GEAROOT

IBÉRICA

# ROOTS BLOWER

## GRT

- Φ 50 ~ Φ 350mm
- 0.50 ~ 140m³/min
- 9.8KPa ~ 78.4KPa

## GRT-H

- Φ 50 ~ Φ 350mm
- 0.70 ~ 160m³/min
- 58.8KPa ~ 98.8KPa

## GRT-V

- Φ 50 ~ Φ 350mm
- 0.50 ~ 160m³/min
- -9.8KPa ~ -53.3KPa

## GRT-MJ

- Φ 50 ~ Φ 300mm
- 0.50 ~ 140m³/min
- 9.8KPa ~ 98.8KPa

## GRTR-GRTG

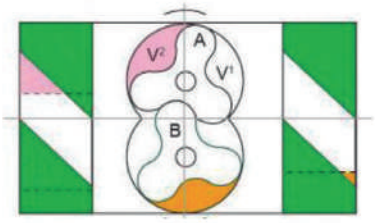
- Φ 250 ~ Φ 500mm
- 120 ~ 420m³/min
- 9.8KPa ~ 98.8KPa

# CONTENTS

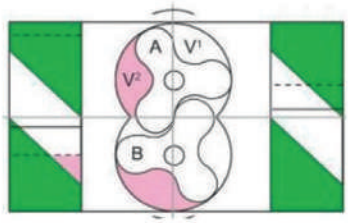
# GRT

## Type GRT blowers operational principle

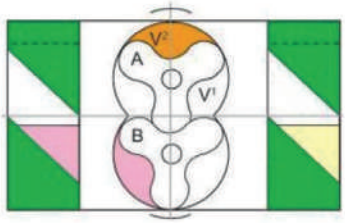
1

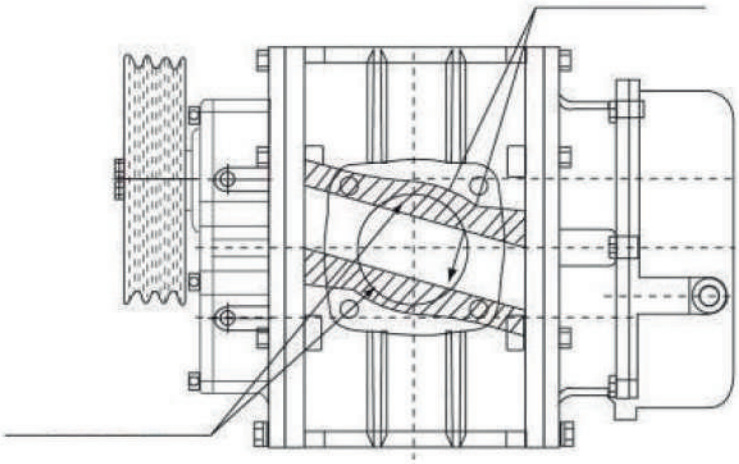



2



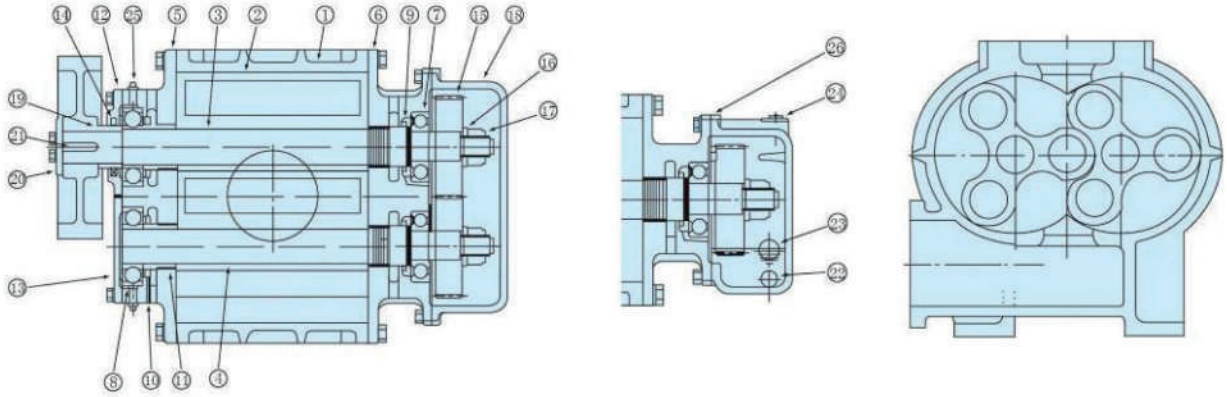

3



# GRT

## Type GRT blowers characteristics and structure



| NO. | | | | NO. | | | | NO. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Casing | HT250 | 1 | 10 | Stop Ring (Drive Side) | | 2 | 19 | Collar | 45 | 1 |
| 2 | Impeller | HT250 | 2 | 11 | Bearing Sleeve | 45 | 2 | 20 | End Plate | HT250 | 1 |
| 3 | Drive Shaft | 45 | 1 | 12 | Bearing Cover (Drive Side) | HT250 | 1 | 21 | Parallel Key | 45 | 1 |
| 4 | Driven Shaft | 45 | 1 | 13 | Bearing Cover (Driven Side) | HT250 | 1 | 22 | Drain Plug | 35 | 1 |
| 5 | Side Cover (Drive Side) | HT250 | 1 | 14 | Z Seal | | 1 | 23 | Oil Gauge | | 1 |
| 6 | Side Cover (Gear Side) | HT250 | 1 | 15 | Gear | 200rMnTi | 2 | 24 | Air Breather | | 1 |
| 7 | Side Cover (Gear Side) | SUJ2 | 2 | 16 | Gear Lock Washer | Q235A | 2 | 25 | Grease Nipple | | 2 |
| 8 | Bearing (Drive Side) | SUJ2 | 2 | 17 | Gear Lock Nut | 35 | 2 | 26 | Gear Case Packing | | 1 |
| 9 | Stop Ring (Gear Side) | | 2 | 18 | Gear Case | HT250 | 1 | | | | |

# GRT

## Type GRT blowers Performance table shows

The performance tables give the model number, bore r.p.m., discharge pressure, air capacity and required power of the blower.

▲The air capacity in the tables is indicated in the standard suction state The standard suction state herein mentioned is defined as the condition at 20℃ temperature, 1.0332kgf/cm² (101.3kPa) absolute pressure and 65% relative humidity.

▲The reference air capacity (0℃ temperature and 1.0332kgf/cm² (101.3kPa) absolute pressure) is generally indicated in Nm³/min However, it may be converted into the standard air capacity by the following equation. if the suction pressure is equal

Qs=QN x 1.0332

where,Qs:standard air capacity;and

QN:reference air capacity.

▲The discharge air capacity can be converted into the standard air capacity by the following equation.

$$Q_s = Q_d \times \frac{1.0332 + P_d}{1.0332} \times \frac{273 + t_s}{273 + t_d}$$

where,Qd: discharge air capecity, in m³/min;

Pd: discharge pressure.in kgf/m²;

ts: suction temperature.in ℃ ;

td: discharge temperature.in ℃.

▲According to the air capacity and discharge pressure as calculated above, the model number, bore, r.p.m.and required power can be found in the performance table.

▲The motor powers are indicated by color marking, and the motor powers to be used should be that indicated

▲The choice is overlapped depending upon the type of blower For reference, however, selection should be lower number blowers for the economy and higher number blowers for the sound level

# SI

| | Pa | Bar | Kgf/cm² | Atm | MmH₂0 | MmHg (Torr) |
|---|---|---|---|---|---|---|
| Pressure | 1 | $1x10^5$ | $1.019\,72 x10^5$ | $9.869\,23 x10^{-6}$ | $1.019\,72 x10^{-1}$ | $7.500\,62 x10^3$ |
| | $1x10^5$ | 1 | 1.019 72 | $9.869\,23 x 10^{-1}$ | $1.019\,72 x 10^4$ | $7.500\,62 x 10^2$ |
| | $9806\,65 x 10^4$ | $9806\,65 x 10^{-4}$ | 1 | $9.678\,41 x 10^{-1}$ | $1 x 10^4$ | $7.355\,59 x 10^2$ |
| | $1.013\,25 x 10^5$ | 1.013 25 | 1.033 23 | 1 | $1.033\,23 x 10^4$ | $7.600\,00 x 10^2$ |
| | $9\,806\,65$ | $9.806\,65 x 10^{-5}$ | $1 x 10^{-4}$ | $9.678\,41 x 10^{-5}$ | 1 | $7.355\,59 x 10^2$ |
| | $1.333\,22 x 10^2$ | $1.333\,22 x 10^{-3}$ | $1.359\,51 x 10^{-3}$ | $1.315\,19 x 10^{-3}$ | 1.359 51 x 10 | 1 |

# GRT-T

**GRT-T series Methane pressurization**

## GRT

Φ40–Φ500mm

0.35–420m³/min

5.0KPa–98.8KPa

**Methane gas pressure blower**

Our gas blower is made through market research and the demostration of our technology sector according to the gas transportation and other special features, which is a special blower based on the development of the roots blower. The features of this blower are good seal, flow stability, low noise, small size, high efficiency, smooth operation. The material inside the blower is special anticorrosion in order to offset sulfur corrosion, and the material of packing seals is imported from Germany in order to achieve perfect sealing effect. After launching the products in the markets recent years, our products are praised and recognized by our customers.

# GRT-40

## Type GRT-40 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | 9.8 | 0.55 | 0.30 | Y80M2-4 | 0.75 |
| | 14.7 | 0.51 | 0.35 | Y80M2-4 | 0.75 |
| | 19.6 | 0.50 | 0.42 | Y80M2-4 | 0.75 |
| | 24.5 | 0.46 | 0.49 | Y90S-4 | 1.1 |
| | 29.4 | 0.45 | 0.57 | Y90S-4 | 1.1 |
| | 34.3 | 0.42 | 0.65 | Y90S-4 | 1.1 |
| | 39.2 | 0.40 | 0.74 | Y90S-4 | 1.1 |
| | 44.1 | 0.37 | 0.85 | Y90L-4 | 1.5 |
| | 49 | 0.33 | 0.96 | Y90L-4 | 1.5 |
| | 53.9 | 0.31 | 1.08 | Y90L-4 | 1.5 |
| | 58.8 | 0.29 | 1.21 | Y90L-4 | 1.5 |
| 1230 | 9.8 | 0.66 | 0.40 | Y80M2-4 | 0.75 |
| | 14.7 | 0.61 | 0.45 | Y80M2-4 | 0.75 |
| | 19.6 | 0.59 | 0.52 | Y90S-4 | 1.1 |
| | 24.5 | 0.55 | 0.61 | Y90S-4 | 1.1 |
| | 29.4 | 0.52 | 0.72 | Y90S-4 | 1.1 |
| | 34.3 | 0.50 | 0.85 | Y90L-4 | 1.5 |
| | 39.2 | 0.48 | 0.97 | Y90L-4 | 1.5 |
| | 44.1 | 0.45 | 1.09 | Y90L-4 | 1.5 |
| | 49 | 0.43 | 1.21 | Y90L-4 | 1.5 |
| | 53.9 | 0.41 | 1.33 | Y100L1-4 | 2.2 |
| | 58.8 | 0.38 | 1.53 | Y100L1-4 | 2.2 |
| 1350 | 9.8 | 0.73 | 0.42 | Y80M2-4 | 0.75 |
| | 14.7 | 0.70 | 0.48 | Y90S-4 | 1.1 |
| | 19.6 | 0.67 | 0.59 | Y90S-4 | 1.1 |
| | 24.5 | 0.63 | 0.71 | Y90S-4 | 1.1 |
| | 29.4 | 0.62 | 0.83 | Y90L-4 | 1.5 |
| | 34.3 | 0.60 | 0.95 | Y90L-4 | 1.5 |
| | 39.2 | 0.56 | 1.07 | Y90L-4 | 1.5 |
| | 44.1 | 0.54 | 1.18 | Y90L-4 | 1.5 |
| | 49 | 0.51 | 1.31 | Y100L1-4 | 2.2 |
| | 53.9 | 0.49 | 1.45 | Y100L1-4 | 2.2 |
| | 58.8 | 0.46 | 1.63 | Y100L1-4 | 2.2 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1430 | 9.8 | 0.81 | 0.48 | Y90S-4 | 1.1 |
| | 14.7 | 075 | 0.54 | Y90S-4 | 1.1 |
| | 19.6 | 0.72 | 0.65 | Y90S-4 | 1.1 |
| | 24.5 | 0.70 | 0.76 | Y90S-4 | 1.1 |
| | 29.4 | 0.67 | 0.87 | Y90L-4 | 1.5 |
| | 34.3 | 0.65 | 1.02 | Y90L-4 | 1.5 |
| | 39.2 | 0.59 | 1.15 | Y90L-4 | 1.5 |
| | 44.1 | 0.58 | 1.34 | Y100L-4 | 2.2 |
| | 49 | 0.56 | 1.52 | Y100L1-4 | 2.2 |
| | 53.9 | 0.54 | 1.64 | Y100L1-4 | 2.2 |
| | 58.8 | 0.53 | 1.80 | Y100L1-4 | 2.2 |
| 1530 | 9.8 | 0.86 | 0.55 | Y90S-4 | 1.1 |
| | 14.7 | 0.82 | 0.63 | Y90S-4 | 1.1 |
| | 19.6 | 0.80 | 0.84 | Y90S-4 | 1.1 |
| | 24.5 | 0.75 | 0.92 | Y90L-4 | 1.5 |
| | 29.4 | 0.73 | 1.03 | Y90L-4 | 1.5 |
| | 34.3 | 0.72 | 1.14 | Y90L-4 | 1.5 |
| | 39.2 | 0.68 | 1.26 | Y90L-4 | 1.5 |
| | 44.1 | 0.65 | 1.38 | Y100L1-4 | 2.2 |
| | 49 | 0.64 | 1.50 | Y100L1-4 | 2.2 |
| | 53.9 | 0.63 | 1.61 | Y100L1-4 | 2.2 |
| | 58.8 | 0.62 | 1.73 | Y100L1-4 | 2.2 |
| 1640 | 9.8 | 0.95 | 0.64 | Y90S-4 | 1.1 |
| | 14.7 | 0.90 | 0.71 | Y90S-4 | 1.1 |
| | 19.6 | 0.87 | 0.83 | Y90S-4 | 1.1 |
| | 24.5 | 0.85 | 0.96 | Y90L-4 | 1.5 |
| | 29.1 | 0.82 | 1.08 | Y90L-4 | 1.5 |
| | 34.3 | 0.81 | 1.19 | Y90L-4 | 1.5 |
| | 39.2 | 0.78 | 1.31 | Y100L1-4 | 2.2 |
| | 44.1 | 0.76 | 1.44 | Y100L1-4 | 2.2 |
| | 49 | 0.74 | 1.61 | Y100L1-4 | 2.2 |
| | 53.9 | 0.72 | 1.73 | Y100L1-4 | 2.2 |
| | 58.8 | 0.70 | 1.89 | Y100L1-4 | 2.2 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

GEAROOT
IBÉRICA

# GRT-50

## Type GRT-50 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | 9.8 | 1.22 | 0.30 | Y80M2-4 | 0.75 |
| | 14.7 | 1.14 | 0.44 | Y80M2-4 | 0.75 |
| | 19.6 | 1.11 | 0.53 | Y80M2-4 | 0.75 |
| | 24.5 | 1.03 | 0.67 | Y90S-4 | 1.1 |
| | 29.4 | 0.98 | 0.80 | Y90S-4 | 1.1 |
| | 34.3 | 0.92 | 0.93 | Y90S-4 | 1.1 |
| | 39.2 | 0.89 | 1.07 | Y90L-4 | 1.5 |
| | 44.1 | 0.83 | 1.20 | Y90L-4 | 1.5 |
| | 49 | 0.75 | 1.34 | Y100L1-4 | 2.2 |
| | 53.9 | 0.70 | 1.54 | Y100L1-4 | 2.2 |
| | 58.8 | 0.65 | 1.77 | Y100L1-4 | 2.2 |
| | 63.7 | 0.61 | 2.01 | Y100L2-4 | 3 |
| | 68.6 | 0.56 | 2.25 | Y100L2-4 | 3 |
| | 73.5 | 0.52 | 2.49 | Y100L2-4 | 3 |
| | 78.4 | 0.49 | 2.73 | Y112M-4 | 4 |
| 1200 | 9.8 | 1.40 | 0.39 | Y80M2-4 | 0.75 |
| | 14.7 | 1.30 | 0.50 | Y80M2-4 | 0.75 |
| | 19.6 | 1.26 | 0.61 | Y80M2-4 | 0.75 |
| | 24.5 | 1.18 | 0.79 | Y90S-4 | 1.1 |
| | 29.4 | 1.12 | 0.95 | Y90S-4 | 1.1 |
| | 34.3 | 1.07 | 1.05 | Y90L-4 | 1.5 |
| | 39.2 | 1.03 | 1.23 | Y90SL-4 | 1.5 |
| | 44.1 | 0.98 | 1.37 | Y100L1-4 | 2.2 |
| | 49 | 0.92 | 1.47 | Y100L1-4 | 2.2 |
| | 53.9 | 0.88 | 1.65 | Y100L1-4 | 2.2 |
| | 58.8 | 0.83 | 1.83 | Y100L1-4 | 2.2 |
| | 63.7 | 0.78 | 2.05 | Y100L2-4 | 3 |
| | 68.6 | 0.73 | 2.24 | Y100L2-4 | 3 |
| | 73.5 | 0.69 | 2.49 | Y100L2-4 | 3 |
| | 78.4 | 0.65 | 2.76 | Y112M-4 | 4 |
| | 83.3 | 0.61 | 3.37 | Y112M-4 | 4 |
| | 88.2 | 0.56 | 3.95 | Y132S-4 | 5.5 |
| | 93.1 | 0.50 | 4.17 | Y132S-4 | 5.5 |
| | 98 | 0.45 | 4.40 | Y132S-4 | 5.5 |
| 1350 | 9.8 | 1.53 | 0.44 | Y80M2-4 | 0.75 |
| | 14.7 | 1.45 | 0.61 | Y80M2-4 | 0.75 |
| | 19.6 | 1.41 | 0.75 | Y90S-4 | 1.1 |
| | 24.5 | 1.32 | 0.85 | Y90S-4 | 1.1 |
| | 29.4 | 1.29 | 1.05 | Y90L-4 | 1.5 |
| | 34.3 | 1.25 | 1.17 | Y90L-4 | 1.5 |
| | 39.2 | 1.18 | 1.35 | Y100L1-4 | 2.2 |
| | 44.1 | 1.15 | 1.53 | Y100L1-4 | 2.2 |
| | 49 | 1.06 | 1.64 | Y100L1-4 | 2.2 |
| | 53.9 | 1.03 | 1.80 | Y100L1-4 | 2.2 |
| | 58.8 | 0.99 | 2.01 | Y100L2-4 | 3 |
| | 63.7 | 0.95 | 2.23 | Y100L2-4 | 3 |
| | 68.6 | 0.90 | 2.48 | Y100L2-4 | 3 |
| | 73.5 | 0.86 | 2.76 | Y112M-4 | 4 |
| | 78.4 | 0.81 | 3.06 | Y112M-4 | 4 |
| | 83.3 | 0.78 | 3.40 | Y112M-4 | 4 |
| | 88.2 | 0.69 | 4.01 | Y132S-4 | 5.5 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1350 | 93.1 | 0.65 | 4.32 | Y132S-4 | 5.5 |
| | 98.0 | 0.61 | 4.65 | Y132S-4 | 5.5 |
| 1430 | 9.8 | 1.66 | 0.50 | Y80M2-4 | 0.75 |
| | 14.7 | 1.55 | 0.64 | Y80M2-4 | 0.75 |
| | 19.6 | 1.50 | 0.84 | Y90S-4 | 1.1 |
| | 24.5 | 1.43 | 0.96 | Y90S-4 | 1.1 |
| | 29.4 | 1.38 | 1.14 | Y90L-4 | 1.5 |
| | 34.3 | 1.34 | 1.30 | Y90L-4 | 1.5 |
| | 39.2 | 1.22 | 1.43 | Y100L1-4 | 2.2 |
| | 44.1 | 1.22 | 1.63 | Y100L1-4 | 2.2 |
| | 49 | 1.17 | 1.76 | Y100L1-4 | 2.2 |
| | 45.9 | 1.12 | 1.91 | Y100L1-4 | 2.2 |
| | 58.8 | 1.09 | 2.11 | Y100L2-4 | 3 |
| | 63.7 | 1.06 | 2.35 | Y100L2-4 | 3 |
| | 68.6 | 1.01 | 2.61 | Y112M-4 | 4 |
| | 73.5 | 0.97 | 2.90 | Y112M-4 | 4 |
| | 78.4 | 0.93 | 3.23 | Y112M-4 | 4 |
| | 83.3 | 0.90 | 3.68 | Y132S-4 | 5.5 |
| | 88.2 | 0.87 | 4.05 | Y132S-4 | 5.5 |
| | 93.1 | 0.81 | 4.48 | Y132S-4 | 5.5 |
| | 98.0 | 0.72 | 4.81 | Y132M-4 | 7.5 |
| 1530 | 9.8 | 1.74 | 0.55 | Y80M2-4 | 0.75 |
| | 14.7 | 1.66 | 0.75 | Y90S-4 | 1.1 |
| | 19.6 | 1.61 | 0.91 | Y90S-4 | 1.1 |
| | 24.5 | 1.53 | 1.07 | Y90L-4 | 1.5 |
| | 29.4 | 1.50 | 1.35 | Y100L1-4 | 2.2 |
| | 34.3 | 1.45 | 1.41 | Y100L1-4 | 2.2 |
| | 39.2 | 1.39 | 1.68 | Y100L1-4 | 2.2 |
| | 44.1 | 1.33 | 1.74 | Y100L1-4 | 2.2 |
| | 49 | 1.31 | 2.05 | Y100L2-4 | 3 |
| | 53.9 | 1.28 | 2.12 | Y100L2-4 | 3 |
| | 58.8 | 1.25 | 2.35 | Y100L2-4 | 3 |
| | 63.7 | 1.22 | 2.55 | Y112M-4 | 4 |
| | 68.6 | 1.19 | 2.83 | Y112M-4 | 4 |
| | 73.5 | 1.16 | 3.18 | Y112M-4 | 4 |
| | 78.4 | 1.13 | 3.57 | Y132S-4 | 5.5 |
| | 83.3 | 1.08 | 3.88 | Y132S-4 | 5.5 |
| | 88.2 | 0.96 | 4.20 | Y132S-4 | 5.5 |
| | 93.1 | 0.90 | 4.61 | Y132S-4 | 5.5 |
| | 98.0 | 0.85 | 5.10 | Y132M-4 | 1.5 |
| 1640 | 9.8 | 1.89 | 0.64 | Y90S-4 | 1.1 |
| | 14.7 | 1.79 | 0.81 | Y90S-4 | 1.1 |
| | 19.6 | 1.74 | 1.02 | Y90L-4 | 1.5 |
| | 24.5 | 1.71 | 1.15 | Y90L-4 | 1.5 |
| | 29.4 | 1.65 | 1.46 | Y100L1-4 | 2.2 |
| | 34.3 | 1.61 | 1.54 | Y100L1-4 | 2.2 |
| | 39.2 | 1.56 | 1.82 | Y100L1-4 | 2.2 |
| | 44.1 | 1.52 | 1.88 | Y100L1-4 | 2.2 |
| | 49 | 1.48 | 2.23 | Y100L2-4 | 3 |
| | 53.9 | 1.43 | 2.28 | Y100L2-4 | 3 |
| | 58.8 | 1.40 | 2.60 | Y100L2-4 | 3 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-50

## Type GRT-50 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1640 | 63.7 | 1.38 | 2.75 | Y112M-4 | 4 |
| | 68.6 | 1.35 | 3.16 | Y112M-4 | 4 |
| | 73.5 | 1.32 | 3.32 | Y112M-4 | 4 |
| | 78.4 | 1.29 | 3.89 | Y132S-4 | 5.5 |
| | 83.3 | 1.24 | 4.27 | Y132S-4 | 5.5 |
| | 88.2 | 1.18 | 4.43 | Y132S-4 | 5.5 |
| | 93.4 | 1.13 | 4.80 | Y132S-4 | 5.5 |
| | 98.0 | 1.06 | 5.20 | Y132M-4 | 7.5 |
| 1730 | 9.8 | 2.00 | 0.72 | Y90S-4 | 1.1 |
| | 14.7 | 1.91 | 0.95 | Y90L-4 | 1.5 |
| | 19.6 | 1.86 | 1.14 | Y90L-4 | 1.5 |
| | 24.5 | 1.82 | 1.25 | Y100L1-4 | 2.2 |
| | 29.4 | 1.78 | 1.55 | Y100L1-4 | 2.2 |
| | 34.3 | 1.73 | 1.68 | Y100L1-4 | 2.2 |
| | 39.2 | 1.68 | 1.97 | Y100L2-4 | 3 |
| | 44.1 | 1.64 | 2.03 | Y100L2-4 | 3 |
| | 49 | 1.60 | 2.35 | Y100L2-4 | 3 |
| | 53.9 | 1.57 | 2.47 | Y100L2-4 | 3 |
| | 58.8 | 1.53 | 2.73 | Y112M-4 | 4 |
| | 63.7 | 1.50 | 2.93 | Y112M-4 | 4 |
| | 68.6 | 1.46 | 3.25 | Y112M-4 | 4 |
| | 73.5 | 1.42 | 3.54 | Y132S-4 | 5.5 |
| | 78.4 | 1.39 | 3.91 | Y132S-4 | 5.5 |
| | 83.3 | 1.31 | 4.38 | Y132S-4 | 5.5 |
| | 88.2 | 1.26 | 4.70 | Y132S-4 | 5.5 |
| | 93.1 | 1.22 | 5.12 | Y132M-4 | 7.5 |
| | 98.0 | 1.14 | 3.50 | Y132M-4 | 7.5 |
| 1840 | 9.8 | 2.13 | 0.80 | Y90L-4 | 1.5 |
| | 14.7 | 1.09 | 1.03 | Y90L-4 | 1.5 |
| | 19.6 | 2.05 | 1.23 | Y90L-4 | 1.5 |
| | 24.5 | 1.99 | 1.39 | Y100L1-4 | 2.2 |
| | 29.4 | 1.93 | 1.68 | Y100L1-4 | 2.2 |
| | 34.3 | 1.87 | 1.79 | Y100L1-4 | 2.2 |
| | 39.2 | 1.82 | 2.10 | Y100L2-4 | 3 |
| | 44.5 | 1.78 | 2.25 | Y100L2-4 | 3 |
| | 49 | 1.75 | 2.56 | Y100L2-4 | 3 |
| | 53.9 | 1.72 | 2.65 | Y100L2-4 | 3 |
| | 38.8 | 1.68 | 2.94 | Y100L2-4 | 4 |
| | 63.7 | 1.65 | 3.15 | Y100L2-4 | 4 |
| | 68.6 | 1.60 | 3.35 | Y100L2-4 | 4 |
| | 73.5 | 1.56 | 3.64 | Y132S-4 | 5.5 |
| | 78.4 | 1.51 | 3.96 | Y132S-4 | 5.5 |
| | 83.3 | 1.46 | 4.43 | Y132S-4 | 5.5 |
| | 88.2 | 1.40 | 4.92 | Y132M-4 | 7.5 |
| | 93.1 | 1.35 | 5.30 | Y132M-4 | 7.5 |
| | 98.0 | 1.28 | 5.70 | Y132M-4 | 7.5 |
| 1950 | 9.8 | 1.33 | 0.89 | Y90S-4 | 1.1 |
| | 14.7 | 2.27 | 1.14 | Y90L-4 | 1.5 |
| | 19.6 | 2.21 | 1.35 | Y100L1-4 | 2.2 |
| | 24.5 | 2.15 | 1.51 | Y100L1-4 | 2.2 |
| | 29.4 | 2.10 | 1.83 | Y100L1-4 | 2.2 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1950 | 34.3 | 2.04 | 1.94 | Y100L2-4 | 3 |
| | 39.2 | 1.96 | 2.27 | Y100L2-4 | 3 |
| | 44.1 | 1.93 | 2.41 | Y100L2-4 | 3 |
| | 49 | 1.90 | 2.71 | Y112M-4 | 4 |
| | 53.9 | 1.86 | 2.81 | Y112M-4 | 4 |
| | 58.8 | 1.82 | 3.15 | Y112M-4 | 4 |
| | 63.7 | 1.78 | 3.42 | Y112M-4 | 4 |
| | 68.6 | 1.75 | 3.65 | Y132S-4 | 5.5 |
| | 73.5 | 1.71 | 3.97 | Y132S-4 | 5.5 |
| | 78.4 | 1.68 | 4.31 | Y132S-4 | 5.5 |
| | 83.3 | 1.62 | 4.60 | Y132S-4 | 5.5 |
| | 88.2 | 1.57 | 5.10 | Y132M-4 | 7.5 |
| | 93.1 | 1.50 | 5.53 | Y132M-4 | 7.5 |
| | 98.0 | 1.45 | 5.92 | Y132M-4 | 7.5 |
| 2120 | 9.8 | 2.58 | 1.06 | Y90L-4 | 1.5 |
| | 14.7 | 2.52 | 1.28 | Y90L-4 | 1.5 |
| | 19.6 | 2.46 | 1.50 | Y100L1-4 | 2.2 |
| | 24.5 | 2.39 | 1.73 | Y100L1-4 | 2.2 |
| | 29.4 | 2.32 | 2.05 | Y100L2-4 | 3 |
| | 34.3 | 2.26 | 2.17 | Y100L2-4 | 3 |
| | 39.2 | 2.20 | 2.53 | Y100L2-4 | 4 |
| | 44.1 | 2.18 | 2.68 | Y112M-4 | 4 |
| | 49 | 2.15 | 3.05 | Y112M-4 | 4 |
| | 53.9 | 2.11 | 3.15 | Y112M-4 | 4 |
| | 58.8 | 2.07 | 3.54 | Y132S-4 | 5.5 |
| | 63.7 | 2.02 | 3.77 | Y132S-4 | 5.5 |
| | 68.6 | 1.98 | 3.97 | Y132S-4 | 5.5 |
| | 73.5 | 1.95 | 4.21 | Y132S-4 | 5.5 |
| | 78.4 | 1.91 | 4.53 | Y132S-4 | 5.5 |
| | 83.3 | 1.83 | 4.80 | Y132S-4 | 5.5 |
| | 88.2 | 1.75 | 5.30 | Y132M-4 | 7.5 |
| | 93.1 | 1.70 | 5.75 | Y132M-4 | 7.5 |
| | 98.0 | 1.63 | 6.12 | Y132M-4 | 7.5 |
| 2800 | 9.8 | 2.75 | 1.13 | Y90L-4 | 1.5 |
| | 14.7 | 2.71 | 1.38 | Y100L1-4 | 2.2 |
| | 19.6 | 2.67 | 1.68 | Y100L1-4 | 2.2 |
| | 24.5 | 2.62 | 1.87 | Y100L1-4 | 2.2 |
| | 29.4 | 2.58 | 2.31 | Y100L2-4 | 3 |
| | 34.3 | 2.53 | 2.35 | Y100L2-4 | 3 |
| | 39.2 | 2.48 | 2.85 | Y112M-4 | 4 |
| | 44.1 | 2.43 | 2.90 | Y112M-4 | 4 |
| | 49 | 2.40 | 3.33 | Y112M-4 | 4 |
| | 53.9 | 2.38 | 3.41 | Y112M-4 | 4 |
| | 58.8 | 2.35 | 3.83 | Y132S-4 | 5.5 |
| | 63.7 | 2.31 | 4.43 | Y132S-4 | 5.5 |
| | 68.6 | 2.21 | 4.35 | Y132S-4 | 5.5 |
| | 73.5 | 2.20 | 4.57 | Y132S-4 | 5.5 |
| | 78.4 | 2.17 | 4.81 | Y132M-4 | 7.5 |
| | 83.3 | 2.12 | 5.20 | Y132M-4 | 7.5 |
| | 88.2 | 2.07 | 5.50 | Y132M-4 | 7.5 |
| | 93.1 | 2.03 | 6.01 | Y132M-4 | 7.5 |
| | 98.0 | 1.98 | 6.32 | Y132M-4 | 7.5 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-65

## Type GRT-65 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | 9.8 | 1.68 | 0.39 | Y80M2-4 | 0.75 |
| | 14.7 | 1.55 | 0.63 | Y90S-4 | 1.1 |
| | 19.6 | 1.50 | 0.82 | Y90S-4 | 1.1 |
| | 24.5 | 1.42 | 1.02 | Y90L-4 | 1.5 |
| | 29.4 | 1.34 | 1.18 | Y90L-4 | 1.5 |
| | 34.3 | 1.23 | 1.37 | Y100L1-4 | 2.2 |
| | 39.2 | 1.15 | 1.55 | Y100L1-4 | 2.2 |
| | 44.1 | 1.10 | 1.74 | Y100L1-4 | 2.2 |
| | 49 | 1.05 | 1.93 | Y100L2-4 | 3 |
| | 53.9 | 0.99 | 2.12 | Y100L2-4 | 3 |
| | 58.8 | 0.94 | 2.32 | Y100L2-4 | 3 |
| | 63.7 | 0.89 | 2.52 | Y100L2-4 | 3 |
| | 68.6 | 0.85 | 2.86 | Y112M-4 | 4 |
| | 73.5 | 0.80 | 3.22 | Y112M-4 | 4 |
| | 78.4 | 0.76 | 3.58 | Y132S-4 | 5.5 |
| 1240 | 9.8 | 1.94 | 0.48 | Y80M2-4 | 0.75 |
| | 14.7 | 1.84 | 0.72 | Y90S-4 | 1.1 |
| | 19.6 | 1.75 | 0.91 | Y90L-4 | 1.5 |
| | 24.5 | 1.63 | 1.14 | Y90L-4 | 1.5 |
| | 29.4 | 1.55 | 1.35 | Y100L1-4 | 2.2 |
| | 34.3 | 1.50 | 1.55 | Y100L1-4 | 2.2 |
| | 39.2 | 1.45 | 1.76 | Y100L1-4 | 2.2 |
| | 44.1 | 1.35 | 1.94 | Y100L2-4 | 3 |
| | 49 | 1.31 | 2.12 | Y100L2-4 | 3 |
| | 53.9 | 1.25 | 2.40 | Y100L2-4 | 3 |
| | 58.8 | 1.19 | 2.61 | Y100L2-4 | 3 |
| | 63.7 | 1.18 | 2.89 | Y112M-4 | 4 |
| | 68.6 | 1.08 | 3.17 | Y112M-4 | 4 |
| | 73.5 | 1.03 | 3.49 | Y112M-4 | 4 |
| | 78.4 | 0.98 | 3.84 | Y132S-4 | 5.5 |
| | 83.3 | 0.93 | 4.2 | Y132S-4 | 5.5 |
| | 88.2 | 0.88 | 1.56 | Y132S-4 | 5.5 |
| | 93.1 | 0.83 | 4.92 | Y132 M-4 | 7.5 |
| | 98 | 0.78 | 5.28 | Y132M-4 | 7.5 |
| 1360 | 9.8 | 2.16 | 0.56 | Y90S-4 | 1.1 |
| | 14.7 | 2.08 | 0.83 | Y 90S-4 | 1.1 |
| | 19.6 | 1.95 | 1.06 | Y90L-4 | 1.5 |
| | 24.5 | 1.87 | 1.26 | Y90L-4 | 1.1 |
| | 29.4 | 1.81 | 1.50 | Y100L1-4 | 2.2 |
| | 34.3 | 1.75 | 1.73 | Y100L1-4 | 2.2 |
| | 39.2 | 1.68 | 1.96 | Y100L2-4 | 3 |
| | 44.1 | 1.62 | 2.20 | Y100L2-4 | 3 |
| | 49 | 1.56 | 2.33 | Y100L2-4 | 3 |
| | 53.9 | 1.51 | 2.63 | Y112M-4 | 4 |
| | 58.8 | 1.45 | 2.87 | T112M-4 | 4 |
| | 63.7 | 1.30 | 3,08 | Y112M-4 | 4 |
| | 68.6 | 1.34 | 3.42 | Y112M-4 | 4 |
| | 73.5 | 1.28 | 3.76 | Y132S-4 | 5.5 |
| | 78.4 | 1.23 | 4.13 | Y132S-4 | 5.5 |
| | 83.3 | 1.17 | 4.40 | Y132S-4 | 5.5 |
| | 88.2 | 1.12 | 4.75 | Y132S-4 | 5.5 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1360 | 93.1 | 1.06 | 5.11 | Y132M-4 | 7.5 |
| | 98.0 | 1.01 | 5.47 | Y132M-4 | 7.5 |
| 1440 | 9.8 | 2.31 | 0.63 | Y90S-4 | 1.1 |
| | 14.7 | 2.21 | 0.85 | Y90S-4 | 1.1 |
| | 19.6 | 2.16 | 1.14 | Y90L-4 | 1.5 |
| | 24.5 | 2.08 | 1.36 | Y100L1-4 | 2.2 |
| | 29.4 | 2.01 | 1.62 | Y100L1-4 | 2.2 |
| | 34.3 | 1.94 | 1.83 | Y100L1-4 | 2.2 |
| | 39.2 | 1.88 | 2.12 | Y100L2-4 | 3 |
| | 44.1 | 1.82 | 2.34 | Y100L2-4 | 3 |
| | 49 | 1.76 | 2.56 | Y100L2-4 | 3 |
| | 45.9 | 1.70 | 2.78 | Y112M-4 | 4 |
| | 58.8 | 1.65 | 3.03 | Y112M-4 | 4 |
| | 63.7 | 1.60 | 3.35 | Y112M-4 | 4 |
| | 68.6 | 1.55 | 3.68 | Y132S-4 | 5.5 |
| | 73.5 | 1.51 | 4.05 | Y132S-4 | 5.5 |
| | 78.4 | 1.46 | 4.45 | Y132S-4 | 5.5 |
| | 83.3 | 1.41 | 4.85 | Y132M-4 | 7.5 |
| | 88.2 | 1.35 | 5.20 | Y132M-4 | 7.5 |
| | 93.1 | 1.29 | 5.56 | Y132M-4 | 7.5 |
| | 98.0 | 1.23 | 5.92 | Y132M-4 | 7.5 |
| 1530 | 9.8 | 1.44 | 0.70 | Y90S-4 | 1.1 |
| | 14.7 | 1.35 | 0.98 | Y90L-4 | 1.5 |
| | 19.6 | 2.28 | 1.22 | Y90L-4 | 1.5 |
| | 24.5 | 2.23 | 1.47 | Y100L1-4 | 2.2 |
| | 29.4 | 2.15 | 1.70 | Y100L1-4 | 2.2 |
| | 34.3 | 2.09 | 1.95 | Y100L2-4 | 3 |
| | 39.2 | 2.04 | 2.27 | Y100L2-4 | 3 |
| | 44.1 | 1.97 | 2.52 | Y100L2-4 | 3 |
| | 49 | 1.92 | 2.74 | Y112M-4 | 4 |
| | 53.9 | 1.86 | 3.96 | Y112M-4 | 4 |
| | 58.8 | 1.80 | 3.22 | Y112M-4 | 4 |
| | 63.7 | 1.74 | 3.50 | Y132S-4 | 5.5 |
| | 68.6 | 1.69 | 3.80 | Y132S-4 | 5.5 |
| | 73.5 | 1.64 | 4.14 | Y132S-4 | 5.5 |
| | 78.4 | 1.59 | 4.49 | Y132S-4 | 5.5 |
| | 83.3 | 1.53 | 5.10 | Y132M-4 | 75 |
| | 88.2 | 1.48 | 5.40 | Y132M-4 | 7.5 |
| | 93.1 | 1.92 | 5.71 | Y132M-4 | 7.5 |
| | 98.0 | 1.37 | 6.05 | Y132M-4 | 7.5 |
| 1640 | 9.8 | 2.66 | 0.80 | Y90S-4 | 1.1 |
| | 14.7 | 2.59 | 1.05 | Y90L-4 | 1.5 |
| | 19.6 | 2.51 | 1.35 | Y100L1-4 | 2.2 |
| | 24.5 | 2.44 | 1.62 | Y100L1-4 | 2.2 |
| | 29.4 | 2.38 | 1.85 | Y100L1-4 | 2.2 |
| | 34.3 | 2.32 | 2.15 | Y100L2-4 | 3 |
| | 39.2 | 3.26 | 2.48 | Y100L2-4 | 3 |
| | 44.1 | 2.20 | 2.75 | Y112M-4 | 4 |
| | 49 | 2.14 | 2.93 | Y112M-4 | 4 |
| | 53.9 | 2.03 | 3.24 | Y112M-4 | 4 |
| | 58.8 | 2.03 | 3.46 | Y112M-4 | 4 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-65

## Type GRT-65 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1640 | 63.7 | 1.98 | 3.74 | Y132S-4 | 5.5 |
| | 68.6 | 1.92 | 4.06 | Y132S-4 | 5.5 |
| | 73.5 | 1.86 | 4.42 | Y132S-4 | 5.5 |
| | 78.4 | 1.81 | 4.80 | Y132S-4 | 5.5 |
| | 83.3 | 1.75 | 5.25 | Y132M-4 | 7.5 |
| | 88.2 | 1.70 | 5.40 | Y132M-4 | 7.5 |
| | 93.4 | 1.65 | 5.78 | Y132M-4 | 7.5 |
| | 98.0 | 1.60 | 6.10 | Y132M-4 | 7.5 |
| 1730 | 9.8 | 2.88 | 0.89 | Y90L-4 | 1.5 |
| | 14.7 | 2.78 | 1.20 | Y90L-4 | 1.5 |
| | 19.6 | 2.71 | 1.45 | Y100L1-4 | 2.2 |
| | 24.5 | 2.64 | 1.76 | Y100L1-4 | 2.2 |
| | 29.4 | 2.58 | 2.02 | Y100L2-4 | 3 |
| | 34.3 | 2.53 | 2.32 | Y100L2-4 | 3 |
| | 39.2 | 2.48 | 2.66 | Y112LM-4 | 4 |
| | 44.1 | 2.41 | 2.96 | Y112LM-4 | 4 |
| | 49 | 2.34 | 3.18 | Y112LM-4 | 4 |
| | 53.9 | 2.28 | 3.47 | Y112LM-4 | 4 |
| | 58.8 | 2.23 | 3.72 | Y132S-4 | 5.5 |
| | 63.7 | 2.18 | 4.13 | Y132S-4 | 5.5 |
| | 68.6 | 2.12 | 4.59 | Y132S-4 | 5.5 |
| | 73.5 | 2.06 | 5.05 | Y132M-4 | 7.5 |
| | 78.4 | 2.01 | 5.55 | Y132M-4 | 7.5 |
| | 83.3 | 1.92 | 5.80 | Y132M-4 | 7.5 |
| | 88.2 | 1.84 | 6.10 | Y132M-4 | 7.5 |
| | 93.1 | 1.75 | 6.35 | Y132M-4 | 7.5 |
| | 98.0 | 1.70 | 6.50 | Y132M-4 | 7.5 |
| 1840 | 9.8 | 3.00 | 0.96 | Y90L-4 | 1.5 |
| | 14.7 | 2.93 | 1.25 | Y90L-4 | 1.5 |
| | 19.6 | 2.85 | 1.54 | Y100L1-4 | 2.2 |
| | 24.5 | 2.78 | 1.88 | Y100L1-4 | 2.2 |
| | 29.4 | 2.72 | 2.15 | Y100L2-4 | 3 |
| | 34.3 | 2.68 | 2.44 | Y100L2-4 | 3 |
| | 39.2 | 2.62 | 2.75 | Y112M-4 | 4 |
| | 44.5 | 2.56 | 3.12 | Y112M-4 | 4 |
| | 49 | 2.50 | 3.35 | Y112M-4 | 4 |
| | 53.9 | 2.44 | 3.65 | Y132S-4 | 5.5 |
| | 38.8 | 2.38 | 3.93 | Y132S-4 | 5.5 |
| | 63.7 | 2.34 | 4.36 | Y132S-4 | 5.5 |
| | 68.6 | 2.27 | 4.75 | Y132S-4 | 5.5 |
| | 73.5 | 2.20 | 5.15 | Y132M-4 | 7.5 |
| | 78.4 | 2.13 | 5.74 | Y132M-4 | 7.5 |
| | 83.3 | 2.10 | 6.10 | Y132M-4 | 7.5 |
| | 88.2 | 2.08 | 6.40 | Y132M-4 | 7.5 |
| | 93.1 | 2.03 | 6.63 | Y160M-4 | 1.1 |
| | 98.0 | 2.00 | 6.90 | Y160M-4 | 1.1 |
| 1950 | 9.8 | 3.23 | 1.11 | Y90L-4 | 1.5 |
| | 14.7 | 3.17 | 1.42 | Y100L1-4 | 2.2 |
| | 19.6 | 3.09 | 1.73 | Y100L1-4 | 2.2 |
| | 24.5 | 3.02 | 2.03 | Y100L2-4 | 3 |
| | 29.4 | 2.96 | 2.33 | Y100L2-4 | 3 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1950 | 34.3 | 2.90 | 2.68 | Y112M-4 | 4 |
| | 39.2 | 2.83 | 3.04 | Y112M-4 | 4 |
| | 44.1 | 2.77 | 3.38 | Y112M-4 | 4 |
| | 49 | 2.71 | 3.57 | Y132S-4 | 5.5 |
| | 53.9 | 2.66 | 3.92 | Y132S-4 | 5.5 |
| | 58.8 | 2.61 | 4.22 | Y132S-4 | 5.5 |
| | 63.7 | 2.57 | 4.71 | Y132S-4 | 5.5 |
| | 68.6 | 2.52 | 5.03 | Y132M-4 | 7.5 |
| | 73.5 | 2.47 | 5.59 | Y132M-4 | 7.5 |
| | 78.4 | 2.42 | 6.21 | Y132M-4 | 7.5 |
| | 83.3 | 2.38 | 6.43 | Y132M-4 | 7.5 |
| | 88.2 | 2.31 | 6.60 | Y160M-4 | 1.1 |
| | 93.1 | 2.27 | 7.00 | Y160M-4 | 1.1 |
| | 98.0 | 2.24 | 7.30 | Y160M-4 | 1.1 |
| 2120 | 9.8 | 3.66 | 1.33 | Y100L1-4 | 2.2 |
| | 14.7 | 3.57 | 1.63 | Y100L1-4 | 2.2 |
| | 19.6 | 3.48 | 1.93 | Y100L2-4 | 3 |
| | 24.5 | 3.42 | 2.32 | Y100L2-4 | 3 |
| | 29.4 | 3.35 | 2.67 | Y112M-4 | 4 |
| | 34.3 | 3.30 | 3.03 | Y112M-4 | 4 |
| | 39.2 | 3.25 | 3.38 | Y112M-4 | 4 |
| | 44.1 | 3.17 | 3.74 | Y132S-4 | 5.5 |
| | 49 | 3.11 | 4.02 | Y132S-4 | 5.5 |
| | 53.9 | 3.06 | 4.32 | Y132S-4 | 5.5 |
| | 58.8 | 3.02 | 4.46 | Y132S-4 | 5.5 |
| | 63.7 | 2.96 | 5.22 | Y132M-4 | 7.5 |
| | 68.6 | 2.89 | 5.54 | Y132M-4 | 7.5 |
| | 73.5 | 2.84 | 5.86 | Y132M-4 | 7.5 |
| | 78.4 | 2.78 | 6.30 | Y132M-4 | 7.5 |
| | 83.3 | 2.70 | 6.62 | Y160M-4 | 1.1 |
| | 88.2 | 2.65 | 6.91 | Y160M-4 | 1.1 |
| | 93.1 | 2.60 | 7.20 | Y160M-4 | 1.1 |
| | 98.0 | 2.53 | 7.55 | Y160M-4 | 1.1 |
| 2800 | 9.8 | 3.80 | 1.43 | Y100L1-4 | 2.2 |
| | 14.7 | 3.72 | 1.78 | Y100L2-4 | 3 |
| | 19.6 | 3.64 | 2.14 | Y100L2-4 | 3 |
| | 24.5 | 3.57 | 2.52 | Y100L2-4 | 3 |
| | 29.4 | 3.50 | 2.92 | Y112M-4 | 4 |
| | 34.3 | 3.43 | 3.31 | Y112M-4 | 4 |
| | 39.2 | 3.35 | 3.85 | Y132S-4 | 5.5 |
| | 44.1 | 3.30 | 4.23 | Y132S-4 | 5.5 |
| | 49 | 3.25 | 4.45 | Y132S-4 | 5.5 |
| | 53.9 | 3.20 | 4.92 | Y132M-4 | 7.5 |
| | 58.8 | 3.15 | 5.35 | Y132M-4 | 7.5 |
| | 63.7 | 3.09 | 5.72 | Y132M-4 | 7.5 |
| | 68.6 | 3.05 | 6.14 | Y132M-4 | 7.5 |
| | 73.5 | 3.01 | 6.58 | Y160M-4 | 1.1 |
| | 78.4 | 2.95 | 6.89 | Y160M-4 | 1.1 |
| | 83.3 | 2.88 | 7.10 | Y160M-4 | 1.1 |
| | 88.2 | 2.83 | 6.33 | Y160M-4 | 1.1 |
| | 93.1 | 2.77 | 7.67 | Y160M-4 | 1.1 |
| | 98.0 | 2.70 | 8.08 | Y160M-4 | 1.1 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-80

## Type GRT-80 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1140 | 9.8 | 3.09 | 1.01 | Y100L1-4 | 2.2 |
| | 14.7 | 3.02 | 1.34 | Y100L1-4 | 2.2 |
| | 19.6 | 2.92 | 1.62 | Y100L1-4 | 2.2 |
| | 24.5 | 2.82 | 1.95 | Y100L2-4 | 3 |
| | 29.4 | 2.75 | 2.12 | Y100L2-4 | 3 |
| | 34.3 | 2.68 | 2.45 | Y100L2-4 | 3 |
| | 39.2 | 2.59 | 2.72 | Y112M-4 | 4 |
| | 44.1 | 2.52 | 3.06 | Y112M-4 | 4 |
| | 49 | 2.45 | 3.40 | Y112M-4 | 4 |
| | 53.9 | 2.38 | 3.74 | Y132S-4 | 5.5 |
| | 58.8 | 2.34 | 4.08 | Y132S-4 | 5.5 |
| | 63.7 | 2.27 | 4.42 | Y132S-4 | 5.5 |
| | 68.6 | 2.20 | 4.76 | Y132S-4 | 7.5 |
| | 73.5 | 2.14 | 5.10 | Y132M-4 | 7.5 |
| | 78.4 | 2.07 | 5.44 | Y132M-4 | 7.5 |
| 1230 | 83.3 | 2.01 | 5.78 | Y132M-4 | 7.5 |
| | 88.2 | 1.96 | 6.12 | Y132M-4 | 7.5 |
| | 93.1 | 1.89 | 6.46 | Y132M-4 | 7.5 |
| | 98.0 | 1.82 | 6.80 | Y160M-4 | 1.1 |
| | 9.8 | 3.37 | 1.14 | Y100L1-4 | 2.2 |
| | 14.7 | 3.26 | 1.44 | Y100L1-4 | 2.2 |
| | 19.6 | 3.16 | 1.75 | Y100L1-4 | 2.2 |
| | 24.5 | 3.09 | 2.04 | Y100L2-4 | 3 |
| | 29.4 | 3.04 | 2.33 | Y100L2-4 | 3 |
| | 34.3 | 2.95 | 2.63 | Y112M-4 | 4 |
| | 39.2 | 2.88 | 2.96 | Y112M-4 | 4 |
| | 44.1 | 2.80 | 3.30 | Y112M-4 | 4 |
| | 49 | 2.74 | 3.55 | Y132S-4 | 5.5 |
| | 53.9 | 2.65 | 4.03 | Y132S-4 | 5.5 |
| | 58.8 | 2.60 | 4.40 | Y132S-4 | 5.5 |
| | 63.7 | 2.52 | 4.77 | Y132S-4 | 5.5 |
| | 68.6 | 2.45 | 5.13 | Y132M-4 | 5.5 |
| | 73.5 | 2.37 | 5.50 | Y132 M-4 | 7.5 |
| | 78.4 | 2.30 | 5.87 | Y132M-4 | 7.5 |
| 1300 | 83.3 | 2.25 | 6.23 | Y132M-4 | 7.5 |
| | 88.2 | 2.19 | 6.60 | Y160M-4 | 1.1 |
| | 93.1 | 2.12 | 6.97 | Y160M-4 | 1.1 |
| | 98.0 | 2.06 | 1.33 | Y160M-4 | 1.1 |
| | 9.8 | 3.59 | 1.22 | Y100L1-4 | 2.2 |
| | 14.7 | 3.50 | 1.55 | Y100L1-4 | 2.2 |
| | 19.6 | 3.42 | 1.86 | Y100L1-4 | 2.2 |
| | 24.5 | 3.35 | 2.23 | Y100L2-4 | 3 |
| | 29.4 | 3.28 | 2.53 | Y100L2-4 | 3 |
| | 34.3 | 3.22 | 2.85 | Y112M-4 | 4 |
| | 39.2 | 3.14 | 3.16 | T112M-4 | 4 |
| | 44.1 | 3.05 | 3,49 | Y112M-4 | 4 |
| | 49 | 2.98 | 3.88 | Y132S-4 | 5.5 |
| | 53.9 | 2.92 | 4.26 | Y132S-4 | 5.5 |
| | 58.8 | 2.86 | 4.65 | Y132S-4 | 5.5 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1300 | 63.7 | 2.77 | 5.04 | Y132M-4 | 7.5 |
| | 68.6 | 2.69 | 5.43 | Y132M-4 | 7.5 |
| | 73.5 | 2.61 | 5.81 | Y132M-4 | 7.5 |
| | 78.4 | 2.53 | 6.20 | Y132M-4 | 7.5 |
| | 83.3 | 2.48 | 6.59 | Y160M-4 | 1.1 |
| | 88.2 | 2.40 | 6.98 | Y160M-4 | 1.1 |
| | 93.1 | 2.34 | 7.36 | Y160M-4 | 1.1 |
| | 98.0 | 2.28 | 7.75 | Y160M-4 | 1.1 |
| 1360 | 9.8 | 3.77 | 1.29 | Y100L1-4 | 2.2 |
| | 14.7 | 3.67 | 1.65 | Y100L1-4 | 2.2 |
| | 19.6 | 2.58 | 1.97 | Y100L2-4 | 3 |
| | 24.5 | 3.51 | 2.35 | Y100L2-4 | 3 |
| | 29.4 | 3.44 | 2.62 | Y100L2-4 | 3 |
| | 34.3 | 3.35 | 2.97 | Y112M-4 | 4 |
| | 39.2 | 3.28 | 3.33 | Y112M-4 | 4 |
| | 44.1 | 3.20 | 3.65 | Y132S-4 | 5.5 |
| | 49 | 3.14 | 4.05 | Y132S-4 | 5.5 |
| | 53.9 | 3.07 | 4.46 | Y132S-4 | 5.5 |
| | 58.8 | 3.01 | 4.87 | Y132M-4 | 7.5 |
| | 63.7 | 2.95 | 5.27 | Y132M-4 | 7.5 |
| | 68.6 | 2.86 | 5.68 | Y132M-4 | 7.5 |
| | 73.5 | 2.77 | 6.08 | Y132M-4 | 7.5 |
| | 78.4 | 2.69 | 6.52 | Y132M-4 | 7.5 |
| | 83.3 | 2.62 | 6.89 | Y160M-4 | 1.1 |
| | 88.2 | 2.57 | 7.30 | Y160M-4 | 1.1 |
| | 93.1 | 2.49 | 7.70 | Y160M-4 | 1.1 |
| | 98.0 | 2.42 | 8.11 | Y160M-4 | 1.1 |
| 1440 | 9.8 | 4.06 | 1.40 | Y100L1-4 | 2.2 |
| | 14.7 | 3.90 | 1.80 | Y100L1-4 | 2.2 |
| | 19.6 | 3.78 | 2.12 | Y100L2-4 | 3 |
| | 24.5 | 3.67 | 2.53 | Y100L2-4 | 3 |
| | 29.1 | 3.58 | 3.11 | Y112M-4 | 4 |
| | 34.3 | 3.50 | 3.22 | Y112M-4 | 4 |
| | 39.2 | 3.42 | 3.80 | Y132S-4 | 5.5 |
| | 44.1 | 3.34 | 3.91 | Y132S-4 | 5.5 |
| | 49 | 3.27 | 4.29 | Y132S-4 | 5.5 |
| | 53.9 | 3.20 | 4.72 | Y132S-4 | 5.5 |
| | 58.8 | 3.14 | 5.35 | Y132M-4 | 7.5 |
| | 63.7 | 3.07 | 5.67 | Y132M-4 | 7.5 |
| | 68.6 | 3.00 | 6.06 | Y132M-4 | 7.5 |
| | 73.5 | 2.92 | 6.44 | Y132M-4 | 7.5 |
| | 78.4 | 2.84 | 6.89 | Y160M-4 | 1.1 |
| | 83.3 | 2.78 | 7.30 | Y160M-4 | 1.1 |
| | 88.2 | 2.65 | 7.73 | Y160M-4 | 1.1 |
| | 93.1 | 2.60 | 8.16 | Y160M-4 | 1.1 |
| | 98.0 | 2.55 | 8.59 | Y160M-4 | 1.1 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-80

## Type GRT-80 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1560 | 9.8 | 4.28 | 1.52 | Y100L1-4 | 2.2 |
| | 14.7 | 4.19 | 1.95 | Y100L2-4 | 3 |
| | 19.6 | 4.11 | 2.34 | Y100L2-4 | 3 |
| | 24.5 | 4.03 | 2.76 | Y112M-4 | 4 |
| | 29.4 | 3.95 | 3.38 | Y112M-4 | 4 |
| | 34.3 | 9.88 | 3.46 | Y112M-4 | 4 |
| | 39.2 | 3.81 | 4.15 | Y132S-4 | 5.5 |
| | 44.1 | 3.73 | 4.41 | Y132S-4 | 5.5 |
| | 49 | 3.65 | 4.97 | Y132M-4 | 7.5 |
| | 53.9 | 3.58 | 5.25 | Y132M-4 | 7.5 |
| | 58.8 | 3.52 | 5.77 | Y132M-4 | 7.5 |
| | 63.7 | 3.44 | 6.17 | Y132M-4 | 7.5 |
| | 68.6 | 3.37 | 6.57 | Y160M-4 | 1.1 |
| | 73.5 | 3.30 | 6.98 | Y160M-4 | 1.1 |
| | 78.4 | 3.21 | 7.44 | Y160M-4 | 1.1 |
| | 82.3 | 3.18 | 7.40 | Y160M-4 | 1.1 |
| | 88.2 | 3.15 | 7.70 | Y160M-4 | 1.1 |
| | 93.1 | 3.10 | 8.12 | Y160M-4 | 1.1 |
| | 98.0 | 3.07 | 8.35 | Y160M-4 | 1.1 |
| 1850 | 9.8 | 4.66 | 1.62 | Y100L1-4 | 2.2 |
| | 14.7 | 4.55 | 2.13 | Y100L2-4 | 3 |
| | 19.6 | 4.45 | 2.52 | Y100L2-4 | 3 |
| | 24.5 | 4.43 | 2.94 | Y112M-4 | 4 |
| | 29.4 | 4.36 | 3.53 | Y132S-4 | 5.5 |
| | 34.3 | 4.28 | 3.75 | Y132S-4 | 5.5 |
| | 9.2 | 4.20 | 4.46 | Y132S-4 | 5.5 |
| | 44.1 | 4.12 | 4.74 | Y132S-4 | 5.5 |
| | 49 | 4.05 | 5.32 | Y132M-4 | 7.5 |
| | 53.9 | 3.98 | 5.62 | Y132M-4 | 7.5 |
| | 58.8 | 3.92 | 6.13 | Y132M-4 | 7.5 |
| | 63.7 | 3.73 | 6.55 | Y132M-4 | 7.5 |
| | 68.6 | 3.65 | 7.02 | Y160M-4 | 1.1 |
| | 73.5 | 3.59 | 7.45 | Y160M-4 | 1.1 |
| | 78.4 | 3.48 | 7.73 | Y160M-4 | 1.1 |
| | 83.3 | 3.40 | 8.00 | Y160M-4 | 1.1 |
| | 88.2 | 3.32 | 8.20 | Y160M-4 | 1.1 |
| | 93.1 | 3.27 | 8.40 | Y160M-4 | 1.1 |
| | 98.0 | 3.21 | 8.70 | Y160M-4 | 1.1 |
| 1730 | 9.8 | 4.90 | 1.77 | Y100L2-4 | 3 |
| | 14.7 | 4.80 | 2.25 | Y100L2-4 | 3 |
| | 19.6 | 4.75 | 2.66 | Y112M-4 | 4 |
| | 24.5 | 4.69 | 3.05 | Y112M-4 | 4 |
| | 29.4 | 4.60 | 3.54 | Y132S-4 | 5.5 |
| | 34.3 | 4.51 | 3.94 | Y132S-4 | 5.5 |
| | 39.2 | 4.42 | 4.65 | Y132S-4 | 5.5 |
| | 44.1 | 4.33 | 4.82 | Y132M-4 | 7.5 |
| | 4.9 | 4.25 | 5.55 | Y132M-4 | 7.5 |
| | 53.9 | 4.17 | 5.72 | Y132M-4 | 7.5 |
| | 58.8 | 4.09 | 6.45 | Y132M-4 | 7.5 |
| | 63.7 | 4.01 | 6.94 | Y160M-4 | 11 |
| | 68.6 | 3.93 | 7.35 | Y160M-4 | 11 |
| | 73.5 | 3.85 | 7.84 | Y160M-4 | 11 |
| | 78.4 | 3.79 | 8.25 | Y160M-4 | 11 |
| | 83.3 | 3.70 | 8.40 | Y160M-4 | 11 |
| | 88.2 | 3.65 | 8.71 | Y160M-4 | 11 |
| | 93.1 | 3.61 | 8.98 | Y160M-4 | 11 |
| | 98.0 | 3.52 | 9.10 | Y160M-4 | 11 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1440 | 9.8 | 5.22 | 1.88 | Y100L2-4 | 3 |
| | 14.7 | 5.12 | 2.35 | Y100L2-4 | 3 |
| | 19.6 | 5.02 | 2.82 | Y112M-4 | 4 |
| | 24.5 | 4.94 | 3.25 | Y112M-4 | 4 |
| | 29.4 | 4.88 | 3.95 | Y132S-4 | 5.5 |
| | 34.3 | 4.81 | 4.13 | Y132S-4 | 5.5 |
| | 39.2 | 4.74 | 4.95 | Y132M-4 | 7.5 |
| | 44.1 | 4.65 | 5.06 | Y132M-4 | 7.5 |
| | 49 | 4.58 | 5.85 | Y132M-4 | 7.5 |
| | 53.9 | 4.52 | 6.04 | Y132M-4 | 7.5 |
| | 58.8 | 4.45 | 6.84 | Y160M-4 | 11 |
| | 63.7 | 4.29 | 7.27 | Y160M-4 | 11 |
| | 68.6 | 4.22 | 7.74 | Y160M-4 | 11 |
| | 73.5 | 4.15 | 8.25 | Y160M-4 | 11 |
| | 78.4 | 4.08 | 8.72 | Y160M-4 | 11 |
| | 83.3 | 4.00 | 9.01 | Y160M-4 | 11 |
| | 88.2 | 3.95 | 9.15 | Y160M-4 | 11 |
| | 93.1 | 3.89 | 9.28 | Y160M-4 | 11 |
| | 98.0 | 3.80 | 9.55 | Y160L-4 | 15 |
| 1530 | 9.8 | 5.43 | 1.95 | Y100L2-4 | 3 |
| | 14.7 | 5.35 | 2.52 | Y100L2-4 | 3 |
| | 19.6 | 5.27 | 2.93 | Y112M-4 | 4 |
| | 24.5 | 5.19 | 3.46 | Y112M-4 | 4 |
| | 29.4 | 5.12 | 4.14 | Y132S-4 | 5.5 |
| | 34.3 | 5.06 | 4.33 | Y132S-4 | 5.5 |
| | 39.2 | 4.99 | 5.15 | Y132M-4 | 7.5 |
| | 44.1 | 4.89 | 5.35 | Y132M-4 | 7.5 |
| | 49 | 4.82 | 6.14 | Y132M-4 | 7.5 |
| | 53.9 | 4.75 | 6.35 | Y132M-4 | 7.5 |
| | 58.8 | 4.63 | 7.42 | Y160M-4 | 11 |
| | 63.7 | 4.55 | 7.65 | Y160M-4 | 11 |
| | 68.6 | 4.49 | 8.14 | Y160M-4 | 11 |
| | 73.5 | 4.42 | 8.63 | Y160M-4 | 11 |
| | 78.4 | 4.35 | 9.13 | Y160M-4 | 11 |
| | 83.3 | 4.27 | 9.31 | Y160M-4 | 11 |
| | 88.2 | 4.20 | 9.58 | Y160M-4 | 11 |
| | 93.1 | 4.13 | 9.88 | Y160M-4 | 11 |
| | 98.0 | 4.07 | 10.10 | Y160L-4 | 15 |
| 1640 | 9.8 | 6.13 | 2.35 | Y100L2-4 | 3 |
| | 14.7 | 6.04 | 2.80 | Y112M-4 | 4 |
| | 19.6 | 5.95 | 3.25 | Y112M-4 | 4 |
| | 24.5 | 5.86 | 3.80 | Y132S-4 | 5.5 |
| | 29.4 | 5.78 | 4.65 | Y132S-4 | 5.5 |
| | 31.3 | 5.71 | 4.79 | Y132S-4 | 5.5 |
| | 39.2 | 5.63 | 5.87 | Y132M-4 | 7.5 |
| | 44.1 | 5.54 | 5.91 | Y132M-4 | 7.5 |
| | 49 | 3.46 | 6.12 | Y132M-4 | 7.5 |
| | 53.9 | 5.39 | 7.01 | Y160M-4 | 11 |
| | 58.8 | 5.33 | 7.95 | Y160M-4 | 11 |
| | 63.7 | 5.26 | 8.45 | Y160M-4 | 11 |
| | 68.6 | 5.18 | 9.04 | Y160M-4 | 11 |
| | 73.5 | 5.12 | 9.54 | Y160M-4 | 11 |
| | 78.4 | 5.05 | 10.02 | Y160M-4 | 11 |
| | 83.3 | 5.00 | 10.20 | Y160L-4 | 15 |
| | 88.2 | 4.91 | 10.51 | Y160L-4 | 15 |
| | 93.1 | 4.87 | 10.90 | Y160L-4 | 15 |
| | 98.0 | 4.80 | 11.20 | Y160L-4 | 15 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-100

## Type GRT-100 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1060 | 9.8 | 4.57 | 1.35 | Y100L2-4 | 3 |
| | 14.7 | 4.42 | 1.83 | Y100L2-4 | 3 |
| | 19.6 | 4.26 | 2.25 | Y100L2-4 | 3 |
| | 24.5 | 4.07 | 2.72 | Y112M -4 | 4 |
| | 29.4 | 3.93 | 3.12 | Y112M-4 | 4 |
| | 34.3 | 3.84 | 3.55 | Y132S-4 | 5.5 |
| | 39.2 | 3.72 | 4.02 | Y132S-4 | 5.5 |
| | 44.1 | 3.57 | 4.47 | Y132S-4 | 5.5 |
| | 49 | 3.46 | 4.97 | Y132M-4 | 7.5 |
| | 53.9 | 3.35 | 5.46 | Y132M-4 | 7.5 |
| | 58.8 | 3.25 | 5.96 | Y132M-4 | 7.5 |
| | 63.7 | 3.17 | 6.46 | Y132M-4 | 7.5 |
| | 68.6 | 3.09 | 6.95 | Y160M-4 | 11 |
| | 73.5 | 3.01 | 7.51 | Y160M-4 | 11 |
| | 78.4 | 2.94 | 8.17 | Y160M-4 | 11 |
| | 83.3 | 2.87 | 8.53 | Y160M-4 | 11 |
| | 88.2 | 2.79 | 8.89 | Y160M-4 | 11 |
| | 93.1 | 2.72 | 9.25 | Y160M-4 | 11 |
| | 98.0 | 2.65 | 9.93 | Y160L-4 | 15 |
| 1140 | 9.8 | 4.98 | 1.53 | Y100L2-4 | 3 |
| | 14.7 | 4.82 | 2.03 | Y100L2-4 | 3 |
| | 19.6 | 4.67 | 2.41 | Y100L2-4 | 3 |
| | 24.5 | 4.52 | 2.94 | Y112M-4 | 4 |
| | 29.4 | 4.38 | 3.43 | Y113M-4 | 4 |
| | 34.3 | 4.25 | 3.93 | Y132S-4 | 5.5 |
| | 39.2 | 4.14 | 4.35 | Y132S-4 | 5.5 |
| | 44.1 | 4.03 | 4.86 | Y132M-4 | 7.5 |
| | 49 | 3.92 | 5.35 | Y132M-4 | 7.5 |
| | 53.9 | 3.83 | 5.87 | Y132M-4 | 7.5 |
| | 58.8 | 3.73 | 6.41 | Y132M-4 | 7.5 |
| | 63.7 | 3.65 | 6.94 | Y160M-4 | 11 |
| | 68.6 | 3.58 | 7.51 | Y160M-4 | 11 |
| | 73.5 | 3.51 | 8.15 | Y160M-4 | 11 |
| | 78.4 | 3.44 | 8.66 | Y160M-4 | 11 |
| | 83.3 | 3.65 | 9.08 | Y160M-4 | 11 |
| | 88.2 | 3.60 | 9.61 | Y160M-4 | 11 |
| | 93.1 | 3.54 | 10.15 | Y160M-4 | 15 |
| | 98.0 | 3.48 | 10.68 | Y160M-4 | 15 |
| 1220 | 9.8 | 5.36 | 1.69 | Y100L2-4 | 3 |
| | 14.7 | 5.15 | 2.22 | Y100L2-4 | 3 |
| | 19.6 | 5.01 | 2.72 | Y112M-4 | 4 |
| | 24.5 | 4.87 | 3.23 | Y112M-4 | 4 |
| | 29.4 | 4.75 | 3.73 | Y132S-4 | 5.5 |
| | 34.3 | 4.63 | 4.22 | Y132S-4 | 5.5 |
| | 39.2 | 4.55 | 4.74 | T132S-4 | 5.5 |
| | 44.1 | 4.44 | 5.27 | Y132M-4 | 7.5 |
| | 49 | 4.35 | 5.78 | Y132M-4 | 7.5 |
| | 53.9 | 4.25 | 6.35 | Y132M-4 | 7.5 |
| | 58.8 | 4.15 | 6.92 | Y160M-4 | 11 |
| | 63.7 | 4.06 | 7.52 | Y160M-4 | 11 |
| | 68.6 | 3.98 | 8.18 | Y160M-4 | 11 |
| | 73.5 | 3.90 | 8.88 | Y160M-4 | 11 |
| | 78.4 | 3.83 | 9.65 | Y160M-4 | 11 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1220 | 83.3 | 3.75 | 10.10 | Y160L-4 | 15 |
| | 88.2 | 3.68 | 10.40 | Y160L-4 | 15 |
| | 93.1 | 3.61 | 10.86 | Y160L-4 | 15 |
| | 98.0 | 3.54 | 11.43 | Y160L-4 | 15 |
| 1310 | 9.8 | 5.75 | 1.88 | Y100L2-4 | 3 |
| | 14.7 | 5.60 | 2.43 | Y100L2-4 | 3 |
| | 19.6 | 5.46 | 2.94 | Y112M-4 | 4 |
| | 24.5 | 5.34 | 3.52 | Y132S-4 | 5.5 |
| | 29.4 | 5.15 | 4.03 | Y132S-4 | 5.5 |
| | 34.3 | 5.05 | 4.63 | Y132S-4 | 5.5 |
| | 39.2 | 4.93 | 5.16 | Y132M-4 | 7.5 |
| | 44.1 | 4.86 | 5.77 | Y132M-4 | 7.5 |
| | 49 | 4.73 | 6.33 | Y132M-4 | 7.5 |
| | 53.9 | 4.66 | 6.95 | Y160M-4 | 11 |
| | 58.8 | 4.53 | 7.45 | Y160M-4 | 11 |
| | 63.7 | 4.43 | 8.15 | Y160M-4 | 11 |
| | 68.6 | 4.35 | 8.75 | Y160M-4 | 11 |
| | 73.5 | 4.26 | 9.62 | Y160M-4 | 11 |
| | 78.4 | 4.18 | 10.56 | Y160L-4 | 15 |
| | 83.3 | 4.10 | 10.82 | Y160L-4 | 15 |
| | 88.2 | 4.03 | 11.50 | Y160L-4 | 15 |
| | 93.1 | 3.96 | 11.71 | Y160L-4 | 15 |
| | 98.0 | 3.87 | 12.27 | Y160L-4 | 15 |
| 1460 | 9.8 | 6.53 | 2.18 | Y100L2-4 | 3 |
| | 14.7 | 6.38 | 2.75 | Y112M-4 | 4 |
| | 19.6 | 6.27 | 3.42 | Y112M-4 | 4 |
| | 24.5 | 6.13 | 3.95 | Y132S-4 | 5.5 |
| | 29.1 | 6.02 | 4.61 | Y132S-4 | 5.5 |
| | 34.3 | 5.87 | 5.22 | Y132M-4 | 7.5 |
| | 39.2 | 5.75 | 5.85 | Y132M-4 | 7.5 |
| | 44.1 | 5.66 | 6.54 | Y132M-4 | 7.5 |
| | 49 | 5.56 | 7.13 | Y160M-4 | 11 |
| | 53.9 | 5.45 | 7.76 | Y160M-4 | 11 |
| | 58.8 | 5.36 | 8.43 | Y160M-4 | 11 |
| | 63.7 | 5.28 | 9.23 | Y160M-4 | 11 |
| | 68.6 | 5.19 | 9.85 | Y160L-4 | 15 |
| | 73.5 | 5.10 | 10.44 | Y160L-4 | 15 |
| | 78.4 | 4.99 | 10.91 | Y160L-4 | 15 |
| | 83.3 | 5.92 | 11.63 | Y160L-4 | 15 |
| | 88.2 | 4.83 | 12.31 | Y160L-4 | 15 |
| | 93.1 | 4.74 | 12.30 | Y160L-4 | 15 |
| | 98.0 | 4.65 | 12.75 | Y160L-4 | 15 |
| 1540 | 9.8 | 6.91 | 2.40 | Y100L2-4 | 3 |
| | 14.7 | 6.79 | 3.04 | Y112M-4 | 4 |
| | 19.6 | 6.63 | 3.66 | Y132S-4 | 5.5 |
| | 24.5 | 6.55 | 4.32 | Y132S-4 | 5.5 |
| | 29.4 | 6.42 | 4.95 | Y132M-4 | 7.5 |
| | 34.3 | 6.30 | 5.65 | Y132M-4 | 7.5 |
| | 39.2 | 6.17 | 6.32 | Y132M-4 | 7.5 |
| | 44.1 | 6.07 | 6.97 | Y160M-4 | 11 |
| | 49 | 5.97 | 7.64 | Y160M-4 | 11 |
| | 53.9 | 5.89 | 8.35 | Y160M-4 | 11 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-100

## Type GRT-100 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1560 | 58.8 | 5.78 | 9.02 | Y160M-4 | 11 |
| | 63.7 | 5.70 | 9.75 | Y160M-4 | 11 |
| | 68.6 | 5.64 | 10.46 | Y160L-4 | 15 |
| | 73.5 | 5.55 | 11.12 | Y160L-4 | 15 |
| | 79.4 | 5.43 | 11.96 | Y160L-4 | 15 |
| | 83.3 | 5.38 | 12.27 | Y160L-4 | 15 |
| | 88.2 | 5.28 | 12.99 | Y160M-4 | 15 |
| | 93.1 | 5.17 | 13.71 | Y180M-4 | 18.5 |
| | 98.0 | 5.06 | 14.43 | Y180M-4 | 18.5 |
| 1560 | 9.8 | 7.63 | 2.78 | Y112M-4 | 4 |
| | 14.7 | 7.48 | 3.45 | Y112M-4 | 4 |
| | 19.6 | 7.39 | 4.15 | Y132S-4 | 5.5 |
| | 24.5 | 3.26 | 4.92 | Y132M-4 | 7.5 |
| | 29.4 | 7.15 | 5.64 | Y132M-4 | 7.5 |
| | 34.3 | 7.04 | 6.33 | Y132M-4 | 7.5 |
| | 39.2 | 6.90 | 7.10 | Y160M-4 | 11 |
| | 44.1 | 6.81 | 7.85 | Y160M-4 | 11 |
| | 49 | 6.71 | 8.53 | Y160M-4 | 11 |
| | 53.9 | 6.65 | 9.32 | Y160M-4 | 11 |
| | 58.8 | 6.53 | 10.05 | Y160L-4 | 15 |
| | 63.7 | 6.44 | 10.77 | Y160L-4 | 15 |
| | 68.6 | 6.35 | 11.53 | Y160L-4 | 15 |
| | 73.5 | 6.25 | 12.21 | Y160M-4 | 15 |
| | 78.4 | 6.16 | 13.63 | Y160L-4 | 15 |
| | 83.3 | 6.08 | 13.38 | Y160L-4 | 15 |
| | 88.2 | 6.00 | 14.17 | Y180M-4 | 18.5 |
| | 93.1 | 5.92 | 14.95 | Y180M-4 | 18.5 |
| | 98.0 | 5.84 | 15.74 | Y180M-4 | 18.5 |
| 1850 | 9.8 | 8.05 | 3.08 | Y112M-4 | 4 |
| | 11.7 | 7.91 | 3.83 | Y132S-4 | 5.5 |
| | 19.6 | 7.86 | 4.58 | Y132S-4 | 5.5 |
| | 24.5 | 7.75 | 5.35 | Y132M-4 | 7.5 |
| | 29.4 | 7.64 | 6.13 | Y132M-4 | 7.5 |
| | 34.3 | 7.54 | 6.81 | Y160M-4 | 11 |
| | 39.2 | 7.44 | 7.65 | Y160M-4 | 11 |
| | 44.1 | 7.31 | 8.45 | Y160M-4 | 11 |
| | 49 | 7.25 | 9.13 | Y160M-4 | 11 |
| | 53.9 | 7.16 | 9.95 | Y160M-4 | 11 |
| | 58.8 | 7.04 | 10.73 | Y160L-4 | 15 |
| | 63.7 | 6.95 | 11.52 | Y160L-4 | 15 |
| | 68.6 | 6.87 | 12.34 | Y160L-4 | 15 |
| | 75.5 | 6.83 | 13.07 | Y160L-4 | 15 |
| | 78.4 | 6.75 | 13.44 | Y160L-4 | 15 |
| | 83.3 | 6.65 | 14.18 | Y180M-4 | 18.5 |
| | 88.2 | 6.58 | 15.01 | Y180M-4 | 18.5 |
| | 93.1 | 6.48 | 15.84 | Y180M-4 | 18.5 |
| | 98.0 | 6.36 | 16.68 | Y180M-4 | 18.5 |
| 1730 | 9.8 | 8.55 | 3.35 | Y112M-4 | 4 |
| | 14.7 | 8.43 | 4.15 | Y132S-4 | 5.5 |
| | 19.6 | 8.35 | 4.95 | Y132M-4 | 7.5 |
| | 24.5 | 8.23 | 5.77 | Y132M-4 | 7.5 |
| | 29.4 | 8.13 | 6.57 | Y160M-4 | 11 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1880 | 34.3 | 8.03 | 7.35 | Y160M-4 | 11 |
| | 39.2 | 7.93 | 8.16 | Y160M-4 | 11 |
| | 44.1 | 7.88 | 9.03 | Y160M-4 | 11 |
| | 49 | 7.75 | 9.83 | Y160M-4 | 11 |
| | 53.9 | 7.65 | 10.61 | Y160L-4 | 15 |
| | 58.8 | 7.62 | 11.45 | Y160L-4 | 15 |
| | 63.7 | 7.55 | 12.25 | Y160L-4 | 15 |
| | 63.6 | 7.45 | 13.05 | Y160L-4 | 15 |
| | 73.5 | 7.33 | 13.86 | Y180M-4 | 18.5 |
| | 73.4 | 7.24 | 14.26 | Y180M-4 | 18.5 |
| | 83.3 | 7.09 | 14.97 | Y180M-4 | 18.5 |
| | 88.2 | 6.96 | 15.85 | Y180M-4 | 18.5 |
| | 93.1 | 6.81 | 16.73 | Y180M-4 | 18.5 |
| | 98.0 | 6.65 | 17.62 | Y180L-4 | 22 |
| 1980 | 9.8 | 9.05 | 3.54 | Y132S-4 | 5.5 |
| | 14.7 | 8.95 | 1.44 | Y132S-4 | 5.5 |
| | 19.6 | 8.87 | 5.34 | Y132M-4 | 7.5 |
| | 24.5 | 8.73 | 6.15 | Y132M-4 | 7.5 |
| | 29.4 | 8.67 | 7.03 | Y160M-4 | 11 |
| | 31.3 | 8.52 | 7.92 | Y160M-4 | 11 |
| | 39.2 | 8.44 | 8.73 | Y160M-4 | 11 |
| | 41.1 | 8.39 | 9.65 | Y160L-4 | 15 |
| | 49 | 8.26 | 10.42 | Y160L-4 | 15 |
| | 53.9 | 8.22 | 11.32 | Y160L-4 | 15 |
| | 58.8 | 8.15 | 12.15 | Y160L-4 | 15 |
| | 63.7 | 8.06 | 13.05 | Y160L-4 | 15 |
| | 68.6 | 7.92 | 13.87 | Y180M-4 | 18.5 |
| | 73.5 | 7.85 | 14.72 | Y180M-4 | 18.5 |
| | 78.4 | 7.75 | 15.27 | Y180M-4 | 18.5 |
| | 83.3 | 7.58 | 15.77 | Y180M-4 | 18.5 |
| | 88.2 | 7.40 | 16.70 | Y180M-4 | 18.5 |
| | 93.1 | 7.21 | 17.62 | Y180L-4 | 22 |
| | 98.0 | 7.03 | 18.55 | Y180L-4 | 22 |
| 2100 | 9.8 | 9.62 | 4.89 | Y132M-4 | 7.5 |
| | 14.7 | 9.53 | 5.50 | Y132M-4 | 7.5 |
| | 19.6 | 9.44 | 6.11 | Y132M-4 | 7.5 |
| | 24.5 | 9.35 | 6.79 | Y160M-4 | 11 |
| | 29.4 | 9.25 | 7.55 | Y160M-4 | 11 |
| | 34.3 | 9.16 | 8.40 | Y160M-4 | 11 |
| | 39.2 | 9.07 | 9.35 | Y160M-4 | 11 |
| | 44.1 | 8.98 | 10.23 | Y160L-4 | 15 |
| | 49 | 8.88 | 11.12 | Y160L-4 | 15 |
| | 53.9 | 8.79 | 12.00 | Y160L-4 | 15 |
| | 58.8 | 8.73 | 12.95 | Y160L-4 | 15 |
| | 63.7 | 8.65 | 18.85 | Y180M-4 | 18.5 |
| | 68.6 | 8.55 | 14.70 | Y180M-4 | 18.5 |
| | 73.5 | 8.49 | 15.62 | Y180M-4 | 18.5 |
| | 78.4 | 8.40 | 16.02 | Y180M-4 | 18.5 |
| | 83.3 | 8.25 | 16.73 | Y180M-4 | 18.5 |
| | 88.2 | 8.07 | 17.71 | Y180L-4 | 22 |
| | 93.1 | 7.93 | 18.69 | Y180L-4 | 22 |
| | 98.0 | 7.71 | 19.68 | Y180L-4 | 22 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-125

## Type GRT-125 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 980 | 9.8 | 6.50 | 1.65 | Y100L2-4 | 3 |
| | 14.7 | 6.32 | 2.25 | Y112M-4 | 4 |
| | 19.6 | 6.13 | 2.83 | Y132S-4 | 5.5 |
| | 24.5 | 6.03 | 3.12 | Y132S -4 | 5.5 |
| | 29.4 | 5.93 | 4.12 | Y132S-4 | 5.5 |
| | 34.3 | 5.80 | 4.73 | Y132S-4 | 5.5 |
| | 39.2 | 5.73 | 5.42 | Y132M-4 | 7.5 |
| | 44.1 | 5.62 | 6.13 | Y132M-4 | 7.5 |
| | 49 | 5.58 | 6.72 | Y160M-4 | 11 |
| | 53.9 | 5.45 | 7.22 | Y160M-4 | 11 |
| | 58.8 | 5.35 | 8.03 | Y160M-4 | 11 |
| | 63.7 | 5.24 | 8.92 | Y160M-4 | 11 |
| | 68.6 | 5.14 | 9.81 | Y160M-4 | 11 |
| | 73.5 | 5.04 | 10.89 | Y160L-4 | 15 |
| | 78.4 | 4.93 | 12.10 | Y160L-4 | 15 |
| | 83.3 | 4.86 | 13.20 | Y160L-4 | 15 |
| | 88.2 | 4.78 | 14.10 | Y180M-4 | 18.5 |
| | 93.1 | 4.71 | 15.30 | Y180M-4 | 18.5 |
| | 98.0 | 4.64 | 16.40 | Y180M-4 | 18.5 |
| 1050 | 9.8 | 6.95 | 1.90 | Y100L2-4 | 3 |
| | 14.7 | 6.75 | 2.53 | Y112M-4 | 4 |
| | 19.6 | 6.65 | 3.13 | Y132S-4 | 5.5 |
| | 24.5 | 6.52 | 3.83 | Y132S-4 | 5.5 |
| | 29.4 | 6.45 | 4.55 | Y132S-4 | 5.5 |
| | 34.3 | 6.32 | 5.22 | Y132M-4 | 7.5 |
| | 39.2 | 6.20 | 5.93 | Y132M-4 | 7.5 |
| | 44.1 | 6.13 | 6.63 | Y160M-4 | 11 |
| | 49 | 6.05 | 7.32 | Y160M-4 | 11 |
| | 53.9 | 5.93 | 7.93 | Y160M-4 | 11 |
| | 58.8 | 5.83 | 8.73 | Y160M-4 | 11 |
| | 63.7 | 5.54 | 9.71 | Y160M-4 | 11 |
| | 68.6 | 5.43 | 10.78 | Y160L-4 | 15 |
| | 73.5 | 5.32 | 11.98 | Y160L-4 | 15 |
| | 78.4 | 5.21 | 13.01 | Y160L-4 | 15 |
| | 83.3 | 5.11 | 14.08 | Y180M-4 | 18.5 |
| | 88.2 | 5.01 | 15.11 | Y180M-4 | 18.5 |
| | 93.1 | 4.92 | 16.01 | Y180M-4 | 18.5 |
| | 98.0 | 4.80 | 17.10 | Y180L-4 | 22 |
| 1200 | 9.8 | 8.00 | 2.50 | Y112M-4 | 4 |
| | 14.7 | 7.82 | 3.22 | Y132S-4 | 5.5 |
| | 19.6 | 7.67 | 3.95 | Y132S-4 | 5.5 |
| | 24.5 | 7.53 | 4.72 | Y132S-4 | 5.5 |
| | 29.4 | 7.43 | 5.52 | Y132M-4 | 7.5 |
| | 34.3 | 7.32 | 6.25 | Y132M-4 | 7.5 |
| | 39.2 | 7.23 | 7.13 | Y160M-4 | 11 |
| | 44.1 | 7.12 | 7.92 | Y160M-4 | 11 |
| | 49 | 7.03 | 8.63 | Y160M-4 | 11 |
| | 53.9 | 6.98 | 9.13 | Y160M-4 | 11 |
| | 58.8 | 6.90 | 10.23 | Y160L-4 | 15 |
| | 63.7 | 6.83 | 11.05 | Y160L-4 | 15 |
| | 68.6 | 6.74 | 11.82 | Y160L-4 | 15 |
| | 73.5 | 6.66 | 12.55 | Y160L-4 | 15 |
| | 78.4 | 6.54 | 13.33 | Y160L-4 | 15 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1200 | 83.3 | 6.43 | 14.61 | Y180M-4 | 18.5 |
| | 88.2 | 6.32 | 15.58 | Y180M-4 | 18.5 |
| | 93.1 | 6.23 | 16.57 | Y180M-4 | 18.5 |
| | 98.0 | 6.15 | 17.90 | Y180L-4 | 22 |
| 1310 | 9.8 | 8.75 | 2.90 | Y132S-4 | 5.5 |
| | 14.7 | 8.53 | 3.63 | Y132S-4 | 5.5 |
| | 19.6 | 8.42 | 4.53 | Y112S-4 | 5.5 |
| | 24.5 | 8.25 | 5.33 | Y132M-4 | 7.5 |
| | 29.4 | 8.17 | 6.23 | Y132M-4 | 7.5 |
| | 34.3 | 8.07 | 7.03 | Y160M-4 | 11 |
| | 39.2 | 8.00 | 7.92 | Y160M-4 | 11 |
| | 44.1 | 7.93 | 8.83 | Y160M-4 | 11 |
| | 49 | 7.84 | 9.62 | Y160M-4 | 11 |
| | 53.9 | 7.76 | 10.03 | Y160L-4 | 15 |
| | 58.8 | 7.66 | 11.72 | Y160L-4 | 15 |
| | 63.7 | 7.55 | 12.22 | Y160L-4 | 15 |
| | 68.6 | 7.45 | 18.13 | Y160L-4 | 15 |
| | 73.5 | 7.39 | 13.92 | Y180M-4 | 18.5 |
| | 78.4 | 7.34 | 14.83 | Y180M-4 | 18.5 |
| | 83.3 | 7.25 | 15.85 | Y180M-4 | 18.5 |
| | 88.2 | 7.17 | 16.86 | Y180M-4 | 18.5 |
| | 93.1 | 7.09 | 17.87 | Y180L-4 | 22 |
| | 98.0 | 6.99 | 18.80 | Y180L-4 | 22 |
| 1390 | 9.8 | 9.30 | 3.20 | Y132S-4 | 5.5 |
| | 14.7 | 9.12 | 4.02 | Y132S-4 | 5.5 |
| | 19.6 | 8.93 | 4.92 | Y160M-4 | 7.5 |
| | 24.5 | 8.85 | 5.82 | Y132M-4 | 7.5 |
| | 29.1 | 8.72 | 6.72 | Y160M-4 | 11 |
| | 34.3 | 8.65 | 7.62 | Y160M-4 | 11 |
| | 39.2 | 8.52 | 8.50 | Y160M-4 | 11 |
| | 44.1 | 8.12 | 9.42 | Y160M-4 | 11 |
| | 49 | 8.35 | 10.33 | Y160L-4 | 15 |
| | 53.9 | 8.25 | 11.27 | Y160L-4 | 15 |
| | 58.8 | 8.22 | 12.23 | Y160L-4 | 15 |
| | 63.7 | 8.14 | 13.14 | Y180M-4 | 18.5 |
| | 68.6 | 8.06 | 14.04 | Y180M-4 | 18.5 |
| | 73.5 | 7.92 | 14.91 | Y180M-4 | 18.5 |
| | 78.4 | 7.85 | 15.82 | Y180M-4 | 18.5 |
| | 83.3 | 7.75 | 16.20 | Y180M-4 | 18.5 |
| | 88.2 | 7.63 | 17.21 | Y180L-4 | 22 |
| | 93.1 | 7.52 | 18.23 | Y180L-4 | 22 |
| | 98.0 | 7.41 | 19.25 | Y180L-4 | 22 |
| 1460 | 9.8 | 9.72 | 3.45 | Y132S-4 | 5.5 |
| | 14.7 | 9.48 | 4.23 | Y132S-4 | 5.5 |
| | 19.6 | 9.33 | 5.22 | Y132M-4 | 7.5 |
| | 24.5 | 9.23 | 6.13 | Y132M-4 | 7.5 |
| | 29.4 | 9.13 | 7.13 | Y160M-4 | 11 |
| | 34.3 | 9.03 | 8.03 | Y160M-4 | 11 |
| | 39.2 | 8.93 | 9.02 | Y160M-4 | 11 |
| | 44.1 | 8.82 | 9.93 | Y160M-4 | 11 |
| | 49 | 8.78 | 10.92 | Y160L-4 | 15 |
| | 53.9 | 8.70 | 11.82 | Y160L-4 | 15 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-125

## Type GRT-125 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1460 | 58.8 | 8.61 | 12.83 | Y160L-4 | 15 |
| | 63.7 | 8.80 | 13.73 | Y180M-4 | 18.5 |
| | 68.6 | 8.42 | 14.67 | Y180M-4 | 18.5 |
| | 73.5 | 8.33 | 15.62 | Y180M-4 | 18.5 |
| | 78.4 | 8.24 | 16.55 | Y180M-4 | 18.5 |
| | 83.3 | 8.13 | 17.10 | Y180L-4 | 22 |
| | 88.2 | 8.02 | 17.72 | Y180L-4 | 22 |
| | 93.1 | 7.90 | 18.36 | Y180L-4 | 22 |
| | 98.0 | 7.81 | 19.80 | Y180L-4 | 22 |
| 1530 | 9.8 | 10.27 | 3.80 | Y132S-4 | 5.5 |
| | 14.7 | 10.09 | 4.72 | Y132S-4 | 5.5 |
| | 19.6 | 9.92 | 5.63 | Y132M-4 | 7.5 |
| | 24.5 | 9.82 | 6.63 | Y160M-4 | 11 |
| | 29.4 | 9.72 | 7.62 | Y160M-4 | 11 |
| | 34.3 | 9.62 | 8.62 | Y160M-4 | 11 |
| | 39.2 | 9.52 | 9.62 | Y160M-4 | 11 |
| | 44.1 | 9.43 | 10.62 | Y160L-4 | 15 |
| | 49 | 9.35 | 11.63 | Y160L-4 | 15 |
| | 53.9 | 9.23 | 12.63 | Y160L-4 | 15 |
| | 58.8 | 9.13 | 13.62 | Y160L-4 | 15 |
| | 63.7 | 9.05 | 14.63 | Y160M-4 | 18.5 |
| | 68.6 | 8.95 | 15.62 | Y180M-4 | 18.5 |
| | 73.5 | 8.87 | 16.63 | Y180M-4 | 18.5 |
| | 78.4 | 8.82 | 17.62 | Y180L-4 | 22 |
| | 83.3 | 8.73 | 18.01 | Y160L-4 | 22 |
| | 88.2 | 8.64 | 18.71 | Y180L-4 | 22 |
| | 93.1 | 8.53 | 19.40 | Y180L-4 | 22 |
| | 98.0 | 8.42 | 20.25 | Y180L-4 | 22 |
| 1830 | 9.8 | 10.96 | 4.30 | Y132S-4 | 5.5 |
| | 14.7 | 10.73 | 5.23 | Y132M-4 | 7.5 |
| | 19.6 | 10.55 | 6.23 | Y132M-4 | 7.5 |
| | 24.5 | 10.45 | 7.23 | Y160M-4 | 11 |
| | 29.4 | 10.35 | 8.33 | Y160M-4 | 11 |
| | 34.3 | 10.25 | 9.33 | Y160M-4 | 11 |
| | 39.2 | 10.15 | 10.33 | Y160L-4 | 15 |
| | 44.1 | 10.08 | 11.33 | Y160L-4 | 15 |
| | 49 | 10.01 | 12.43 | Y160L-4 | 15 |
| | 53.9 | 9.93 | 13.53 | Y180M-4 | 18.5 |
| | 58.8 | 9.83 | 14.62 | Y180M-4 | 18.5 |
| | 63.7 | 9.75 | 15.65 | Y180M-4 | 18.5 |
| | 68.6 | 9.65 | 16.73 | Y180L-4 | 22 |
| | 75.5 | 9.55 | 17.82 | Y180L-4 | 22 |
| | 78.4 | 9.45 | 18.95 | Y180L-4 | 22 |
| | 83.3 | 9.35 | 19.60 | Y180L-4 | 22 |
| | 88.2 | 9.25 | 20.30 | Y180L-4 | 22 |
| | 93.1 | 9.15 | 20.98 | Y200L-4 | 30 |
| | 98.0 | 9.02 | 21.60 | Y200L-4 | 30 |
| 1750 | 9.8 | 11.70 | 4.71 | Y132M-4 | 7.5 |
| | 14.7 | 11.52 | 5.82 | Y132M-4 | 7.5 |
| | 19.6 | 11.35 | 7.53 | Y160M-4 | 11 |
| | 24.5 | 11.27 | 7.93 | Y160M-4 | 11 |
| | 29.4 | 11.15 | 9.15 | Y160M-4 | 11 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1750 | 34.3 | 11.07 | 10.22 | Y160L-4 | 15 |
| | 39.2 | 10.97 | 11.21 | Y160L-4 | 15 |
| | 44.1 | 10.93 | 12.35 | Y160L-4 | 15 |
| | 49 | 10.85 | 13.35 | Y160L-4 | 15 |
| | 53.9 | 10.73 | 14.72 | Y180M-4 | 18.5 |
| | 58.8 | 10.64 | 15.82 | Y180M-4 | 18.5 |
| | 63.7 | 10.55 | 16.91 | Y180M-4 | 22 |
| | 68.6 | 10.45 | 18.06 | Y180L-4 | 22 |
| | 73.5 | 10.35 | 19.14 | Y180L-4 | 22 |
| | 78.4 | 10.25 | 20.25 | Y180L-4 | 30 |
| | 83.3 | 10.12 | 21.02 | Y180L-4 | 30 |
| | 88.2 | 9.99 | 21.80 | Y200L-4 | 30 |
| | 93.1 | 9.86 | 22.35 | Y200L-4 | 30 |
| | 98.0 | 9.73 | 23.16 | Y200L-4 | 30 |
| 1850 | 9.8 | 12.40 | 5.19 | Y132M-4 | 7.5 |
| | 14.7 | 12.23 | 6.36 | Y132M-4 | 7.5 |
| | 19.6 | 12.07 | 7.35 | Y160M-4 | 11 |
| | 24.5 | 11.95 | 8.55 | Y160M-4 | 11 |
| | 29.4 | 11.85 | 9.85 | Y160M-4 | 11 |
| | 34.3 | 11.72 | 10.92 | Y160L-4 | 15 |
| | 39.2 | 11.64 | 12.04 | Y160L-4 | 15 |
| | 41.1 | 11.57 | 13.15 | Y160L-4 | 15 |
| | 49 | 11.50 | 14.22 | Y180M-4 | 18.5 |
| | 53.9 | 11.42 | 15.62 | Y180M-4 | 18.5 |
| | 58.8 | 11.33 | 16.83 | Y180M-4 | 18.5 |
| | 63.7 | 11.23 | 18.05 | Y180L-4 | 22 |
| | 68.6 | 11.13 | 19.24 | Y180L-4 | 22 |
| | 73.5 | 11.04 | 20.37 | Y200L-4 | 30 |
| | 78.4 | 10.94 | 21.45 | Y200L-4 | 30 |
| | 83.3 | 10.82 | 22.10 | Y200L-4 | 30 |
| | 88.2 | 10.70 | 22.98 | Y200L-4 | 30 |
| | 93.1 | 10.57 | 23.70 | Y200L-4 | 30 |
| | 98.0 | 10.45 | 24.48 | Y200L-4 | 30 |
| 2000 | 9.8 | 13.39 | 7.17 | Y160M-4 | 11 |
| | 14.7 | 13.22 | 8.07 | Y1602M-4 | 11 |
| | 19.6 | 13.05 | 8.97 | Y160M-4 | 11 |
| | 24.5 | 12.91 | 9.96 | Y160L-4 | 15 |
| | 29.4 | 12.83 | 11.07 | Y160L-4 | 15 |
| | 34.3 | 12.71 | 12.26 | Y160L-4 | 15 |
| | 39.2 | 12.64 | 13.62 | Y180M-4 | 18.5 |
| | 44.1 | 12.58 | 14.96 | Y180M-4 | 18.5 |
| | 49 | 12.53 | 16.23 | Y180M-4 | 18.5 |
| | 53.9 | 12.44 | 17.42 | Y180L-4 | 22 |
| | 58.8 | 12.35 | 18.71 | Y180L-4 | 22 |
| | 63.7 | 12.23 | 20.02 | Y200L-4 | 30 |
| | 68.6 | 12.12 | 21.31 | Y200L-4 | 30 |
| | 73.5 | 12.05 | 22.63 | Y200L-4 | 30 |
| | 78.4 | 11.93 | 23.92 | Y200L-4 | 30 |
| | 83.3 | 11.80 | 24.50 | Y200L-4 | 30 |
| | 88.2 | 11.68 | 25.10 | Y200L-4 | 30 |
| | 93.1 | 11.55 | 25.90 | Y200L-4 | 30 |
| | 98.0 | 11.42 | 26.80 | Y200L-4 | 30 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-125C

## Type GRT-125C three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 970 * | 9.8 | 9.30 | 3.20 | Y112M-4 | 4 |
| | 14.7 | 9.10 | 4.00 | Y132S-4 | 5.5 |
| | 19.6 | 8.90 | 4.85 | Y132M-4 | 7.5 |
| | 24.5 | 8.70 | 5.81 | Y132M-4 | 7.5 |
| | 29.4 | 8.55 | 6.70 | Y160M-4 | 11 |
| | 34.3 | 8.40 | 7.65 | Y160M-4 | 11 |
| | 39.2 | 8.20 | 8.50 | Y160M-4 | 11 |
| | 44.1 | 8.05 | 9.30 | Y160M-4 | 11 |
| | 49 | 7.90 | 10.10 | Y160L-4 | 15 |
| | 53.9 | 7.70 | 11.20 | Y160L-4 | 15 |
| | 58.8 | 7.50 | 11.80 | Y160L-4 | 15 |
| 1050 | 9.8 | 9.87 | 3.30 | Y112S-4 | 4 |
| | 14.7 | 9.58 | 4.20 | Y132S-4 | 5.5 |
| | 19.6 | 9.41 | 4.86 | Y132M-4 | 7.5 |
| | 24.5 | 9.25 | 5.76 | Y132M-4 | 7.5 |
| | 29.4 | 9.11 | 6.69 | Y160M-4 | 11 |
| | 34.3 | 8.97 | 7.39 | Y160M-4 | 11 |
| | 39.2 | 8.83 | 8.50 | Y160M-4 | 11 |
| | 44.1 | 8.70 | 9.40 | Y160L-4 | 15 |
| | 49 | 8.56 | 10.30 | Y160L-4 | 15 |
| | 53.9 | 8.42 | 11.23 | Y160L-4 | 15 |
| | 58.8 | 8.30 | 12.14 | Y160L-4 | 15 |
| 1200 | 9.8 | 11.38 | 4.00 | Y132S-4 | 5.5 |
| | 14.7 | 11.20 | 4.70 | Y132S-4 | 5.5 |
| | 19.6 | 11.05 | 5.52 | Y132M-4 | 7.5 |
| | 24.5 | 10.90 | 6.60 | Y160M-4 | 11 |
| | 29.4 | 10.75 | 7.72 | Y160M-4 | 11 |
| | 31.3 | 10.60 | 8.80 | Y160M-4 | 11 |
| | 39.2 | 10.45 | 9.92 | Y160L-4 | 15 |
| | 44.1 | 10.30 | 11.02 | Y160L-4 | 15 |
| | 49 | 10.15 | 12.10 | Y160L-4 | 15 |
| | 53.9 | 10.00 | 13.20 | Y180M-4 | 18.5 |
| | 58.8 | 9.90 | 14.30 | Y180 M-4 | 18.5 |
| 1310 | 9.8 | 12.56 | 4.50 | Y132S-4 | 5.5 |
| | 14.7 | 12.40 | 5.30 | Y132M-4 | 7.5 |
| | 19.6 | 12.23 | 6.08 | Y132M-4 | 7.5 |
| | 24.5 | 12.10 | 7.15 | Y160M-4 | 11 |
| | 29.4 | 11.96 | 8.36 | Y160M-4 | 11 |
| | 34.3 | 11.80 | 9.40 | Y160M-4 | 11 |
| | 39.2 | 11.65 | 10.60 | Y160L-4 | 15 |
| | 44.1 | 11.45 | 11.70 | Y160L-4 | 15 |
| | 49 | 11.20 | 12.90 | Y180M-4 | 18.5 |
| | 53.9 | 11.05 | 14.00 | Y180M-4 | 18.5 |
| | 58.8 | 10.90 | 15.20 | Y180M-4 | 18.5 |
| 1390 | 9.8 | 13.20 | 4.70 | Y132M-4 | 7.5 |
| | 14.7 | 12.95 | 5.40 | Y132M-4 | 7.5 |
| | 19.6 | 12.71 | 6.22 | Y160M-4 | 11 |
| | 24.5 | 12.56 | 7.42 | Y160M-4 | 11 |
| | 29.4 | 12.41 | 8.68 | Y160M-4 | 11 |
| | 34.3 | 12.28 | 9.70 | Y160L-4 | 15 |
| | 39.2 | 12.13 | 10.92 | T160L-4 | 15 |
| | 4.1 | 11.95 | 12.10 | Y180M-4 | 18.5 |
| | 49 | 11.88 | 13.30 | Y180M-4 | 18.5 |
| | 53.9 | 11.71 | 14.90 | Y180L-4 | 22 |
| | 58.8 | 11.52 | 16.50 | Y180L-4 | 22 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1470 * | 9.8 | 13.75 | 4.85 | Y132M-4 | 7.5 |
| | 14.7 | 13.60 | 5.50 | Y132M-4 | 7.5 |
| | 19.6 | 13.45 | 6.53 | Y160M-4 | 11 |
| | 24.5 | 13.3 | 7.80 | Y160M-4 | 11 |
| | 29.4 | 13.15 | 9.20 | Y160M-4 | 11 |
| | 34.3 | 13.00 | 10.32 | Y160L-4 | 15 |
| | 39.2 | 12.85 | 11.46 | Y160L-4 | 15 |
| | 44.1 | 12.70 | 12.75 | Y160L-4 | 15 |
| | 49 | 12.55 | 14.17 | Y180M-4 | 18.5 |
| | 53.9 | 12.40 | 15.58 | Y180M-4 | 18.5 |
| | 58.8 | 12.20 | 17.32 | Y180L-4 | 22 |
| 1530 | 9.8 | 14.58 | 5.00 | Y132M-4 | 7.5 |
| | 14.7 | 14.32 | 5.80 | Y132M-4 | 7.5 |
| | 19.6 | 14.12 | 6.96 | Y160M-4 | 11 |
| | 24.5 | 13.94 | 8.20 | Y160M-4 | 11 |
| | 29.4 | 13.77 | 9.74 | Y160L-4 | 15 |
| | 34.3 | 13.60 | 11.04 | Y160L-4 | 15 |
| | 39.2 | 13.49 | 12.50 | Y180M-4 | 18.5 |
| | 44.1 | 13.39 | 13.90 | Y180M-4 | 18.5 |
| | 49 | 13.24 | 15.30 | Y180L-4 | 22 |
| | 53.9 | 13.14 | 16.70 | Y180L-4 | 22 |
| | 58.8 | 12.95 | 18.10 | Y180L-4 | 22 |
| 1630 | 9.8 | 15.46 | 5.15 | Y132M-4 | 7.5 |
| | 14.7 | 15.30 | 6.00 | Y132M-4 | 7.5 |
| | 19.6 | 15.15 | 7.30 | Y160M-4 | 11 |
| | 24.5 | 15.00 | 8.70 | Y160M-4 | 11 |
| | 29.4 | 14.35 | 10.00 | Y160L-4 | 15 |
| | 34.3 | 14.7 | 11.30 | Y160L-4 | 15 |
| | 39.2 | 14.55 | 12.80 | Y180M-4 | 18.5 |
| | 44.1 | 14.40 | 14.14 | Y180M-4 | 18.5 |
| | 49 | 14.25 | 15.71 | Y180L-4 | 22 |
| | 53.9 | 14.1 | 17.28 | Y180L-4 | 22 |
| | 58.8 | 13.95 | 18.85 | Y180L-4 | 22 |
| 1750 | 9.8 | 16.72 | 5.40 | Y132M-4 | 7.5 |
| | 14.7 | 16.48 | 6.60 | Y160M-4 | 11 |
| | 19.6 | 16.25 | 8.00 | Y160M-4 | 11 |
| | 24.5 | 16.10 | 9.60 | Y160M-4 | 11 |
| | 29.4 | 15.90 | 11.21 | Y160L-4 | 5 |
| | 34.3 | 15.72 | 12.70 | Y180M-4 | 18.5 |
| | 39.2 | 15.60 | 14.35 | Y180M-4 | 18.5 |
| | 44.1 | 15.48 | 15.90 | Y280L-4 | 22 |
| | 49 | 15.35 | 17.60 | Y280L-4 | 22 |
| | 53.9 | 15.20 | 19.30 | Y200L-4 | 30 |
| | 58.8 | 15.08 | 20.90 | Y200L-4 | 30 |
| 1830 | 9.8 | 17.57 | 5.60 | Y132M-4 | 7.5 |
| | 14.7 | 17.40 | 6.93 | Y160M-4 | 11 |
| | 19.6 | 17.25 | 8.43 | Y160M-4 | 11 |
| | 24.5 | 17.10 | 10.00 | Y160L-4 | 15 |
| | 29.4 | 16.95 | 11.80 | Y160L-4 | 15 |
| | 34.3 | 16.80 | 13.40 | Y180M-4 | 18.5 |
| | 39.2 | 16.65 | 15.10 | Y180M-4 | 18.5 |
| | 44.1 | 16.50 | 16.80 | Y180L-4 | 22 |
| | 49 | 16.35 | 18.50 | Y180L-4 | 22 |

Notes
1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT-150

## Type GRT-150 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 810 | 9.8 | 12.00 | 3.84 | Y132M-4 | 7.5 |
| | 14.7 | 11.74 | 5.03 | Y132M-4 | 7.5 |
| | 19.6 | 11.52 | 6.23 | Y132M-4 | 7.5 |
| | 24.5 | 11.33 | 7.32 | Y160M-4 | 11 |
| | 29.4 | 11.13 | 8.52 | Y160M-4 | 11 |
| | 34.3 | 11.02 | 9.62 | Y160L-4 | 15 |
| | 39.2 | 10.84 | 10.82 | Y160L-4 | 15 |
| | 44.1 | 10.74 | 11.97 | Y160L-4 | 15 |
| | 49 | 10.64 | 13.22 | Y160L-4 | 15 |
| | 53.9 | 10.54 | 14.42 | Y180M-4 | 18.5 |
| | 58.8 | 10.37 | 15.62 | Y180M-4 | 18.5 |
| | 63.7 | 10.26 | 17.16 | Y180L-4 | 22 |
| | 68.6 | 10.16 | 18.86 | Y180L-4 | 22 |
| | 73.5 | 10.06 | 20.73 | Y200L-4 | 30 |
| | 78.4 | 9.96 | 22.78 | Y200L-4 | 30 |
| | 82.3 | 9.86 | 24.38 | Y200L-4 | 30 |
| | 88.2 | 9.75 | 25.98 | Y200L-4 | 30 |
| | 93.1 | 9.64 | 27.28 | Y225S-4 | 37 |
| | 98.0 | 9.53 | 28.58 | Y225S-4 | 37 |
| 860 | 9.8 | 12.80 | 4.40 | Y132M-4 | 7.5 |
| | 14.7 | 12.64 | 5.63 | Y132M-4 | 7.5 |
| | 19.6 | 12.43 | 6.88 | Y160M-4 | 11 |
| | 24.5 | 12.23 | 8.03 | Y160M-4 | 11 |
| | 29.4 | 12.05 | 9.32 | Y160M-4 | 11 |
| | 34.3 | 11.84 | 10.47 | Y160L-4 | 15 |
| | 9.2 | 11.73 | 11.70 | Y160L-4 | 15 |
| | 44.1 | 11.63 | 13.03 | Y160L-4 | 15 |
| | 49 | 11.51 | 14.23 | Y180M-4 | 18.5 |
| | 53.9 | 11.42 | 15.53 | Y180M-4 | 18.5 |
| | 58.8 | 11.25 | 16.82 | Y180L-4 | 22 |
| | 63.7 | 11.16 | 17.79 | Y180L-4 | 22 |
| | 68.6 | 11.03 | 19.16 | Y180L-4 | 22 |
| | 73.5 | 10.85 | 20.87 | Y200L-4 | 30 |
| | 78.4 | 10.73 | 24.37 | Y200L-4 | 30 |
| | 83.3 | 10.62 | 25.67 | Y200L-4 | 30 |
| | 88.2 | 10.51 | 26.97 | Y225S-4 | 37 |
| | 93.1 | 10.40 | 28.27 | Y225S-4 | 37 |
| | 98.0 | 10.29 | 29.57 | Y225S-4 | 37 |
| 970 * | 9.8 | 14.70 | 5.58 | Y132M-4 | 7.5 |
| | 14.7 | 14.52 | 7.02 | Y160M-4 | 11 |
| | 19.6 | 14.32 | 8.33 | Y160M-4 | 11 |
| | 24.5 | 14.13 | 9.63 | Y160L-4 | 15 |
| | 29.4 | 13.93 | 11.07 | Y160L-4 | 15 |
| | 34.3 | 13.82 | 12.43 | Y160L-4 | 5 |
| | 39.2 | 13.72 | 13.82 | Y180M-4 | 18.5 |
| | 44.1 | 13.62 | 15.23 | Y180M-4 | 18.5 |
| | 49 | 13.52 | 16.62 | Y180L-4 | 22 |
| | 53.9 | 13.33 | 18.03 | Y180L-4 | 22 |
| | 58.8 | 13.25 | 19.43 | Y180L-4 | 22 |
| | 63.7 | 13.12 | 21.45 | Y200L-4 | 30 |
| | 68.6 | 12.95 | 22.93 | Y200L-4 | 30 |
| | 73.5 | 12.86 | 24.34 | Y200L-4 | 30 |
| | 78.4 | 12.73 | 25.82 | Y200L-4 | 30 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 970 * | 83.3 | 12.51 | 26.50 | Y200L-4 | 30 |
| | 88.2 | 12.39 | 29.01 | Y225S-4 | 37 |
| | 93.1 | 12.25 | 30.36 | Y225S-4 | 37 |
| | 98.0 | 12.12 | 33.71 | Y225S-4 | 37 |
| 1110 | 9.8 | 17.08 | 7.00 | Y160M-4 | 11 |
| | 14.7 | 16.92 | 8.62 | Y160M-4 | 11 |
| | 19.6 | 16.73 | 10.17 | Y160L-4 | 15 |
| | 24.5 | 16.54 | 11.72 | Y160L-4 | 15 |
| | 29.4 | 16.35 | 13.12 | Y180M-4 | 18.5 |
| | 34.3 | 16.23 | 14.82 | Y180M-4 | 18.5 |
| | 39.2 | 16.17 | 16.53 | Y180M-4 | 18.5 |
| | 44.1 | 16.07 | 18.03 | Y180L-4 | 22 |
| | 49 | 15.97 | 19.63 | Y180L-4 | 22 |
| | 53.9 | 15.82 | 21.23 | Y200L-4 | 30 |
| | 58.8 | 15.72 | 22.82 | Y200L-4 | 30 |
| | 63.7 | 15.55 | 25.07 | Y200L-4 | 30 |
| | 68.6 | 15.46 | 26.74 | Y200L-4 | 30 |
| | 73.5 | 15.33 | 28.45 | Y225S-4 | 37 |
| | 78.4 | 15.15 | 30.07 | Y225S-4 | 37 |
| | 83.3 | 15.00 | 32.60 | Y225S-4 | 37 |
| | 88.2 | 14.85 | 35.00 | Y225M-4 | 45 |
| | 93.1 | 14.70 | 37.21 | Y225M-4 | 45 |
| | 98.0 | 14.55 | 39.35 | Y225M-4 | 45 |
| 1180 | 9.8 | 18.25 | 7.80 | Y160M-4 | 11 |
| | 14.7 | 18.13 | 9.43 | Y160M-4 | 11 |
| | 19.6 | 17.94 | 11.12 | Y160M-4 | 15 |
| | 24.5 | 17.75 | 12.73 | Y160M-4 | 15 |
| | 29.4 | 17.57 | 14.43 | Y180M-4 | 18.5 |
| | 34.3 | 17.45 | 16.03 | Y180M-4 | 18.5 |
| | 39.2 | 17.35 | 17.83 | Y180L-4 | 22 |
| | 44.1 | 17.25 | 19.40 | Y180L-4 | 22 |
| | 49 | 17.15 | 21.13 | Y200L-4 | 30 |
| | 53.9 | 17.05 | 22.82 | Y200L-4 | 30 |
| | 58.8 | 16.95 | 29.53 | Y200L-4 | 30 |
| | 63.7 | 16.86 | 26.34 | Y200L-4 | 30 |
| | 68.6 | 16.73 | 28.22 | Y1225S-4 | 37 |
| | 73.5 | 16.55 | 30.45 | Y225S-4 | 37 |
| | 78.4 | 16.13 | 31.84 | Y225S-4 | 37 |
| | 83.3 | 16.27 | 33.54 | Y225S-4 | 37 |
| | 88.2 | 16.10 | 35.51 | Y225M-4 | 45 |
| | 93.1 | 15.89 | 40.10 | Y225M-4 | 45 |
| | 98.0 | 15.71 | 44.23 | Y250M-4 | 55 |
| 1240 | 9.8 | 19.27 | 8.45 | Y160M-4 | 11 |
| | 14.7 | 19.12 | 10.21 | Y160L-4 | 15 |
| | 19.6 | 18.93 | 11.92 | Y160L-4 | 15 |
| | 24.5 | 18.75 | 13.62 | Y180M-4 | 18.5 |
| | 29.4 | 18.65 | 16.42 | Y180M-4 | 18.5 |
| | 34.3 | 18.55 | 17.05 | Y180L-4 | 22 |
| | 39.2 | 18.45 | 18.93 | Y180L-4 | 22 |
| | 44.1 | 18.35 | 20.70 | Y200L-4 | 30 |
| | 49 | 18.25 | 22.43 | Y200L-4 | 30 |
| | 53.9 | 18.15 | 24.23 | Y200L-4 | 30 |

Notes
1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

GEAROOT
IBÉRICA

# GRT-150

## Type GRT-150 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1240 | 58.8 | 18.05 | 25.83 | Y200L-4 | 30 |
| | 63.7 | 17.92 | 27.73 | Y225S-4 | 37 |
| | 68.6 | 17.75 | 29.55 | Y225S-4 | 37 |
| | 73.5 | 17.66 | 31.43 | Y225S-4 | 37 |
| | 78.4 | 17.53 | 33.17 | Y225S-4 | 37 |
| | 83.3 | 17.38 | 36.21 | Y225M-4 | 45 |
| | 88.2 | 17.23 | 39.98 | Y225M-4 | 45 |
| | 93.1 | 17.08 | 44.45 | Y250M-4 | 55 |
| | 98.0 | 16.93 | 47.78 | Y250M-4 | 55 |
| 1400 | 9.8 | 22.00 | 10.20 | Y160L-4 | 15 |
| | 14.7 | 21.85 | 12.12 | Y160L-4 | 15 |
| | 19.6 | 21.72 | 14.03 | Y180M-4 | 18.5 |
| | 24.5 | 21.53 | 15.93 | Y180M-4 | 18.5 |
| | 29.4 | 21.42 | 17.92 | Y180L-4 | 22 |
| | 34.3 | 21.32 | 19.92 | Y200L-4 | 30 |
| | 39.2 | 21.23 | 21.92 | Y200L-4 | 30 |
| | 44.1 | 21.17 | 23.83 | Y200L-4 | 30 |
| | 49 | 21.07 | 25.83 | Y200L-4 | 30 |
| | 53.9 | 20.95 | 27.93 | Y225S-4 | 37 |
| | 58.8 | 20.85 | 29.72 | Y225S-4 | 37 |
| | 63.7 | 20.76 | 33.34 | Y225S-4 | 37 |
| | 68.6 | 20.63 | 35.85 | Y225M-4 | 45 |
| | 73.5 | 20.45 | 37.97 | Y225M-4 | 45 |
| | 78.4 | 20.33 | 40.13 | Y225M-4 | 45 |
| | 83.3 | 20.18 | 43.00 | Y250M-4 | 55 |
| | 88.2 | 20.03 | 46.10 | Y205M-4 | 55 |
| | 93.1 | 19.88 | 49.80 | Y250M-4 | 55 |
| | 98.0 | 19.72 | 52.00 | Y180S-4 | 75 |
| 1470 * | 9.8 | 23.93 | 11.65 | Y160L-4 | 15 |
| | 14.7 | 23.04 | 13.38 | Y180M-4 | 18.5 |
| | 19.6 | 22.87 | 15.41 | Y180M-4 | 18.5 |
| | 24.5 | 22.77 | 17.43 | Y180L-4 | 22 |
| | 29.4 | 22.65 | 19.51 | Y180 L-4 | 30 |
| | 34.3 | 22.56 | 21.59 | Y200L-4 | 30 |
| | 39.2 | 22.48 | 23.82 | Y200L-4 | 30 |
| | 44.1 | 22.39 | 25.84 | Y200L-4 | 30 |
| | 49 | 22.30 | 27.97 | Y225S-4 | 27 |
| | 53.9 | 22.15 | 30.20 | Y225S-4 | 37 |
| | 58.8 | 22.09 | 32.33 | Y225S-4 | 37 |
| | 63.7 | 21.92 | 34.57 | Y225M-4 | 15 |
| | 68.6 | 21.82 | 36.92 | Y225M-4 | 45 |
| | 73.5 | 21.69 | 39.12 | Y225M-4 | 45 |
| | 78.4 | 21.52 | 40.13 | Y225M-4 | 45 |
| | 83.3 | 21.40 | 44.80 | Y250M-4 | 55 |
| | 88.2 | 21.24 | 47.10 | Y250M-4 | 55 |
| | 93.1 | 21.08 | 50.90 | Y250M-4 | 55 |
| | 98.0 | 20.92 | 54.00 | Y280S-4 | 75 |
| 1620 | 9.8 | 25.42 | 13.40 | Y160L-4 | 15 |
| | 14.7 | 25.32 | 15.62 | Y180M-4 | 18.5 |
| | 19.6 | 25.13 | 18.02 | Y180L-4 | 22 |
| | 24.5 | 25.02 | 20.42 | T200L-4 | 30 |
| | 29.4 | 24.84 | 22.62 | Y200L-4 | 30 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1620 | 34.3 | 24.74 | 25.03 | Y200L-4 | 30 |
| | 39.2 | 24.66 | 27.43 | Y225S-4 | 37 |
| | 44.1 | 24.55 | 29.63 | Y225S-4 | 37 |
| | 49 | 24.45 | 32.07 | Y225S-4 | 37 |
| | 53.9 | 24.32 | 34.42 | Y225M-4 | 45 |
| | 58.8 | 24.25 | 36.93 | Y225M-4 | 45 |
| | 63.7 | 24.12 | 40.07 | Y225M-4 | 45 |
| | 68.6 | 24.04 | 43.32 | Y250M-4 | 55 |
| | 73.5 | 23.85 | 45.83 | Y250M-4 | 55 |
| | 78.4 | 23.73 | 48.25 | Y250M-4 | 55 |
| | 83.3 | 23.58 | 51.10 | Y250M-4 | 55 |
| | 88.2 | 23.42 | 54.00 | Y280S-4 | 75 |
| | 93.1 | 23.26 | 57.80 | Y280S-4 | 75 |
| | 98.0 | 23.10 | 60.10 | Y280S-4 | 75 |
| 1730 | 9.8 | 27.15 | 15.30 | Y180M-4 | 18.5 |
| | 14.7 | 26.94 | 17.63 | Y180L-4 | 22 |
| | 19.6 | 26.73 | 20.22 | Y200L-4 | 30 |
| | 24.5 | 26.63 | 22.92 | Y200L-4 | 30 |
| | 29.4 | 26.48 | 25.32 | Y200L-4 | 30 |
| | 34.3 | 26.35 | 27.92 | Y225S-4 | 37 |
| | 39.2 | 26.27 | 30.42 | Y225S-4 | 37 |
| | 44.1 | 26.15 | 33.03 | Y225S-4 | 37 |
| | 49 | 26.05 | 35.53 | Y225M-4 | 45 |
| | 53.9 | 25.95 | 38.02 | Y225M-4 | 45 |
| | 58.8 | 25.85 | 40.82 | Y225M-4 | 45 |
| | 63.7 | 25.76 | 44.85 | Y250M-4 | 55 |
| | 68.6 | 25.64 | 47.63 | Y250M-4 | 55 |
| | 73.5 | 25.45 | 50.27 | Y250M-4 | 55 |
| | 78.4 | 25.32 | 52.95 | Y280S-4 | 75 |
| | 83.3 | 25.17 | 55.95 | Y280S-4 | 75 |
| | 88.2 | 25.02 | 58.10 | Y280S-4 | 75 |
| | 93.1 | 24.86 | 61.00 | Y280S-4 | 75 |
| | 98.0 | 24.70 | 65.00 | Y280S-4 | 75 |
| 1900 | 9.8 | 29.61 | 20.57 | Y200L-4 | 30 |
| | 14.7 | 29.48 | 22.53 | Y200L-4 | 30 |
| | 19.6 | 29.35 | 24.40 | Y200L-4 | 30 |
| | 24.5 | 29.24 | 26.62 | Y200L-4 | 30 |
| | 29.4 | 29.15 | 28.94 | Y225S-4 | 37 |
| | 34.3 | 29.03 | 31.76 | Y225S-4 | 37 |
| | 39.2 | 28.96 | 34.54 | Y225M-4 | 45 |
| | 44.1 | 28.84 | 37.48 | Y225M-4 | 45 |
| | 49 | 28.73 | 40.32 | Y225M-4 | 45 |
| | 53.9 | 28.63 | 42.66 | Y250M-4 | 55 |
| | 58.8 | 28.54 | 46.14 | Y250M-4 | 55 |
| | 6.,7 | 28.35 | 47.83 | Y500M-4 | 55 |
| | 68.6 | 28.15 | 50.54 | Y250M-4 | 55 |
| | 73.5 | 27.97 | 53.35 | Y280S-4 | 75 |
| | 78.4 | 27.92 | 56.43 | Y280S-4 | 75 |
| | 83.3 | 27.76 | 59.23 | Y280S-4 | 75 |
| | 88.2 | 27.59 | 62.01 | Y280S-4 | 75 |
| | 93.1 | 27.42 | 65.30 | Y280S-4 | 75 |
| | 98.0 | 27.26 | 69.01 | Y280S-4 | 75 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-175

## Type GRT-175 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 970 * | 9.8 | 22.78 | 7.20 | Y160M-4 | 11 |
| | 14.7 | 22.20 | 10.19 | Y160M-4 | 15 |
| | 19.6 | 21.63 | 11.25 | Y160M-4 | 15 |
| | 24.5 | 24.13 | 13.35 | Y160M-4 | 15 |
| | 29.4 | 21.05 | 15.45 | Y180M-4 | 18.5 |
| | 34.3 | 20.85 | 17.57 | Y180L-4 | 22 |
| | 39.2 | 20.53 | 19.65 | Y180L-4 | 22 |
| | 44.1 | 20.21 | 21.75 | Y200L-4 | 30 |
| | 49 | 20.12 | 23.87 | Y200L-4 | 30 |
| | 53.9 | 19.83 | 26.03 | Y200L-4 | 30 |
| | 58.8 | 19.65 | 28.14 | Y225S-4 | 37 |
| 1110 | 9.8 | 26.75 | 8.91 | Y160M-4 | 11 |
| | 14.7 | 26.54 | 11.94 | Y160L-4 | 15 |
| | 19.6 | 26.33 | 13.14 | Y160L-4 | 15 |
| | 24.5 | 25.83 | 15.53 | Y180M-4 | 18.5 |
| | 29.4 | 25.64 | 17.93 | Y180L-4 | 22 |
| | 24.3 | 25.24 | 20.33 | Y180L-4 | 22 |
| | 39.2 | 24.83 | 22.73 | Y200L-4 | 30 |
| | 44.1 | 24.55 | 25.10 | Y200L-4 | 30 |
| | 49 | 24.23 | 27.53 | Y200L-4 | 30 |
| | 54.9 | 24.07 | 29.93 | Y225S-4 | 37 |
| | 58.8 | 23.95 | 32.33 | Y225S-4 | 37 |
| 1180 | 9.8 | 28.65 | 9.87 | Y160M-4 | 11 |
| | 14.7 | 28.50 | 12.54 | Y160L-4 | 15 |
| | 19.6 | 28.85 | 13.84 | Y180M-4 | 18.5 |
| | 24.5 | 27.96 | 16.35 | Y180M-4 | 18.5 |
| | 29.4 | 27.55 | 18.95 | Y180L-4 | 22 |
| | 34.3 | 27.17 | 21.47 | Y200L-4 | 30 |
| | 39.2 | 26.83 | 24.07 | Y200L-4 | 30 |
| | 44.1 | 26.57 | 26.63 | Y200L-4 | 30 |
| | 49 | 26.34 | 29.15 | Y225S-4 | 37 |
| | 53.9 | 26.15 | 31.74 | Y225S-4 | 37 |
| | 58.8 | 25.95 | 34.26 | Y225S-4 | 37 |
| 1240 | 9.8 | 30.25 | 10.65 | Y160L-4 | 15 |
| | 14.7 | 30.10 | 13.43 | Y160L-4 | 15 |
| | 19.6 | 29.94 | 14.75 | Y180M-4 | 18.5 |
| | 24.5 | 29.53 | 17.47 | Y180L-4 | 22 |
| | 29.4 | 29.13 | 20.16 | Y180L-4 | 22 |
| | 34.3 | 28.85 | 22.85 | Y200L-4 | 30 |
| | 39.2 | 28.55 | 25.54 | Y200L-4 | 30 |
| | 44.1 | 28.27 | 28.24 | Y225S-4 | 37 |
| | 49 | 28.05 | 30.93 | Y225S-4 | 37 |
| | 53.9 | 27.84 | 33.56 | Y225S--4 | 37 |
| | 58.8 | 27.63 | 36.26 | Y225M-4 | 45 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1400 | 9.8 | 34.22 | 12.75 | Y160L-4 | 15 |
| | 14.7 | 33.93 | 16.70 | Y180L-4 | 22 |
| | 19.6 | 33.65 | 18.54 | Y180L-4 | 22 |
| | 24.5 | 33.35 | 21.65 | Y200L-4 | 30 |
| | 29.4 | 33.26 | 25.54 | Y200L-4 | 30 |
| | 34.3 | 32.83 | 27.57 | Y200L-4 | 30 |
| | 39.2 | 32.55 | 30.64 | Y225S-4 | 37 |
| | 44.1 | 32.33 | 33.63 | Y225S-4 | 37 |
| | 49 | 32.03 | 36.65 | Y225M-4 | 45 |
| | 53.9 | 31.82 | 39.71 | Y225M-4 | 45 |
| | 58.8 | 31.62 | 42.76 | Y250M-4 | 55 |
| 1460 * | 9.8 | 35.43 | 14.47 | Y180M-4 | 18.5 |
| | 14.7 | 35.24 | 17.25 | Y180L-4 | 22 |
| | 19.6 | 35.04 | 19.09 | Y180L-4 | 22 |
| | 24.5 | 34.69 | 22.25 | Y200L-4 | 30 |
| | 29.4 | 34.50 | 25.39 | Y200L-4 | 30 |
| | 24.3 | 34.09 | 28.55 | Y225S-4 | 37 |
| | 39.2 | 33.86 | 31.74 | Y225S-4 | 37 |
| | 44.1 | 33.64 | 34.85 | Y225M-4 | 45 |
| | 49 | 33.34 | 38.01 | Y225M-4 | 45 |
| | 54.9 | 33.18 | 41.46 | Y225M-4 | 45 |
| | 58.8 | 32.94 | 44.36 | Y250M-4 | 55 |
| 1520 | 9.8 | 36.65 | 15.96 | Y180M-4 | 18.5 |
| | 14.7 | 36.54 | 17.80 | Y180L-4 | 22 |
| | 19.6 | 36.43 | 19.64 | Y180L-4 | 22 |
| | 24.5 | 36.03 | 22.94 | Y200L-4 | 30 |
| | 29.4 | 35.73 | 26.23 | Y200L-4 | 30 |
| | 34.3 | 35.35 | 29.52 | Y225S-4 | 37 |
| | 39.2 | 35.17 | 32.83 | Y225S-4 | 37 |
| | 44.1 | 34.95 | 36.07 | Y225M-4 | 45 |
| | 49 | 34.65 | 39.37 | Y225M-4 | 45 |
| | 53.9 | 34.53 | 43.65 | Y250M-4 | 55 |
| | 58.8 | 34.25 | 45.95 | Y250M-4 | 55 |
| 1620 | 9.8 | 38.67 | 19.39 | Y180L-4 | 22 |
| | 14.7 | 38.52 | 21.13 | Y200L-4 | 30 |
| | 19.6 | 38.36 | 22.87 | Y200L-4 | 30 |
| | 24.5 | 38.03 | 26.43 | Y200L-4 | 30 |
| | 29.4 | 37.84 | 29.94 | Y225S-4 | 37 |
| | 34.3 | 37.43 | 33.42 | Y225S-4 | 37 |
| | 39.2 | 37.15 | 36.96 | Y225M-4 | 45 |
| | 44.1 | 36.96 | 40.43 | Y225M-4 | 45 |
| | 49 | 36.65 | 43.95 | Y250M-4 | 55 |
| | 53.9 | 36.55 | 47.45 | Y250M--4 | 55 |
| | 58.8 | 36.35 | 50.97 | Y250M-4 | 55 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-200B

## Type GRT-200B three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 740 * | 9.8 | 22.73 | 10.15 | Y160L-4 | 15 |
| | 14.7 | 22.42 | 10.70 | Y160L-4 | 15 |
| | 19.6 | 22.13 | 11.25 | Y160L-4 | 15 |
| | 24.5 | 21.59 | 13.35 | Y160L-4 | 15 |
| | 29.4 | 21.05 | 15.46 | Y180M-4 | 18.5 |
| | 34.3 | 20.69 | 17.85 | Y180L-4 | 22 |
| | 39.2 | 20.53 | 19.65 | Y180L-4 | 22 |
| | 44.1 | 20.30 | 21.97 | Y200L-4 | 30 |
| | 49 | 20.12 | 23.87 | Y200L-4 | 30 |
| | 53.9 | 19.86 | 26.17 | Y200L-4 | 30 |
| | 58.8 | 19.65 | 28.14 | Y225S-4 | 37 |
| | 63.7 | 19.44 | 30.14 | Y225S-4 | 37 |
| | 68.6 | 19.23 | 32.46 | Y225S-4 | 37 |
| | 73.5 | 19.02 | 34.78 | Y225M-4 | 45 |
| | 78.4 | 18.81 | 37.10 | Y225M-4 | 45 |
| | 89.3 | 18.60 | 39.42 | Y225M-4 | 45 |
| | 88.2 | 18.40 | 41.74 | Y250M-4 | 55 |
| | 98.1 | 18.19 | 44.06 | Y250M-4 | 55 |
| | 98.0 | 17.96 | 46.38 | Y250M-4 | 55 |
| 860 | 9.8 | 26.70 | 10.78 | Y160L-4 | 15 |
| | 14.7 | 26.50 | 11.92 | Y160L-4 | 15 |
| | 19.6 | 26.33 | 13.14 | Y160L-4 | 15 |
| | 24.5 | 25.90 | 15.52 | Y180M-4 | 18.5 |
| | 29.4 | 25.64 | 17.93 | Y180L-4 | 22 |
| | 34.3 | 25.20 | 19.89 | Y180L4 | 22 |
| | 39.2 | 24.83 | 22.73 | Y200L-4 | 30 |
| | 44.1 | 24.51 | 25.12 | Y200L-4 | 30 |
| | 49 | 24.23 | 27.53 | Y200L-4 | 30 |
| | 53.9 | 24.06 | 29.92 | Y225S-4 | 37 |
| | 58.8 | 23.95 | 32.33 | Y225S-4 | 37 |
| | 63.7 | 23.84 | 37.74 | Y225M4 | 45 |
| | 68.6 | 23.73 | 31.29 | Y225M-4 | 45 |
| | 73.5 | 23.62 | 39.95 | Y225M-4 | 45 |
| | 78.4 | 23.51 | 42.62 | Y250M-4 | 55 |
| | 83.3 | 23.36 | 45.28 | Y250M-4 | 55 |
| | 88.2 | 23.21 | 47.94 | Y250M-4 | 55 |
| | 93.1 | 23.05 | 50.61 | Y280S-4 | 55 |
| | 98.0 | 22.89 | 53.27 | Y280S-4 | 75 |
| 940 | 9.8 | 28.68 | 11.02 | Y160L-4 | 15 |
| | 14.7 | 28.50 | 12.25 | Y160L-4 | 15 |
| | 19.6 | 28.35 | 13.84 | Y180M-4 | 18.5 |
| | 24.5 | 27.85 | 16.24 | Y180M-4 | 18.5 |
| | 29.4 | 27.55 | 18.95 | Y180L-4 | 22 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 900 | 31.3 | 27.12 | 22.35 | Y200L-4 | 30 |
| | 39.2 | 26.83 | 24.07 | Y200L-4 | 30 |
| | 14.1 | 36.56 | 27.89 | Y200L-4 | 30 |
| | 19 | 26.34 | 29.15 | Y225S-4 | 37 |
| | 53.9 | 26.10 | 32.08 | Y225S-4 | 37 |
| | 58.8 | 25.95 | 34.26 | Y225S-4 | 37 |
| | 69.7 | 25.80 | 36.66 | Y225M-4 | 45 |
| | 68.6 | 25.65 | 39.48 | Y225M-4 | 45 |
| | 73.5 | 25.50 | 42.30 | Y250M-4 | 55 |
| | 78.4 | 25.35 | 45.12 | Y250M-4 | 55 |
| | 83.3 | 25.20 | 47.94 | Y250M-4 | 55 |
| | 88.2 | 25.05 | 50.76 | Y250M-4 | 55 |
| | 93.1 | 24.90 | 53.58 | Y280S-4 | 75 |
| | 98.0 | 24.74 | 56.40 | Y280S-4 | 75 |
| 950 * | 9.8 | 30.92 | 12.29 | Y160L-4 | 15 |
| | 14.7 | 30.43 | 13.52 | Y160L-4 | 15 |
| | 19.6 | 29.94 | 14.75 | Y180M-4 | 18.5 |
| | 24.5 | 29.45 | 18.25 | Y180L-4 | 22 |
| | 29.4 | 29.13 | 20.16 | Y180L-4 | 22 |
| | 34.3 | 28.80 | 23.10 | Y200L-4 | 30 |
| | 39.2 | 28.55 | 25.54 | Y200L-4 | 30 |
| | 44.1 | 28.20 | 28.73 | Y225S-4 | 37 |
| | 49 | 28.05 | 30.93 | Y225S-4 | 37 |
| | 53.9 | 27.80 | 33.91 | Y225M-4 | 45 |
| | 58.8 | 27.63 | 36.26 | Y225M-4 | 45 |
| | 63.7 | 27.46 | 38.70 | Y225M-4 | 45 |
| | 68.6 | 27.29 | 41.68 | Y250M-4 | 55 |
| | 73.5 | 27.12 | 41.65 | Y250M-4 | 55 |
| | 78.1 | 26.95 | 47.63 | Y250M-4 | 55 |
| | 83.3 | 26.78 | 50.61 | Y250M-4 | 55 |
| | 88.2 | 26.61 | 53.58 | Y280S-4 | 75 |
| | 93.1 | 26.41 | 56.56 | Y280S-4 | 75 |
| | 98.0 | 25.27 | 59.54 | Y280S-4 | 75 |
| 1070 | 9.8 | 34.18 | 17.16 | Y180L-4 | 22 |
| | 14.7 | 33.90 | 17.85 | Y180L-4 | 22 |
| | 19.6 | 33.65 | 18.54 | Y180L-4 | 22 |
| | 24.5 | 33.40 | 22.10 | Y200L-4 | 30 |
| | 29.4 | 33.26 | 24.54 | Y200L-4 | 30 |
| | 34.3 | 32.88 | 28.75 | Y225S-4 | 37 |
| | 39.2 | 32.55 | 30.64 | Y225S-4 | 37 |
| | 44.1 | 32.28 | 34.01 | Y225M-4 | 45 |
| | 49 | 32.03 | 36.65 | Y225M-4 | 45 |
| | 53.9 | 31.79 | 39.85 | Y225M--4 | 45 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-200B

## Type GRT-200B three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1070 | 58.8 | 31.62 | 42.76 | Y250M-4 | 55 |
| | 63.7 | 32.45 | 45.67 | Y250M-4 | 55 |
| | 68.6 | 31.28 | 48.58 | Y250M-4 | 55 |
| | 73.5 | 31.11 | 51.59 | Y280S-4 | 75 |
| | 78.4 | 30.94 | 54.40 | Y280S-4 | 75 |
| | 83.3 | 30.77 | 57.30 | Y280S-4 | 75 |
| | 88.2 | 30.60 | 60.35 | Y280S-4 | 75 |
| | 93.1 | 30.43 | 63.70 | Y280S-4 | 75 |
| | 98.90 | 30.25 | 67.06 | Y280S-4 | 75 |
| 1160 | 9.8 | 36.98 | 17.45 | Y180L-4 | 22 |
| | 58.8 | 36.83 | 18.01 | Y180L-4 | 22 |
| | 19.6 | 36.43 | 19.64 | Y180L-4 | 22 |
| | 24.5 | 36.03 | 23.55 | Y200L-4 | 30 |
| | 29.1 | 35.73 | 26.23 | Y200L-4 | 30 |
| | 34.3 | 35.41 | 30.38 | Y225S-4 | 37 |
| | 39.2 | 35.17 | 32.83 | Y225S-4 | 37 |
| | 14.1 | 34.89 | 36.95 | Y225M-4 | 45 |
| | 49 | 34.65 | 39.37 | Y225M-4 | 45 |
| | 44.1 | 34.41 | 43.02 | Y225M-4 | 55 |
| | 58.8 | 34.25 | 45.95 | Y250M-4 | 55 |
| | 63.7 | 34.09 | 48.88 | Y250M-4 | 55 |
| | 68.6 | 33.93 | 51.81 | Y280S-4 | 75 |
| | 73.5 | 33.77 | 54.74 | Y280S-4 | 75 |
| | 78.1 | 33.61 | 58.16 | Y280S-4 | 75 |
| | 83.3 | 33.45 | 61.79 | Y280S-4 | 75 |
| | 88.2 | 33.29 | 65.43 | Y280S-4 | 75 |
| | 93.1 | 33.13 | 69.06 | Y280S-4 | 75 |
| | 98.0 | 32.96 | 72.70 | Y280M-4 | 90 |
| 1240 | 9.8 | 39.64 | 18.32 | Y180L-4 | 22 |
| | 14.7 | 39.01 | 20.25 | Y200L-4 | 30 |
| | 19.6 | 38.36 | 22.87 | Y200L-4 | 30 |
| | 24.5 | 38.05 | 28.58 | Y225S-4 | 37 |
| | 29.1 | 27.84 | 29.94 | Y225S-4 | 37 |
| | 34.3 | 37.19 | 33.87 | Y225M-4 | 45 |
| | 39.2 | 37.15 | 36.69 | Y225M-4 | 45 |
| | 44.1 | 36.80 | 40.18 | Y225M-4 | 45 |
| | 49 | 36.65 | 43.95 | Y250M-4 | 55 |
| | 53.9 | 36.44 | 47.30 | Y250M-4 | 55 |
| | 58.8 | 36.35 | 50.97 | Y250M-4 | 55 |
| | 63.7 | 36.26 | 54.64 | Y280S-4 | 75 |
| | 68.6 | 36.17 | 58.31 | Y280S-4 | 75 |
| | 73.5 | 36.08 | 61.98 | Y280S-4 | 75 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1240 | 78.4 | 35.99 | 65.65 | Y280S-4 | 75 |
| | 83.3 | 35.86 | 69.32 | Y280M-4 | 90 |
| | 88.2 | 35.72 | 72.99 | Y280M-4 | 90 |
| | 93.1 | 35.57 | 76.66 | Y280M-4 | 90 |
| | 98.0 | 35.41 | 80.33 | Y280M-4 | 90 |
| 1320 | 9.3 | 40.79 | 21.47 | Y200L-4 | 30 |
| | 14.7 | 40.49 | 23.25 | Y200L-4 | 30 |
| | 19.6 | 40.17 | 25.03 | Y225L-4 | 30 |
| | 22.5 | 39.85 | 30.01 | Y225S-4 | 37 |
| | 29.4 | 39.64 | 32.53 | Y225S-4 | 37 |
| | 34.3 | 39.38 | 37.98 | Y225M-4 | 45 |
| | 39.2 | 39.15 | 40.03 | Y225M-4 | 45 |
| | 44.1 | 98.91 | 45.12 | Y250M-4 | 55 |
| | 49 | 38.77 | 47.53 | Y250M-4 | 55 |
| | 53.9 | 38.61 | 52.61 | Y280S-4 | 75 |
| | 58.8 | 38.45 | 55.03 | Y280S-4 | 75 |
| | 63.7 | 38.29 | 57.45 | Y280S-4 | 75 |
| | 68.6 | 38.13 | 59.87 | Y280S-4 | 75 |
| | 73.5 | 37.97 | 62.29 | Y280S-4 | 75 |
| | 78.4 | 37.81 | 66.18 | Y280S-4 | 75 |
| | 83.3 | 37.65 | 70.32 | Y280S-4 | 75 |
| | 88.2 | 37.48 | 74.45 | Y280M-4 | 90 |
| | 93.1 | 37.31 | 78.59 | Y280M-4 | 90 |
| | 98.0 | 37.14 | 82.73 | Y280M-4 | 90 |
| 1450 | 9.8 | 44.80 | 23.58 | Y200L-4 | 30 |
| | 14.7 | 44.40 | 25.53 | Y200L-4 | 30 |
| | 19.6 | 44.12 | 27.49 | Y225S-4 | 37 |
| | 24.5 | 43.75 | 32.96 | Y225S-4 | 37 |
| | 29.4 | 43.51 | 35.73 | Y225M-4 | 45 |
| | 34.3 | 43.25 | 41.72 | Y250M-4 | 55 |
| | 39.2 | 43.00 | 43.97 | Y250M-4 | 55 |
| | 44.1 | 42.74 | 49.56 | Y250M-4 | 55 |
| | 49 | 42.55 | 52.21 | Y280S-4 | 75 |
| | 53.9 | 42.40 | 57.79 | Y280S-4 | 75 |
| | 58.8 | 42.23 | 60.44 | Y280S-4 | 75 |
| | 63.7 | 42.06 | 63.10 | Y280S-4 | 75 |
| | 68.6 | 41.85 | 65.76 | Y280S-4 | 75 |
| | 73.5 | 41.70 | 68.42 | Y280S-4 | 75 |
| | 78.4 | 41.50 | 72.80 | Y280M-4 | 90 |
| | 83.3 | 41.10 | 80.20 | Y280M-4 | 90 |
| | 88.2 | 40.70 | 84.90 | Y315S-4 | 110 |
| | 93.1 | 40.20 | 89.40 | Y315S-4 | 110 |
| | 98.0 | 39.70 | 93.80 | Y315S-4 | 110 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

GEAROOT
IBÉRICA

# GRT-200

## Type GRT-200 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 810 | 9.8 | 31.77 | 18.05 | Y160L-4 | 15 |
| | 14.7 | 31.17 | 11.26 | Y160L-4 | 15 |
| | 19.6 | 30.54 | 14.63 | Y180M-4 | 18.5 |
| | 24.5 | 29.95 | 17.62 | Y180L-4 | 22 |
| | 29.4 | 29.52 | 20.66 | Y200L-4 | 30 |
| | 34.3 | 29.23 | 23.86 | Y200L-4 | 30 |
| | 39.2 | 28.87 | 27.26 | Y200L-4 | 30 |
| | 44.1 | 28.55 | 30.67 | Y225S-4 | 37 |
| | 49 | 28.24 | 34.08 | Y225S-4 | 37 |
| | 53.9 | 27.93 | 37.49 | Y225M-4 | 45 |
| | 58.8 | 27.65 | 40.90 | Y225M-4 | 45 |
| | 63.7 | 27.26 | 44.31 | Y250M-4 | 55 |
| | 68.6 | 26.93 | 47.71 | Y250M-4 | 55 |
| | 73.5 | 26.62 | 51.12 | Y250M-4 | 55 |
| | 78.4 | 26.33 | 54.53 | Y280S-4 | 75 |
| | 89.3 | 26.12 | 57.94 | Y280S-4 | 75 |
| | 88.2 | 25.87 | 61.35 | Y280S-4 | 75 |
| | 93.1 | 25.61 | 64.75 | Y280S-4 | 75 |
| | 98.0 | 25.34 | 68.16 | Y280S-4 | 75 |
| 900 | 9.8 | 35.68 | 9.95 | Y160L-4 | 15 |
| | 14.7 | 35.01 | 13.41 | Y180M-4 | 18.5 |
| | 19.6 | 34.41 | 17.12 | Y180L-4 | 22 |
| | 24.5 | 34.01 | 20.42 | Y180L-4 | 22 |
| | 29.4 | 33.62 | 24.22 | Y200L-4 | 30 |
| | 34.3 | 33.34 | 27.55 | Y200L4 | 30 |
| | 39.2 | 33.03 | 30.95 | Y225S-4 | 37 |
| | 44.1 | 32.50 | 34.42 | Y225M-4 | 45 |
| | 49 | 32.36 | 37.87 | Y225M-4 | 45 |
| | 53.9 | 32.05 | 41.65 | Y225M-4 | 45 |
| | 58.8 | 31.73 | 45.44 | Y250M-4 | 55 |
| | 63.7 | 31.45 | 49.23 | Y250M-4 | 55 |
| | 68.6 | 31.15 | 53.01 | Y280S-4 | 75 |
| | 73.5 | 30.85 | 56.80 | Y280S-4 | 75 |
| | 78.4 | 30.54 | 60.59 | Y280S-4 | 75 |
| | 83.3 | 30.21 | 64.37 | Y280S-4 | 75 |
| | 88.2 | 29.90 | 68.16 | Y280S-4 | 75 |
| | 93.1 | 29.58 | 71.95 | Y280M-4 | 90 |
| | 98.0 | 29.26 | 75.74 | Y280M-4 | 90 |
| 980 * | 9.8 | 39.15 | 11.58 | Y160L-4 | 15 |
| | 14.7 | 38.52 | 15.52 | Y180M-4 | 18.5 |
| | 19.6 | 38.87 | 19.31 | Y180L-4 | 22 |
| | 24.5 | 37.62 | 22.91 | Y200L-4 | 30 |
| | 29.4 | 37.31 | 27.15 | Y200L-4 | 30 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 980 * | 34.3 | 37.07 | 30.76 | Y225S-4 | 37 |
| | 39.2 | 36.75 | 34.53 | Y225M-4 | 45 |
| | 44.1 | 36.44 | 38.25 | Y225M-4 | 45 |
| | 49 | 36.05 | 42.04 | Y250M-4 | 55 |
| | 53.9 | 35.60 | 45.55 | Y250M-4 | 55 |
| | 58.8 | 35.35 | 49.48 | Y250M-4 | 55 |
| | 63.7 | 35.05 | 53.60 | Y280S-4 | 75 |
| | 68.6 | 34.72 | 57.73 | Y280S-4 | 75 |
| | 73.5 | 34.38 | 61.85 | Y280S-4 | 75 |
| | 78.4 | 34.05 | 65.97 | Y280S-4 | 75 |
| | 83.3 | 33.80 | 70.10 | Y280S-4 | 75 |
| | 88.2 | 33.62 | 74.22 | Y280M-4 | 90 |
| | 93.1 | 33.27 | 78.34 | Y280M-4 | 90 |
| | 98.0 | 32.92 | 82.47 | Y280M-4 | 90 |
| 1070 | 9.8 | 43.03 | 13.46 | Y180M-4 | 18.5 |
| | 14.7 | 42.53 | 17.81 | Y180L-4 | 22 |
| | 19.6 | 42.03 | 21.22 | Y200L-4 | 30 |
| | 24.5 | 41.63 | 25.82 | Y200L-4 | 30 |
| | 29.4 | 41.43 | 30.12 | Y225S-4 | 37 |
| | 34.3 | 41.11 | 34.45 | Y225M-4 | 45 |
| | 39.2 | 40.95 | 38.66 | Y225M-4 | 45 |
| | 44.1 | 40.58 | 42.63 | Y250M-4 | 55 |
| | 49 | 40.17 | 46.84 | Y250M-4 | 55 |
| | 53.9 | 39.75 | 50.73 | Y250M-4 | 55 |
| | 58.8 | 39.45 | 54.97 | Y280S-4 | 75 |
| | 63.7 | 39.35 | 58.83 | Y280S-4 | 75 |
| | 68.6 | 39.13 | 63.73 | Y280S-4 | 75 |
| | 73.5 | 38.92 | 67.53 | Y280S-4 | 75 |
| | 78.4 | 38.75 | 72.03 | Y280M-4 | 90 |
| | 83.3 | 38.58 | 76.53 | Y280M-4 | 90 |
| | 88.2 | 38.37 | 81.04 | Y280M-4 | 90 |
| | 93.1 | 38.11 | 85.54 | Y280M-4 | 90 |
| | 98.0 | 37.90 | 90.04 | Y315S-4 | 110 |
| 1150 | 9.8 | 46.05 | 15.18 | Y180M-4 | 18.5 |
| | 14.7 | 46.01 | 19.92 | Y180L-4 | 22 |
| | 19.6 | 45.51 | 23.71 | Y200L-4 | 30 |
| | 24.5 | 45.31 | 28.12 | Y225S-4 | 37 |
| | 29.4 | 45.01 | 32.74 | Y225S-4 | 37 |
| | 34.3 | 44.82 | 37.24 | Y225M-4 | 45 |
| | 39.2 | 44.62 | 42.04 | Y250M-4 | 55 |
| | 44.1 | 44.23 | 46.64 | Y250M-4 | 55 |
| | 49 | 43.75 | 50.97 | Y250M-4 | 55 |
| | 53.9 | 43.44 | 55.07 | Y280S--4 | 75 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-200

## Type GRT-200 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1070 | 58.8 | 43.18 | 59.76 | Y280S-4 | 75 |
| | 63.7 | 43.03 | 64.33 | Y280S-4 | 75 |
| | 68.6 | 42.74 | 68.63 | Y280S-4 | 75 |
| | 73.5 | 42.45 | 73.34 | Y280M-4 | 90 |
| | 78.4 | 42.25 | 77.66 | Y280M-4 | 90 |
| | 83.3 | 42.03 | 82.26 | Y280M-4 | 90 |
| | 88.2 | 41.81 | 87.10 | Y315S-4 | 110 |
| | 93.1 | 41.63 | 91.93 | Y315S-4 | 110 |
| | 98.0 | 41.45 | 96.77 | Y315S-4 | 110 |
| 1160 | 9.8 | 49.60 | 17.07 | Y180L-4 | 22 |
| | 14.7 | 49.13 | 21.91 | Y200L-4 | 30 |
| | 19.6 | 48.72 | 26.42 | Y200L-4 | 30 |
| | 24.5 | 48.42 | 31.23 | Y225S-4 | 37 |
| | 29.4 | 48.23 | 36.22 | Y225M-4 | 45 |
| | 34.3 | 48.11 | 41.23 | Y225M-4 | 45 |
| | 39.2 | 47.71 | 46.02 | Y250M-4 | 55 |
| | 14.1 | 47.41 | 50.72 | Y250M-4 | 55 |
| | 49 | 47.01 | 55.52 | Y280S-4 | 75 |
| | 53.9 | 46.82 | 59.81 | Y280S-4 | 75 |
| | 58.8 | 46.62 | 64.81 | Y280S-4 | 75 |
| | 63.7 | 46.41 | 69.32 | Y280S-4 | 75 |
| | 68.6 | 46.21 | 74.22 | Y280M-4 | 90 |
| | 73.5 | 46.02 | 78.81 | Y280M-4 | 90 |
| | 78.4 | 45.83 | 83.52 | Y280M-4 | 90 |
| | 83.3 | 45.60 | 87.98 | Y315S-4 | 110 |
| | 88.2 | 45.42 | 93.15 | Y315S-4 | 110 |
| | 93.1 | 45.20 | 98.33 | Y315S-4 | 110 |
| | 98.0 | 45.00 | 103.50 | Y315S-4 | 110 |
| 1240 | 9.8 | 52.67 | 19.65 | Y180L-4 | 22 |
| | 14.7 | 52.21 | 24.32 | Y200L-4 | 30 |
| | 19.6 | 51.81 | 29.23 | Y225S-4 | 37 |
| | 24.5 | 51.51 | 34.21 | Y225S-4 | 37 |
| | 29.4 | 51.32 | 39.62 | Y225M-4 | 45 |
| | 34.3 | 51.13 | 44.81 | Y250M-4 | 55 |
| | 39.2 | 50.92 | 50.11 | Y250M-4 | 55 |
| | 44.1 | 50.62 | 55.02 | Y280S-4 | 75 |
| | 49 | 50.42 | 59.91 | Y280S-4 | 75 |
| | 53.9 | 50.13 | 64.52 | Y280S-4 | 75 |
| | 58.8 | 49.81 | 69.72 | Y280S-4 | 75 |
| | 63.7 | 49.72 | 74.81 | Y280M-4 | 90 |
| | 68.6 | 49.53 | 79.71 | Y280M-4 | 90 |
| | 73.5 | 49.32 | 84.72 | Y315S-4 | 110 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1240 | 78.4 | 49.11 | 89.76 | Y315S-4 | 110 |
| | 83.3 | 48.90 | 93.70 | Y315M-4 | 110 |
| | 88.2 | 48.68 | 99.21 | Y315M-4 | 110 |
| | 93.1 | 48.41 | 104.72 | Y315M-4 | 132 |
| | 98.0 | 48.25 | 110.24 | Y315M-4 | 132 |
| 1320 | 9.8 | 55.77 | 21.31 | Y200L-4 | 30 |
| | 14.7 | 55.33 | 26.61 | Y200L-4 | 30 |
| | 19.6 | 54.93 | 31.82 | Y225S-4 | 37 |
| | 24.5 | 54.73 | 37.41 | Y225M-4 | 45 |
| | 29.4 | 54.41 | 42.92 | Y250M-4 | 55 |
| | 34.3 | 54.31 | 48.53 | Y250M-4 | 55 |
| | 39.2 | 54.12 | 54.22 | Y280S-4 | 75 |
| | 44.1 | 53.93 | 59.21 | Y280S-4 | 75 |
| | 49 | 53.60 | 64.42 | Y280S-4 | 75 |
| | 53.9 | 53.42 | 69.11 | Y280S-4 | 75 |
| | 58.8 | 53.22 | 74.62 | Y280M-4 | 90 |
| | 63.7 | 53.03 | 79.65 | Y280M-4 | 90 |
| | 68.6 | 52.82 | 84.91 | Y315S-4 | 110 |
| | 73.5 | 52.71 | 90.24 | Y315S-4 | 110 |
| | 78.4 | 52.52 | 96.55 | Y315S-4 | 110 |
| | 83.3 | 52.35 | 99.42 | Y315S-4 | 110 |
| | 88.2 | 52.10 | 105.27 | Y315M-4 | 132 |
| | 93.1 | 51.90 | 111.12 | Y315M-4 | 132 |
| | 98.0 | 51.72 | 116.97 | Y315M-4 | 132 |
| 1450 | 9.8 | 59.20 | 23.80 | Y200L-4 | 30 |
| | 14.7 | 58.81 | 28.92 | Y225S-4 | 37 |
| | 19.6 | 58.41 | 34.32 | Y225S-4 | 37 |
| | 24.5 | 58.21 | 40.41 | Y225M-4 | 45 |
| | 29.4 | 58.03 | 46.52 | Y250M-4 | 55 |
| | 34.3 | 57.82 | 52.33 | Y280S-4 | 75 |
| | 39.2 | 57.71 | 58.11 | Y280S-4 | 75 |
| | 44.1 | 57.51 | 63.62 | Y280S-4 | 75 |
| | 49 | 57.36 | 68.92 | Y280S-4 | 75 |
| | 53.9 | 57.22 | 74.22 | Y280M-4 | 90 |
| | 58.8 | 57.14 | 80.12 | Y280M-4 | 90 |
| | 63.7 | 56.92 | 85.61 | Y315S-4 | 110 |
| | 68.6 | 56.82 | 91.32 | Y315S-4 | 110 |
| | 73.5 | 56.71 | 96.7 | Y315S-4 | 110 |
| | 78.4 | 56.53 | 102.40 | Y315S-4 | 110 |
| | 83.3 | 56.21 | 106.30 | Y315M-4 | 132 |
| | 88.2 | 56.10 | 112.09 | Y315M-4 | 132 |
| | 93.1 | 55.75 | 118.32 | Y315M-4 | 132 |
| | 98.0 | 55.40 | 124.54 | Y315L1-4 | 160 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

# GRT-250B

## Type GRT-250B three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | 9.8 | 57.74 | 19.97 | Y200L-4 | 30 |
| | 14.7 | 57.26 | 26.94 | Y200L-4 | 30 |
| | 19.6 | 56.90 | 32.37 | Y225S-4 | 37 |
| | 24.5 | 56.65 | 37.84 | Y225M-4 | 45 |
| | 29.4 | 56.42 | 43.89 | Y250M-4 | 55 |
| | 34.3 | 56.22 | 49.65 | Y250M-4 | 55 |
| | 39.2 | 55.99 | 55.52 | Y280S-4 | 75 |
| | 44.1 | 55.65 | 60.95 | Y280S-4 | 75 |
| | 49 | 55.42 | 66.39 | Y280S-4 | 75 |
| | 53.9 | 55.13 | 71.50 | Y280M-4 | 90 |
| | 58.8 | 54.77 | 77.25 | Y280M-4 | 90 |
| 1160 | 9.8 | 60.89 | 22.96 | Y200L-4 | 30 |
| | 14.7 | 60.39 | 28.41 | Y225S-4 | 37 |
| | 19.6 | 60.01 | 34.14 | Y225M-4 | 45 |
| | 24.5 | 59.74 | 39.91 | Y225M-4 | 45 |
| | 29.4 | 59.51 | 46.29 | Y250M-4 | 55 |
| | 34.3 | 59.30 | 52.36 | Y280S-4 | 75 |
| | 39.2 | 59.05 | 58.55 | Y280S-4 | 75 |
| | 44.1 | 58.69 | 64.28 | Y280S-4 | 75 |
| | 49 | 58.46 | 70.02 | Y280S-4 | 75 |
| | 53.9 | 58.14 | 75.40 | Y280M-4 | 90 |
| | 58.8 | 57.76 | 81.47 | Y280M-4 | 90 |
| 1210 | 9.8 | 63.52 | 23.95 | Y200L-4 | 30 |
| | 14.7 | 63.00 | 29.64 | Y225S-4 | 37 |
| | 19.6 | 62.60 | 35.62 | Y225M-4 | 45 |
| | 24.5 | 62.32 | 41.64 | Y250M-4 | 55 |
| | 29.4 | 62.08 | 48.29 | Y250M-4 | 55 |
| | 34.3 | 61.86 | 54.62 | Y280S-4 | 75 |
| | 39.2 | 61.60 | 61.08 | Y280S-4 | 75 |
| | 44.1 | 61.23 | 67.06 | Y280S-4 | 75 |
| | 49 | 60.99 | 73.04 | Y280M-4 | 90 |
| | 53.9 | 60.65 | 78.65 | Y280M-4 | 90 |
| | 58.8 | 60.25 | 84.99 | Y315S-4 | 110 |
| 1260 | 9.8 | 66.15 | 24.94 | Y280L-4 | 30 |
| | 14.7 | 65.61 | 30.87 | Y225S-4 | 37 |
| | 19.6 | 65.19 | 37.10 | Y225M-4 | 45 |
| | 24.5 | 64.90 | 43.37 | Y250M-4 | 55 |
| | 29.4 | 64.65 | 50.29 | Y250M-4 | 55 |
| | 34.3 | 64.42 | 56.88 | Y280S-4 | 75 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1260 | 39.2 | 64.15 | 63.61 | Y280S-4 | 75 |
| | 44.1 | 63.77 | 69.84 | Y280S-4 | 75 |
| | 49 | 63.52 | 76.06 | Y280M-4 | 90 |
| | 53.9 | 63.16 | 81.90 | Y280M-4 | 90 |
| | 58.8 | 62.75 | 88.51 | Y315S-4 | 110 |
| 1310 | 9.8 | 68.78 | 25.93 | Y200L-4 | 30 |
| | 14.7 | 68.22 | 32.10 | Y225S-4 | 37 |
| | 19.6 | 67.78 | 38.58 | Y225M-4 | 45 |
| | 24.5 | 67.48 | 45.15 | Y250M-4 | 55 |
| | 29.4 | 67.22 | 52.29 | Y280S-4 | 75 |
| | 34.3 | 66.98 | 59.14 | Y280S-4 | 75 |
| | 39.2 | 66.70 | 66.14 | Y280S-4 | 75 |
| | 44.1 | 66.31 | 72.62 | Y280M-4 | 90 |
| | 49 | 66.05 | 79.08 | Y280M-4 | 90 |
| | 53.9 | - | - | - | - |
| | 58.8 | - | - | - | - |
| 1390 | 9.8 | 72.83 | 28.12 | Y225S-4 | 37 |
| | 14.7 | 72.35 | 34.98 | Y225M-4 | 45 |
| | 19.6 | 71.85 | 42.00 | Y250M-4 | 55 |
| | 24.5 | 71.61 | 49.38 | Y250M-4 | 55 |
| | 29.4 | 71.38 | 56.65 | Y280S-4 | 75 |
| | 34.3 | 71.13 | 64.05 | Y280S-4 | 75 |
| | 39.2 | 70.98 | 71.57 | Y280S-4 | 75 |
| | 44.1 | 70.74 | 78.15 | Y280M-4 | 90 |
| | 49 | 70.57 | 85.03 | Y280M-4 | 90 |
| | 53.9 | - | - | - | - |
| | 58.8 | - | - | - | - |
| 1480 | 9.8 | 77.55 | 31.41 | Y225S-4 | 37 |
| | 14.7 | 77.04 | 38.17 | Y225M-4 | 45 |
| | 19.6 | 76.51 | 45.30 | Y250M-4 | 55 |
| | 24.5 | 76.25 | 53.34 | Y280S-4 | 75 |
| | 29.4 | 76.01 | 61.40 | Y280S-4 | 75 |
| | 34.3 | 75.74 | 69.07 | Y280S-4 | 75 |
| | 39.2 | 75.60 | 76.70 | Y280M-4 | 90 |
| | 44.1 | 75.33 | 83.97 | Y280M-4 | 90 |
| | 49 | 75.14 | 90.97 | Y315S-4 | 110 |
| | 53.9 | - | - | - | - |
| | 58.8 | - | - | - | - |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-250

## Type GRT-250 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 990 * | 9.8 | 63.50 | Y225S-4 | 37 |
| | 14.7 | 63.30 | Y225S-4 | 37 |
| | 19.6 | 63.10 | Y225S-4 | 37 |
| | 24.5 | 62.90 | Y225M-4 | 45 |
| | 29.4 | 62.70 | Y250M-4 | 55 |
| | 34.3 | 62.50 | Y280S-4 | 75 |
| | 39.2 | 68.20 | Y280S-4 | 75 |
| | 44.1 | 62.00 | Y280S-4 | 75 |
| | 49 | 61.80 | Y280S-4 | 75 |
| | 53.9 | 61.60 | Y280M-4 | 90 |
| | 58.8 | 61.40 | Y280M-4 | 90 |
| | 63.7 | 61.20 | Y315S-4 | 110 |
| | 68.6 | 61.00 | Y315S-4 | 110 |
| | 73.5 | 59.90 | Y315M-4 | 132 |
| | 78.4 | 59.80 | Y315M-4 | 132 |
| | 83.3 | 59.20 | Y315M-4 | 132 |
| | 88.2 | 58.80 | Y315M-4 | 132 |
| | 93.1 | 58.30 | Y315M-4 | 160 |
| | 98.0 | 58.00 | Y315L1-4 | 160 |
| 1170 | 9.8 | 74.70 | Y225S-4 | 37 |
| | 14.7 | 74.50 | Y225S-4 | 37 |
| | 19.6 | 74.30 | Y250M-4 | 55 |
| | 24.5 | 74.00 | Y250M-4 | 55 |
| | 29.4 | 73.60 | Y250M-4 | 55 |
| | 34.3 | 73.10 | Y280S-4 | 75 |
| | 39.2 | 72.70 | Y280S-4 | 75 |
| | 44.1 | 72.30 | Y280M-4 | 90 |
| | 34.3 | 71.13 | Y280S-4 | 75 |
| | 53.9 | 71.70 | Y315S-4 | 110 |
| | 58.8 | 71.30 | Y315S-4 | 110 |
| | 63.7 | 71.00 | Y315M-4 | 132 |
| | 68.6 | 69.60 | Y315M-4 | 132 |
| | 73.5 | 69.40 | Y315M-4 | 132 |
| | 78.4 | 69.00 | Y315M-4 | 132 |
| | 83.3 | 68.60 | Y315L1-4 | 160 |
| | 88.2 | 68.20 | Y315L1-4 | 160 |
| | 93.1 | 67.70 | Y315L1-4 | 160 |
| | 98.0 | 67.10 | Y315L3-4 | 185 |
| 1250 | 9.8 | 80.20 | Y225M-4 | 45 |
| | 14.7 | 79.90 | Y225M-4 | 45 |
| | 19.6 | 79.60 | Y225M-4 | 45 |
| | 24.5 | 79.20 | Y250M-4 | 55 |
| | 29.4 | 78.80 | Y280S-4 | 75 |
| | 34.3 | 78.50 | Y280S-4 | 75 |
| | 39.2 | 78.20 | Y280S-4 | 75 |
| | 44.1 | 77.90 | Y280M-4 | 90 |
| | 49 | 77.40 | Y280M-4 | 90 |
| | 53.9 | 77.10 | Y315S-4 | 110 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 1250 | 58.8 | 76.80 | Y315M-4 | 132 |
| | 63.7 | 76.40 | Y315M-4 | 132 |
| | 68.6 | 76.00 | Y315M-4 | 132 |
| | 73.5 | 75.60 | Y315L1-4 | 160 |
| | 78.4 | 75.10 | Y315L1-4 | 160 |
| | 83.3 | 74.50 | Y315L1-4 | 160 |
| | 88.2 | 74.10 | Y315L1-4 | 160 |
| | 93.1 | 73.40 | Y315L3-4 | 185 |
| | 98.0 | 73.00 | Y315L3-4 | 185 |
| 1360 | 9.8 | 89.50 | Y225M-4 | 45 |
| | 14.7 | 89.10 | Y225M-4 | 45 |
| | 19.6 | 88.70 | Y225M-4 | 45 |
| | 24.5 | 88.50 | Y250M-4 | 55 |
| | 29.4 | 88.30 | Y280S-4 | 75 |
| | 34.3 | 88.10 | Y280M-4 | 90 |
| | 39.2 | 87.80 | Y280M-4 | 90 |
| | 44.1 | 87.50 | Y315S-4 | 110 |
| | 49 | 87.20 | Y315S-4 | 110 |
| | 53.9 | 86.90 | Y315M-4 | 132 |
| | 58.8 | 86.60 | Y315M-4 | 132 |
| | 63.7 | 86.30 | Y315M-4 | 132 |
| | 68.6 | 86.00 | Y315L1-4 | 160 |
| | 73.5 | 85.70 | Y315L1-4 | 160 |
| | 78.4 | 85.40 | Y315L1-4 | 160 |
| | 83.3 | 85.10 | Y315L3-4 | 185 |
| | 88.2 | 84.70 | Y315L3-4 | 185 |
| | 93.1 | 84.30 | Y315L2-4 | 200 |
| | 98.0 | 84.00 | Y355M1-4 | 220 |
| 1480 * | 9.8 | 97.52 | Y225M-4 | 45 |
| | 14.7 | 97.01 | Y250M-4 | 55 |
| | 19.6 | 96.50 | Y250M-4 | 55 |
| | 24.5 | 96.20 | Y280S-4 | 75 |
| | 29.4 | 96.10 | Y280S-4 | 75 |
| | 34.3 | 95.80 | Y280M-4 | 90 |
| | 39.2 | 95.50 | Y280M-4 | 90 |
| | 44.1 | 95.30 | Y315S-4 | 110 |
| | 49 | 95.00 | Y315S-4 | 110 |
| | 53.9 | 80.20 | Y225M-4 | 45 |
| | 58.8 | 94.10 | Y315M-4 | 132 |
| | 63.7 | 93.70 | Y315L1-4 | 160 |
| | 68.6 | 93.40 | Y315L1-4 | 160 |
| | 73.5 | 93.20 | Y315L2-4 | 200 |
| | 78.4 | 92.60 | Y315L2-4 | 200 |
| | 83.3 | 92.20 | Y315L2-4 | 200 |
| | 88.2 | 91.80 | Y315L2-4 | 200 |
| | 93.1 | 91.50 | Y355M1-4 | 220 |
| | 98.0 | 91.20 | Y355M1-4 | 220 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

# GRT-300

## Type GRT-300 three lobe roots blowers performance table

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 990 * | 9.8 | 89.00 | Y315M-4 | 132 |
| | 14.7 | 89.10 | Y225M-4 | 45 |
| | 19.6 | 88.90 | Y250M-4 | 55 |
| | 24.5 | 88.70 | Y280S-4 | 75 |
| | 29.4 | 88.50 | Y280S-4 | 75 |
| | 34.3 | 88.30 | Y280M-4 | 90 |
| | 39.2 | 88.10 | Y180M-4 | 90 |
| | 44.1 | 87.90 | Y315S-4 | 110 |
| | 49 | 87.60 | Y315S-4 | 110 |
| | 53.9 | 87.40 | Y315S-4 | 110 |
| | 14.7 | 89.10 | Y225M-4 | 132 |
| | 63.7 | 86.90 | Y315M-4 | 132 |
| | 68.6 | 86.70 | Y315L1-4 | 160 |
| | 73.5 | 86.40 | Y315L1-4 | 160 |
| | 78.4 | 86.10 | Y315L1-4 | 160 |
| | 83.3 | 85.50 | Y315L3-4 | 185 |
| | 88.2 | 85.00 | Y315L3-4 | 110 |
| | 93.1 | 84.60 | Y315L3-4 | 110 |
| | 98.0 | 83.80 | Y315L2-4 | 200 |
| 1170 | 9.8 | 108.0 | Y250M-4 | 55 |
| | 14.7 | 106.5 | Y250M-4 | 55 |
| | 19.6 | 105.0 | Y250M-4 | 55 |
| | 24.5 | 104.7 | Y280S-4 | 75 |
| | 29.4 | 104.0 | Y280S-4 | 75 |
| | 34.3 | 103.1 | Y315S-4 | 110 |
| | 39.2 | 103.8 | Y315S-4 | 110 |
| | 44.1 | 84.30 | Y315L2-4 | 200 |
| | 49 | 103.2 | Y315M-4 | 132 |
| | 53.9 | 102.9 | Y315L1-4 | 160 |
| | 58.8 | 102.7 | Y315L1-4 | 160 |
| | 63.7 | 102.5 | Y315L1-4 | 160 |
| | 68.6 | 102.3 | Y315L2-4 | 200 |
| | 73.5 | 102.1 | Y315L2-4 | 200 |
| | 78.4 | 101.8 | Y315L2-4 | 200 |
| | 83.3 | 101.5 | Y315L2-4 | 200 |
| | 88.2 | 101.1 | Y355M1-4 | 220 |
| | 93.1 | 100.8 | Y355M1-4 | 220 |
| | 98.0 | 100.5 | Y355M-4 | 250 |
| 1250 | 9.8 | 114.8 | Y280S-4 | 75 |
| | 14.7 | 113.5 | Y280S-4 | 75 |
| | 19.6 | 112.2 | Y280S-4 | 75 |
| | 24.5 | 112.0 | Y280M-4 | 90 |
| | 29.4 | 111.8 | Y280M-4 | 90 |
| | 34.3 | 111.6 | Y315S-4 | 110 |
| | 39.2 | 111.4 | Y315S-4 | 110 |
| | 44.1 | 111.2 | Y315M-4 | 132 |
| | 49 | 111.0 | Y315M-4 | 132 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 1250 | 53.9 | 110.8 | Y315L1-4 | 160 |
| | 58.8 | 110.6 | Y315L1-4 | 160 |
| | 63.7 | 110.4 | Y315L1-4 | 160 |
| | 68.6 | 110.2 | Y315L2-4 | 200 |
| | 73.5 | 110.0 | Y315L2-4 | 200 |
| | 78.4 | 109.8 | Y315M1-4 | 220 |
| | 83.3 | 109.3 | Y315M1-4 | 220 |
| | 88.2 | 108.9 | Y315M1-4 | 220 |
| | 93.1 | 108.6 | Y355M-4 | 250 |
| | 98.0 | 108.3 | Y355M-4 | 250 |
| 1360 | 9.8 | 127.0 | Y280S-4 | 75 |
| | 14.7 | 126.0 | Y280S-4 | 75 |
| | 19.6 | 125.0 | Y280S-4 | 75 |
| | 24.5 | 124.8 | Y280M-4 | 90 |
| | 29.4 | 124.6 | Y315S-4 | 110 |
| | 34.3 | 124.4 | Y315S-4 | 110 |
| | 39.2 | 124.2 | Y315M-4 | 132 |
| | 44.1 | 124.0 | Y315L1-4 | 160 |
| | 49 | 128.8 | Y315L1-4 | 160 |
| | 53.9 | 123.6 | Y315L3-4 | 185 |
| | 58.8 | 123.4 | Y315L3-4 | 185 |
| | 63.7 | 123.2 | Y315L2-4 | 200 |
| | 68.6 | 123.0 | Y315L2-4 | 200 |
| | 73.5 | 122.7 | Y355M1-4 | 220 |
| | 78.4 | 122.5 | Y355M-4 | 250 |
| | 83.3 | 122.2 | Y355M-4 | 250 |
| | 88.2 | 122.0 | Y355M-4 | 250 |
| | 93.1 | 121.7 | Y355L1-4 | 280 |
| | 98.0 | 121.5 | Y355L-4 | 315 |
| 1480 * | 9.8 | 138.1 | Y280S-4 | 75 |
| | 14.7 | 137.0 | Y280S-4 | 75 |
| | 19.6 | 135.9 | Y280M-4 | 90 |
| | 24.5 | 135.8 | Y315S-4 | 110 |
| | 29.4 | 135.6 | Y315S-4 | 110 |
| | 34.3 | 135.3 | Y315M-4 | 132 |
| | 39.2 | 135.1 | Y315M-4 | 132 |
| | 44.1 | 134.9 | Y315L1-4 | 160 |
| | 49 | 134.7 | Y315L1-4 | 160 |
| | 53.9 | 134.5 | Y315L3-4 | 185 |
| | 58.8 | 134.3 | Y315L2-4 | 200 |
| | 63.7 | 134.1 | Y315L2-4 | 200 |
| | 68.6 | 131.0 | Y355M1-4 | 220 |
| | 73.5 | 133.8 | Y355M1-4 | 220 |
| | 78.4 | 133.7 | Y355M-4 | 250 |
| | 83.3 | 133.5 | Y355M-4 | 250 |
| | 88.2 | 133.2 | Y355L1-4 | 280 |
| | 93.1 | 77.40 | Y280M-4 | 280 |
| | 98.0 | 132.5 | Y355L-4 | 315 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. When the boost is greater than 63 7kPa, it is a high pressure blower. This is GRT-H

# GRT-350

## Type GRT-350 three lobe roots blowers performance table

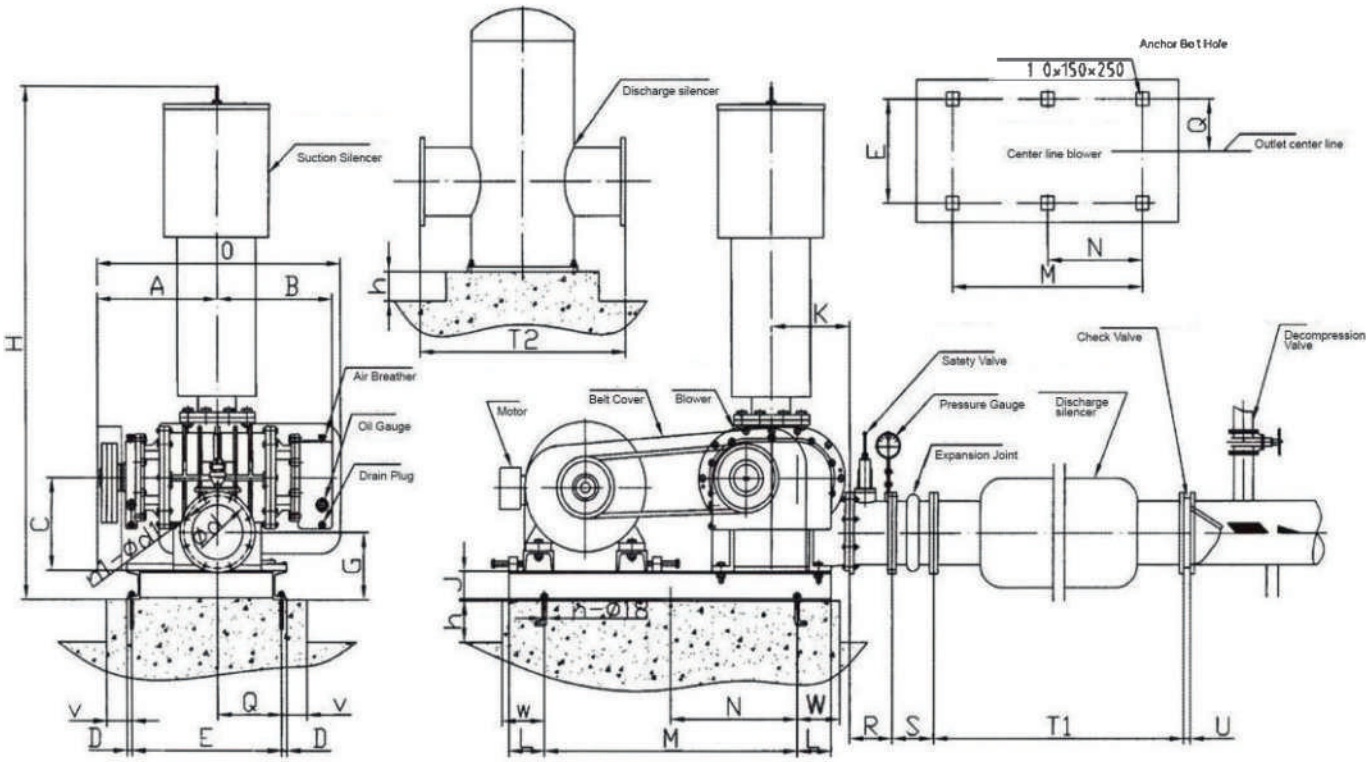
| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 730 * | 9.8 | 86.98 | Y250M-4 | 55 |
| | 14.7 | 86.31 | Y280S-4 | 75 |
| | 19.6 | 85.42 | Y280S-4 | 160 |
| | 24.5 | 84.63 | Y280M-4 | 90 |
| | 29.4 | 83.61 | Y280M-4 | 90 |
| | 34.3 | 82.81 | Y280M-4 | 90 |
| | 39.2 | 82.12 | Y280M-4 | 90 |
| | 44.1 | 81.55 | Y315S-4 | 110 |
| | 49 | 79.83 | Y315S-4 | 110 |
| | 53.9 | 79.11 | Y315M-4 | 132 |
| | 58.8 | 78.41 | Y315M-4 | 132 |
| 990 * | 9.8 | 116.82 | Y250M-4 | 55 |
| | 14.7 | 115.52 | Y280S-4 | 75 |
| | 19.6 | 114.31 | Y280S-4 | 75 |
| | 24.5 | 113.18 | Y280M-4 | 90 |
| | 29.4 | 111.82 | Y280M-4 | 90 |
| | 34.3 | 110.19 | Y315S-4 | 110 |
| | 39.2 | 109.31 | Y315S-4 | 110 |
| | 44.1 | 108.37 | Y315M-4 | 132 |
| | 49 | 107.62 | Y315M-4 | 132 |
| | 53.9 | 106.73 | Y315L1-4 | 160 |
| | 58.8 | 105.81 | Y315L1-4 | 160 |
| 1170 | 9.8 | 138.06 | Y280S-4 | 75 |
| | 14.7 | 136.52 | Y280S-4 | 75 |
| | 19.6 | 135.09 | Y280M-4 | 90 |
| | 24.5 | 133.75 | Y280M-4 | 90 |
| | 29.4 | 132.15 | Y315S-4 | 110 |
| | 34.3 | 130.22 | Y315M-4 | 132 |
| | 39.2 | 129.18 | Y315L1-4 | 160 |
| | 44.1 | 128.07 | Y315L1-4 | 160 |
| | 49 | 127.18 | Y315L3-4 | 185 |
| | 53.9 | 126.13 | Y315L2-4 | 200 |
| | 58.8 | 125.04 | Y315L2-4 | 200 |

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Motor | |
|---|---|---|---|---|
| | | | Type | Power (KW) |
| 1250 | 9.8 | 147.50 | Y280S-4 | 75 |
| | 14.7 | 145.85 | Y280M-4 | 90 |
| | 19.6 | 144.30 | Y280M-4 | 90 |
| | 24.5 | 142.89 | Y315S-4 | 110 |
| | 29.4 | 141.18 | Y315M-4 | 132 |
| | 34.3 | 139.12 | Y315M-4 | 132 |
| | 39.2 | 138.00 | Y315L1-4 | 160 |
| | 44.1 | 136.82 | Y315L1-4 | 160 |
| | 49 | 135.87 | Y315S-4 | 110 |
| | 53.9 | 134.75 | Y315L2-4 | 200 |
| | 58.8 | 133.58 | Y355M1-4 | 220 |
| 1360 | 9.8 | 160.48 | Y280S-4 | 75 |
| | 14.7 | 158.68 | Y280M-4 | 90 |
| | 19.6 | 156.99 | Y315S-4 | 110 |
| | 24.5 | 155.46 | Y315M-4 | 132 |
| | 29.4 | 153.60 | Y315M-4 | 132 |
| | 34.3 | 151.36 | Y315L1-4 | 160 |
| | 39.2 | 150.14 | Y315L1-4 | 160 |
| | 44.1 | 148.86 | Y315L3-4 | 185 |
| | 49 | 147.82 | Y315L2-4 | 200 |
| | 53.9 | 146.60 | Y355M1-4 | 220 |
| | 58.8 | 145.33 | Y355M-4 | 250 |
| 1480 * | 9.8 | 177.31 | Y280S-4 | 75 |
| | 14.7 | 174.08 | Y280M-4 | 90 |
| | 19.6 | 172.22 | Y315S-4 | 110 |
| | 24.5 | 170.28 | Y315M-4 | 132 |
| | 29.4 | 167.50 | Y315L1-4 | 160 |
| | 34.3 | 165.47 | Y315L2-4 | 200 |
| | 39.2 | 164.21 | Y315L2-4 | 200 |
| | 44.1 | 163.52 | Y355M1-4 | 220 |
| | 49 | 162.72 | Y355M1-4 | 220 |
| | 53.9 | 161.53 | Y355M-4 | 250 |
| | 58.8 | 160.71 | Y355M-4 | 250 |

Notes
1. The headstock shall be cooled by cold water, for water volume less than GRT125(DN), 5-8L/min, and for that over GRT150(DN), 8-13L/min, the temperature of the cooling water entrance ≤ 25°C, and the pressure should be 196kPa.
2. For those with a "*" sign in the list, the direct connected transmission can be chosen.

# GRT

## Type GRT blowers outline dimensions (leather belt transmission)

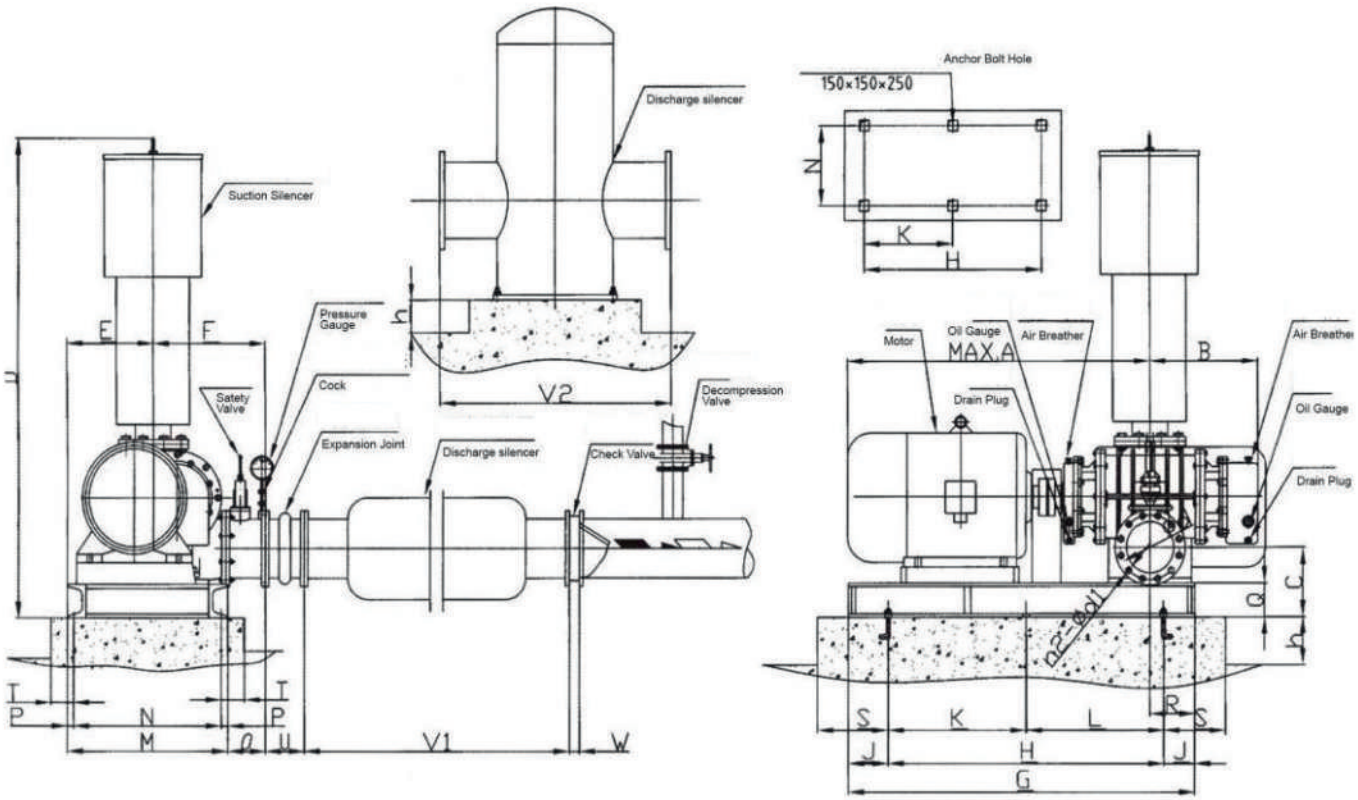



| Type | Power (A) | A | B | C | D | E | G | H | J | K | L | M | N | O | Q | R | S | T1 | T2 | U | V | W | h | n | Φd | n1-Φd1 | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-50 | 50A | 240 | 195 | 143 | 15 | 270 | 125 | 895 | 80 | 140 | 100 | 410 | - | 500 | 120 | 120 | 105 | 600 | 300 | 19 | 100 | 150 | 100 | 4 | 125 | 4-Φ18 | 80 |
| GRT-65 | 65A | 264 | 219 | 150 | 15 | 310 | 135 | 970 | 80 | 140 | 100 | 450 | - | 550 | 130 | 125 | 115 | 700 | 350 | 19 | 100 | 150 | 100 | 4 | 145 | 4-Φ18 | 91 |
| GRT-80 | 80A | 290 | 255 | 200 | 15 | 330 | 150 | 1130 | 80 | 200 | 100 | 500 | - | 590 | 150 | 150 | 135 | 950 | 400 | 19 | 100 | 150 | 100 | 4 | 160 | 8-Φ18 | 153 |
| GRT-100 | 100A | 330 | 295 | 207 | 15 | 440 | 160 | 1255 | 80 | 200 | 100 | 580 | - | 660 | 220 | 150 | 150 | 1200 | 450 | 19 | 100 | 150 | 100 | 4 | 180 | 8-Φ18 | 207 |
| GRT-125 | 125A | 340 | 306 | 237 | 15 | 440 | 190 | 1515 | 100 | 230 | 110 | 700 | - | 780 | 180 | 160 | 165 | 1400 | 500 | 21 | 100 | 150 | 100 | 4 | 210 | 8-Φ22 | 295 |
| GRT-150 | 150A | 442 | 412 | 300 | 20 | 550 | 210 | 1730 | 100 | 270 | 155 | 750 | - | 920 | 210 | 155 | 180 | 1600 | 600 | 24 | 120 | 255 | 100 | 4 | 240 | 8-Φ22 | 465 |
| GRT-200B | 200A | 520 | 430 | 325 | 25 | 610 | 230 | 2077 | 100 | 330 | 250 | 750 | - | 950 | 265 | 200 | 190 | 1800 | 600 | 29 | 150 | 300 | 100 | 4 | 295 | 8-Φ22 | 850 |
| GRT-200 | 200A | 595 | 510 | 385 | 25 | 705 | 250 | 2210 | 120 | 350 | 200 | 1000 | 500 | 1180 | 300 | 200 | 190 | 1800 | 650 | 29 | 150 | 300 | 100 | 6 | 295 | 8-Φ22 | 1000 |
| GRT-250 | 250A | 734 | 586 | 420 | 30 | 890 | 370 | 2785 | 160 | 460 | 205 | 1490 | 745 | 1380 | 440 | 250 | 230 | 2000 | 700 | 30 | 200 | 305 | 100 | 6 | 350 | 12-Φ22 | 1758 |
| GRT-300 | 300A | 819 | 683 | 510 | 30 | 890 | 400 | 2975 | 160 | 460 | 205 | 1490 | 745 | 1533 | 490 | 260 | 245 | 2000 | 1120 | 40 | 200 | 305 | 100 | 6 | 400 | 12-Φ22 | 2300 |

Note
1. Weight do not include motor muffler weight
2. Large fan base with the motor power set size
3. Users can choose according to the export muffler T1 or T2

# GRT

## Type GRT blowers outline dimensions (leather belt transmission)

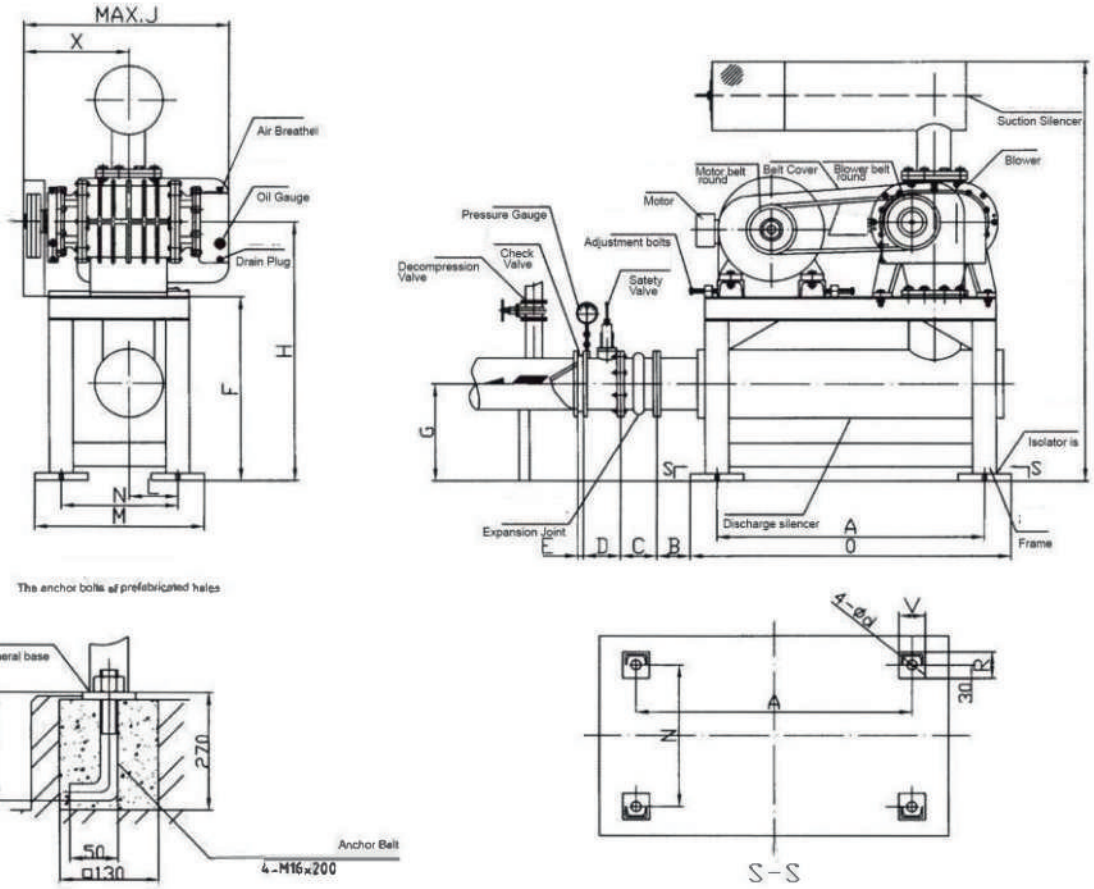



| Type | Power (A) | A | B | C | D | E | F | G | H | J | K | L | M | N | O | Q | R | S | T | U | V1 | V2 | W | h | n | Φd | n1-Φd1 | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-50 | 50A | 570 | 179 | 125 | 895 | 152 | 140 | 700 | 420 | 60 | - | - | 260 | 220 | 120 | 80 | 60 | 150 | 100 | 105 | 600 | 300 | 19 | 100 | 4 | 125 | 4-Φ18 | 80 |
| GRT-65 | 65A | 610 | 202 | 135 | 970 | 192 | 140 | 800 | 440 | 80 | - | - | 360 | 260 | 125 | 80 | 80 | 150 | 100 | 115 | 710 | 350 | 19 | 100 | 4 | 145 | 4-Φ18 | 91 |
| GRT-80 | 80A | 720 | 225 | 150 | 1130 | 217 | 200 | 900 | 500 | 75 | - | - | 370 | 330 | 150 | 80 | 75 | 150 | 100 | 135 | 900 | 400 | 19 | 100 | 4 | 160 | 8-Φ18 | 153 |
| GRT-100 | 100A | 920 | 265 | 160 | 1255 | 234 | 200 | 1000 | 630 | 110 | - | - | 400 | 360 | 150 | 80 | 110 | 150 | 100 | 150 | 1200 | 450 | 19 | 100 | 4 | 180 | 8-Φ18 | 207 |
| GRT-125 | 125A | 965 | 294 | 190 | 1515 | 260 | 230 | 1100 | 710 | 105 | 355 | 355 | 430 | 390 | 160 | 100 | 105 | 150 | 100 | 165 | 1400 | 500 | 21 | 100 | 6 | 210 | 8-Φ22 | 295 |
| GRT-150 | 150A | 1185 | 377 | 210 | 1730 | 305 | 270 | 1500 | 950 | 150 | 475 | 475 | 500 | 456 | 155 | 100 | 165 | 200 | 120 | 180 | 1600 | 600 | 24 | 100 | 6 | 240 | 8-Φ22 | 465 |
| GRT-200B | 200A | 1200 | 412 | 230 | 2077 | 435 | 330 | 1900 | 1200 | 100 | 600 | 600 | 650 | 600 | 200 | 100 | 190 | 200 | 150 | 190 | 1800 | 650 | 29 | 100 | 6 | 295 | 8-Φ22 | 750 |
| GRT-200 | 200A | 1600 | 550 | 250 | 2210 | 405 | 350 | 1900 | 1300 | 150 | 650 | 650 | 650 | 605 | 200 | 120 | 240 | 200 | 150 | 190 | 1800 | 650 | 29 | 100 | 6 | 295 | 8-Φ22 | 1000 |
| GRT-250 | 250A | 1867 | 596 | 370 | 2785 | 520 | 460 | 2100 | 1800 | 150 | 900 | 9000 | 1020 | 950 | 250 | 160 | 250 | 250 | 200 | 230 | 2000 | 700 | 30 | 100 | 6 | 350 | 12-Φ22 | 1758 |
| GRT-300 | 300A | 2197 | 683 | 400 | 2975 | 520 | 460 | 2300 | 2000 | 100 | 1000 | 100 | 1020 | 950 | 260 | 160 | 270 | 250 | 200 | 245 | 2000 | 1120 | 40 | 100 | 6 | 400 | 12-Φ22 | 2300 |

Note 1. Weight do not include motor muffler weight
2. Large fan base with the motor power set size
3. Users can choose according to the V1 and V2 export muffler

# GRT-MJ

## Type GRT-MJ intensive Fan Dimension Chart

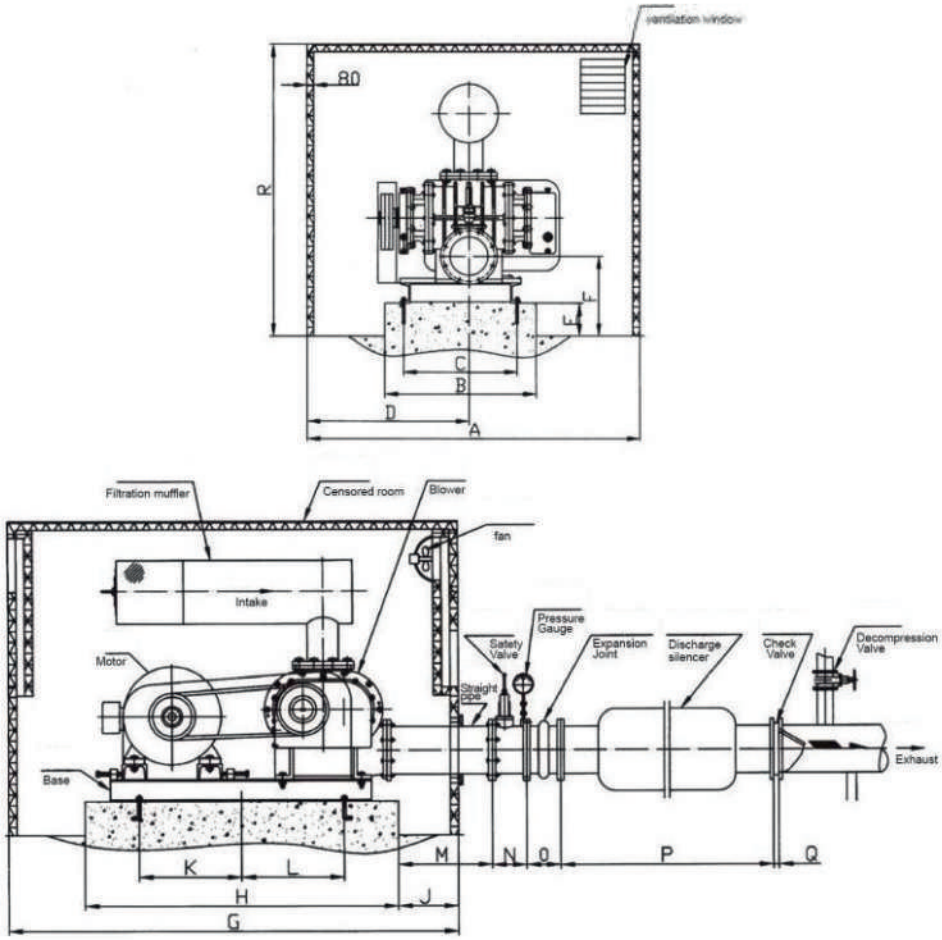



| Type | Power (A) | A | B | C | D | E | F | G | H | J | K | L | M | N | O | X | R | V | 4-Φd | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-50 | 50A | 380 | 90 | 105 | 120 | 19 | 450 | 240 | 578 | 450 | 970 | 125 | 320 | 200 | 560 | 185 | 90 | 100 | 18 | 100 |
| GRT-65 | 65A | 450 | 100 | 115 | 130 | 19 | 480 | 240 | 615 | 500 | 1050 | 140 | 360 | 240 | 650 | 205 | 90 | 100 | 18 | 110 |
| GRT-80 | 80A | 500 | 110 | 135 | 140 | 19 | 500 | 250 | 680 | 530 | 1150 | 150 | 380 | 260 | 700 | 220 | 90 | 100 | 18 | 150 |
| GRT-100 | 100A | 540 | 110 | 150 | 140 | 19 | 520 | 265 | 707 | 600 | 1200 | 200 | 490 | 370 | 780 | 260 | 90 | 100 | 18 | 180 |
| GRT-125 | 125A | 600 | 120 | 165 | 150 | 21 | 560 | 280 | 777 | 710 | 1380 | 215 | 490 | 370 | 860 | 295 | 90 | 1200 | 18 | 280 |
| GRT-125C | 125A | 700 | 120 | 165 | 200 | 21 | 560 | 280 | 777 | 790 | 1380 | 270 | 570 | 450 | 980 | 323 | 105 | 120 | 18 | 360 |
| GRT-150 | 150A | 760 | 130 | 180 | 150 | 24 | 620 | 340 | 881 | 860 | 1365 | 250 | 610 | 470 | 1060 | 375 | 100 | 120 | 18 | 430 |
| GRT-175 | 150A | 850 | 130 | 180 | 150 | 24 | 620 | 340 | 881 | 950 | 1565 | 320 | 720 | 580 | 1150 | 470 | 100 | 120 | 18 | 680 |
| GRT-200B | 200A | 950 | 150 | 190 | 160 | 29 | 750 | 380 | 1075 | 980 | 1870 | 325 | 670 | 530 | 1250 | 425 | 100 | 120 | 18 | 740 |
| GRT-200 | 200A | 1050 | 150 | 190 | 160 | 29 | 750 | 380 | 1095 | 1080 | 1920 | 304 | 775 | 500 | 1400 | 525 | 100 | 140 | 18 | 980 |
| GRT-250B | 250A | 1050 | 160 | 230 | 250 | 30 | 900 | 400 | 1280 | 1300 | 2250 | 357 | 870 | 500 | 1400 | 641 | 100 | 140 | 18 | 1350 |
| GRT-250 | 250A | 1340 | 160 | 230 | 250 | 30 | 900 | 400 | 1320 | 1258 | 2300 | 460 | 970 | 745 | 1900 | 608 | 140 | 180 | 26 | 1858 |
| GRT-300 | 300A | 1340 | 160 | 245 | 250 | 40 | 950 | 420 | 1460 | 1433 | 2480 | 375 | 970 | 745 | 1900 | 756 | 140 | 180 | 26 | 2356 |

Note Weight do not include motor muffler weight

# GRT

## Type GRT Censored room appearance figure

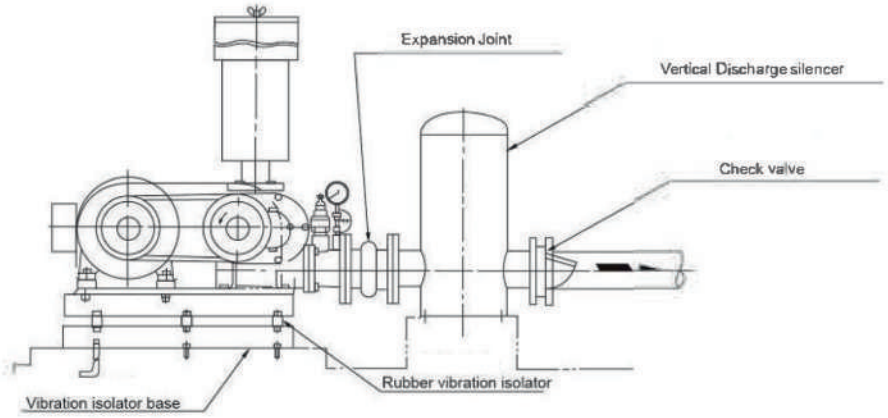


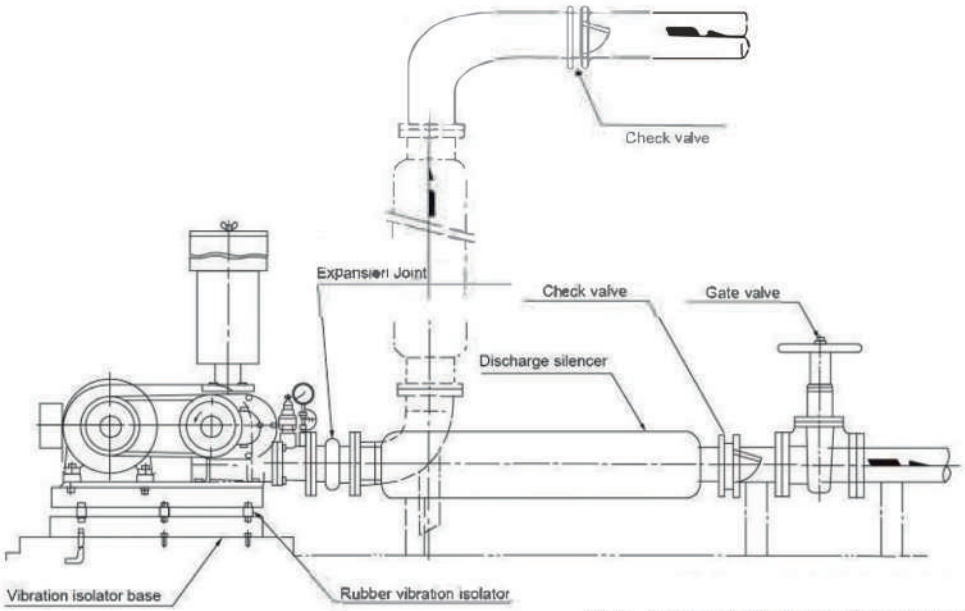

| Type | Power (A) | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-50 | 50A | 1200 | 470 | 270 | 500 | 100 | 225 | 1300 | 810 | 200 | - | - | 250 | 120 | 105 | 610 | 19 | 1300 |
| GRT-65 | 65A | 1200 | 510 | 310 | 500 | 100 | 235 | 1400 | 850 | 200 | - | - | 300 | 130 | 115 | 710 | 19 | 1300 |
| GRT-80 | 80A | 1400 | 530 | 330 | 600 | 100 | 250 | 1600 | 900 | 300 | - | - | 350 | 140 | 135 | 910 | 19 | 1600 |
| GRT-100 | 100A | 1400 | 640 | 440 | 600 | 100 | 260 | 1700 | 980 | 300 | - | - | 400 | 140 | 150 | 1200 | 19 | 1600 |
| GRT-125 | 125A | 1400 | 640 | 440 | 600 | 100 | 290 | 1800 | 1060 | 300 | - | - | 450 | 150 | 165 | 1400 | 21 | 1600 |
| GRT-125C | 125A | 1600 | 750 | 510 | 650 | 100 | 290 | 2000 | 1200 | 300 | - | - | 500 | 160 | 165 | 1400 | 21 | 1600 |
| GRT-150 | 150A | 1800 | 750 | 550 | 700 | 100 | 310 | 2200 | 1260 | 350 | - | - | 500 | 160 | 180 | 1600 | 24 | 2000 |
| GRT-175 | 150A | 1800 | 856 | 656 | 700 | 100 | 360 | 2200 | 1350 | 350 | - | - | 600 | 160 | 180 | 1600 | 24 | 2000 |
| GRT-200B | 200A | 2000 | 802 | 602 | 800 | 100 | 350 | 2400 | 1450 | 400 | - | - | 600 | 160 | 190 | 1800 | 29 | 2000 |
| GRT-200 | 200A | 2000 | 905 | 705 | 800 | 100 | 350 | 2800 | 1600 | 400 | 500 | 500 | 650 | 160 | 190 | 1800 | 29 | 2000 |
| GRT-250B | 250A | 2200 | 1050 | 800 | 1000 | 100 | 430 | 2800 | 1700 | 300 | 500 | 500 | 650 | 250 | 230 | 2000 | 30 | 2000 |
| GRT-250 | 250A | 2500 | 1100 | 890 | 1100 | 100 | 470 | 3500 | 2100 | 400 | 745 | 745 | 650 | 250 | 230 | 2000 | 30 | 2200 |
| GRT-300 | 300A | 2800 | 1100 | 890 | 1100 | 100 | 470 | 3800 | 2100 | 400 | 745 | 745 | 702 | 260 | 245 | 2000 | 40 | 2200 |
| GRT-350 | 350A | 3000 | 1580 | 1120 | 1200 | 100 | 470 | 3800 | 2100 | 400 | 745 | 745 | 500 | 200 | 245 | 2000 | 40 | 2200 |

**Note** **Weight do not include motor muffler weight**

# GRT

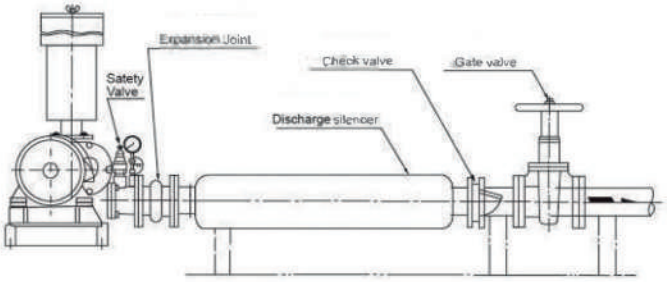
## Type GRT blower piping layout diagram

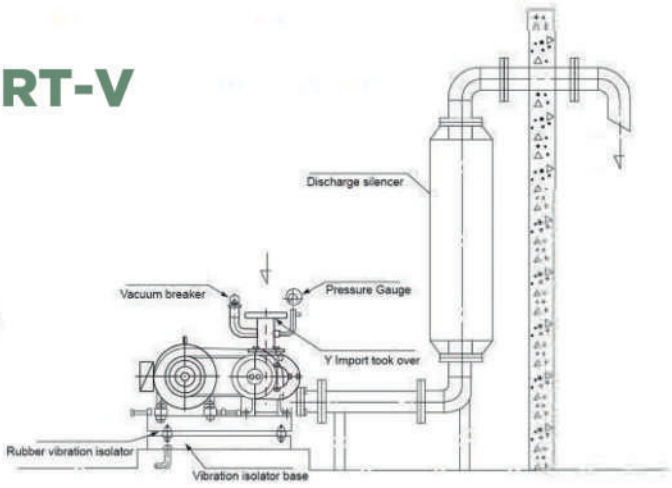



**Note** Make sure that the piping of check valve type DCV is horizontal

# GRT-V



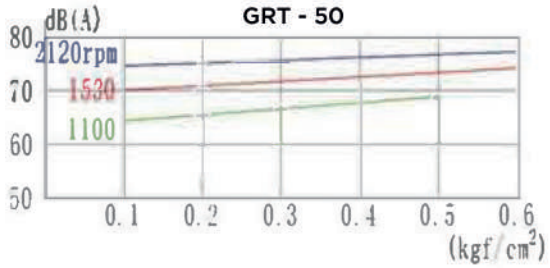




**Note** Make sure that the piping of check valve type DCV is horizontal

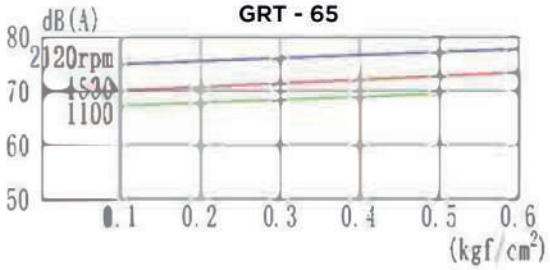
# GRT

## Type GRT blower noise level

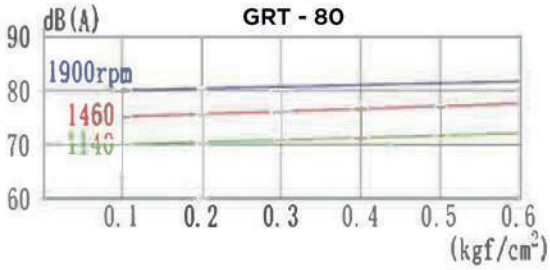
GRT - 50



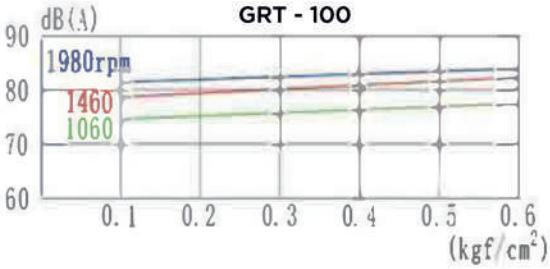

GRT - 65



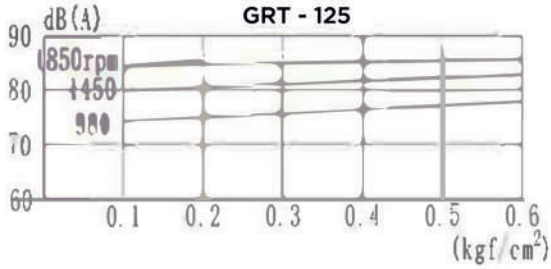

GRT - 80



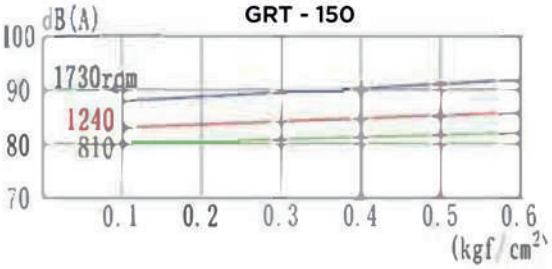

GRT - 100



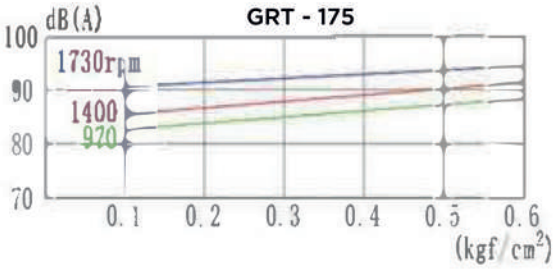

GRT - 125



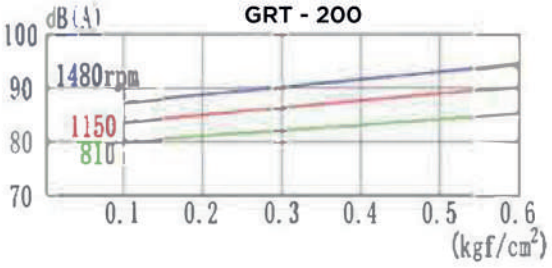

GRT - 150



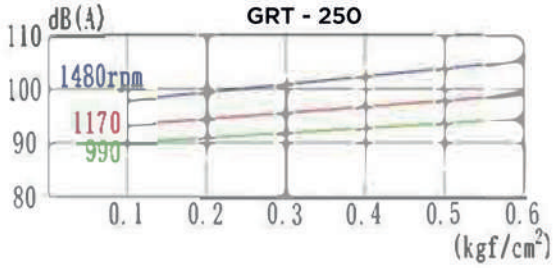

GRT - 175



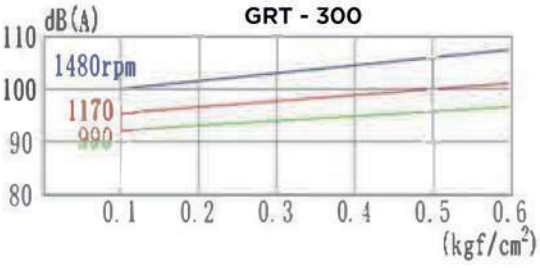

GRT - 200




GRT - 250




GRT - 300

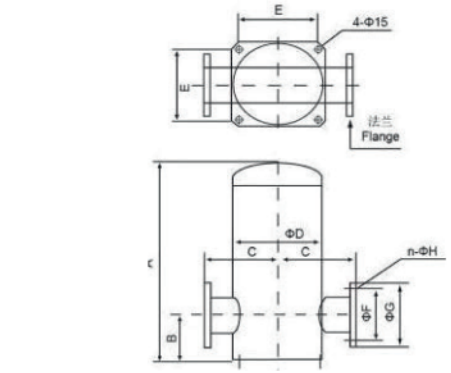


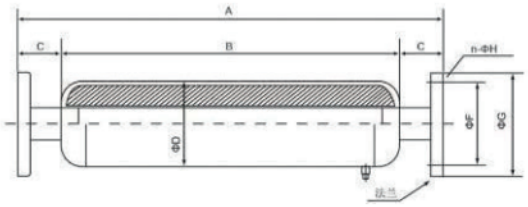

Noise db (A)

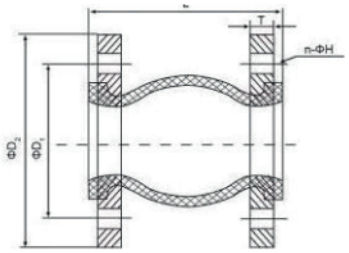
Note
1. The noise from the fan is next to 1.0m and the accompanying standards muffler income average.
2. The noise from the value of the lenght of the pipeline, the number of turning around and enviromental chang

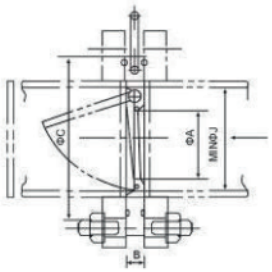
# GRT

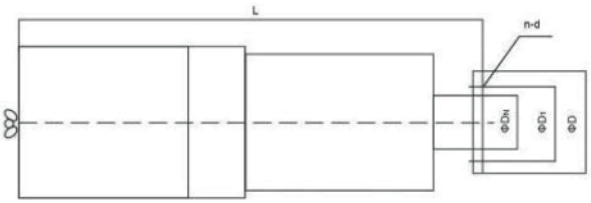
## Type GRT blower accesories




### RKM

| Type | Power (A) | A | B | C | D | E | F | G | n-Φh | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| RKM-40 | 40A | 350 | 80 | 125 | 145 | 125 | 110 | 150 | 4-Φ18 | 10 |
| RKM-50 | 50A | 450 | 130 | 140 | 165 | 140 | 125 | 165 | 4-Φ19 | 15 |
| RKM-85 | 60A | 500 | 140 | 170 | 190 | 170 | 145 | 185 | 4-Φ19 | 20 |
| RKM-80 | 65A | 610 | 150 | 190 | 217 | 190 | 160 | 200 | 8-Φ19 | 27 |
| RKM-100 | 100A | 880 | 160 | 220 | 286 | 220 | 180 | 220 | 8-Φ19 | 34 |
| RKM-125 | 125A | 820 | 200 | 240 | 255 | 240 | 210 | 250 | 8-Φ22 | 58 |
| RKM-150 | 150A | 940 | 220 | 290 | 370 | 290 | 240 | 285 | 8-Φ22 | 80 |
| RKM-200 | 200A | 1080 | 260 | 320 | 420 | 320 | 295 | 340 | 8-Φ22 | 97 |
| RKM-290 | 250A | 1250 | 400 | 350 | 500 | 500 | 350 | 395 | 12-Φ22 | 140 |
| RKM-300 | 300A | 1300 | 430 | 580 | 580 | 880 | 400 | 445 | 12-Φ22 | 180 |

### KM

| Type | Power (A) | A | B | C | D | n-Φh | kg |
|---|---|---|---|---|---|---|---|
| RKM-40 | 40A | 500 | 135 | 110 | 150 | 4-Φ18 | 9 |
| RKM-50 | 50A | 800 | 140 | 125 | 165 | 4-Φ19 | 12 |
| RKM-85 | 60A | 700 | 165 | 145 | 195 | 4-Φ19 | 16 |
| RKM-80 | 65A | 900 | 180 | 180 | 200 | 8-Φ19 | 20 |
| RKM-100 | 100A | 1200 | 217 | 180 | 220 | 8-Φ19 | 39 |
| RKM-125 | 125A | 1400 | 281 | 210 | 250 | 8-Φ22 | 45 |
| RKM-150 | 150A | 1800 | 286 | 240 | 295 | 8-Φ22 | 66 |
| RKM-200 | 200A | 1800 | 320 | 295 | 310 | 8-Φ22 | 85 |
| RKM-290 | 250A | 2000 | 450 | 350 | 395 | 12-Φ22 | 130 |
| RKM-300 | 300A | 2000 | 500 | 400 | 445 | 12-Φ22 | 180 |

### KXT

| Type | Power (A) | A | B | C | D | n-Φh | kg |
|---|---|---|---|---|---|---|---|
| KXT-40 | 40A | 110 | 150 | 90 | 16 | 4-Φ18 | 2 |
| KXT-50 | 50A | 126 | 185 | 105 | 18 | 4-Φ18 | 3 |
| KXT-85 | 65A | 145 | 185 | 115 | 20 | 4-Φ18 | 3.5 |
| KXT-80 | 80A | 160 | 200 | 135 | 20 | 8-Φ19 | 4 |
| KXT-100 | 100A | 180 | 220 | 150 | 22 | 8-Φ18 | 5 |
| KXT-125 | 125A | 210 | 250 | 165 | 24 | 8-Φ19 | 8.5 |
| KXT-150 | 150A | 240 | 285 | 160 | 24 | 8-Φ22 | 9.5 |
| KXT-200 | 300A | 295 | 340 | 190 | 24 | 8-Φ22 | 18 |
| KXT-290 | 250A | 350 | 385 | 230 | 24 | 12-Φ22 | 25 |
| KXT-300 | 300A | 480 | 445 | 245 | 24 | 12-Φ22 | 38 |

### DCV

| Type | Power (A) | A | B | C | J | kg |
|---|---|---|---|---|---|---|
| DCV-40 | 40A | 20 | 16 | 90 | 40 | 10 |
| DCV-50 | 50A | 25 | 19 | 105 | 50 | 1.2 |
| DCV-65 | 65A | 36 | 19 | 125 | 65 | 1.5 |
| DCV-80 | 80A | 46 | 19 | 135 | 80 | 1.8 |
| DCV-100 | 100A | 67 | 19 | 160 | 100 | 2.5 |
| DCV-125 | 125A | 88 | 21 | 190 | 125 | 3.6 |
| DCV-150 | 150A | 108 | 24 | 220 | 150 | 5.2 |
| DCV-200 | 300A | 138 | 29 | 270 | 200 | 110 |
| DCV-250 | 250A | 200 | 30 | 330 | 250 | 15.0 |
| DCV-300 | 300A | 240 | 40 | 380 | 300 | 320 |

| Type | $D_N$ | $D_1$ | D | L | N-ΦH | kg |
|---|---|---|---|---|---|---|
| DCV-40 | Φ60 | 86 | 110 | 220 | 4-Φ14 | 4 |
| DCV-50 | Φ50 | 86 | 150 | 500 | 4-Φ14 | 5 |
| DCV-65 | Φ65 | 130 | 155 | 560 | 4-Φ14 | 7 |
| DCV-80 | Φ80 | 130 | 180 | 600 | 4-Φ14 | 15 |
| DCV-100 | Φ100 | 145 | 207 | 850 | 6-Φ18 | 10 |
| DCV-125 | Φ125 | 177 | 200 | 915 | 8-Φ18 | 22 |
| DCV-150 | Φ150 | 225 | 260 | 1100 | 8-Φ18 | 35 |
| DCV-200 | Φ200 | 280 | 320 | 1450 | 8-Φ20 | 60 |
| DCV-250 | Φ250 | 350 | 395 | 1650 | 12-Φ20 | 120 |
| DCV-300 | Φ300 | 400 | 445 | 1750 | 12-Φ22 | 140 |

# GRT-50V/65V

## Type GRT-50V/65V Series Vacuum Degree Performance Parameters table

### GRT-50V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | -13.3 | 1.12 | 0.36 | Y80M2-4 | 0.75 |
| | -19.9 | 1.03 | 0.55 | Y80M2-4 | 0.75 |
| | -26.6 | 0.94 | 0.74 | Y90S-4 | 1.1 |
| | -33.3 | 0.86 | 0.93 | Y90S-4 | 1.1 |
| | -39.9 | 0.78 | 1.12 | Y90L-4 | 1.5 |
| 1230 | -13.3 | 1.29 | 0.47 | Y80M2-4 | 0.75 |
| | -19.9 | 1.20 | 0.67 | Y90S-4 | 1.1 |
| | -26.6 | 1.10 | 0.88 | Y90S-4 | 1.1 |
| | -33.3 | 1.02 | 1.08 | Y90L-4 | 1.5 |
| | -39.9 | 0.94 | 1.28 | Y90L-4 | 1.5 |
| 1350 | -13.3 | 1.45 | 0.58 | Y80M2-4 | 0.75 |
| | -19.9 | 1.36 | 0.80 | Y90S-4 | 1.1 |
| | -26.6 | 1.26 | 1.02 | Y90L-4 | 1.5 |
| | -33.3 | 1.16 | 1.24 | Y90L-4 | 1.5 |
| | -39.9 | 1.06 | 1.46 | Y100L1-4 | 2.2 |
| 1470 * | -13.3 | 1.62 | 0.74 | Y90S-4 | 1.1 |
| | -19.9 | 1.54 | 0.96 | Y90L-4 | 1.5 |
| | -26.6 | 1.45 | 1.18 | Y90L-4 | 1.5 |
| | -33.3 | 1.35 | 1.40 | Y100L1-4 | 2.2 |
| | -39.9 | 1.25 | 1.62 | Y100L1-4 | 2.2 |
| | -46.6 | 1.21 | 1.75 | Y100L1-4 | 2.2 |
| | -53.3 | 1.17 | 1.88 | Y100L1-4 | 2.2 |
| 1560 | -13.3 | 1.76 | 0.86 | Y90S-4 | 1.1 |
| | -19.9 | 1.69 | 1.09 | Y90L-4 | 1.5 |
| | -26.6 | 1.60 | 1.31 | Y90L-4 | 1.5 |
| | -33.3 | 1.50 | 1.54 | Y100L1-4 | 2.2 |
| | -39.9 | 1.37 | 1.76 | Y100L1-4 | 2.2 |
| | -46.6 | 1.31 | 1.89 | Y100L1-4 | 2.2 |
| | -53.3 | 1.25 | 2.06 | Y100L2-4 | 3 |
| 1660 | -13.3 | 1.88 | 0.93 | Y90S-4 | 1.1 |
| | -19.9 | 1.81 | 1.17 | Y90L-4 | 1.5 |
| | -26.6 | 1.71 | 1.41 | Y100L1-4 | 2.2 |
| | -33.3 | 1.61 | 1.66 | Y100L1-4 | 2.2 |
| | -39.9 | 1.48 | 1.90 | Y100L1-4 | 2.2 |
| | -46.6 | 1.42 | 2.04 | Y100L2-4 | 3 |
| | -53.3 | 1.36 | 2.19 | Y100L2-4 | 3 |
| 1750 | -13.3 | 1.99 | 0.99 | Y90L-4 | 1.5 |
| | -19.9 | 1.92 | 1.27 | Y90L-4 | 1.5 |
| | -26.6 | 1.82 | 1.50 | Y100L1-4 | 2.2 |
| | -33.3 | 1.71 | 1.76 | Y100L1-4 | 2.2 |
| | -39.9 | 1.58 | 2.02 | Y100L2-4 | 3 |
| | -46.6 | 1.52 | 2.17 | Y100L2-4 | 3 |
| | -53.3 | 1.46 | 2.32 | Y100L2-4 | 3 |
| 1850 | -13.3 | 2.12 | 1.13 | Y90L-4 | 1.5 |
| | -19.9 | 2.05 | 1.39 | Y100L1-4 | 2.2 |
| | -26.6 | 1.95 | 1.65 | Y100L1-4 | 2.2 |
| | -33.3 | 1.84 | 1.91 | Y100L1-4 | 2.2 |
| | -39.9 | 1.71 | 2.17 | Y100L2-4 | 3 |
| | -46.6 | 1.64 | 2.32 | Y100L2-4 | 3 |
| | -53.3 | 1.57 | 2.47 | Y100L2-4 | 3 |
| 1960 | -13.3 | 2.27 | 1.28 | Y90L-4 | 1.5 |
| | -19.9 | 2.20 | 1.55 | Y100L1-4 | 2.2 |
| | -26.6 | 2.10 | 1.81 | Y100L1-4 | 2.2 |
| | -33.3 | 1.99 | 2.08 | Y100L2-4 | 3 |
| | -39.9 | 1.90 | 2.34 | Y100L2-4 | 3 |
| | -46.6 | 1.85 | 2.50 | Y100L2-4 | 3 |
| | -53.3 | 1.80 | 2.66 | Y280S-4 | 4 |
| 2120 | -13.3 | 2.46 | 1.56 | Y100L1-4 | 2.2 |
| | -19.9 | 2.38 | 1.84 | Y100L1-4 | 2.2 |
| | -26.6 | 2.27 | 2.21 | Y100L2-4 | 3 |
| | -33.3 | 2.15 | 2.40 | Y100L2-4 | 3 |
| | -39.9 | 2.02 | 2.67 | Y112M-4 | 4 |
| | -46.6 | 1.95 | 2.83 | Y112M-4 | 4 |
| | -53.3 | 1.88 | 2.99 | Y112M-4 | 4 |
| 2300 | -13.3 | 2.67 | 1.79 | Y100L1-4 | 2.2 |
| | -19.9 | 2.59 | 2.10 | Y100L2-4 | 3 |
| | -26.6 | 2.48 | 2.50 | Y100L2-4 | 3 |
| | -33.3 | 2.37 | 2.70 | Y112M-4 | 4 |
| | -39.9 | 2.27 | 3.05 | Y112M-4 | 4 |
| | -46.6 | 2.23 | 3.21 | Y112M-4 | 4 |
| | -53.3 | 2.19 | 3.37 | Y112M-4 | 4 |

### GRT-65V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1100 | -13.3 | 1.57 | 0.75 | Y90S-4 | 1.1 |
| | -19.9 | 1.43 | 0.98 | Y90L-4 | 1.5 |
| | -26.6 | 1.30 | 1.21 | Y90L-4 | 1.5 |
| | -33.3 | 1.16 | 1.45 | Y100L1-4 | 2.2 |
| | -39.9 | 1.02 | 1.69 | Y100L1-4 | 2.2 |
| 1240 | -13.3 | 1.83 | 0.84 | Y90S-4 | 1.1 |
| | -19.9 | 1.69 | 1.09 | Y90L-4 | 1.5 |
| | -26.6 | 1.54 | 1.35 | Y100L1-4 | 2.2 |
| | -33.3 | 1.40 | 1.61 | Y100L1-4 | 2.2 |
| | -39.9 | 1.20 | 1.87 | Y100L1-4 | 2.2 |
| 1360 | -13.3 | 2.08 | 0.95 | Y90S-4 | 1.1 |
| | -19.9 | 1.93 | 1.24 | Y90L-4 | 1.5 |
| | -26.6 | 1.78 | 1.52 | Y100L1-4 | 2.2 |
| | -33.3 | 1.64 | 1.81 | Y100L1-4 | 2.2 |
| | -39.9 | 1.50 | 2.10 | Y100L2-4 | 3 |
| 1460 * | -13.3 | 2.27 | 1.05 | Y90L-4 | 1.5 |
| | -19.9 | 2.13 | 1.35 | Y100L1-4 | 2.2 |
| | -26.6 | 1.99 | 1.65 | Y100L1-4 | 2.2 |
| | -33.3 | 1.84 | 1.96 | Y100L2-4 | 3 |
| | -39.9 | 1.70 | 2.26 | Y100L2-4 | 3 |
| | -46.6 | 1.61 | 2.44 | Y100L2-4 | 3 |
| | -53.3 | 1.52 | 2.79 | Y112M-4 | 4 |
| 1550 | -13.3 | 2.47 | 1.13 | Y90L-4 | 1.5 |
| | -19.9 | 2.32 | 1.45 | Y100L1-4 | 2.2 |
| | -26.6 | 2.17 | 1.77 | Y100L1-4 | 2.2 |
| | -33.3 | 2.03 | 2.09 | Y100L2-4 | 3 |
| | -39.9 | 1.88 | 2.41 | Y100L2-4 | 3 |
| | -46.6 | 1.80 | 2.60 | Y100L2-4 | 3 |
| | -53.3 | 1.72 | 2.96 | Y112M-4 | 4 |
| 1670 | -13.3 | 2.70 | 1.24 | Y90L-4 | 1.5 |
| | -19.9 | 2.56 | 1.58 | Y100L1-4 | 2.2 |
| | -26.6 | 2.42 | 1.93 | Y100L2-4 | 3 |
| | -33.3 | 2.27 | 2.28 | Y100L2-4 | 3 |
| | -39.9 | 2.13 | 2.62 | Y112M-4 | 4 |
| | -46.6 | 2.05 | 2.83 | Y112M-4 | 4 |
| | -53.3 | 1.97 | 3.04 | Y112M-4 | 4 |
| 1770 | -13.3 | 2.90 | 1.32 | Y100L1-4 | 2.2 |
| | -19.9 | 2.76 | 1.69 | Y100L1-4 | 2.2 |
| | -26.6 | 2.62 | 2.06 | Y100L2-4 | 3 |
| | -33.3 | 2.49 | 2.43 | Y100L2-4 | 3 |
| | -39.9 | 2.35 | 2.79 | Y112M-4 | 4 |
| | -46.6 | 2.27 | 3.03 | Y112M-4 | 4 |
| | -53.3 | 2.19 | 3.38 | Y112M-4 | 4 |
| 1860 | -13.3 | 3.08 | 1.44 | Y100L1-4 | 2.2 |
| | -19.9 | 2.94 | 1.82 | Y100L1-4 | 2.2 |
| | -26.6 | 2.80 | 2.20 | Y100L2-4 | 3 |
| | -33.3 | 2.65 | 2.59 | Y112M-4 | 4 |
| | 39.9 | 2.51 | 2.98 | Y112M-4 | 4 |
| | -46.6 | 2.44 | 3.20 | Y112M-4 | 4 |
| | -53.3 | 2.37 | 3.55 | Y132S-4 | 5.5 |
| 1980 | -13.3 | 3.33 | 1.60 | Y100L1-4 | 2.2 |
| | -19.9 | 3.18 | 2.00 | Y100L2-4 | 3 |
| | -26.6 | 3.03 | 2.41 | Y100L2-4 | 3 |
| | -33.3 | 2.89 | 2.81 | Y112M-4 | 4 |
| | -39.9 | 2.74 | 3.23 | Y112M-4 | 4 |
| | -46.6 | 2.72 | 3.47 | Y112M-4 | 4 |
| | -53.3 | 2.68 | 3.78 | Y132S-4 | 5.5 |
| 2150 | -13.3 | 3.57 | 1.84 | Y100L1-4 | 2.2 |
| | -19.9 | 3.43 | 2.28 | Y100L2-4 | 3 |
| | -26.6 | 3.30 | 2.72 | Y112M-4 | 4 |
| | -33.3 | 3.16 | 3.18 | Y112M-4 | 4 |
| | -39.9 | 3.02 | 3.60 | Y132S-4 | 5.5 |
| | -46.6 | 2.92 | 3.86 | Y132S-4 | 5.5 |
| | -53.3 | 2.82 | 4.12 | Y132S-4 | 5.5 |
| 2300 | -13.3 | 3.80 | 2.10 | Y100L2-4 | 3 |
| | -19.9 | 3.65 | 2.54 | Y100L2-4 | 3 |
| | -26.6 | 3.49 | 3.05 | Y112M-4 | 4 |
| | -33.3 | 3.34 | 3.51 | Y132S-4 | 5.5 |
| | -39.9 | 3.18 | 3.95 | Y132S-4 | 5.5 |
| | -46.6 | 3.09 | 4.21 | Y132S-4 | 5.5 |
| | -53.3 | 3.00 | 4.47 | Y132S-4 | 5.5 |

Note
1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT-80V/100V

## Type GRT-80V/100V Series Vacuum Degree Perfomance Parameters table

### GRT-80V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1130 | -13.3 | 2.92 | 1.01 | Y100L1-4 | 2.2 |
| | -19.9 | 2.79 | 1.46 | Y100L1-4 | 2.2 |
| | -26.6 | 2.65 | 1.90 | Y100L1-4 | 2.2 |
| | -33.3 | 2.50 | 2.35 | Y100L2-4 | 3 |
| | -39.9 | 2.35 | 2.78 | Y112M-4 | 4 |
| 1240 | -13.3 | 3.29 | 1.17 | Y100L1-4 | 2.2 |
| | -19.9 | 3.15 | 1.66 | Y100L1-4 | 2.2 |
| | -26.6 | 3.00 | 2.14 | Y100L2-4 | 3 |
| | -33.3 | 2.85 | 2.63 | Y112M-4 | 4 |
| | -39.9 | 2.69 | 3.11 | Y112M-4 | 4 |
| | -46.6 | 2.62 | 3.52 | Y132S-4 | 5.5 |
| | -53.3 | 2.55 | 4.02 | Y132S-4 | 5.5 |
| 1300 | -13.3 | 3.49 | 1.30 | Y100L1-4 | 2.2 |
| | -19.9 | 3.35 | 1.80 | Y100L1-4 | 2.2 |
| | -26.6 | 3.20 | 2.30 | Y100L2-4 | 3 |
| | -33.3 | 3.05 | 2.80 | Y112M-4 | 4 |
| | -39.9 | 2.89 | 3.30 | Y112M-4 | 4 |
| | -46.6 | 2.82 | 3.69 | Y132S-4 | 5.5 |
| | -53.3 | 2.75 | 4.22 | Y132S-4 | 5.5 |
| 1370 | -13.3 | 3.73 | 1.44 | Y100L1-4 | 2.2 |
| | -19.9 | 3.59 | 1.96 | Y100L2-4 | 3 |
| | -26.6 | 3.44 | 2.49 | Y100L2-4 | 3 |
| | -33.3 | 3.29 | 3.01 | Y112M-4 | 4 |
| | -39.9 | 3.13 | 3.53 | Y132S-4 | 5.5 |
| | -46.6 | 3.06 | 3.88 | Y132S-4 | 5.5 |
| | -53.3 | 2.99 | 4.44 | Y132S-4 | 5.5 |
| 1470 * | -13.3 | 4.03 | 1.60 | Y100L1-4 | 2.2 |
| | -19.9 | 3.89 | 2.16 | Y100L2-4 | 3 |
| | -26.6 | 3.74 | 2.73 | Y112S-4 | 4 |
| | -33.3 | 3.59 | 3.30 | Y112S-4 | 4 |
| | -39.9 | 3.43 | 3.86 | Y132S-4 | 5.5 |
| | -46.6 | 3.35 | 4.20 | Y132S-4 | 5.5 |
| | -53.3 | 3.27 | 4.77 | Y132S-4 | 5.5 |
| 1570 | -13.3 | 4.35 | 1.82 | Y100L1-4 | 2.2 |
| | -19.9 | 4.21 | 2.40 | Y100L2-4 | 3 |
| | -26.6 | 4.07 | 2.99 | Y112M-4 | 4 |
| | -33.3 | 3.92 | 3.57 | Y132S-4 | 5.5 |
| | -39.9 | 3.77 | 4.16 | Y132S-4 | 5.5 |
| | -46.6 | 3.66 | 4.51 | Y132S-4 | 5.5 |
| | -53.3 | 3.55 | 5.09 | Y132M-4 | 7.5 |
| 1660 | -13.3 | 4.64 | 2.01 | Y100L2-4 | 3 |
| | -19.9 | 4.51 | 2.62 | Y100L2-4 | 3 |
| | -26.6 | 4.37 | 3.24 | Y112M-4 | 4 |
| | -33.3 | 4.22 | 3.85 | Y132S-4 | 5.5 |
| | -39.9 | 4.06 | 4.46 | Y132S-4 | 5.5 |
| | -46.6 | 3.96 | 4.82 | Y132M-4 | 7.5 |
| | -53.3 | 3.86 | 5.38 | Y132M-4 | 7.5 |
| 1750 | -13.3 | 4.95 | 2.23 | Y100L2-4 | 3 |
| | -19.9 | 4.81 | 2.85 | Y112M-4 | 4 |
| | -26.6 | 4.67 | 3.48 | Y112M-4 | 4 |
| | -33.3 | 4.53 | 4.11 | Y132S-4 | 5.5 |
| | -39.9 | 4.38 | 4.73 | Y132S-4 | 5.5 |
| | -46.6 | 4.27 | 5.10 | Y132M-4 | 7.5 |
| | -53.3 | 4.16 | 5.68 | Y132M-4 | 7.5 |
| 1840 | -13.3 | 5.23 | 2.42 | Y100L2-4 | 3 |
| | -19.9 | 5.10 | 3.09 | Y112M-4 | 4 |
| | -26.6 | 4.96 | 3.75 | Y132S-4 | 5.5 |
| | -33.3 | 4.81 | 4.42 | Y132S-4 | 5.5 |
| | -39.9 | 4.65 | 5.09 | Y132M-4 | 7.5 |
| | -46.6 | 4.55 | 5.48 | Y132M-4 | 7.5 |
| | -53.3 | 4.45 | 5.97 | Y132M-4 | 7.5 |
| 1930 | -13.3 | 5.53 | 2.46 | Y100L2-4 | 3 |
| | -19.9 | 5.40 | 3.33 | Y112M-4 | 4 |
| | -26.6 | 5.26 | 4.02 | Y132S-4 | 5.5 |
| | -33.3 | 5.11 | 4.72 | Y132S-4 | 5.5 |
| | -39.9 | 4.95 | 5.41 | Y132M-4 | 7.5 |
| | -46.6 | 4.85 | 5.82 | Y132M-4 | 7.5 |
| | -53.3 | 4.75 | 6.26 | Y132M-4 | 7.5 |
| 2100 | -13.3 | 6.09 | 2.88 | Y112M-4 | 4 |
| | -19.9 | 5.96 | 3.65 | Y132S-4 | 5.5 |
| | -26.6 | 5.82 | 4.42 | Y132S-4 | 5.5 |
| | -33.3 | 5.65 | 5.19 | Y132M-4 | 7.5 |
| | -39.9 | 5.49 | 5.96 | Y132M-4 | 7.5 |
| | -46.6 | 5.41 | 6.42 | Y132M-4 | 7.5 |
| | -53.3 | 5.33 | 6.88 | Y160M-4 | 11 |
| 2300 | -13.3 | 6.75 | 3.27 | Y112M-4 | 4 |
| | -19.9 | 6.62 | 4.12 | Y132S-4 | 5.5 |
| | -26.6 | 6.48 | 4.96 | Y132M-4 | 7.5 |
| | -33.3 | 6.31 | 5.80 | Y132M-4 | 7.5 |
| | -39.9 | 6.15 | 6.65 | Y160M-4 | 11 |
| | -46.6 | 6.07 | 7.14 | Y160M-4 | 11 |
| | -53.3 | 5.99 | 7.63 | Y160M-4 | 11 |

### GRT-100V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 1070 | -13.3 | 4.35 | 1.56 | Y100L2-4 | 3 |
| | -19.9 | 4.06 | 2.24 | Y100L2-4 | 3 |
| | -26.6 | 3.80 | 2.92 | Y112M-4 | 4 |
| | -33.3 | 3.57 | 3.60 | Y132S-4 | 5.5 |
| | -39.9 | 3.34 | 4.28 | Y132S-4 | 5.5 |
| 1160 | -13.3 | 4.83 | 1.80 | Y100L2-4 | 3 |
| | -19.9 | 4.56 | 2.53 | Y100L2-4 | 3 |
| | -26.6 | 4.29 | 3.27 | Y112M-4 | 4 |
| | -33.3 | 4.03 | 4.10 | Y132S-4 | 5.5 |
| | -39.9 | 3.78 | 4.72 | Y132S-4 | 5.5 |
| | -46.6 | 3.63 | 5.17 | Y132M-4 | 7.5 |
| | -53.3 | 3.48 | 5.91 | Y132M-4 | 7.5 |
| 1240 | -13.3 | 5.27 | 1.97 | Y100L2-4 | 3 |
| | -19.9 | 4.99 | 2.74 | Y112M-4 | 4 |
| | -26.6 | 4.72 | 3.52 | Y132S-4 | 5.5 |
| | -33.3 | 4.46 | 4.29 | Y132S-4 | 5.5 |
| | -39.9 | 4.20 | 5.07 | Y132M-4 | 7.5 |
| | -46.6 | 4.07 | 5.52 | Y132M-4 | 7.5 |
| | -53.3 | 3.94 | 5.97 | Y132M-4 | 7.5 |
| 1320 | -13.3 | 5.80 | 2.09 | Y100L2-4 | 3 |
| | -19.9 | 5.54 | 2.94 | Y112M-4 | 4 |
| | -26.6 | 5.27 | 3.79 | Y132S-4 | 5.5 |
| | -33.3 | 5.01 | 4.64 | Y132S-4 | 5.5 |
| | -39.9 | 4.74 | 5.40 | Y132M-4 | 7.5 |
| | -46.6 | 4.58 | 6.00 | Y132M-4 | 7.5 |
| | -53.3 | 4.42 | 6.51 | Y132M-4 | 7.5 |
| 1480 * | -13.3 | 6.51 | 2.27 | Y100L2-4 | 3 |
| | -19.9 | 6.28 | 3.19 | Y112M-4 | 4 |
| | -26.6 | 6.05 | 4.14 | Y132S-4 | 5.5 |
| | -33.3 | 5.82 | 5.05 | Y132M-4 | 7.5 |
| | -39.9 | 5.60 | 5.97 | Y132M-4 | 7.5 |
| | -46.6 | 5.47 | 6.59 | Y160M-4 | 11 |
| | -53.3 | 5.34 | 7.54 | Y160M-4 | 11 |
| 1580 | -13.3 | 5.99 | 2.45 | Y100L2-4 | 3 |
| | -19.9 | 6.77 | 3.43 | Y112M-4 | 4 |
| | -26.6 | 6.55 | 4.44 | Y132S-4 | 5.5 |
| | -33.3 | 6.33 | 5.44 | Y132M-4 | 7.5 |
| | -39.9 | 6.10 | 6.40 | Y132M-4 | 7.5 |
| | -46.6 | 5.96 | 7.04 | Y160M-4 | 11 |
| | -53.3 | 5.82 | 8.05 | Y160M-4 | 11 |
| 1700 | -13.3 | 7.57 | 2.66 | Y112M-4 | 4 |
| | -19.9 | 7.37 | 3.72 | Y132S-4 | 5.5 |
| | -26.6 | 7.16 | 4.79 | Y132S-4 | 5.5 |
| | -33.3 | 6.95 | 5.86 | Y132M-4 | 7.5 |
| | -39.9 | 6.73 | 6.92 | Y160M-4 | 11 |
| | -46.6 | 6.60 | 7.57 | Y160M-4 | 11 |
| | -53.3 | 6.47 | 8.66 | Y160M-4 | 11 |
| 1790 | -13.3 | 8.00 | 2.87 | Y112M-4 | 4 |
| | -19.9 | 7.81 | 3.95 | Y132S-4 | 5.5 |
| | -26.6 | 7.60 | 5.07 | Y132M-4 | 7.5 |
| | -33.3 | 7.38 | 6.19 | Y132M-4 | 7.5 |
| | -39.9 | 7.15 | 7.27 | Y160M-4 | 11 |
| | -46.6 | 7.01 | 7.98 | Y160M-4 | 11 |
| | -53.3 | 6.87 | 9.13 | Y160M-4 | 11 |
| 1890 | -13.3 | 8.47 | 3.03 | Y112M-4 | 4 |
| | -19.9 | 8.29 | 4.21 | Y132S-4 | 5.5 |
| | -26.6 | 8.09 | 5.39 | Y132M-4 | 7.5 |
| | -33.3 | 7.88 | 6.56 | Y160M-4 | 11 |
| | -39.9 | 7.66 | 7.74 | Y160M-4 | 11 |
| | -46.6 | 7.53 | 8.45 | Y160M-4 | 11 |
| | -53.3 | 7.40 | 9.16 | Y160M-4 | 11 |
| 2010 | -13.3 | 9.08 | 3.23 | Y112M-4 | 4 |
| | -19.9 | 8.92 | 4.48 | Y132S-4 | 5.5 |
| | -26.6 | 8.75 | 5.74 | Y132M-4 | 7.5 |
| | -33.3 | 8.57 | 7.00 | Y160M-4 | 11 |
| | -39.9 | 8.38 | 8.26 | Y160M-4 | 11 |
| | -46.6 | 8.27 | 9.03 | Y160M-4 | 11 |
| | -53.3 | 5.16 | 10.24 | Y160L-4 | 15 |
| 2200 | -13.3 | 10.07 | 3.56 | Y132S-4 | 5.5 |
| | -19.9 | 9.91 | 5.00 | Y132M-4 | 7.5 |
| | -26.6 | 9.63 | 6.37 | Y132M-4 | 7.5 |
| | -33.3 | 9.33 | 7.79 | Y160M-4 | 11 |
| | -39.9 | 9.06 | 9.13 | Y160M-4 | 11 |
| | -46.6 | 8.89 | 9.95 | Y160L-4 | 15 |
| | -53.3 | 8.72 | 11.21 | Y160L-4 | 15 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT-125V/150V

## Type GRT-125V/150V Series Vacuum Degree Performance Parameters table

### GRT-125V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 980 * | -13.3 | 6.24 | 2.27 | Y132M2-4 | 5.5 |
| | -19.9 | 5.97 | 3.17 | Y132M2-4 | 5.5 |
| | -26.6 | 5.70 | 4.07 | Y132M2-4 | 5.5 |
| | -33.3 | 5.42 | 4.41 | Y132M2-4 | 5.5 |
| | -39.9 | 5.14 | 5.86 | Y160M-4 | 7.5 |
| | -46.6 | 5.01 | 6.40 | Y160M-4 | 7.5 |
| | -53.3 | 4.88 | 6.94 | Y160L-4 | 11 |
| 1050 | -13.3 | 6.75 | 2.60 | Y132S-4 | 5.5 |
| | -19.9 | 6.48 | 3.53 | Y132S-4 | 5.5 |
| | -26.6 | 6.21 | 4.47 | Y132S-4 | 5.5 |
| | -33.3 | 5.94 | 5.41 | Y132M-4 | 7.5 |
| | -39.9 | 5.66 | 6.53 | Y132M-4 | 7.5 |
| | -46.6 | 5.61 | 6.89 | Y160M-4 | 11 |
| | -53.3 | 5.56 | 7.56 | Y160M-4 | 11 |
| 1200 | -13.3 | 7.77 | 3.26 | Y132S-4 | 5.5 |
| | -19.9 | 7.51 | 4.31 | Y132S-4 | 5.5 |
| | -26.6 | 7.25 | 5.37 | Y132M-4 | 7.5 |
| | -33.3 | 6.98 | 6.42 | Y132M-4 | 7.5 |
| | -39.9 | 6.69 | 7.47 | Y160M-4 | 11 |
| | -46.6 | 6.58 | 8.08 | Y160M-4 | 11 |
| | -53.3 | 6.47 | 8.69 | Y160M-4 | 11 |
| 1310 | -13.3 | 8.57 | 3.71 | Y132S-4 | 5.5 |
| | -19.9 | 8.36 | 4.87 | Y132M-4 | 7.5 |
| | -26.6 | 8.13 | 6.02 | Y132M-4 | 7.5 |
| | -33.3 | 7.88 | 7.18 | Y160M-4 | 11 |
| | -39.9 | 7.61 | 8.33 | Y160M-4 | 11 |
| | -46.6 | 7.44 | 9.00 | Y160M-4 | 11 |
| | -53.3 | 7.27 | 9.67 | Y160M-4 | 11 |
| 1410 | -13.3 | 9.27 | 4.05 | Y132S-4 | 5.5 |
| | -19.9 | 9.05 | 5.29 | Y132M-4 | 7.5 |
| | -26.6 | 8.82 | 6.53 | Y132M-4 | 7.5 |
| | -33.3 | 8.57 | 7.77 | Y160M-4 | 11 |
| | -39.9 | 8.30 | 9.00 | Y160M-4 | 11 |
| | -46.6 | 8.15 | 9.73 | Y160M-4 | 11 |
| | -53.3 | 8.00 | 10.46 | Y160L-4 | 15 |
| 1470 * | -13.3 | 9.70 | 4.37 | Y132S-4 | 5.5 |
| | -19.9 | 9.48 | 5.66 | Y132M-4 | 7.5 |
| | -26.6 | 9.25 | 6.95 | Y160M-4 | 11 |
| | -33.3 | 9.02 | 8.23 | Y160M-4 | 11 |
| | -39.9 | 8.78 | 9.50 | Y160M-4 | 11 |
| | -46.6 | 8.50 | 10.28 | Y160L-4 | 15 |
| | -53.3 | 8.22 | 11.06 | Y160L-4 | 15 |
| 1550 | -13.3 | 10.37 | 4.62 | Y132S-4 | 5.5 |
| | -19.9 | 10.00 | 5.98 | Y132M-4 | 7.5 |
| | -26.6 | 9.82 | 7.34 | Y160M-4 | 11 |
| | -33.3 | 9.58 | 8.70 | Y160M-4 | 11 |
| | -39.9 | 9.33 | 10.10 | Y160L-4 | 15 |
| | -46.6 | 9.13 | 10.92 | Y160L-4 | 15 |
| | -53.3 | 8.93 | 11.74 | Y160L-4 | 15 |
| 1650 | -13.3 | 11.00 | 5.18 | Y132M-4 | 7.5 |
| | -19.9 | 10.70 | 6.64 | Y160M-4 | 11 |
| | -26.6 | 10.50 | 8.11 | Y160M-4 | 11 |
| | -33.3 | 10.30 | 9.58 | Y160M-4 | 11 |
| | -39.9 | 10.00 | 11.10 | Y160L-4 | 15 |
| | -46.6 | 9.64 | 11.93 | Y160L-4 | 15 |
| | -53.3 | 9.18 | 12.76 | Y160L-4 | 15 |
| 1770 | -13.3 | 11.80 | 5.70 | Y132M-4 | 7.5 |
| | -19.9 | 11.50 | 7.23 | Y160M-4 | 11 |
| | -26.6 | 11.30 | 8.75 | Y160M-4 | 11 |
| | -33.3 | 11.10 | 10.30 | Y160L-4 | 15 |
| | -39.9 | 10.90 | 11.80 | Y160L-4 | 15 |
| | -46.6 | 10.38 | 12.71 | Y160L-4 | 15 |
| | -53.3 | 9.86 | 13.62 | Y132M-4 | 7.5 |
| 1880 | -13.3 | 12.50 | 6.25 | Y160M-4 | 11 |
| | -19.9 | 12.30 | 7.86 | Y160M-4 | 11 |
| | -26.6 | 12.00 | 9.46 | Y160M-4 | 11 |
| | -33.3 | 11.80 | 11.10 | Y160L-4 | 15 |
| | -39.9 | 11.60 | 12.70 | Y160L-4 | 15 |
| | -46.6 | 11.16 | 13.66 | Y160L-4 | 15 |
| | -53.3 | 10.72 | 14.62 | Y180M-4 | 18.5 |
| 2000 | -13.3 | 13.37 | 6.84 | Y160M-4 | 11 |
| | -19.9 | 13.17 | 8.55 | Y160M-4 | 11 |
| | -26.6 | 12.85 | 10.27 | Y160L-4 | 15 |
| | -33.3 | 12.51 | 11.97 | Y160L-4 | 15 |
| | -39.9 | 12.21 | 13.69 | Y160L-4 | 15 |
| | -46.6 | 12.04 | 14.72 | Y180M-4 | 18.5 |
| | -53.3 | 11.87 | 15.75 | Y180M-4 | 18.5 |

### GRT-150V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 810 | -13.3 | 12.60 | 3.51 | Y132M-4 | 7.5 |
| | -19.9 | 12.20 | 5.23 | Y132M-4 | 7.5 |
| | -26.6 | 11.80 | 7.00 | Y160M-4 | 11 |
| | -33.3 | 11.40 | 8.78 | Y160M-4 | 11 |
| | -39.9 | 11.00 | 10.50 | Y160L-4 | 15 |
| | -46.6 | 10.75 | 12.26 | Y160L-4 | 15 |
| | -53.3 | 10.50 | 14.02 | Y180M-4 | 18.5 |
| 870 | -13.3 | 13.80 | 4.12 | Y132M-4 | 7.5 |
| | -19.9 | 13.30 | 6.00 | Y132M-4 | 7.5 |
| | -26.6 | 12.80 | 7.80 | Y160M-4 | 11 |
| | -33.3 | 12.30 | 9.77 | Y160M-4 | 11 |
| | -39.9 | 11.80 | 11.70 | Y160L-4 | 15 |
| | -46.6 | 11.50 | 13.16 | Y160L-4 | 15 |
| | -53.3 | 11.20 | 15.06 | Y180M-4 | 18.5 |
| 990 * | -13.3 | 15.60 | 4.46 | Y132M-4 | 7.5 |
| | -19.9 | 15.10 | 6.58 | Y160M-4 | 11 |
| | -26.6 | 14.60 | 8.70 | Y160M-4 | 11 |
| | -33.3 | 14.20 | 10.80 | Y160L-4 | 15 |
| | -39.9 | 13.80 | 12.90 | Y160L-4 | 15 |
| | -46.6 | 13.60 | 14.98 | Y180M-4 | 18.5 |
| | -53.3 | 13.40 | 15.44 | Y180M-4 | 18.5 |
| 1120 | -13.3 | 17.70 | 6.61 | Y160M-4 | 11 |
| | -19.9 | 17.30 | 8.94 | Y160M-4 | 11 |
| | -26.6 | 16.80 | 11.30 | Y160L-4 | 15 |
| | -33.3 | 16.30 | 13.60 | Y160L-4 | 15 |
| | -39.9 | 15.80 | 15.90 | Y180M-4 | 18.5 |
| | -46.6 | 15.55 | 17.30 | Y180L-4 | 22 |
| | -53.3 | 15.30 | 18.70 | Y180L-4 | 22 |
| 1200 | -13.3 | 19.20 | 7.57 | Y160M-4 | 11 |
| | -19.9 | 18.70 | 9.93 | Y160M-4 | 11 |
| | -26.6 | 18.20 | 12.30 | Y160L-4 | 15 |
| | -33.3 | 17.80 | 14.70 | Y180M-4 | 18.5 |
| | -39.9 | 17.30 | 17.00 | Y180L-4 | 22 |
| | -46.6 | 16.93 | 18.48 | Y180L-4 | 22 |
| | -53.3 | 16.56 | 20.77 | Y200L-4 | 30 |
| 1270 | -13.3 | 20.30 | 8.40 | Y160M-4 | 11 |
| | -19.9 | 19.90 | 10.80 | Y160L-4 | 15 |
| | -26.6 | 19.50 | 13.20 | Y160L-4 | 15 |
| | -33.3 | 19.10 | 15.60 | Y180M-4 | 18.5 |
| | -39.9 | 18.70 | 18.00 | Y180L-4 | 22 |
| | -46.6 | 18.09 | 19.42 | Y180L-4 | 22 |
| | -53.3 | 17.48 | 21.98 | Y200L-4 | 30 |
| 1410 | -13.3 | 22.50 | 10.50 | Y160L-4 | 15 |
| | -19.9 | 22.10 | 13.20 | Y160L-4 | 15 |
| | -26.6 | 21.70 | 15.90 | Y180M-4 | 18.5 |
| | -33.3 | 21.30 | 18.60 | Y225M-4 | 22 |
| | -39.9 | 20.90 | 21.30 | Y200L-4 | 30 |
| | -46.6 | 20.69 | 22.90 | Y200L-4 | 30 |
| | -53.3 | 20.46 | 24.50 | Y200L-4 | 30 |
| 1540 | -13.3 | 24.70 | 12.50 | Y160L-4 | 15 |
| | -19.9 | 24.20 | 15.40 | Y180M-4 | 18.5 |
| | -26.6 | 23.70 | 18.30 | Y180L-4 | 22 |
| | -33.3 | 23.20 | 21.20 | Y200L-4 | 30 |
| | -39.9 | 22.70 | 24.00 | Y200L-4 | 30 |
| | -46.6 | 22.25 | 25.70 | Y200L-4 | 30 |
| | -53.3 | 21.80 | 27.40 | Y225S-4 | 37 |
| 1670 | -13.3 | 26.50 | 14.30 | Y180M-4 | 18.5 |
| | -19.9 | 26.00 | 17.40 | Y180L-4 | 22 |
| | -26.6 | 25.50 | 20.50 | Y200L-4 | 30 |
| | -33.3 | 25.00 | 23.50 | Y200L-4 | 30 |
| | -39.9 | 24.50 | 26.60 | Y200L-4 | 30 |
| | -46.6 | 24.22 | 28.41 | Y225S-4 | 37 |
| | -53.3 | 23.92 | 30.22 | Y225S-4 | 37 |
| 1780 | -13.3 | 27.80 | 15.90 | Y180M-4 | 18.5 |
| | -19.9 | 27.30 | 19.20 | Y180L-4 | 22 |
| | -26.6 | 26.80 | 22.50 | Y200L-4 | 30 |
| | -33.3 | 26.30 | 25.80 | Y200L-4 | 30 |
| | -39.9 | 25.70 | 29.10 | Y225S-4 | 37 |
| | -46.6 | 25.50 | 31.07 | Y225S-4 | 37 |
| | -53.3 | 25.30 | 33.04 | Y225S-4 | 37 |
| 1900 | -13.3 | 29.25 | 17.77 | Y180L-4 | 22 |
| | -19.9 | 28.81 | 21.09 | Y200L-4 | 30 |
| | -26.6 | 27.91 | 24.83 | Y200L-4 | 30 |
| | -33.3 | 27.34 | 28.45 | Y225S-4 | 37 |
| | -39.9 | 26.72 | 32.26 | Y225S-4 | 37 |
| | -46.6 | 26.47 | 33.93 | Y225M-4 | 45 |
| | -53.3 | 26.22 | 35.60 | Y225M-4 | 45 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

GEAROOT
IBÉRICA

# GRT-175V/200V

## Type GRT-175V/200V Series Vacuum Degree Perfomance Parameters table

### GRT-175V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 970 * | -13.3 | 21.29 | 8.09 | Y160L-4 | 15 |
| | -19.9 | 20.43 | 11.49 | Y160L-4 | 15 |
| | -26.6 | 19.57 | 13.69 | Y180M-4 | 18.5 |
| | -33.3 | 18.86 | 15.85 | Y180M-4 | 18.5 |
| | -39.9 | 18.01 | 19.00 | Y180L-4 | 22 |
| | -48.6 | 17.26 | 22.19 | Y250L-4 | 30 |
| 1110 | -13.3 | 24.84 | 10.07 | Y160L-4 | 15 |
| | -19.9 | 23.90 | 13.81 | Y180M-4 | 18.5 |
| | -26.6 | 23.10 | 16.65 | Y180L-4 | 22 |
| | -33.3 | 22.55 | 19.14 | Y180L-4 | 22 |
| | -39.9 | 21.51 | 21.77 | Y200L-4 | 30 |
| | -40.6 | 19.89 | 25.39 | Y200L-4 | 30 |
| 1180 | -13.3 | 26.63 | 11.46 | Y160L-4 | 15 |
| | -49.0 | 78.3 | 87 | Y115L2-4 | 18.5 |
| | -26.6 | 24.86 | 17.75 | Y180L-4 | 22 |
| | -33.3 | 24.28 | 20.53 | Y200L-4 | 30 |
| | -39.9 | 23.42 | 23.38 | Y200L-4 | 30 |
| | -46.6 | 22.10 | 27.14 | Y200L-4 | 30 |
| 1240 | -13.3 | 28.18 | 11.96 | Y160L-4 | 15 |
| | -19.9 | 27.24 | 15.70 | Y160M-4 | 18.5 |
| | -26.6 | 26.55 | 19.01 | Y180L-4 | 22 |
| | -33.3 | 25.88 | 21.74 | Y200L-4 | 30 |
| | -39.9 | 24.96 | 25.15 | Y200L-4 | 30 |
| | -46.6 | 23.42 | 28.86 | Y225S-4 | 37 |
| 1400 * | -13.3 | 32.18 | 14.20 | Y180M-4 | 18.5 |
| | -19.9 | 31.32 | 18.48 | Y180L-4 | 22 |
| | -26.6 | 30.57 | 22.64 | Y200L-4 | 30 |
| | -33.3 | 29.95 | 25.53 | Y200L-4 | 30 |
| | -39.9 | 29.08 | 29.27 | Y225S-4 | 37 |
| | -46.6 | 28.02 | 33.12 | Y225S-4 | 37 |
| 1520 | -13.3 | 35.15 | 16.11 | Y180L-4 | 22 |
| | -19.9 | 34.25 | 20.99 | Y200L-4 | 30 |
| | -26.6 | 33.65 | 24.85 | Y200L-4 | 30 |
| | -33.3 | 32.91 | 28.58 | Y225S-4 | 37 |
| | -39.9 | 32.03 | 32.33 | Y225S-4 | 37 |
| | -46.6 | 30.98 | 36.84 | Y225M-4 | 45 |
| 1620 | -13.3 | 37.47 | 18.02 | Y180L-4 | 22 |
| | -19.9 | 36.62 | 23.57 | Y200L-4 | 30 |
| | -26.6 | 35.79 | 27.67 | Y200L-4 | 30 |
| | -33.3 | 35.13 | 31.53 | Y225S-4 | 37 |
| | -39.9 | 34.23 | 35.84 | Y225M-4 | 45 |
| | -46.6 | 32.59 | 40.58 | Y225M-4 | 45 |
| 1730 | -13.3 | 40.00 | 22.19 | Y200M-4 | 30 |
| | -19.9 | 39.12 | 26.00 | Y200L-4 | 30 |
| | -26.6 | 38.22 | 30.85 | Y225S-4 | 37 |
| | -33.3 | 37.66 | 35.35 | Y225M-4 | 45 |
| | -39.9 | 36.67 | 39.61 | Y225M-4 | 45 |
| | -46.6 | 34.68 | 44.80 | Y250M-4 | 55 |

### GRT-200V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 810 | -13.3 | 31.07 | 10.38 | Y180M-4 | 18.5 |
| | -19.9 | 29.92 | 14.89 | Y180M-4 | 18.5 |
| | -26.6 | 29.01 | 18.96 | Y180L-4 | 22 |
| | -33.3 | 28.16 | 23.20 | Y200L-4 | 30 |
| | -39.9 | 27.08 | 27.75 | Y200L-4 | 30 |
| | -46.6 | 25.72 | 32.41 | Y225S-4 | 37 |
| | -53.3 | 24.36 | 37.07 | Y225M-4 | 45 |
| 900 | -13.3 | 34.92 | 12.49 | Y180M-4 | 18.5 |
| | -19.9 | 33.98 | 17.37 | Y180L-4 | 22 |
| | -26.6 | 33.17 | 22.01 | Y200L-4 | 30 |
| | -33.3 | 32.28 | 26.82 | Y200L-4 | 30 |
| | -39.9 | 31.16 | 31.49 | Y225S-4 | 37 |
| | -46.6 | 29.76 | 36.01 | Y225M-4 | 45 |
| | -53.3 | 28.36 | 41.19 | Y225M-4 | 45 |
| 980 * | -13.3 | 38.39 | 14.40 | Y180M-4 | 18.5 |
| | -19.9 | 37.24 | 19.66 | Y180L-4 | 22 |
| | -26.6 | 36.85 | 24.80 | Y200L-4 | 30 |
| | -33.3 | 35.97 | 30.06 | Y225S-4 | 37 |
| | -39.9 | 35.10 | 35.14 | Y225M-4 | 45 |
| | -46.6 | 34.60 | 39.21 | Y225M-4 | 45 |
| | -53.3 | 34.10 | 44.85 | Y250M-4 | 55 |
| 1070 | -13.3 | 42.37 | 16.95 | Y180L-4 | 22 |
| | -19.9 | 41.02 | 21.61 | Y200L-4 | 30 |
| | -26.6 | 40.97 | 27.72 | Y200L-4 | 30 |
| | -33.3 | 40.09 | 33.57 | Y225S-4 | 37 |
| | -39.9 | 38.86 | 39.32 | Y225M-4 | 45 |
| | -46.6 | 36.37 | 42.82 | Y250M-4 | 55 |
| | -53.3 | 33.88 | 48.97 | Y250M-4 | 55 |
| 1150 | -13.3 | 45.90 | 18.61 | Y180L-4 | 22 |
| | -19.9 | 45.25 | 24.06 | Y200L-4 | 30 |
| | -26.6 | 44.65 | 30.15 | Y225S-4 | 37 |
| | -33.3 | 43.72 | 36.35 | Y225M-4 | 45 |
| | -39.9 | 42.50 | 42.76 | Y250M-4 | 55 |
| | -46.6 | 40.96 | 46.16 | Y250M-4 | 55 |
| | -53.3 | 39.42 | 52.63 | Y280S-4 | 75 |
| 1230 | -13.3 | 49.01 | 20.58 | Y200L-4 | 30 |
| | -19.9 | 48.38 | 26.74 | Y200L-4 | 30 |
| | -26.6 | 47.79 | 33.47 | Y225S-4 | 37 |
| | -33.3 | 47.02 | 40.25 | Y225M-4 | 45 |
| | -39.9 | 45.87 | 46.83 | Y250M-4 | 55 |
| | -46.6 | 43.78 | 50.74 | Y250M-4 | 55 |
| | -53.3 | 41.69 | 56.29 | Y280S-4 | 75 |
| 1310 | -13.3 | 52.26 | 23.03 | Y200L-4 | 30 |
| | -19.9 | 51.61 | 29.61 | Y225S-4 | 37 |
| | -26.6 | 50.95 | 36.65 | Y225M-4 | 45 |
| | -33.3 | 50.33 | 43.84 | Y250M-4 | 55 |
| | -39.9 | 49.24 | 50.97 | Y250M-4 | 55 |
| | -46.6 | 46.60 | 55.13 | Y280S-4 | 75 |
| | -53.3 | 43.96 | 59.96 | Y280S-4 | 75 |
| 1390 | -13.3 | 55.22 | 25.15 | Y200L-4 | 30 |
| | -19.9 | 54.65 | 32.33 | Y225S-4 | 37 |
| | -26.6 | 54.11 | 39.86 | Y225M-4 | 45 |
| | -33.3 | 53.61 | 47.40 | Y250M-4 | 55 |
| | -39.9 | 52.64 | 55.03 | Y280S-4 | 75 |
| | -46.6 | 49.44 | 59.57 | Y280S-4 | 75 |
| | -53.3 | 44.24 | 64.11 | Y280S-4 | 75 |
| 1480 * | -13.3 | 58.65 | 27.52 | Y200L-4 | 30 |
| | -19.9 | 58.17 | 34.85 | Y225M-4 | 45 |
| | -26.6 | 57.64 | 43.13 | Y250M-4 | 55 |
| | -33.3 | 57.05 | 51.20 | Y280S-4 | 75 |
| | -39.9 | 56.46 | 59.06 | Y280S-4 | 75 |
| | -46.6 | 53.61 | 63.76 | Y280S-4 | 75 |
| | -53.3 | 48.76 | 68.46 | Y280S-4 | 75 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT-200BV/250V

## Type GRT-200BV/250V Series Vacuum Degree Performance Parameters table

### GRT-200BV

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 740 * | -13.3 | 21.29 | 8.09 | Y160L-4 | 15 |
| | -19.9 | 20.43 | 11.19 | Y160L-4 | 15 |
| | -26.6 | 19.57 | 13.69 | Y180M-4 | 18.5 |
| | -33.3 | 18.86 | 15.85 | Y180M-4 | 18.5 |
| | -39.9 | 18.01 | 18.88 | Y180L-4 | 22 |
| | -46.6 | 17.26 | 22.05 | Y200L-4 | 30 |
| | -53.3 | 16.51 | 25.22 | Y200L-4 | 30 |
| 850 | -13.3 | 24.84 | 10.07 | Y160L-4 | 15 |
| | -19.9 | 23.90 | 13.81 | Y180M-4 | 18.5 |
| | -26.6 | 23.10 | 16.65 | Y180L-4 | 22 |
| | -33.3 | 22.55 | 19.14 | Y180L-4 | 22 |
| | -39.9 | 21.51 | 21.70 | Y200L-4 | 30 |
| | -46.6 | 19.89 | 24.80 | Y200L-4 | 30 |
| | -53.3 | 18.27 | 28.97 | Y225S-4 | 37 |
| 900 | -13.3 | 26.63 | 11.46 | Y160L-4 | 15 |
| | -19.9 | 25.75 | 14.56 | Y180M-4 | 18.5 |
| | -26.6 | 24.86 | 17.75 | Y180L-4 | 22 |
| | -33.3 | 24.28 | 20.53 | Y200L-4 | 30 |
| | -39.9 | 23.42 | 23.38 | Y200L-4 | 30 |
| | -46.6 | 22.10 | 27.14 | Y200L-4 | 30 |
| | -53.3 | 20.78 | 30.90 | Y225S-4 | 37 |
| 950 * | -13.3 | 28.18 | 11.96 | Y160L-4 | 15 |
| | -19.9 | 27.24 | 15.70 | Y180M-4 | 18.5 |
| | -26.6 | 26.55 | 19.01 | Y180L-4 | 22 |
| | -33.3 | 25.88 | 21.74 | Y200L-4 | 30 |
| | -39.9 | 24.96 | 25.15 | Y200L-4 | 30 |
| | -46.6 | 23.42 | 28.86 | Y225S-4 | 37 |
| | -53.3 | 21.88 | 32.57 | Y225S-4 | 37 |
| 1070 | -13.3 | 32.18 | 14.20 | Y180M-4 | 18.5 |
| | -19.9 | 31.32 | 18.48 | Y180L-4 | 22 |
| | -26.6 | 30.57 | 22.64 | Y200L-4 | 30 |
| | -33.3 | 29.95 | 25.53 | Y200L-4 | 30 |
| | -39.9 | 29.08 | 29.27 | Y225S-4 | 37 |
| | -46.6 | 28.02 | 33.12 | Y225S-4 | 37 |
| | -53.3 | 26.96 | 36.97 | Y225M-4 | 45 |
| 1160 | -13.3 | 35.15 | 16.11 | Y180L-4 | 22 |
| | -19.9 | 34.25 | 20.99 | Y200L-4 | 30 |
| | -26.6 | 33.65 | 24.85 | Y200L-4 | 30 |
| | -33.3 | 32.91 | 28.58 | Y225S-4 | 37 |
| | -39.9 | 32.03 | 32.33 | Y225S-4 | 37 |
| | -46.6 | 30.98 | 36.84 | Y225M-4 | 45 |
| | -53.3 | 29.93 | 41.35 | Y225M-4 | 45 |
| 1240 | -13.3 | 37.47 | 18.02 | Y180L-4 | 22 |
| | -19.9 | 36.62 | 23.57 | Y200L-4 | 30 |
| | -26.6 | 35.79 | 27.67 | Y225S-4 | 37 |
| | -33.3 | 35.13 | 31.53 | Y225S-4 | 37 |
| | -39.9 | 34.23 | 35.84 | Y225M-4 | 45 |
| | -46.6 | 32.59 | 40.58 | Y225M-4 | 45 |
| | -53.3 | 30.95 | 45.32 | Y250M-4 | 55 |
| 1320 | -13.3 | 40.00 | 22.19 | Y200L-4 | 30 |
| | -19.9 | 39.12 | 26.00 | Y200L-4 | 30 |
| | -26.6 | 38.22 | 30.85 | Y225S-4 | 37 |
| | -33.3 | 37.66 | 35.35 | Y225M-4 | 45 |
| | -39.9 | 36.67 | 39.61 | Y225M-4 | 45 |
| | -46.6 | 34.68 | 44.80 | Y250M-4 | 55 |
| | -53.3 | 48.76 | 49.99 | Y250M-4 | 55 |

### GRT-250V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 990 * | -13.3 | 62.70 | 25.15 | Y200L-4 | 30 |
| | -19.9 | 62.10 | 33.54 | Y225M-4 | 45 |
| | -26.6 | 61.00 | 45.15 | Y250M-4 | 55 |
| | -33.3 | 60.20 | 51.36 | Y280S-4 | 75 |
| | -39.9 | 59.50 | 57.26 | Y280S-4 | 75 |
| | -46.6 | 58.90 | 64.42 | Y280S-4 | 75 |
| | -53.3 | 58.20 | 71.58 | Y280M-4 | 90 |
| 1170 | -13.3 | 73.90 | 31.06 | Y225S-4 | 37 |
| | -19.9 | 73.00 | 36.99 | Y225M-4 | 45 |
| | -26.6 | 72.20 | 50.75 | Y250M-4 | 55 |
| | -33.3 | 71.40 | 57.12 | Y280S-4 | 75 |
| | -39.9 | 70.50 | 65.28 | Y280S-4 | 75 |
| | -46.6 | 69.40 | 72.59 | Y280M-4 | 90 |
| | -53.3 | 68.30 | 82.27 | Y280M-4 | 90 |
| 1250 | -13.3 | 78.60 | 34.20 | Y225M-4 | 45 |
| | -19.9 | 77.50 | 40.64 | Y250M-4 | 55 |
| | -26.6 | 76.40 | 55.58 | Y280S-4 | 75 |
| | -33.3 | 75.50 | 61.05 | Y280S-4 | 75 |
| | -39.9 | 74.10 | 69.75 | Y280S-4 | 75 |
| | -46.6 | 73.00 | 78.47 | Y280M-4 | 90 |
| | -53.3 | 71.90 | 87.90 | Y315S-4 | 110 |
| 1360 | -13.3 | 86.60 | 37.21 | Y225M-4 | 45 |
| | -19.9 | 85.90 | 44.18 | Y250M-4 | 55 |
| | -26.6 | 84.80 | 60.47 | Y280S-4 | 75 |
| | -33.3 | 83.70 | 68.63 | Y280M-4 | 90 |
| | -39.9 | 82.00 | 78.66 | Y280M-4 | 90 |
| | -46.6 | 80.10 | 87.38 | Y315S-4 | 110 |
| | -53.3 | 78.20 | 96.10 | Y315S-4 | 110 |
| 1480 * | -13.3 | 93.20 | 40.50 | Y250M-4 | 55 |
| | -19.9 | 91.70 | 46.80 | Y250M-4 | 55 |
| | -26.6 | 89.80 | 63.43 | Y280S-4 | 75 |
| | -33.3 | 88.50 | 72.26 | Y280M-4 | 90 |
| | -39.9 | 87.80 | 82.58 | Y315S-4 | 110 |
| | -46.6 | 86.20 | 92.91 | Y315S-4 | 110 |
| | -53.3 | 84.60 | 104.07 | Y315S-4 | 110 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT-300V/350V

## Type GRT-300V/350V Series Vacuum Degree Perfomance Parameters table

### GRT-300V

| Rotary Speed (r/min) | Vacuum Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 990 * | -13.3 | 89.00 | 41.34 | Y250M-4 | 55 |
| | -19.9 | 88.10 | 47.25 | Y250M-4 | 55 |
| | -26.6 | 87.80 | 62.00 | Y280S-4 | 75 |
| | -33.3 | 87.00 | 70.58 | Y280M-4 | 90 |
| | -39.9 | 86.20 | 82.68 | Y280M-4 | 90 |
| | -46.6 | 85.10 | 87.54 | Y315S-4 | 110 |
| | -53.3 | 84.00 | 96.69 | Y315S-4 | 110 |
| 1170 | -13.3 | 105.40 | 45.11 | Y250M-4 | 55 |
| | -19.9 | 104.50 | 52.13 | Y280S-4 | 75 |
| | -26.6 | 103.20 | 73.31 | Y280M-4 | 90 |
| | -33.3 | 102.00 | 82.44 | Y280M-4 | 90 |
| | -39.9 | 100.80 | 92.00 | Y315S-4 | 110 |
| | -46.6 | 98.80 | 103.49 | Y315S-4 | 110 |
| | -53.3 | 96.80 | 114.98 | Y315M-4 | 132 |
| 1250 | -13.3 | 112.50 | 48.20 | Y250M-4 | 55 |
| | -19.9 | 111.60 | 59.67 | Y280S-4 | 75 |
| | -26.6 | 110.80 | 78.32 | Y280M-4 | 90 |
| | -33.3 | 110.00 | 91.37 | Y315S-4 | 110 |
| | -39.9 | 109.10 | 100.65 | Y315S-4 | 110 |
| | -46.6 | 108.00 | 110.57 | Y315M-4 | 132 |
| | -53.3 | 106.90 | 122.08 | Y315M-4 | 132 |
| 1360 | -13.3 | 125.40 | 52.44 | Y280S-4 | 75 |
| | -19.9 | 124.50 | 64.93 | Y280S-4 | 75 |
| | -26.6 | 123.40 | 83.14 | Y280M-4 | 90 |
| | -33.3 | 126.50 | 94.68 | Y315S-4 | 110 |
| | -39.9 | 121.20 | 108.21 | Y315M-4 | 132 |
| | -46.6 | 120.00 | 120.30 | Y315M-4 | 132 |
| | -53.3 | 118.80 | 132.83 | Y315L1-4 | 160 |
| 1480 * | -13.3 | 136.30 | 61.82 | Y280S-4 | 75 |
| | -19.9 | 135.40 | 76.08 | Y250M-4 | 90 |
| | -26.6 | 134.20 | 98.91 | Y315S-4 | 110 |
| | -33.3 | 133.00 | 112.40 | Y315M-4 | 132 |
| | -39.9 | 131.50 | 123.64 | Y315M-4 | 132 |
| | -46.6 | 130.00 | 137.37 | Y315L1-4 | 160 |
| | -53.3 | 128.50 | 151.10 | Y315L1-4 | 160 |

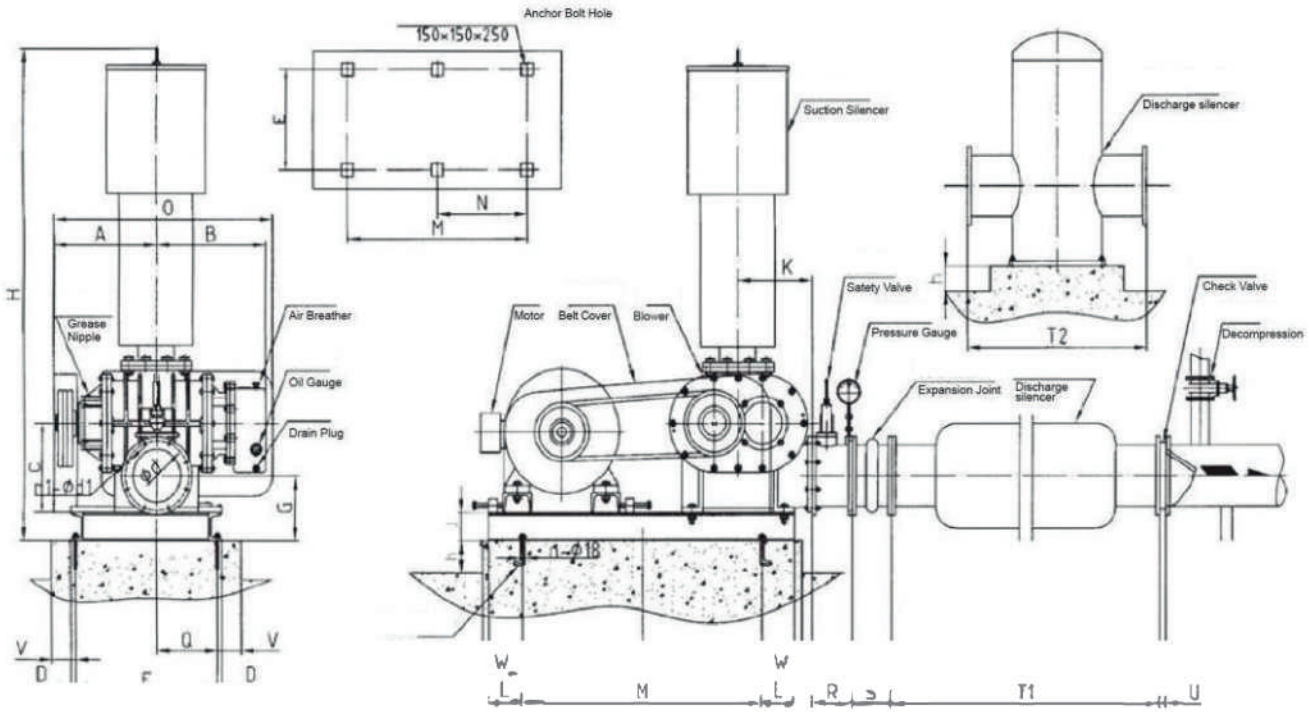
### GRT-350V

| Rotary Speed (r/min) | Vacumm Degree (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | |
|---|---|---|---|---|---|
| | | | | Type | Power (KW) |
| 730 * | -13.3 | 85.50 | 62.00 | Y280S-4 | 75 |
| | -19.9 | 84.20 | 68.52 | Y280M-4 | 90 |
| | -26.6 | 83.10 | 74.81 | Y280M-4 | 90 |
| | -33.3 | 82.00 | 82.20 | Y280M-4 | 90 |
| | -39.9 | 80.90 | 88.50 | Y315S-4 | 110 |
| | -46.6 | 79.90 | 95.30 | Y315S4-4 | 110 |
| 990 * | -18.3 | 116.82 | 65.82 | Y280S-4 | 75 |
| | -19.9 | 115.12 | 72.20 | Y280M-4 | 90 |
| | -26.6 | 114.01 | 81.82 | Y315S-4 | 110 |
| | -33.3 | 112.18 | 91.30 | Y315S-4 | 110 |
| | -39.9 | 110.82 | 102.51 | Y315M-4 | 132 |
| | -46.6 | 109.03 | 121.68 | Y315M-4 | 132 |
| 1170 | -13.3 | 138.06 | 77.78 | Y280M-4 | 90 |
| | -19.9 | 136.05 | 85.32 | Y315S-4 | 110 |
| | -26.6 | 134.73 | 96.69 | Y315S-4 | 110 |
| | -33.3 | 132.57 | 107.89 | Y315M-4 | 132 |
| | -39.9 | 130.96 | 121.14 | Y315M-4 | 132 |
| | -46.6 | 128.85 | 143.80 | Y315L1-4 | 160 |
| 1250 | -13.3 | 147.50 | 83.09 | Y315S-4 | 110 |
| | -19.9 | 145.35 | 91.15 | Y315S-4 | 110 |
| | -26.6 | 143.94 | 103.30 | Y315M-4 | 132 |
| | -38.3 | 140.63 | 115.36 | Y315M-4 | 132 |
| | -39.9 | 139.91 | 129.42 | Y315L1-4 | 160 |
| | -46.6 | 137.66 | 153.62 | Y315L-4 | 185 |
| 1360 | -13.3 | 160.48 | 90.40 | Y315S-4 | 110 |
| | -19.9 | 158.14 | 99.17 | Y315S-4 | 110 |
| | -26.6 | 156.60 | 112.39 | Y315M-4 | 132 |
| | -33.3 | 154.09 | 125.40 | Y315L1-4 | 160 |
| | -39.9 | 152.22 | 140.80 | Y315L1-4 | 160 |
| | -46.6 | 149.77 | 167.13 | Y315L-4 | 185 |
| 1480 * | -13.3 | 176.30 | 98.37 | Y315S-4 | 110 |
| | -19.9 | 175.40 | 107.92 | Y315M-4 | 132 |
| | -26.6 | 174.10 | 122.30 | Y315M1-4 | 132 |
| | -33.3 | 172.80 | 136.46 | Y315M-4 | 160 |
| | -39.9 | 170.60 | 153.22 | Y315L-4 | 185 |
| | -46.6 | 169.40 | 181.87 | Y315L2-4 | 200 |

Note 1. Direct drive is adopted for model with "*"
2. The selected motor is commonly 4 grade motor, voltage 380V
3. The other depending on the speed adjustment extreme number

# GRT (V)

## Type GRT (V) blowers outline dimensions (leather belt transmission)

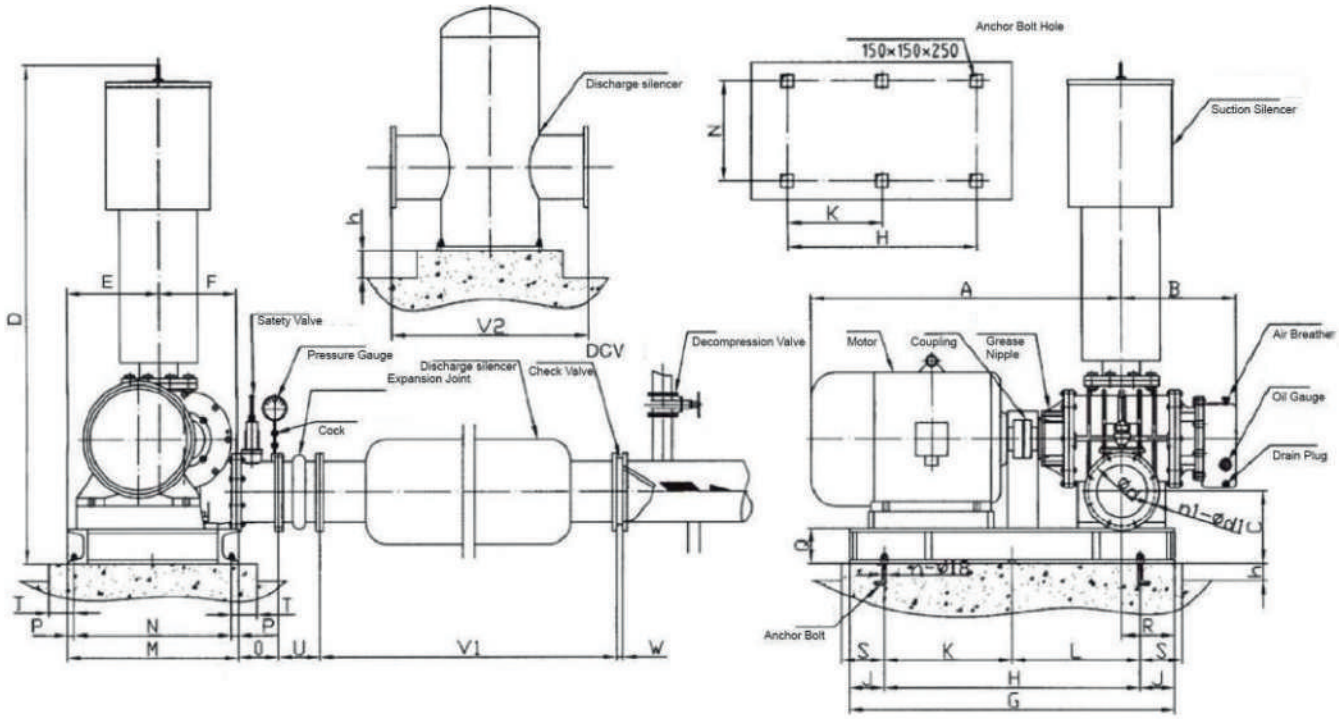



| Type | Power (A) | A | B | C | D | E | G | J | H | K | L | M | N | O | Q | R | S | T | U | V1 | V2 | W | h | n | Φd | n1-Φd1 | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-40 | 40A | 180 | 168 | 110 | 15 | 270 | 125 | 80 | 650 | 135 | 80 | 410 | - | 380 | 180 | 100 | 90 | 500 | 250 | 16 | 100 | 150 | 80 | 4 | 110 | 4-Φ18 | 65 |
| GRT-50 | 50A | 185 | 179 | 128 | 15 | 270 | 125 | 80 | 895 | 135 | 80 | 410 | - | 450 | 160 | 120 | 105 | 600 | 300 | 19 | 100 | 150 | 100 | 4 | 125 | 4-Φ18 | 70 |
| GRT-65 | 65A | 205 | 202 | 135 | 15 | 310 | 135 | 80 | 970 | 135 | 100 | 450 | - | 500 | 170 | 125 | 115 | 700 | 350 | 19 | 100 | 150 | 100 | 4 | 145 | 4-Φ18 | 81 |
| GRT-80 | 80A | 220 | 225 | 180 | 15 | 330 | 150 | 80 | 1130 | 175 | 100 | 500 | - | 530 | 210 | 150 | 135 | 900 | 400 | 19 | 100 | 200 | 100 | 4 | 160 | 8-Φ18 | 123 |
| GRT-100 | 100A | 260 | 265 | 187 | 15 | 440 | 160 | 80 | 1265 | 175 | 100 | 580 | - | 600 | 280 | 150 | 150 | 1200 | 450 | 19 | 100 | 200 | 100 | 4 | 180 | 8-Φ18 | 157 |
| GRT-125 | 125A | 295 | 294 | 217 | 15 | 440 | 190 | 100 | 1515 | 215 | 80 | 700 | - | 710 | 250 | 160 | 165 | 1400 | 500 | 21 | 100 | 200 | 100 | 4 | 210 | 8-Φ22 | 235 |
| GRT-125C | 125A | 323 | 378 | 217 | 20 | 510 | 190 | 100 | 1515 | 215 | 125 | 750 | - | 790 | 297 | 160 | 165 | 1400 | 500 | 21 | 120 | 225 | 100 | 4 | 210 | 8-Φ22 | 320 |
| GRT-150 | 150A | 375 | 377 | 261 | 20 | 550 | 210 | 100 | 1730 | 260 | 155 | 750 | - | 860 | 295 | 155 | 180 | 1600 | 600 | 24 | 120 | 255 | 100 | 4 | 240 | 8-Φ22 | 394 |
| GRT-175 | 150A | 375 | 600 | 261 | 22 | 656 | 210 | 100 | 1730 | 260 | 175 | 800 | - | 920 | 320 | 170 | 180 | 1600 | 600 | 24 | 120 | 275 | 100 | 4 | 240 | 8-Φ22 | 695 |
| GRT-200B | 200A | 445 | 412 | 325 | 24 | 602 | 230 | 100 | 2077 | 330 | 250 | 750 | - | 950 | 356 | 200 | 190 | 1800 | 650 | 29 | 150 | 350 | 100 | 4 | 295 | 8-Φ22 | 755 |
| GRT-200 | 200A | 525 | 550 | 345 | 25 | 705 | 250 | 120 | 2210 | 321 | 200 | 1000 | 500 | 1080 | 400 | 200 | 190 | 1800 | 650 | 29 | 150 | 300 | 100 | 6 | 295 | 8-Φ22 | 900 |
| GRT-250B | 250A | 645 | 589 | 380 | 25 | 800 | 330 | 120 | 2195 | 310 | 250 | 1000 | 500 | 1250 | 384 | 250 | 230 | 2000 | 702 | 30 | 150 | 350 | 100 | 6 | 350 | 12-Φ22 | 1198 |
| GRT-250 | 250A | 668 | 590 | 420 | 30 | 890 | 370 | 160 | 2785 | 460 | 205 | 1490 | 745 | 1258 | 550 | 250 | 230 | 2000 | 700 | 30 | 200 | 305 | 100 | 6 | 350 | 12-Φ22 | 1758 |
| GRT-300 | 300A | 756 | 677 | 510 | 30 | 890 | 400 | 160 | 2975 | 460 | 205 | 1490 | 745 | 1433 | 500 | 260 | 245 | 2000 | 1120 | 40 | 200 | 305 | 100 | 6 | 400 | 12-Φ22 | 2256 |
| GRT-350 | 350A | 925 | 859 | 510 | 30 | 1120 | 400 | 160 | 2975 | 460 | 255 | 1490 | 745 | 1735 | 500 | 260 | 245 | 2000 | 1120 | 40 | 200 | 355 | 100 | 6 | 400 | 12-Φ22 | 2756 |

Note 1. Weight do not include motor muffler weight
2. Large fan base with the motor power set size
3. Users can choose according to the expert muffler T1 or T2

# GRT (V)

## Type GRT (V) blowers outline dimensions (direct connect)




| Type | Power (A) | A | B | C | D | E | F | G | H | J | K | L | M | N | O | Q | R | S | T | U | V1 | V2 | W | h | n | n1-Φd1 | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRT-40 | 40A | 480 | 168 | 120 | 650 | 152 | 120 | 540 | 420 | 60 | - | - | 260 | 220 | 100 | 50 | 42 | 150 | 100 | 90 | 500 | 250 | 16 | 80 | 4 | 4-Φ18 | 65 |
| GRT-50 | 50A | 570 | 179 | 125 | 895 | 152 | 125 | 650 | 420 | 60 | - | - | 260 | 220 | 120 | 80 | 60 | 150 | 100 | 105 | 600 | 300 | 19 | 100 | 4 | 4-Φ18 | 70 |
| GRT-65 | 65A | 610 | 202 | 135 | 970 | 192 | 135 | 750 | 440 | 80 | - | - | 300 | 260 | 125 | 80 | 80 | 150 | 100 | 115 | 700 | 350 | 19 | 100 | 4 | 4-Φ18 | 81 |
| GRT-80 | 80A | 700 | 225 | 150 | 1130 | 217 | 150 | 890 | 500 | 75 | - | - | 370 | 330 | 150 | 80 | 75 | 150 | 100 | 135 | 900 | 400 | 19 | 100 | 4 | 8-Φ18 | 123 |
| GRT-100 | 100A | 900 | 265 | 160 | 1255 | 224 | 160 | 950 | 630 | 110 | - | - | 400 | 360 | 150 | 80 | 110 | 150 | 100 | 150 | 1200 | 450 | 19 | 100 | 4 | 8-Φ18 | 157 |
| GRT-125 | 125A | 945 | 294 | 190 | 1515 | 210 | 190 | 1050 | 710 | 105 | 355 | 355 | 430 | 390 | 160 | 100 | 105 | 150 | 100 | 165 | 1400 | 500 | 21 | 100 | 6 | 8-Φ22 | 235 |
| GRT-125C | 125A | 1050 | 353 | 190 | 1515 | 210 | 190 | 1150 | 840 | 130 | 420 | 420 | 430 | 390 | 160 | 100 | 140 | 255 | 120 | 165 | 1400 | 500 | 21 | 100 | 6 | 8-Φ22 | 320 |
| GRT-150 | 150A | 1155 | 377 | 210 | 1730 | 305 | 210 | 1400 | 950 | 100 | 475 | 475 | 500 | 455 | 155 | 100 | 165 | 200 | 120 | 180 | 1600 | 600 | 24 | 100 | 6 | 8-Φ22 | 394 |
| GRT-175 | 150A | 1250 | 600 | 210 | 1730 | 305 | 210 | 1600 | 1100 | 150 | 550 | 550 | 540 | 495 | 170 | 100 | 240 | 200 | 120 | 180 | 1600 | 600 | 24 | 100 | 6 | 8-Φ22 | 695 |
| GRT-200B | 200A | 1200 | 412 | 230 | 2077 | 435 | 230 | 1600 | 1200 | 100 | 600 | 600 | 650 | 600 | 200 | 100 | 190 | 200 | 150 | 190 | 1800 | 560 | 29 | 100 | 6 | 8-Φ22 | 755 |
| GRT-200 | 200A | 1570 | 550 | 250 | 2163 | 405 | 250 | 1750 | 1300 | 150 | 650 | 650 | 650 | 605 | 200 | 120 | 240 | 200 | 150 | 190 | 1800 | 650 | 29 | 100 | 6 | 8-Φ22 | 900 |
| GRT-250B | 250A | 1635 | 589 | 330 | 2195 | 405 | 330 | 1900 | 1300 | 200 | 650 | 650 | 650 | 605 | 250 | 120 | 315 | 300 | 150 | 230 | 2000 | 700 | 30 | 100 | 6 | 12-Φ22 | 1198 |
| GRT-250 | 250A | 1847 | 590 | 370 | 2785 | 520 | 370 | 2100 | 1800 | 150 | 900 | 900 | 1020 | 950 | 250 | 160 | 250 | 250 | 200 | 230 | 2000 | 700 | 30 | 100 | 6 | 12-Φ22 | 1758 |
| GRT-300 | 300A | 2167 | 677 | 400 | 2975 | 520 | 400 | 2300 | 2000 | 100 | 1000 | 1000 | 1020 | 950 | 260 | 160 | 270 | 250 | 200 | 245 | 2000 | 1120 | 40 | 100 | 6 | 12-Φ22 | 2256 |
| GRT-350 | 350A | 2271 | 859 | 400 | 2975 | 620 | 400 | 2400 | 200 | 200 | 1000 | 1000 | 1020 | 950 | 260 | 160 | 375 | 350 | 200 | 245 | 2000 | 1120 | 40 | 100 | 6 | 12-Φ22 | 2756 |

Note 1. Weight do not include motor muffler weight
2. Large fan base with the motor power set size
3. Users can choose according to the export muffler T1 or T2

# GRTR

## Performance data of series GRTR standard type rotary blower

### GRTR-250

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | 9.8 | 76.2 | 19 | Y200L2-6 | 22 | 4450 |
| | 19.6 | 73.5 | 34 | Y250M-6 | 37 | |
| | 29.4 | 71.3 | 48 | Y280M-6 | 55 | |
| | 39.2 | 69.4 | 63 | Y315S-6 | 75 | |
| | 49.0 | 67.6 | 78 | Y315M-6 | 90 | |
| | 58.8 | 66.0 | 92 | Y315L1-6 | 110 | |
| | 68.6 | 64.4 | 107 | Y315L2-4 | 132 | |
| | 78.4 | 63.0 | 121 | Y315L2-4 | 132 | |
| | 88.2 | 61.6 | 136 | Y355M1-6 | 150 | |
| 730 | 9.8 | 86.9 | 21 | Y250M-8 | 30 | 4250 |
| | 19.6 | 84.2 | 38 | Y280M-8 | 45 | |
| | 29.4 | 82.0 | 54 | Y315M-8 | 75 | |
| | 39.2 | 80.1 | 70 | Y315M-8 | 75 | |
| | 49.0 | 78.3 | 87 | Y115L2-8 | 110 | |
| | 58.8 | 76.7 | 103 | Y315L2-8 | 110 | |
| | 68.6 | 75.1 | 120 | Y355M1-8 | 132 | |
| | 78.4 | 73.7 | 136 | Y355M2-8 | 150 | |
| | 88.2 | 72.3 | 153 | Y355M2-8 | 150 | |
| | 98.0 | 71.6 | 161 | Y355L1-8 | 185 | |
| 800 | 9.8 | 96.3 | 23 | Y225M-6 | 30 | 4450 |
| | 19.6 | 93.6 | 41 | Y280S-6 | 45 | |
| | 29.4 | 91.4 | 59 | Y315S-6 | 75 | |
| | 39.2 | 89.5 | 77 | Y315M-6 | 90 | |
| | 49.0 | 87.7 | 95 | Y315L1-6 | 110 | |
| | 53.8 | 86.1 | 113 | Y315L2-6 | 132 | |
| | 68.6 | 84.5 | 131 | Y355M1-6 | 160 | |
| | 73.4 | 83.1 | 149 | Y355M1-6 | 160 | |
| | 88.2 | 81.7 | 167 | Y355M2-6 | 185 | 5340 |
| | 98.0 | 80.4 | 185 | Y355M2-6 | 200 | |
| 880 | 9.8 | 107.2 | 26 | Y255M-6 | 30 | 4450 |
| | 19.6 | 104.5 | 45 | Y280M-6 | 55 | |
| | 29.4 | 102.1 | 65 | Y315S-6 | 75 | |
| | 39.2 | 100.2 | 85 | Y315M-6 | 90 | |
| | 49.0 | 98.4 | 105 | Y31L1-6 | 110 | |
| | 58.8 | 96.8 | 125 | Y315L2-6 | 132 | |
| | 68.6 | 95.2 | 144 | Y355M1-6 | 150 | |
| | 78.4 | 93.8 | 164 | Y355M2-6 | 185 | |
| | 88.2 | 92.4 | 184 | Y355M2-6 | 200 | 5260 |
| | 98.0 | 91.1 | 204 | Y355L1-6 | 220 | |
| 980 | 9.8 | 120.4 | 29 | Y250M-6 | 37 | 4500 |
| | 19.6 | 117.7 | 51 | Y280M-6 | 55 | |
| | 29.4 | 115.5 | 72 | Y315M-6 | 90 | |
| | 39.2 | 113.6 | 95 | Y315M-6 | 110 | |
| | 49.0 | 111.8 | 117 | Y315L2-6 | 132 | |
| | 58.8 | 110.2 | 139 | Y355M1-6 | 160 | |
| | 68.6 | 108.6 | 161 | Y355M2-6 | 185 | |
| | 78.4 | 107.2 | 183 | Y355M3-6 | 200 | |
| | 88.2 | 105.8 | 205 | Y355M-6 | 220 | |
| | 98.0 | 104.5 | 227 | Y355L2-6 | 250 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

### GRTR-295

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | 9.8 | 97.3 | 23 | Y225M-6 | 30 | 4890 |
| | 19.6 | 93.5 | 42 | Y280M-6 | 55 | |
| | 29.4 | 90.6 | 60 | Y315S-6 | 75 | |
| | 39.2 | 88.0 | 78 | Y315M-6 | 90 | |
| | 49.0 | 85.9 | 96 | Y315L1-6 | 110 | |
| | 58.8 | 84.0 | 114 | Y315L2-6 | 132 | |
| | 68.6 | 82.4 | 132 | Y355M1-6 | 160 | |
| | 78.4 | 81.0 | 151 | Y355M2-6 | 185 | 5580 |
| 730 | 9.8 | 110.8 | 26 | Y250M-8 | 30 | 4760 |
| | 19.6 | 107 | 47 | Y315S-8 | 55 | |
| | 29.4 | 104.1 | 67 | Y315M-8 | 75 | |
| | 39.2 | 101.5 | 83 | Y315L2-8 | 110 | |
| | 49.0 | 99.4 | 108 | Y355M1-8 | 132 | |
| | 58.8 | 97.5 | 128 | Y355M2-8 | 160 | |
| | 68.6 | 95.8 | 149 | Y355M2-8 | 160 | |
| | 78.4 | 94.4 | 169 | Y355L1-8 | 185 | |
| 800 | 9.8 | 122.4 | 29 | Y250M-6 | 37 | 5180 |
| | 19.6 | 118.6 | 51 | Y315S-6 | 75 | |
| | 29.4 | 115.7 | 74 | Y315M-6 | 90 | |
| | 39.2 | 113.1 | 96 | Y315L1-6 | 110 | |
| | 49.0 | 111 | 118 | Y90L-6 | 132 | |
| | 58.8 | 109.1 | 141 | Y355M1-6 | 160 | |
| | 68.6 | 107.5 | 163 | Y353M2-6 | 185 | 5750 |
| | 78.4 | 106.1 | 185 | Y355M2-6 | 200 | |
| 880 | 9.8 | 135.8 | 132 | Y250M-6 | 37 | 4940 |
| | 19.6 | 132 | 56 | Y315S-6 | 75 | |
| | 29.4 | 129.1 | 81 | Y315M-6 | 90 | |
| | 39.2 | 126.5 | 105 | Y315L2-6 | 132 | |
| | 49.0 | 124.4 | 130 | Y355M1-6 | 160 | |
| | 58.8 | 122.5 | 155 | Y355M2-6 | 185 | |
| | 68.6 | 120.9 | 179 | Y355M2-6 | 200 | 5590 |
| | 78.4 | 119.5 | 204 | Y355M3-6 | 220 | |
| 980 | 9.8 | 152.5 | 35 | Y280S-6 | 45 | 4880 |
| | 19.6 | 148.7 | 63 | Y315S-6 | 75 | |
| | 29.4 | 145.8 | 90 | Y315L1-6 | 110 | |
| | 39.2 | 143.2 | 117 | Y315L2-6 | 132 | |
| | 49.0 | 141.1 | 145 | Y353M1-6 | 160 | |
| | 58.8 | 139.2 | 172 | Y355M2-6 | 185 | |
| | 68.6 | 137.6 | 205 | Y355L1-6 | 220 | |
| | 78.4 | 136.2 | 227 | Y355L2-6 | 250 | |

# GRTR

## Performance data of series GRTR standard type rotary blower

### GRTR-300

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | 9.8 | 120.7 | 29 | Y250M-6 | 37 | 5330 |
| | 19.6 | 116.6 | 51 | Y315S-6 | 75 | |
| | 29.4 | 113.4 | 73 | Y315M-6 | 90 | |
| | 39.2 | 110.5 | 96 | Y315L1-6 | 110 | |
| | 49.0 | 107.9 | 118 | Y315L2-6 | 132 | |
| | 58.8 | 105.5 | 110 | Y355M1-6 | 160 | |
| | 68.6 | 103.4 | 162 | Y355M2-6 | 185 | 6130 |
| | 78.4 | 101.5 | 185 | Y355L1-6 | 220 | |
| 730 | 9.8 | 137.2 | 32 | Y280S-8 | 37 | 5230 |
| | 19.8 | 133.1 | 57 | Y310M-8 | 75 | |
| | 29.4 | 129.9 | 82 | Y315L1-8 | 90 | |
| | 39.2 | 127 | 107 | Y355M1-8 | 132 | |
| | 49.0 | 124.4 | 132 | Y355M2-8 | 160 | |
| | 58.8 | 122 | 157 | Y355L1-8 | 185 | |
| | 68.6 | 119.9 | 182 | Y355L2-8 | 200 | |
| | 78.4 | 118 | 207 | Y400-8 | 220 | |
| 800 | 9.8 | 151.6 | 35 | Y280S-6 | 45 | 5530 |
| | 19.6 | 147.5 | 63 | Y315S-6 | 75 | |
| | 29.1 | 144.3 | 90 | Y315L1-6 | 110 | |
| | 39.2 | 141.4 | 118 | Y315L2-6 | 132 | |
| | 49.0 | 138.8 | 145 | Y350M1-6 | 160 | |
| | 58.8 | 136.4 | 172 | Y355M3-6 | 200 | 6070 |
| | 68.6 | 134.3 | 200 | Y355L1-6 | 220 | |
| | 78.4 | 132.4 | 227 | Y355M4-6 | 250 | |
| 880 | 9.8 | 168.1 | 39 | Y280S-6 | 45 | 5470 |
| | 19.6 | 164 | 69 | Y315S-6 | 75 | |
| | 29.4 | 160.8 | 99 | Y315L1-6 | 110 | |
| | 89.2 | 157.9 | 129 | Y355M1-6 | 160 | |
| | 49.0 | 155.3 | 159 | Y355M2-6 | 185 | |
| | 58.8 | 152.9 | 190 | Y355M3-6 | 220 | 6540 |
| | 68.6 | 150.8 | 220 | Y355M4-6 | 250 | |
| | 78.4 | 148.9 | 250 | Y400-6 | 280 | |
| 980 | 9.8 | 188.7 | 43 | Y280M-6 | 55 | 5520 |
| | 19.6 | 184.6 | 76 | Y315M-6 | 90 | |
| | 29.4 | 181.4 | 110 | Y315L2-6 | 132 | |
| | 39.2 | 178.5 | 144 | Y355M1-6 | 160 | |
| | 49.0 | 175.9 | 178 | Y355M3-6 | 200 | |
| | 58.8 | 173.5 | 211 | Y355L2-6 | 250 | |
| | 68.6 | 171.4 | 245 | Y400-6 | 280 | |
| | 78.4 | 169.5 | 278 | Y400-6 | 315 | |

### GRTR-350

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | 9.8 | 144.3 | 34 | Y280S-6 | 45 | 5210 |
| | 19.6 | 139.3 | 60 | Y315S-6 | 75 | |
| | 29.4 | 135.3 | 86 | Y315M-6 | 90 | |
| | 39.2 | 131.8 | 112 | Y315M2-6 | 132 | |
| | 49.0 | 128.7 | 139 | Y355M1-6 | 160 | |
| | 58.8 | 126.0 | 165 | Y355M2-6 | 185 | 6470 |
| 730 | 9.8 | 163.9 | 38 | Y280M-8 | 45 | 5530 |
| | 19.6 | 158.9 | 67 | Y315M-8 | 75 | |
| | 29.4 | 154.9 | 97 | Y315L2-8 | 110 | |
| | 39.2 | 151.4 | 126 | Y325L2-8 | 132 | |
| | 49.0 | 148.3 | 156 | Y355L1-8 | 160 | |
| | 58.8 | 145.6 | 185 | Y3551L2-8 | 200 | |
| 800 | 9.8 | 180.9 | 41 | Y280M-6 | 55 | 5910 |
| | 19.6 | 175.9 | 74 | Y315M-6 | 90 | |
| | 29.4 | 171.9 | 106 | Y315L2-6 | 132 | |
| | 39.2 | 168.4 | 138 | Y355M1-6 | 160 | |
| | 49.0 | 165.3 | 171 | Y355M2-6 | 185 | 6670 |
| | 58.8 | 162.6 | 203 | Y355L1-6 | 220 | |
| 880 | 9.8 | 200.5 | 45 | Y280M-6 | 55 | 5910 |
| | 19.6 | 195.5 | 81 | Y315M-6 | 90 | |
| | 29.4 | 191.5 | 116 | Y315L2-6 | 132 | |
| | 39.2 | 188.0 | 152 | Y355M1-6 | 160 | |
| | 49.0 | 184.9 | 188 | Y353M2-6 | 200 | 6610 |
| | 58.8 | 182.2 | 223 | Y355M4-6 | 250 | |
| 980 | 9.8 | 224.9 | 50 | Y280M-6 | 55 | 5670 |
| | 19.6 | 219.9 | 90 | Y315L1-6 | 110 | |
| | 29.4 | 215.9 | 130 | Y355M1-6 | 160 | |
| | 39.2 | 212.4 | 169 | Y355M2-6 | 185 | |
| | 49.0 | 209.3 | 209 | Y355L1-6 | 220 | |
| | 58.8 | 206.6 | 249 | Y400-6 | 280 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG

## Performance data of series GRTG standard type rotary blower

### GRTG-350

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 | 9.8 | 184.8 | 43 | Y315M-10 | 55 | 9700 |
| | 19.6 | 179.3 | 76 | Y355M1-10 | 90 | |
| | 29.4 | 175.3 | 109 | Y355L-10 | 132 | |
| | 39.2 | 172.3 | 142 | Y450-10 | 185 | |
| | 49.0 | 169.6 | 175 | Y450-10 | 200 | |
| | 58.8 | 167.2 | 208 | Y450-10 | 220 | |
| | 68.6 | 164.8 | 241 | Y450-10 | 260 | |
| | 78.4 | 162.8 | 274 | Y500-10 | 315 | 10550 |
| | 88.2 | 160.8 | 307 | Y500-10 | 355 | |
| | 98.0 | 159.3 | 324 | Y500-10 | 355 | |
| 630 | 9.8 | 198.2 | 46 | Y315S-8 | 55 | 9580 |
| | 19.6 | 192.7 | 81 | Y315L1-8 | 90 | |
| | 29.4 | 188.7 | 116 | Y355M1-8 | 132 | |
| | 39.2 | 185.7 | 152 | Y355M3-8 | 185 | |
| | 49.0 | 183.0 | 187 | Y400-8 | 220 | |
| | 58.8 | 180.6 | 222 | Y450-8 | 250 | |
| | 68.6 | 178.2 | 257 | Y450-8 | 280 | |
| | 78.4 | 176.2 | 293 | Y450-8 | 355 | 10500 |
| | 88.2 | 174.2 | 328 | Y450-8 | 355 | |
| | 98.0 | 172.7 | 363 | Y500-8 | 400 | |
| 670 | 9.8 | 211.6 | 49 | Y315S-8 | 55 | 9700 |
| | 19.6 | 206.1 | 86 | Y315L1-8 | 90 | |
| | 29.4 | 202.1 | 124 | Y335M1-8 | 132 | |
| | 39.2 | 199.1 | 161 | Y355M3-8 | 185 | |
| | 49.0 | 196.4 | 199 | Y400-8 | 220 | |
| | 58.8 | 194.0 | 236 | Y150-8 | 280 | |
| | 68.6 | 191.6 | 273 | Y450-8 | 315 | |
| | 78.4 | 189.6 | 311 | Y450-8 | 355 | 10750 |
| | 99.2 | 187.6 | 349 | Y500-8 | 400 | |
| | 98.0 | 186.1 | 386 | Y500-8 | 450 | |
| 710 | 9.8 | 224.9 | 52 | Y315S-6 | 75 | 8670 |
| | 19.6 | 219.4 | 91 | Y315L1-6 | 110 | |
| | 29.4 | 215.4 | 131 | Y355M1-6 | 160 | |
| | 39.2 | 212.4 | 171 | Y355M3-6 | 200 | |
| | 49.0 | 209.7 | 211 | Y355M4-6 | 250 | |
| | 58.8 | 207.3 | 250 | Y400-6 | 280 | |
| | 68.6 | 204.9 | 290 | Y450-6 | 315 | 9850 |
| | 78.4 | 202.9 | 330 | Y450-6 | 400 | |
| | 88.2 | 200.9 | 370 | Y450-6 | 400 | |
| | 98.0 | 199.4 | 409 | Y450-6 | 450 | |
| 730 | 9.8 | 231.6 | 52.5 | Y315M-8 | 75 | 9600 |
| | 19.6 | 226.1 | 93.4 | Y315L2-8 | 110 | |
| | 29.4 | 222.1 | 134 | Y355M2-8 | 160 | |
| | 39.2 | 219.1 | 175 | Y355L2-8 | 200 | |
| | 49.0 | 216.4 | 216 | Y450-8 | 250 | |
| | 58.8 | 214.0 | 257 | Y450-8 | 280 | |
| | 68.6 | 211.6 | 297 | Y450-8 | 355 | 10750 |
| | 78.4 | 209.6 | 338 | Y500-8 | 400 | |
| | 88.2 | 207.6 | 380 | Y500-8 | 450 | |
| | 98.0 | 206.1 | 420 | Y500-8 | 450 | |

### GRTG-400

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 | 9.8 | 232.1 | 52 | Y315L2-10 | 75 | 10090 |
| | 19.6 | 226.1 | 94 | Y355M2-10 | 110 | |
| | 29.4 | 221.3 | 135 | Y450-10 | 185 | |
| | 39.2 | 217.1 | 177 | Y450-10 | 220 | |
| | 49.0 | 213.4 | 218 | Y450-10 | 250 | |
| | 58.8 | 209.9 | 260 | Y500-10 | 315 | |
| | 68.6 | 207.7 | 301 | Y450-10 | 355 | 11105 |
| | 78.4 | 204.6 | 343 | Y500-10 | 400 | |
| | 83.3 | 203.1 | 364 | Y500-10 | 400 | |
| 630 | 9.8 | 248.9 | 56 | Y315M-8 | 75 | 10130 |
| | 19.6 | 242.9 | 100 | Y315L2-8 | 110 | |
| | 29.4 | 238.1 | 144 | Y355M2-8 | 160 | |
| | 39.2 | 233.9 | 189 | Y400-8 | 220 | |
| | 49.0 | 230.2 | 233 | Y450-8 | 250 | |
| | 58.8 | 226.7 | 277 | Y450-8 | 315 | 11190 |
| | 68.6 | 223.9 | 322 | Y450-8 | 355 | |
| | 78.4 | 221.4 | 366 | Y500-8 | 400 | |
| | 83.3 | 219.9 | 288 | Y500-8 | 450 | |
| 670 | 9.8 | 265.7 | 59 | Y315M-8 | 75 | 10010 |
| | 19.6 | 259.7 | 106 | Y355M1-8 | 132 | |
| | 29.4 | 254.9 | 153 | Y355M3-8 | 185 | |
| | 39.2 | 250.7 | 201 | Y400-8 | 220 | |
| | 49.0 | 247.0 | 248 | Y450-8 | 280 | |
| | 58.8 | 243.5 | 295 | Y450-8 | 355 | 11190 |
| | 68.6 | 240.7 | 342 | Y500-8 | 400 | |
| | 78.4 | 138.2 | 389 | Y500-8 | 450 | |
| | 83.3 | 236.7 | 413 | Y500-8 | 450 | |
| 710 | 9.8 | 282.5 | 63 | Y3155-6 | 75 | 9270 |
| | 19.6 | 276.5 | 113 | Y315L2-6 | 132 | |
| | 29.4 | 271.7 | 163 | Y255M2-6 | 185 | |
| | 39.2 | 267.5 | 213 | Y355M-46 | 250 | |
| | 49.0 | 263.8 | 262 | Y400-6 | 315 | |
| | 58.8 | 260.3 | 312 | Y450-6 | 355 | 10500 |
| | 68.6 | 257.5 | 362 | Y450-6 | 400 | |
| | 78.4 | 255.0 | 412 | Y450-6 | 450 | |
| | 83.3 | 253.5 | 437 | Y450-6 | 500 | |
| 730 | 9.8 | 290.9 | 64 | Y315M-8 | 75 | 10130 |
| | 19.6 | 284.8 | 115 | Y355M1-8 | 132 | |
| | 29.4 | 280.1 | 167 | Y355L1-8 | 185 | |
| | 39.2 | 275.8 | 219 | Y450-8 | 250 | |
| | 49.0 | 272.2 | 269 | Y450-8 | 315 | |
| | 58.8 | 268.7 | 321 | Y450-8 | 355 | |
| | 68.6 | 265.9 | 372 | Y500-8 | 400 | 11390 |
| | 78.4 | 263.3 | 424 | Y500-8 | 500 | |
| | 83.3 | 261.9 | 449 | Y500-8 | 500 | |

Notes 1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG

## Performance data of series GRTG standard type rotary blower

### GRTG-450

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | 9.8 | 292.6 | 64 | Y315L2-10 | 75 | 10600 |
| | 19.6 | 285.1 | 116 | Y355L-10 | 132 | |
| | 29.4 | 279.9 | 168 | Y450-10 | 185 | |
| | 39.2 | 275.1 | 220 | Y450-10 | 250 | |
| | 49.0 | 271.1 | 271 | Y500-10 | 315 | 11850 |
| | 58.8 | 267.6 | 323 | Y500-10 | 355 | |
| | 68.6 | 264.1 | 375 | Y500-10 | 400 | |
| | 78.4 | 262.4 | 401 | Y500-10 | 450 | |
| 630 | 9.8 | 313.6 | 68 | Y315M-8 | 75 | 10620 |
| | 19.8 | 306.1 | 124 | Y355M1-8 | 132 | |
| | 29.4 | 300.9 | 179 | Y355M4-8 | 200 | |
| | 39.2 | 296.1 | 234 | Y450-8 | 280 | |
| | 49.0 | 292.1 | 290 | Y450-8 | 315 | |
| | 58.8 | 288.6 | 345 | Y500-8 | 400 | 12000 |
| | 68.6 | 285.1 | 400 | Y500-8 | 450 | |
| | 78.4 | 383.4 | 428 | Y500-8 | 500 | |
| 670 | 9.8 | 334.6 | 73 | Y315L1-8 | 90 | 10620 |
| | 19.6 | 327.1 | 132 | Y355M2-8 | 160 | |
| | 29.1 | 321.9 | 190 | Y400-8 | 220 | |
| | 39.2 | 317.1 | 249 | Y450-8 | 280 | |
| | 49.0 | 313.1 | 308 | Y450-8 | 355 | 12000 |
| | 58.8 | 309.6 | 367 | Y500-8 | 400 | |
| | 68.6 | 306.1 | 426 | Y500-8 | 500 | |
| | 78.4 | 304.4 | 455 | Y500-8 | 500 | |
| 710 | 9.8 | 355.7 | 77 | Y315M-6 | 90 | 9750 |
| | 19.6 | 348.2 | 139 | Y355M2-6 | 160 | |
| | 29.4 | 343.0 | 202 | Y355L1-6 | 220 | |
| | 89.2 | 338.2 | 264 | Y400-6 | 280 | |
| | 49.0 | 334.2 | 327 | Y450-6 | 355 | 11700 |
| | 58.8 | 330.7 | 389 | Y450-6 | 450 | |
| | 68.6 | 327.2 | 451 | Y450-6 | 500 | |
| | 78.4 | 325.5 | 483 | Y500-6 | 560 | |
| 730 * | 9.8 | 366.2 | 79 | Y315L1-8 | 90 | 10740 |
| | 19.6 | 358.6 | 143 | Y355M2-8 | 160 | |
| | 29.4 | 353.4 | 207 | Y450-8 | 250 | |
| | 39.2 | 348.6 | 271 | Y450-8 | 315 | |
| | 49.0 | 344.7 | 335 | Y500-8 | 400 | 12230 |
| | 58.8 | 341.1 | 400 | Y500-8 | 450 | |
| | 68.6 | 337.6 | 464 | Y500-8 | 500 | |
| | 78.4 | 336.0 | 496 | Y500-8 | 560 | |

### GRTG-500

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | 9.8 | 361.4 | 78 | Y355M1-10 | 90 | 12790 |
| | 19.6 | 352.4 | 142 | Y450-10 | 185 | |
| | 29.4 | 345.7 | 206 | Y450-10 | 220 | |
| | 39.2 | 339.9 | 270 | Y500-10 | 315 | 15270 |
| | 49.0 | 334.4 | 334 | Y500-10 | 400 | |
| | 58.8 | 329.7 | 398 | Y500-10 | 450 | |
| | 63.7 | 327.4 | 431 | Y560-10 | 500 | |
| 630 | 9.8 | 387.4 | 83 | Y315L1-8 | 90 | 12800 |
| | 19.6 | 378.4 | 151 | Y355M2-8 | 160 | |
| | 29.4 | 371.7 | 220 | Y450-8 | 250 | |
| | 39.2 | 365.9 | 288 | Y450-8 | 315 | |
| | 49.0 | 360.4 | 357 | Y500-8 | 400 | 14290 |
| | 58.8 | 355.7 | 425 | Y500-8 | 500 | |
| | 63.7 | 353.4 | 459 | Y500-8 | 500 | |
| 670 | 9.8 | 413.4 | 88 | Y315L2-8 | 110 | 12910 |
| | 19.6 | 404.4 | 161 | Y355M3-8 | 185 | |
| | 29.4 | 397.7 | 234 | Y450-8 | 280 | |
| | 39.2 | 391.9 | 306 | Y450-8 | 355 | 14520 |
| | 49.0 | 386.4 | 379 | Y500-8 | 400 | |
| | 58.8 | 381.7 | 452 | Y500-8 | 500 | |
| | 63.7 | 379.4 | 488 | Y500-8 | 560 | |
| 710 | 9.8 | 439.4 | 93 | Y315L1-6 | 110 | 12000 |
| | 19.6 | 430.4 | 170 | Y355M3-6 | 200 | |
| | 29.4 | 423.7 | 248 | Y400-6 | 280 | |
| | 39.2 | 417.9 | 325 | Y450-6 | 355 | 13990 |
| | 49.0 | 412.4 | 402 | Y450-6 | 450 | |
| | 58.8 | 407.7 | 479 | Y500-6 | 560 | |
| | 63.7 | 405.4 | 528 | Y500-6 | 560 | |
| 730 * | 9.8 | 452.4 | 96 | Y315L2-8 | 110 | 12910 |
| | 19.6 | 443.4 | 175 | Y355L2-8 | 200 | |
| | 29.4 | 436.7 | 253 | Y450-8 | 280 | |
| | 39.2 | 430.9 | 333 | Y450-8 | 355 | 14520 |
| | 49.0 | 425.4 | 412 | Y500-8 | 450 | |
| | 58.8 | 420.7 | 492 | Y500-8 | 560 | |
| | 63.7 | 418.4 | 529 | Y500-8 | 560 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTR-V

## Performance data of series GRTR-V dry type rotary vacuum pump

### GRTR-250V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | -9.8 | 76.2 | 19 | Y200L2-6 | 22 | 3910 |
| | -14.7 | 73.5 | 26.5 | Y250M-6 | 37 | |
| | -19.6 | 72.4 | 34 | Y250M-6 | 37 | |
| | -24.5 | 70.4 | 41 | Y280S-6 | 45 | |
| | -29.4 | 68.5 | 48 | Y280M-6 | 55 | |
| | -34.3 | 66.8 | 55.5 | Y315S-6 | 75 | |
| | -39.2 | 65.2 | 63 | Y315S-6 | 75 | |
| | -44.1 | 63.0 | 70.5 | Y315S-6 | 75 | |
| 730 * | -9.8 | 86.2 | 21 | Y280M-8 | 30 | 3560 |
| | -14.7 | 84.2 | 29.5 | Y280S-8 | 37 | |
| | -19.6 | 83.1 | 38 | Y280M-8 | 45 | |
| | -24.5 | 81.1 | 46 | Y315S-8 | 55 | |
| | -29.4 | 79.2 | 54 | Y315M-8 | 75 | |
| | -34.3 | 77.5 | 62 | Y315M-8 | 75 | |
| | -39.2 | 75.9 | 70 | Y315M-8 | 75 | |
| | -44.1 | 73.7 | 82.5 | Y315L1-8 | 90 | |
| 800 | -9.8 | 96.3 | 23 | Y225M-6 | 30 | 3980 |
| | -14.7 | 93.6 | 32 | Y250M-6 | 37 | |
| | -19.6 | 92.5 | 41 | Y280S-6 | 45 | |
| | -24.5 | 90.5 | 50 | Y280M-6 | 55 | |
| | -29.4 | 88.6 | 59 | Y315S-6 | 75 | |
| | -34.3 | 86.9 | 68 | Y315S-6 | 75 | |
| | -39.2 | 85.3 | 77 | Y315M-6 | 90 | |
| | -44.1 | 83.1 | 86 | Y315M-6 | 90 | |
| | -49.0 | 80.4 | 95 | Y315L1-6 | 110 | |
| 880 | -9.8 | 107 | 26 | Y225M-6 | 30 | 4060 |
| | -14.7 | 105 | 35.5 | Y280S-6 | 45 | |
| | -19.6 | 103 | 45 | Y280M-6 | 55 | |
| | -24.5 | 101 | 55 | Y315S-6 | 75 | |
| | -29.4 | 99.1 | 65 | Y315S-6 | 75 | |
| | -34.3 | 97.4 | 75 | Y315M-6 | 90 | |
| | -39.2 | 95.8 | 85 | Y315M-6 | 90 | |
| | -44.1 | 93.8 | 95 | Y315L1-6 | 110 | |
| | -49.0 | 91.1 | 105 | Y315L2-6 | 110 | |
| 980 * | -9.8 | 120 | 29 | Y250M-6 | 37 | 3830 |
| | -14.7 | 118 | 40 | Y280S-6 | 45 | |
| | -19.6 | 116 | 51 | Y280M-6 | 55 | |
| | -24.5 | 114 | 61.6 | Y315S-6 | 75 | |
| | -29.4 | 112 | 72 | Y315M-6 | 90 | |
| | -34.3 | 110 | 83.5 | Y315M-6 | 90 | |
| | -39.2 | 108 | 95 | Y315L1-6 | 110 | |
| | -44.1 | 107 | 106 | Y315L2-6 | 132 | |
| | -49.0 | 105 | 117 | Y315L2-6 | 132 | |

### GRTR-295V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | -9.8 | 97.3 | 23 | Y225M-6 | 30 | 4425 |
| | -14.7 | 93.5 | 32.5 | Y280S-6 | 45 | |
| | -19.6 | 92.0 | 42 | Y280M-6 | 55 | |
| | -24.5 | 89.3 | 51 | Y315S-6 | 75 | |
| | -29.4 | 87.0 | 60 | Y315S-6 | 75 | |
| | -34.3 | 85.0 | 69 | Y315S-6 | 75 | |
| | -39.2 | 83.2 | 78 | Y315M-6 | 90 | |
| | -44.1 | 81.0 | 87 | Y315L1-6 | 110 | |
| | -49.0 | 76.6 | 96 | Y315L1-6 | 110 | |
| 730 * | -9.8 | 110 | 26 | Y280S-8 | 37 | 4495 |
| | -14.7 | 107 | 36.5 | Y280M-8 | 45 | |
| | -19.6 | 105 | 47 | Y315S-8 | 55 | |
| | -24.5 | 102 | 57 | Y315M-8 | 75 | |
| | -29.4 | 99.7 | 67 | Y315M-8 | 75 | |
| | -34.3 | 97.7 | 77.5 | Y315L1-8 | 90 | |
| | -39.2 | 95.9 | 88 | Y315L2-8 | 110 | |
| | -44.1 | 94.4 | 98 | Y315L2-8 | 110 | |
| | -49.0 | 90.0 | 108 | Y355M1-8 | 132 | |
| 800 | -9.8 | 122 | 29 | Y250M-6 | 37 | 4505 |
| | -14.7 | 119 | 40 | Y280M-6 | 55 | |
| | -19.6 | 117 | 51 | Y315S-6 | 75 | |
| | -24.5 | 114 | 62.5 | Y315S-6 | 75 | |
| | -29.4 | 112 | 74 | Y315M-6 | 90 | |
| | -34.3 | 110 | 85 | Y315M-6 | 90 | |
| | -39.2 | 108 | 96 | Y315L1-6 | 110 | |
| | -44.1 | 106 | 107 | Y315L2-6 | 132 | |
| | -49.0 | 101 | 118 | Y315L2-6 | 132 | |
| 880 | -9.8 | 135 | 32 | Y280S-6 | 45 | 4890 |
| | -14.7 | 132 | 45.5 | Y280M-6 | 55 | |
| | -19.6 | 130 | 59 | Y315S-6 | 75 | |
| | -24.5 | 127 | 70 | Y315M-6 | 90 | |
| | -29.4 | 125 | 81 | Y315L1-6 | 110 | |
| | -34.3 | 123 | 93 | Y315L1-6 | 110 | |
| | -39.2 | 121 | 105 | Y315L2-6 | 132 | |
| | -44.1 | 120 | 118 | Y315L2-6 | 132 | |
| | -49.0 | 115 | 130 | Y355M1-6 | 160 | |
| 980 * | -9.8 | 152 | 35 | Y280S-6 | 45 | 4480 |
| | -14.7 | 149 | 49 | Y280M-6 | 55 | |
| | -19.6 | 147 | 63 | Y315S-6 | 75 | |
| | -24.5 | 144 | 76.5 | Y315M-6 | 90 | |
| | -29.4 | 142 | 90 | Y315L1-6 | 110 | |
| | -34.3 | 140 | 104 | Y315L2-6 | 132 | |
| | -39.2 | 138 | 117 | Y315L2-6 | 132 | |
| | -44.1 | 136 | 131 | Y255M1-6 | 160 | |
| | -49.0 | 131 | 145 | Y355M1-6 | 160 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTR-V

## Performance data of series GRTR-V dry type rotary vacuum pump

### GRTR-300V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | -9.8 | 120 | 29 | Y250M-6 | 37 | 5000 |
| | -14.7 | 117 | 40 | Y280S-6 | 45 | |
| | -19.6 | 115 | 51 | Y280M-6 | 55 | |
| | -24.5 | 112 | 62 | Y315S-6 | 75 | |
| | -29.4 | 109 | 73 | Y315M-6 | 90 | |
| | -34.3 | 107 | 85 | Y315M-6 | 90 | |
| | -39.2 | 104 | 96 | Y315L1-6 | 110 | |
| | -44.1 | 101 | 107 | Y315L2-6 | 132 | |
| | -49.0 | 97 | 118 | Y315L2-6 | 132 | 4675 |
| 730 * | -9.8 | 137 | 32 | Y280S-8 | 37 | |
| | -14.7 | 133 | 44.5 | Y315S-8 | 55 | |
| | -19.6 | 131 | 57 | Y315M-8 | 75 | |
| | -24.5 | 128 | 70 | Y315S-8 | 75 | |
| | -29.4 | 125 | 82 | Y315L1-8 | 90 | |
| | -34.3 | 123 | 95 | Y315L2-8 | 110 | |
| | -39.2 | 120 | 107 | Y255M-8 | 132 | |
| | -44.1 | 118 | 120 | Y315M1-8 | 132 | 5245 |
| | -49.0 | 114 | 132 | Y355M2-8 | 160 | |
| 800 | -9.8 | 151 | 35 | Y280S-6 | 45 | |
| | -14.7 | 148 | 49 | Y280M-6 | 55 | |
| | -19.6 | 146 | 63 | Y315S-6 | 75 | |
| | -24.5 | 143 | 76.5 | Y315M-6 | 90 | |
| | -29.4 | 140 | 90 | Y315L1-6 | 110 | |
| | -34.3 | 138 | 104 | Y315L2-6 | 132 | |
| | -39.2 | 135 | 118 | Y315M2-6 | 132 | |
| | -44.1 | 132 | 132 | Y355M1-6 | 160 | 5335 |
| | -49.0 | 128 | 145 | Y355M1-6 | 160 | |
| 880 | -9.8 | 168 | 39 | Y280S-6 | 45 | |
| | -14.7 | 164 | 54 | Y315S-6 | 75 | |
| | -19.6 | 162 | 69 | Y315S-6 | 75 | |
| | -24.5 | 159 | 84 | Y315M-6 | 90 | |
| | -29.4 | 156 | 99 | Y315L1-6 | 110 | |
| | -34.3 | 154 | 114 | Y315L2-6 | 132 | |
| | -39.2 | 151 | 129 | Y355M1-6 | 160 | |
| | -44.1 | 149 | 144 | Y355M1-6 | 160 | 4980 |
| | -49.0 | 145 | 159 | Y355M2-6 | 185 | |
| 980 * | -9.8 | 192 | 43 | Y280M-6 | 55 | |
| | -14.7 | 185 | 59.5 | Y315S-6 | 75 | |
| | -19.6 | 183 | 76 | Y315M-6 | 90 | |
| | -24.5 | 180 | 93 | Y315L1-6 | 110 | |
| | -29.4 | 177 | 110 | Y315L2-6 | 132 | |
| | -34.3 | 175 | 127 | Y355M1-6 | 160 | |
| | -39.2 | 172 | 144 | Y355M1-6 | 160 | |
| | -44.1 | 170 | 161 | Y355M2-6 | 185 | |
| | -49.0 | 165 | 178 | Y355M3-6 | 200 | |

### GRTR-350V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 650 | -9.8 | 144 | 34 | Y280S-6 | 45 | 4425 |
| | -14.7 | 139 | 47 | Y280M-6 | 55 | |
| | -19.6 | 137 | 60 | Y315S-6 | 75 | |
| | -24.5 | 134 | 73 | Y315M-6 | 90 | |
| | -29.4 | 130 | 86 | Y315M-6 | 90 | |
| | -34.3 | 127 | 95 | Y315L1-6 | 110 | |
| | -39.2 | 124 | 112 | Y315L2-6 | 132 | |
| | -44.1 | 121 | 126 | Y355M1-6 | 160 | |
| | -49.0 | 116 | 139 | Y355M1-6 | 160 | |
| 730 * | -9.8 | 164 | 38 | Y280M-8 | 45 | 5400 |
| | -14.7 | 159 | 52.5 | Y315M-8 | 75 | |
| | -19.6 | 157 | 67 | Y315M-8 | 75 | |
| | -24.5 | 154 | 82 | Y315L1-8 | 90 | |
| | -29.4 | 150 | 97 | Y315L2-8 | 110 | |
| | -34.3 | 147 | 112 | Y355M1-8 | 132 | |
| | -39.2 | 144 | 126 | Y355M1-8 | 132 | |
| | -44.1 | 140 | 141 | Y355M2-8 | 160 | |
| | -49.0 | 136 | 156 | Y355L1-8 | 185 | |
| 800 | -9.8 | 181 | 41 | Y280S-6 | 45 | 5700 |
| | -14.7 | 176 | 57.5 | Y315S-6 | 75 | |
| | -19.6 | 174 | 74 | Y315M-6 | 90 | |
| | -24.5 | 171 | 90 | Y315L1-6 | 110 | |
| | -29.4 | 167 | 106 | Y315L2-6 | 132 | |
| | -34.3 | 164 | 122 | Y355M1-6 | 160 | |
| | -39.2 | 164 | 138 | Y355M1-6 | 150 | |
| | -44.1 | 157 | 155 | Y355M2-6 | 185 | |
| | -49.0 | 153 | 171 | Y355M2-6 | 185 | |
| 880 | -9.8 | 200 | 45 | Y280M-6 | 55 | 5700 |
| | -14.7 | 196 | 63 | Y315S-6 | 75 | |
| | -19.6 | 193 | 81 | Y315M-6 | 90 | |
| | -14.5 | 190 | 98.5 | Y315L1-6 | 110 | |
| | -29.4 | 186 | 116 | Y315L2-6 | 132 | |
| | -34.3 | 183 | 134 | Y355M1-6 | 160 | |
| | -39.2 | 181 | 152 | Y355M1-6 | 160 | |
| | -44.1 | 177 | 170 | Y355L1-6 | 185 | |
| | -49.0 | 172 | 188 | Y355M2-6 | 200 | |
| 980 * | -9.8 | 225 | 50 | Y280M-6 | 55 | 5700 |
| | -14.7 | 220 | 70 | Y315S-6 | 75 | |
| | -19.6 | 218 | 90 | Y315L1-6 | 110 | |
| | -24.5 | 215 | 110 | Y315L2-6 | 132 | |
| | -29.4 | 211 | 130 | Y315M1-6 | 160 | |
| | -34.3 | 208 | 150 | Y315M1-6 | 160 | |
| | -39.2 | 205 | 169 | Y355M2-6 | 185 | |
| | -44.1 | 201 | 189 | Y355L1-6 | 220 | |
| | -49.0 | 197 | 209 | Y355L1-6 | 220 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "¤".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG-V

## Performance data of series GRTG-V dry type rotary vacuum pump

### GRTG-350V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | -9.8 | 184 | 43 | Y315M-10 | 55 | 9500 |
| | -14.7 | 179 | 60 | Y315L2-10 | 75 | |
| | -19.6 | 177 | 76 | Y355M1-10 | 90 | |
| | -24.5 | 174 | 93 | Y355M2-10 | 110 | |
| | -29.4 | 171 | 109 | Y355L-10 | 132 | |
| | -34.3 | 168 | 126 | Y355L-10 | 132 | |
| | -39.2 | 166 | 142 | Y450-10 | 185 | |
| | -44.1 | 163 | 159 | Y450-10 | 185 | |
| 630 * | -9.8 | 198 | 46 | Y315S-8 | 55 | 8820 |
| | -14.7 | 193 | 64 | Y315M-8 | 75 | |
| | -19.6 | 191 | 81 | Y315L1-8 | 90 | |
| | -24.5 | 188 | 99 | Y315L2-8 | 110 | |
| | -29.4 | 185 | 116 | Y355M1-8 | 132 | |
| | -34.3 | 182 | 134 | Y355M2-8 | 160 | |
| | -39.2 | 180 | 152 | Y355M2-8 | 160 | |
| | -44.1 | 176 | 170 | Y355M3-8 | 185 | |
| | -49.0 | 173 | 186 | Y355M4-8 | 200 | |
| 670 | -9.8 | 211 | 49 | Y315S-8 | 55 | 8820 |
| | -14.7 | 206 | 68 | Y315M-8 | 75 | |
| | -19.6 | 204 | 86 | Y315L1-8 | 90 | |
| | -24.5 | 201 | 105 | Y315L2-8 | 110 | |
| | -29.4 | 198 | 124 | Y355M1-8 | 132 | |
| | -34.3 | 195 | 143 | Y355M2-8 | 160 | |
| | -39.2 | 193 | 161 | Y355M3-8 | 185 | |
| | -44.1 | 190 | 180 | Y355L-8 | 200 | |
| | -49.0 | 186 | 199 | Y400-8 | 220 | |
| 710 | -9.8 | 225 | 52 | Y3155-6 | 75 | 7840 |
| | -14.7 | 219 | 72 | Y315M-6 | 90 | |
| | -19.6 | 217 | 91 | Y315L1-6 | 110 | |
| | -24.5 | 214 | 111 | Y315L2-6 | 132 | |
| | -29.4 | 211 | 131 | Y355M1-6 | 160 | |
| | -34.3 | 208 | 151 | Y355M2-6 | 185 | |
| | -39.2 | 206 | 171 | Y355M2-6 | 185 | |
| | -44.1 | 203 | 191 | Y355M2-6 | 200 | |
| | -49.0 | 199 | 211 | Y355M4-6 | 250 | |
| 730 * | -9.8 | 231 | 52 | Y315M-8 | 75 | 9470 |
| | -14.7 | 226 | 73 | Y315l1-8 | 90 | |
| | -19.6 | 224 | 93 | Y315L2-8 | 110 | |
| | -24.5 | 221 | 113 | Y355M1-8 | 132 | |
| | -29.4 | 218 | 134 | Y355M2-8 | 160 | |
| | -34.3 | 215 | 154 | Y355M3-8 | 185 | |
| | -39.2 | 213 | 175 | Y355M3-8 | 185 | |
| | -44.1 | 209 | 195 | Y400-8 | 220 | |
| | -49.0 | 206 | 216 | Y450-8 | 250 | |

### GRTG-400V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | -9.8 | 232 | 52 | Y315L2-10 | 75 | 9990 |
| | -14.7 | 226 | 73 | Y355M1-10 | 90 | |
| | -19.6 | 224 | 94 | Y355M2-10 | 110 | |
| | -24.5 | 220 | 115 | Y355L-10 | 132 | |
| | -29.4 | 215 | 135 | Y450-10 | 185 | |
| | -34.3 | 212 | 156 | Y450-10 | 185 | |
| | -39.2 | 208 | 177 | Y450-10 | 200 | |
| | -44.1 | 205 | 198 | Y450-10 | 220 | |
| | -49.0 | 199 | 218 | Y450-10 | 250 | |
| 630 | -9.8 | 259 | 56 | Y315M-8 | 75 | 9900 |
| | -14.7 | 253 | 78 | Y315L1-8 | 90 | |
| | -19.6 | 251 | 100 | Y315L2-8 | 110 | |
| | -24.5 | 247 | 122 | Y355M1-8 | 135 | |
| | -29.4 | 242 | 144 | Y355M2-8 | 160 | |
| | -34.3 | 239 | 167 | Y355M4-8 | 200 | |
| | -39.2 | 235 | 189 | Y355M4-8 | 200 | |
| | -44.1 | 221 | 211 | Y450-8 | 250 | |
| | -49.0 | 216 | 233 | Y450-8 | 250 | |
| 670 | -9.8 | 265 | 59 | Y315M-8 | 75 | 9990 |
| | -14.7 | 260 | 83 | Y315L1-8 | 90 | |
| | -19.6 | 258 | 106 | Y355M1-8 | 132 | |
| | -24.5 | 254 | 130 | Y355M2-8 | 160 | |
| | -29.4 | 249 | 153 | Y255M2-8 | 160 | |
| | -34.3 | 246 | 177 | Y355M4-8 | 200 | |
| | -39.2 | 242 | 201 | Y400-8 | 220 | |
| | -44.1 | 238 | 225 | Y450-8 | 250 | |
| | -49.0 | 233 | 248 | Y450-8 | 280 | |
| 710 | -9.8 | 282 | 63 | Y315S-6 | 75 | 9270 |
| | -14.7 | 277 | 88 | Y315L1-6 | 110 | |
| | -19.6 | 275 | 113 | Y315L2-6 | 132 | |
| | -24.5 | 271 | 138 | Y355M1-6 | 160 | |
| | -29.4 | 266 | 163 | Y355M2-6 | 185 | |
| | -34.3 | 263 | 188 | Y355M2-6 | 200 | |
| | -39.2 | 269 | 213 | Y355M4-6 | 250 | |
| | -44.1 | 255 | 238 | Y355M4-6 | 160 | |
| | -49.0 | 249 | 262 | Y400-6 | 315 | |
| 730 * | -9.8 | 290 | 64 | Y315M-8 | 75 | 10130 |
| | -14.7 | 284 | 90 | Y315L2-8 | 110 | |
| | -19.6 | 282 | 115 | Y355M1-8 | 132 | |
| | -24.5 | 278 | 142 | Y355M2-8 | 160 | |
| | -29.4 | 273 | 167 | Y355L1-8 | 185 | |
| | -34.3 | 270 | 193 | Y450-8 | 250 | |
| | -39.2 | 266 | 219 | Y450-8 | 250 | |
| | -44.1 | 263 | 244 | Y450-8 | 280 | |
| | -49.0 | 257 | 269 | Y450-8 | 315 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "¤".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG-V

## Performance data of series GRTG-V dry type rotary vacuum pump

### GRTG-450V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | -9.8 | 292 | 64 | Y315L2-10 | 75 | 11230 |
| | -14.7 | 285 | 90 | Y355M2-10 | 110 | |
| | -19.6 | 282 | 116 | Y355L-10 | 132 | |
| | -24.5 | 278 | 142 | Y450-10 | 185 | |
| | -29.4 | 273 | 168 | Y450-10 | 185 | |
| | -34.3 | 269 | 194 | Y450-10 | 220 | |
| | -39.2 | 266 | 220 | Y450-10 | 250 | |
| | -44.1 | 260 | 246 | Y450-10 | 280 | |
| | -49.0 | 255 | 271 | Y500-10 | 315 | |
| 630 | -9.8 | 313 | 68 | Y315M-8 | 75 | 10760 |
| | -14.7 | 306 | 96 | Y315L2-8 | 110 | |
| | -19.6 | 303 | 124 | Y355M2-8 | 160 | |
| | -24.5 | 299 | 152 | Y355M2-8 | 160 | |
| | -29.4 | 294 | 179 | Y355M4-8 | 200 | |
| | -34.3 | 290 | 207 | Y450-8 | 250 | |
| | -39.2 | 287 | 234 | Y450-8 | 250 | |
| | -44.1 | 282 | 262 | Y450-8 | 315 | |
| | -49.0 | 276 | 290 | Y450-8 | 315 | |
| 670 | -9.8 | 334 | 73 | Y315L1-8 | 90 | 11780 |
| | -14.7 | 327 | 103 | Y355M1-8 | 132 | |
| | -19.6 | 324 | 132 | Y355M2-8 | 160 | |
| | -24.5 | 320 | 161 | Y355M3-8 | 185 | |
| | -29.4 | 315 | 190 | Y400-8 | 220 | |
| | -34.3 | 311 | 220 | Y450-8 | 250 | |
| | -39.2 | 308 | 249 | Y450-8 | 280 | |
| | -44.1 | 303 | 279 | Y450-8 | 315 | |
| | -49.0 | 297 | 308 | Y450-8 | 355 | |
| 710 | -9.8 | 355 | 77 | Y315M-6 | 90 | 10460 |
| | -14.7 | 348 | 108 | Y315L2-6 | 132 | |
| | -19.6 | 345 | 139 | Y355M2-6 | 185 | |
| | -24.5 | 341 | 171 | Y355M3-6 | 200 | |
| | -29.4 | 336 | 202 | Y355L1-6 | 220 | |
| | -34.3 | 332 | 208 | Y400-6 | 280 | |
| | -39.2 | 329 | 264 | Y400-6 | 280 | |
| | -44.1 | 324 | 296 | Y450-6 | 355 | |
| | -49.0 | 318 | 327 | Y450-6 | 355 | |
| 730 * | -9.8 | 365 | 78 | Y315L1-8 | 90 | 11300 |
| | -14.7 | 358 | 110 | Y355M1-8 | 132 | |
| | -19.6 | 355 | 143 | Y355M2-8 | 160 | |
| | -24.5 | 351 | 175 | Y355L2-8 | 200 | |
| | -29.4 | 346 | 207 | Y450-8 | 250 | |
| | -34.3 | 342 | 239 | Y450-8 | 250 | |
| | -39.2 | 339 | 271 | Y450-8 | 315 | |
| | -44.1 | 334 | 303 | Y450-8 | 355 | |
| | -49.0 | 328 | 335 | Y500-8 | 400 | |

### GRTG-500V

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | |
| 590 * | -9.8 | 361 | 78 | Y355M1-10 | 90 | 13630 |
| | -14.7 | 352 | 110 | Y355L-10 | 132 | |
| | -19.6 | 349 | 142 | Y355L2-10 | 160 | |
| | -24.5 | 343 | 174 | Y450-10 | 185 | |
| | -29.4 | 337 | 206 | Y450-10 | 220 | |
| | -34.3 | 332 | 238 | Y450-10 | 250 | |
| | -39.2 | 327 | 270 | Y500-10 | 315 | |
| | -44.1 | 323 | 302 | Y500-10 | 355 | |
| | -49.0 | 314 | 334 | Y500-10 | 355 | |
| 630 | -9.8 | 387 | 83 | Y315L1-8 | 90 | 13590 |
| | -14.7 | 378 | 117 | Y355M1-8 | 132 | |
| | -19.6 | 375 | 151 | Y355M2-8 | 160 | |
| | -24.5 | 369 | 186 | Y355L-8 | 200 | |
| | -29.4 | 363 | 220 | Y450-8 | 250 | |
| | -34.3 | 358 | 254 | Y450-8 | 280 | |
| | -39.2 | 353 | 288 | Y450-8 | 315 | |
| | -44.1 | 349 | 323 | Y450-8 | 355 | |
| | -49.0 | 340 | 357 | Y500-8 | 400 | |
| 670 | -9.8 | 413 | 88 | Y315L2-8 | 110 | 13590 |
| | -14.7 | 404 | 125 | Y355M1-8 | 132 | |
| | -19.6 | 401 | 161 | Y355M3-8 | 185 | |
| | -24.5 | 395 | 198 | Y450-8 | 250 | |
| | -29.4 | 389 | 234 | Y450-8 | 250 | |
| | -34.3 | 384 | 270 | Y450-8 | 315 | |
| | -39.2 | 379 | 306 | Y450-8 | 355 | |
| | -44.1 | 375 | 343 | Y500-8 | 400 | |
| | -49.0 | 366 | 379 | Y500-8 | 400 | |
| 710 | -9.8 | 439 | 93 | Y315L1-6 | 110 | 12930 |
| | -14.7 | 430 | 132 | Y355M1-6 | 160 | |
| | -19.6 | 427 | 170 | Y355M3-6 | 200 | |
| | -24.5 | 421 | 209 | Y400-6 | 250 | |
| | -29.4 | 415 | 148 | Y400-6 | 280 | |
| | -34.3 | 410 | 287 | Y400-6 | 355 | |
| | -39.2 | 405 | 325 | Y450-6 | 355 | |
| | -44.1 | 401 | 364 | Y450-6 | 400 | |
| | -49.0 | 392 | 402 | Y450-6 | 450 | |
| 730 * | -9.8 | 452 | 96 | Y315L2-8 | 110 | 13850 |
| | -14.7 | 443 | 136 | Y355M2-8 | 160 | |
| | -19.6 | 440 | 175 | Y355L2-8 | 200 | |
| | -24.5 | 434 | 214 | Y450-8 | 250 | |
| | -29.4 | 428 | 253 | Y450-8 | 280 | |
| | -34.3 | 423 | 293 | Y450-8 | 355 | |
| | -39.2 | 418 | 333 | Y450-8 | 355 | |
| | -44.1 | 414 | 372 | Y500-8 | 400 | |
| | -49.0 | 405 | 412 | Y500-8 | 450 | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTR-W

## Performance data of series GRTR-W wet type rotary vacuum pump

### GRTR-245W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 650 | -13.3 | 66.0 | 21.5 | Y225M-6 | 30 | 30 | 3630 |
| | -20.0 | 65.0 | 29.4 | Y250M-6 | 37 | | |
| | -26.7 | 63.8 | 37.2 | Y280S-6 | 45 | | |
| | -33.3 | 62.0 | 45.0 | Y280M-6 | 55 | | |
| | -40.0 | 60.0 | 53.0 | Y315S-6 | 75 | | |
| | -46.7 | 57.3 | 61.7 | Y315S-6 | 75 | | |
| | -53.3 | 53.5 | 68.2 | Y315S-6 | 75 | | |
| 730 * | -13.3 | 74.6 | 24.0 | Y250M-8 | 30 | 30 | 3280 |
| | -20.0 | 73.6 | 32.5 | Y280S-8 | 37 | | |
| | -26.7 | 72.4 | 41.5 | Y315S-8 | 55 | | |
| | -33.3 | 70.6 | 50.5 | Y315S-8 | 55 | | |
| | -40.0 | 68.6 | 59.1 | Y315M-8 | 75 | | |
| | -46.7 | 65.9 | 68.9 | Y315M-8 | 75 | | |
| | -53.3 | 62.1 | 76.5 | Y315L1-8 | 90 | | |
| 800 | -13.3 | 82.1 | 26.2 | Y225M-6 | 30 | 33 | 3690 |
| | -20.0 | 81.1 | 36.0 | Y280S-6 | 45 | | |
| | -26.7 | 79.9 | 45.3 | Y280M-6 | 55 | | |
| | -33.3 | 78.1 | 55.0 | Y315S-6 | 75 | | |
| | -40.0 | 76.1 | 64.5 | Y315S-6 | 75 | | |
| | -46.7 | 73.4 | 74.0 | Y315M-6 | 90 | | |
| | -53.3 | 69.6 | 83.5 | Y315M-6 | 90 | | |
| 880 | -13.3 | 90.7 | 29.0 | Y250M-6 | 37 | 33 | 3690 |
| | -20.0 | 89.7 | 39.5 | Y280S-6 | 45 | | |
| | -26.7 | 88.5 | 50.0 | Y280M-6 | 55 | | |
| | -33.3 | 87.5 | 60.5 | Y315S-6 | 75 | | |
| | -40.0 | 84.7 | 71.0 | Y315M-6 | 90 | | |
| | -46.7 | 82.0 | 81.5 | Y315M-6 | 90 | | |
| | -53.3 | 78.2 | 92.0 | Y315L1-6 | 110 | | |
| 980 * | -13.3 | 101 | 31.8 | Y250M-6 | 37 | 33 | 3360 |
| | -20.0 | 100 | 34.5 | Y280S-6 | 45 | | |
| | -26.7 | 99.3 | 55.5 | Y315S-6 | 75 | | |
| | -33.3 | 97.5 | 67.0 | Y315S-6 | 75 | | |
| | -40.0 | 95.5 | 78.8 | Y315M-6 | 90 | | |
| | -46.7 | 92.8 | 90.5 | Y315L1-6 | 100 | | |
| | -53.3 | 89.0 | 102 | Y315L1-6 | 110 | | |

### GRTR-250W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 650 | -13.3 | 82.7 | 26.5 | Y225M-6 | 30 | 32 | 3985 |
| | -20.0 | 81.6 | 36.0 | Y280S-6 | 45 | | |
| | -26.7 | 80.1 | 46.0 | Y280M-6 | 55 | | |
| | -33.3 | 78.3 | 55.5 | Y315S-6 | 75 | | |
| | -40.0 | 76.1 | 65.2 | Y315S-6 | 75 | | |
| | -46.7 | 73.1 | 75.0 | Y315M-6 | 90 | | |
| | -53.3 | 69.0 | 84.5 | Y315M-6 | 90 | | |
| 730 * | -13.3 | 93.4 | 29.0 | Y280S-8 | 37 | 32 | 3735 |
| | -20.0 | 92.3 | 40.0 | Y280M-8 | 45 | | |
| | -26.7 | 90.8 | 51.0 | Y315S-8 | 55 | | |
| | -33.3 | 89.0 | 62.0 | Y315M-8 | 75 | | |
| | -40.0 | 86.8 | 72.9 | Y315L1-8 | 90 | | |
| | -46.7 | 83.8 | 83.5 | Y3151-8 | 90 | | |
| | -53.3 | 79.7 | 94.4 | Y315L2-8 | 110 | | |
| 800 | -13.3 | 103 | 32.5 | Y250M-6 | 37 | 32 | 4075 |
| | -20.0 | 102 | 44.5 | Y280M-6 | 55 | | |
| | -26.7 | 100 | 56.5 | Y315S-6 | 75 | | |
| | -33.3 | 98.4 | 68.0 | Y315S-6 | 75 | | |
| | -40.0 | 96.2 | 80.0 | Y315M-6 | 90 | | |
| | -46.7 | 93.2 | 92.0 | Y315L1-6 | 110 | | |
| | -53.3 | 89.0 | 104 | Y315L2-6 | 132 | | |
| 880 | -13.3 | 113 | 35 | Y250S-6 | 45 | 35 | 4075 |
| | -20.0 | 112 | 48.5 | Y280M-6 | 55 | | |
| | -26.7 | 111 | 61.5 | Y315S-6 | 75 | | |
| | -33.3 | 109 | 74.5 | Y315M-6 | 90 | | |
| | -40.0 | 10.7 | 88.0 | Y315L-6 | 110 | | |
| | -46.7 | 104 | 101 | Y315L1-6 | 110 | | |
| | -53.3 | 99.8 | 114 | Y315L2-6 | 132 | | |
| 980 * | -13.3 | 127 | 39.0 | Y250S-6 | 45 | 35 | 4115 |
| | -20.0 | 126 | 54.0 | Y315S-8 | 75 | | |
| | -26.7 | 124 | 68.3 | Y315S-8 | 75 | | |
| | -33.3 | 122 | 83.0 | Y315M-8 | 90 | | |
| | -40.0 | 120 | 97.5 | Y315L1-8 | 110 | | |
| | -46.7 | 117 | 112 | Y355L2-6 | 132 | | |
| | -53.3 | 113 | 127 | Y355M1-6 | 160 | | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "¤".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTR-W

## Performance data of series GRTR-W wet type rotary vacuum pump

### GRTR-290W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 650 | -13.3 | 97.6 | 30.5 | Y250M-6 | 37 | 32 | 4340 |
| | -20.0 | 96.1 | 41.5 | Y280M-6 | 55 | | |
| | -26.7 | 94.6 | 53.0 | Y315S-6 | 75 | | |
| | -33.3 | 92.6 | 64.5 | Y315S-6 | 75 | | |
| | -40.0 | 90.6 | 75.8 | Y315M-6 | 90 | | |
| | -46.7 | 87.8 | 87.1 | Y315L1-6 | 110 | | |
| | -53.3 | 82.6 | 98.5 | Y31L1-6 | 110 | | |
| 730 * | -13.3 | 110 | 34.0 | Y280S-8 | 37 | 32 | 4560 |
| | -20.0 | 109 | 47.0 | Y315S-8 | 55 | | |
| | -26.7 | 107 | 59.8 | Y315M-8 | 75 | | |
| | -33.3 | 105 | 72.5 | Y315L1-8 | 90 | | |
| | -40.0 | 103 | 85.5 | Y315L1-8 | 90 | | |
| | -46.7 | 100 | 98.5 | Y355L2-8 | 110 | | |
| | -53.3 | 95.3 | 111 | Y355M1-8 | 132 | | |
| 800 | -13.3 | 121 | 37.0 | Y280S-6 | 45 | 32 | 4890 |
| | -20.0 | 120 | 51.0 | Y315S-6 | 75 | | |
| | -26.7 | 118 | 65.0 | Y315S-6 | 75 | | |
| | -33.3 | 116 | 79.0 | Y315M-6 | 90 | | |
| | -40.0 | 114 | 93.0 | Y315L1-6 | 110 | | |
| | -46.7 | 111 | 107 | Y315L2-6 | 132 | | |
| | -53.3 | 106 | 121 | Y355M1-6 | 160 | | |
| 880 | -13.3 | 134 | 41.0 | Y280S-6 | 45 | 35 | 4890 |
| | -20.0 | 132 | 56.4 | Y315S-6 | 75 | | |
| | -26.7 | 131 | 72.0 | Y315M-6 | 90 | | |
| | -33.3 | 130 | 87.5 | Y315L1-6 | 110 | | |
| | -40.0 | 127 | 103 | Y315L2-6 | 132 | | |
| | -46.7 | 124 | 118 | Y315L2-6 | 132 | | |
| | -53.3 | 119 | 144 | Y355M1-6 | 160 | | |
| 980 * | -13.3 | 150 | 45.0 | Y280M-6 | 55 | 35 | 4580 |
| | -20.0 | 148 | 62.5 | Y315S-6 | 75 | | |
| | -26.7 | 147 | 79.5 | Y315M-6 | 90 | | |
| | -33.3 | 145 | 97.0 | Y315L1-6 | 110 | | |
| | -40.0 | 143 | 114 | Y315L2-6 | 132 | | |
| | -46.7 | 140 | 132 | Y355M1-6 | 160 | | |
| | -53.3 | 135 | 149 | Y355M1-6 | 160 | | |

### GRTR-300W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 650 | -13.3 | 126 | 40 | Y280M-6 | 55 | 35 | 5230 |
| | -20.0 | 125 | 55 | Y315S-6 | 75 | | |
| | -26.7 | 123 | 70 | Y315M-6 | 90 | | |
| | -33.3 | 121 | 85 | Y315M-6 | 90 | | |
| | -40.0 | 119 | 100 | Y315L1-6 | 110 | | |
| | -46.7 | 115 | 114 | Y315L2-6 | 132 | | |
| | -53.3 | 109 | 129 | Y355M1-6 | 160 | | |
| 730 * | -13.3 | 143 | 44 | Y315S-8 | 55 | 40 | 4980 |
| | -20.0 | 142 | 61 | Y315M-8 | 75 | | |
| | -26.7 | 140 | 78 | Y315L1-8 | 90 | | |
| | -33.3 | 138 | 95 | Y315L2-8 | 110 | | |
| | -40.0 | 136 | 111 | Y355M1-8 | 132 | | |
| | -46.7 | 132 | 128 | Y355M2-8 | 160 | | |
| | -53.3 | 126 | 144 | Y355M2-8 | 160 | | |
| 800 | -13.3 | 158 | 48 | Y280M-6 | 55 | 40 | 5320 |
| | -20.0 | 157 | 67 | Y315M-6 | 90 | | |
| | -26.7 | 155 | 85 | Y315M-6 | 90 | | |
| | -33.3 | 153 | 103 | Y315L1-6 | 110 | | |
| | -40.0 | 151 | 122 | Y355M1-6 | 160 | | |
| | -46.7 | 147 | 140 | Y355M1-6 | 160 | | |
| | -53.3 | 141 | 158 | Y355M2-6 | 185 | | |
| 880 | -13.3 | 174 | 53 | Y315S-6 | 75 | 40 | 5390 |
| | -20.0 | 173 | 74 | Y315M-6 | 90 | | |
| | -26.7 | 171 | 94 | Y315L1-6 | 110 | | |
| | -33.3 | 169 | 114 | Y315L2-6 | 132 | | |
| | -40.0 | 167 | 134 | Y355M1-6 | 160 | | |
| | -46.7 | 163 | 154 | Y355M2-6 | 185 | | |
| | -53.3 | 157 | 174 | Y355M2-6 | 185 | | |
| 980 * | -13.3 | 195 | 59 | Y315S-6 | 75 | 40 | 5130 |
| | -20.0 | 194 | 81 | Y315M-6 | 90 | | |
| | -26.7 | 192 | 104 | Y315L2-6 | 132 | | |
| | -33.3 | 190 | 126 | Y355M1-6 | 160 | | |
| | -40.0 | 188 | 149 | Y315M1-6 | 160 | | |
| | -46.7 | 184 | 171 | Y355M2-6 | 185 | | |
| | -53.3 | 178 | 193 | Y355L1-6 | 220 | | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG-W

## Performance data of series GRTG-W wet type rotary vacuum pump

### GRTG-350W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'/min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 590 * | -13.3 | 185 | 59 | Y315L2-10 | 75 | 43 | 9500 |
| | -20.0 | 184 | 81 | Y355M1-10 | 90 | | |
| | -26.7 | 183 | 103 | Y355L1-10 | 132 | | |
| | -33.3 | 182 | 125 | Y355L2-10 | 160 | | |
| | -40.0 | 179 | 146 | Y355L2-10 | 160 | | |
| | -46.7 | 173 | 168 | Y450-10 | 185 | | |
| | -53.3 | 168 | 190 | Y450-10 | 220 | | |
| 630 | -13.3 | 199 | 63 | Y315M-8 | 75 | 43 | 9020 |
| | -20.0 | 198 | 86 | Y315L2-8 | 110 | | |
| | -26.7 | 19.7 | 110 | Y355M1-8 | 132 | | |
| | -33.3 | 196 | 133 | Y355M2-8 | 160 | | |
| | -40.0 | 193 | 156 | Y355M3-8 | 185 | | |
| | -46.7 | 190 | 180 | Y355M4-8 | 200 | | |
| | -53.3 | 182 | 203 | Y400-8 | 220 | | |
| 670 | -13.3 | 213 | 67 | Y315M-8 | 75 | 43 | 9470 |
| | -20.0 | 212 | 91 | Y315L2-8 | 110 | | |
| | -26.7 | 211 | 117 | Y255M1-8 | 132 | | |
| | -33.3 | 210 | 141 | Y355M2-8 | 160 | | |
| | -40.0 | 207 | 167 | Y355M3-8 | 185 | | |
| | -46.7 | 20.4 | 191 | Y355L-8 | 200 | | |
| | -53.3 | 196 | 21.6 | Y450-8 | 250 | | |
| 710 | -13.3 | 227 | 70 | Y315S-6 | 75 | 43 | 7840 |
| | -20.0 | 226 | 97 | Y315L1-6 | 110 | | |
| | -26.7 | 225 | 124 | Y315L2-6 | 132 | | |
| | -33.3 | 224 | 150 | Y355M1-6 | 160 | | |
| | -40.0 | 221 | 176 | Y355M2-6 | 185 | | |
| | -46.7 | 218 | 202 | Y355L1-6 | 220 | | |
| | -53.3 | 210 | 229 | Y355M4-6 | 250 | | |
| 730 * | -13.3 | 234.4 | 73.0 | Y315L1-8 | 90 | 43 | 9600 |
| | -20.0 | 233.3 | 100.3 | Y315L2-8 | 110 | | |
| | -26.7 | 232.3 | 128.5 | Y355M2-8 | 160 | | |
| | -33.3 | 231.3 | 155.7 | Y355L1-8 | 185 | | |
| | -40.0 | 228.3 | 183.0 | Y355L2-8 | 200 | | |
| | -46.7 | 225.3 | 210.2 | Y450-8 | 250 | | |
| | -53.3 | 217.3 | 235.5 | Y450-8 | 250 | | |

### GRTG-400W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'/min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 590 * | -13.3 | 235 | 71 | Y355M1-10 | 30 | 45 | 9990 |
| | -20.0 | 234 | 98 | Y355M2-10 | 110 | | |
| | -26.7 | 232 | 126 | Y355L2-10 | 160 | | |
| | -33.3 | 231 | 154 | Y450-10 | 185 | | |
| | -40.0 | 229 | 179 | Y450-10 | 200 | | |
| | -46.7 | 225 | 208 | Y450-10 | 250 | | |
| | -53.3 | 220 | 236 | Y450-10 | 250 | | |
| 630 | -13.3 | 252 | 75 | Y315L1-8 | 90 | 45 | 10010 |
| | -20.0 | 251 | 105 | Y315L2-8 | 110 | | |
| | -26.7 | 249 | 135 | Y355M2-8 | 160 | | |
| | -33.3 | 248 | 164 | Y355M3-8 | 185 | | |
| | -40.0 | 246 | 193 | Y400-8 | 220 | | |
| | -46.7 | 242 | 223 | Y450-8 | 250 | | |
| | -53.3 | 237 | 252 | Y450-8 | 280 | | |
| 670 | -13.3 | 269 | 80 | Y315L1-8 | 90 | 45 | 10130 |
| | -20.0 | 268 | 112 | Y355M1-8 | 132 | | |
| | -26.7 | 266 | 143 | Y355M2-8 | 160 | | |
| | -33.3 | 265 | 174 | Y355M3-8 | 185 | | |
| | -40.0 | 263 | 207 | Y450-8 | 150 | | |
| | -46.7 | 259 | 236 | Y450-8 | 280 | | |
| | -53.3 | 251 | 268 | Y450-8 | 315 | | |
| 710 | -13.3 | 283 | 85 | Y315M-6 | 80 | 45 | 9270 |
| | -20.0 | 285 | 117 | Y315L2-6 | 132 | | |
| | -26.7 | 283 | 151 | Y355M2-6 | 185 | | |
| | -33.3 | 282 | 184 | Y355L1-6 | 220 | | |
| | -40.0 | 280 | 217 | Y355M1-6 | 250 | | |
| | -46.7 | 276 | 251 | Y400-6 | 280 | | |
| | -53.3 | 268 | 284 | Y400-6 | 315 | | |
| 730 * | -13.3 | 294.6 | 87.6 | Y315L2-8 | 110 | 45 | 10130 |
| | -20.0 | 293.6 | 121.7 | Y355M2-8 | 160 | | |
| | -26.7 | 291.6 | 155.7 | Y355L1-8 | 185 | | |
| | -33.3 | 290.6 | 189.8 | Y355L-8 | 200 | | |
| | -40.0 | 288.6 | 223.9 | Y450-8 | 250 | | |
| | -46.7 | 284.6 | 257.9 | Y450-8 | 280 | | |
| | -53.3 | 276.6 | 292.0 | Y450-8 | 315 | | |

Notes
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "¤".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

# GRTG-W

## Performance data of series GRTG-W wet type rotary vacuum pump

### GRTG-450W

| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 590 * | -13.3 | 295 | 91 | Y355M2-10 | 110 | 48 | 11230 |
| | -20.0 | 293 | 125 | Y355L-10 | 132 | | |
| | -26.7 | 291 | 160 | Y450-10 | 185 | | |
| | -33.3 | 289 | 194 | Y450-10 | 220 | | |
| | -40.0 | 287 | 229 | Y450-10 | 250 | | |
| | -46.7 | 283 | 263 | Y500-10 | 280 | | |
| | -53.3 | 275 | 297 | Y500-10 | 315 | | |
| 630 | -13.3 | 316 | 96 | Y315L2-8 | 110 | 48 | 10850 |
| | -20.0 | 314 | 133 | Y355M2-8 | 160 | | |
| | -26.7 | 312 | 170 | Y355M3-8 | 200 | | |
| | -33.3 | 310 | 206 | Y450-8 | 250 | | |
| | -40.0 | 208 | 243 | Y450-8 | 280 | | |
| | -46.7 | 304 | 281 | Y450-8 | 315 | | |
| | -53.3 | 396 | 317 | Y450-8 | 355 | | |
| 670 | -13.3 | 337 | 102 | Y315L2-8 | 110 | 48 | 11300 |
| | -20.0 | 335 | 141 | Y355M2-8 | 160 | | |
| | -26.7 | 333 | 180 | Y355M4-8 | 200 | | |
| | -33.3 | 331 | 219 | Y450-8 | 250 | | |
| | -40.0 | 329 | 269 | Y450-8 | 280 | | |
| | -46.7 | 325 | 298 | Y450-8 | 355 | | |
| | -53.3 | 317 | 337 | Y450-8 | 355 | | |
| 710 | -13.3 | 358 | 107 | Y315L2-6 | 132 | 48 | 10540 |
| | -20.0 | 356 | 149 | Y355M1-6 | 160 | | |
| | -26.7 | 354 | 190 | Y355M2-6 | 200 | | |
| | -33.3 | 352 | 232 | Y355M4-6 | 250 | | |
| | -40.0 | 350 | 274 | Y400-6 | 315 | | |
| | -46.7 | 346 | 316 | Y450-6 | 355 | | |
| | -53.3 | 338 | 356 | Y450-6 | 400 | | |
| 730 * | -13.3 | 368.5 | 110 | Y355M1-8 | 132 | 48 | 11300 |
| | -20.0 | 366.5 | 152.5 | Y355M2-8 | 160 | | |
| | -26.7 | 364.5 | 195.6 | Y400-8 | 220 | | |
| | -33.3 | 362.5 | 238.5 | Y450-8 | 250 | | |
| | -40.0 | 360.5 | 281.3 | Y450-8 | 315 | | |
| | -46.7 | 356.5 | 324.1 | Y450-8 | 355 | | |
| | -53.3 | 348.5 | 366.0 | Y500-8 | 400 | | |

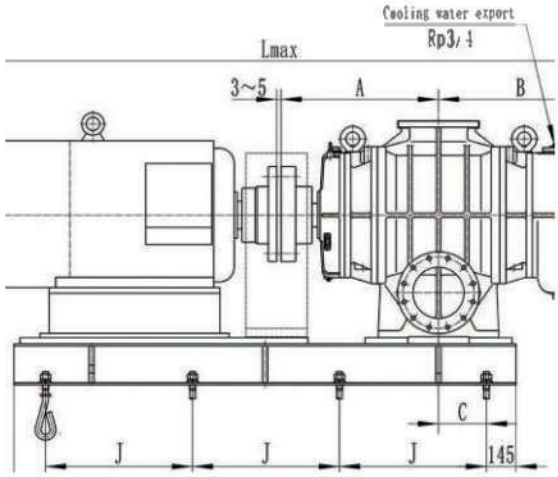
### GRTG-500W

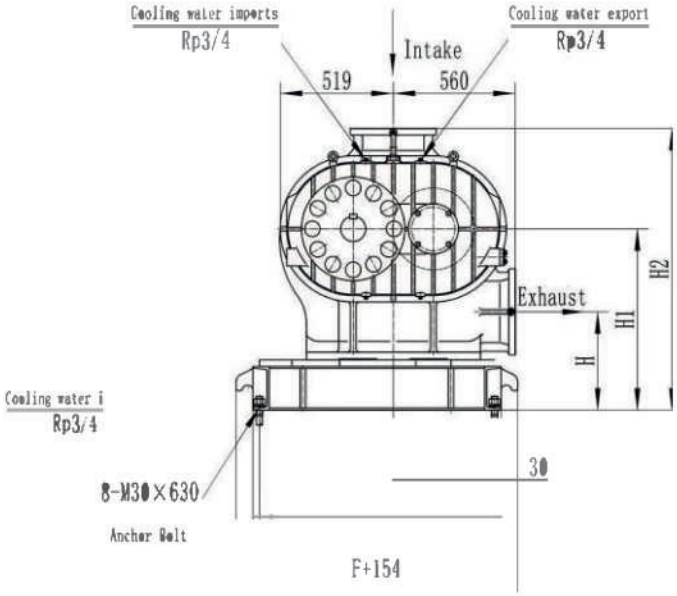
| Rotary Speed (r/min) | Pressure Rise (kPa) | Capacity (m3/min) | Shaft Power (KW) | Motor | | Sealing Water Flow (1'min) | Unit Maximum Weight (kg) |
|---|---|---|---|---|---|---|---|
| | | | | Type | Power (KW) | | |
| 590 * | -13.3 | 365 | 110 | Y355L-10 | 132 | 54 | 13760 |
| | -20.0 | 362 | 152 | Y450-10 | 185 | | |
| | -26.7 | 360 | 195 | Y450-10 | 220 | | |
| | -33.3 | 358 | 237 | Y450-10 | 250 | | |
| | -40.0 | 354 | 280 | Y500-10 | 315 | | |
| | -46.7 | 349 | 322 | Y500-10 | 355 | | |
| | -53.3 | 340 | 365 | Y500-10 | 400 | | |
| 630 | -13.3 | 391 | 118 | Y355M1-8 | 132 | 54 | 13850 |
| | -20.0 | 388 | 162 | Y355M3-8 | 185 | | |
| | -26.7 | 386 | 209 | Y450-8 | 250 | | |
| | -33.3 | 384 | 253 | Y450-8 | 280 | | |
| | -40.0 | 380 | 299 | Y450-8 | 355 | | |
| | -46.7 | 375 | 345 | Y500-8 | 400 | | |
| | -53.3 | 366 | 389 | Y500-8 | 460 | | |
| 670 | -13.3 | 417 | 124 | Y355M1-8 | 132 | 54 | 13850 |
| | -20.0 | 414 | 172 | Y355M1-8 | 200 | | |
| | -26.7 | 412 | 222 | Y450-8 | 250 | | |
| | -33.3 | 410 | 269 | Y450-8 | 315 | | |
| | -40.0 | 406 | 317 | Y450-8 | 355 | | |
| | -46.7 | 401 | 365 | Y500-8 | 400 | | |
| | -53.3 | 392 | 414 | Y500-8 | 450 | | |
| 710 | -13.3 | 443 | 130 | Y355M1-6 | 160 | 54 | 13450 |
| | -20.0 | 440 | 180 | Y355M3-6 | 200 | | |
| | -26.7 | 438 | 232 | Y355M4-6 | 250 | | |
| | -33.3 | 436 | 283 | Y400-6 | 315 | | |
| | -40.0 | 432 | 335 | Y450-6 | 400 | | |
| | -46.7 | 427 | 386 | Y450-6 | 450 | | |
| | -53.3 | 418 | 437 | Y450-6 | 500 | | |
| 730 * | -13.3 | 456 | 133 | Y355M2-8 | 160 | 54 | 14050 |
| | -20.0 | 453 | 187 | Y355L2-8 | 200 | | |
| | -26.7 | 451 | 239 | Y450-8 | 280 | | |
| | -33.3 | 449 | 292 | Y450-8 | 315 | | |
| | -40.0 | 445 | 344 | Y500-8 | 400 | | |
| | -46.7 | 440 | 397 | Y500-8 | 450 | | |
| | -53.3 | 431 | 450 | Y500-8 | 300 | | |

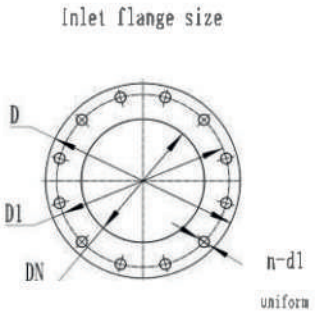
**Notes**
1. Direct drive is adopted for model marked with "*", belt drive is adopted for others.
2. Belt drive with counter shaft should be adopted for blowers whose perfomance points are enclosed by the "□".
3. When the motor is greater than 220kW, it is recommended to use 6000V or 10000V high voltage motor.

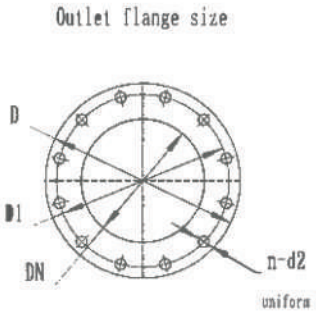
# GRTR, GRTR-V/W

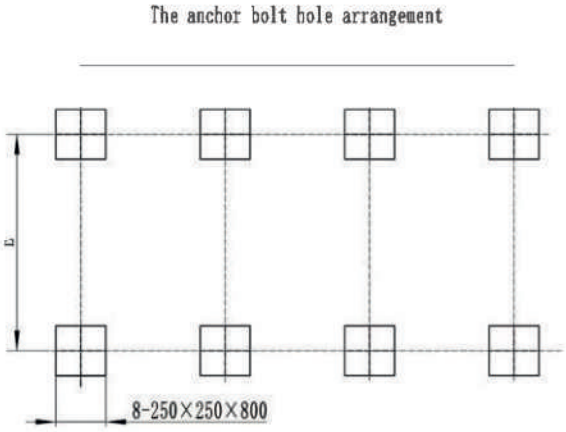
**Direct drive Outline drawing of drive for model GRTR rotary blower, model GRTR-V/W vacuum pump**



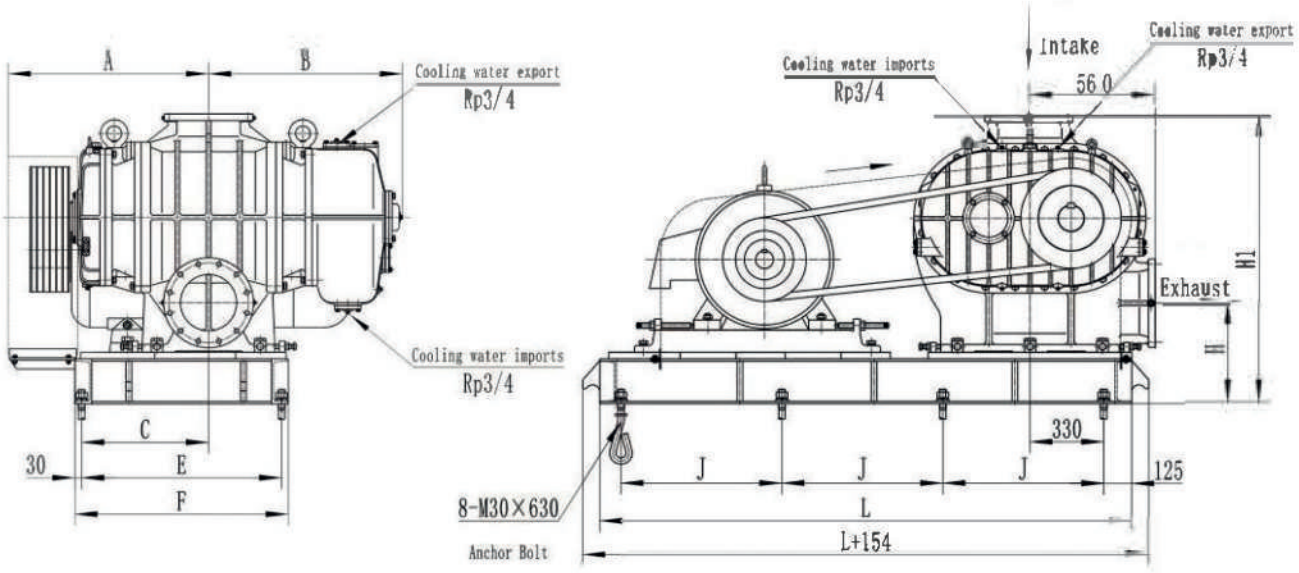



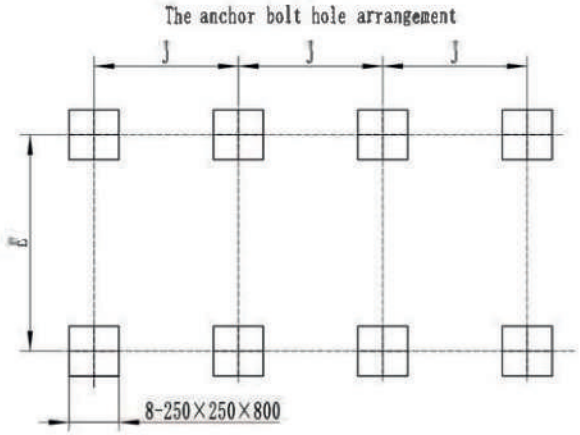



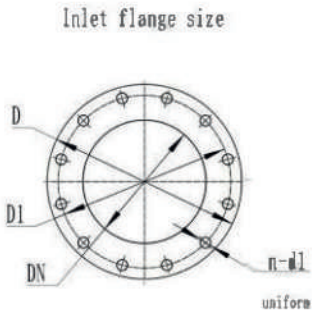

| Model | Type | A | B | C | E | F | G | J | L | L1 | H | H1 | H2 | DN | D1 | D | n-d1 | n-d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRTR(V.W)-250 | Y250 | 785 | 865 | 235 | 930 | 990 | 465 | 580 | 2030 | 2590 | 450 | 830 | 1290 | Ø250 | Ø350 | Ø395 | 12-Ø22 | 12-Ø22 |
| | Y280, Y315, Y355 | | | | 1080 | 1140 | 615 | 720 | 2460 | 3230 | | | | | | | | |
| GRTR(V.W)-295 | Y250 | 865 | 935 | 285 | 900 | 960 | 470 | 605 | 2105 | 2730 | 460 | 830 | 1290 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| | Y280, Y315, Y355 | | | | 1025 | 1080 | 600 | 750 | 2540 | 3870 | | | | | | | | |
| GRTR(V.W)-300 | Y280, Y315, Y355 | 935 | 1015 | 360 | 1025 | 1085 | 600 | 805 | 2710 | 3480 | 480 | 860 | 1320 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| | Y400-6 | | | | 1100 | 1160 | 680 | 1010 | 3320 | 4355 | | | | | | | | |
| GRTR(V.W)-350 | Y280, Y315, Y355 | 1020 | 1095 | 435 | 1025 | 1085 | 600 | 850 | 2850 | 3690 | 490 | 870 | 1390 | Ø350 | Ø460 | Ø505 | 16-Ø22 | 16-Ø22 |

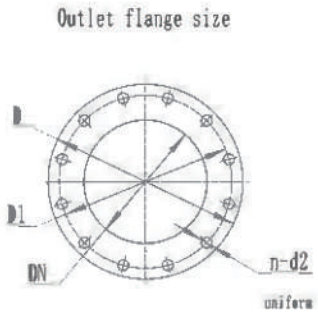
# GRTR, GRTR-V/W

**Outline drawing of belt drive for model GRTR rotary blower, model GRTR-V/W vacuum pump**



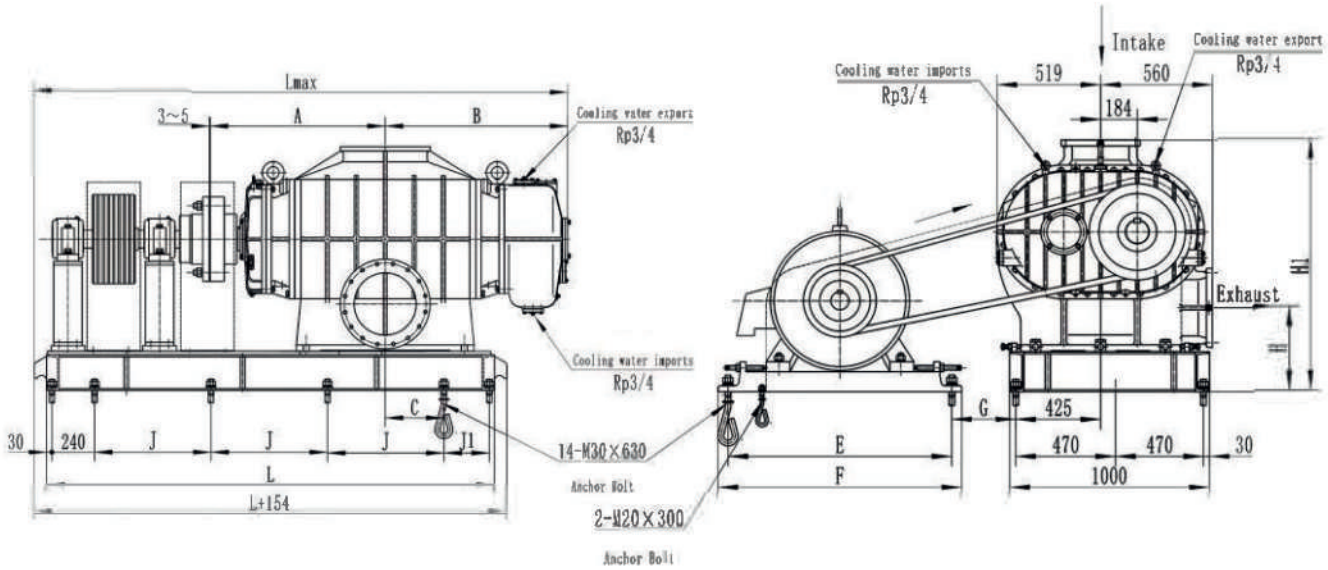



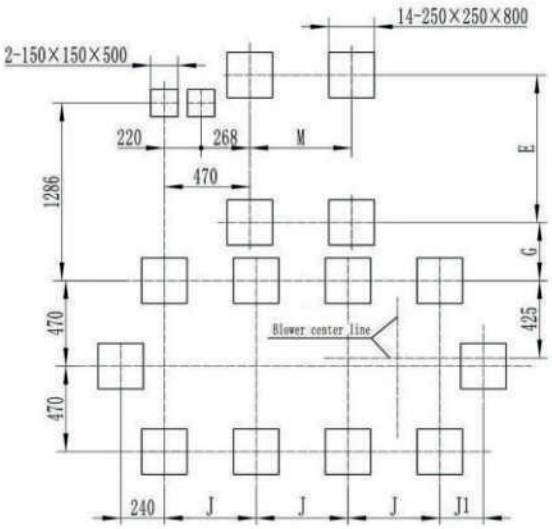

| Model | Type | A | B | C | E | F | J | L | H | H1 | Hmax | D1 | D | n-d1 | n-d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRTR(V. W)-250 | Y200, Y255 | 815 | 865 | 605 | 925 | 985 | 560 | 1930 | 450 | 1290 | Ø250 | Ø350 | Ø395 | 12-Ø22 | 12-Ø22 |
| | Y280, Y315, Y355 | 890 | | 565 | 890 | 950 | 710 | 2380 | | | | | | | |
| GRTR(V. W)-295 | Y225, Y250 | 890 | 935 | 630 | 1030 | 1090 | 550 | 1900 | 460 | 1290 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| | Y280, Y315, Y355 | 960 | | 590 | 990 | 1050 | 710 | 2380 | | | | | | | |
| GRTR(V. W)-300 | Y250 | 970 | 1015 | 695 | 1150 | 1210 | 540 | 1870 | 480 | 1320 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| | Y280, Y315, Y355 | 1045 | | 665 | 1120 | 1180 | 710 | 2380 | | | | | | | |
| GRTR(V. W)-350 | Y280, Y315, Y355 | 1130 | 1095 | 780 | 1330 | 1390 | 710 | 2380 | 490 | 1390 | Ø350 | Ø460 | Ø505 | 16-Ø22 | 16-Ø22 |

# GRTR, GRTR-V/W

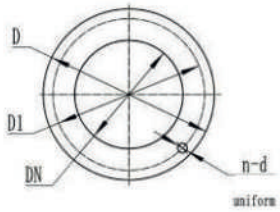
**Outline drawing of belt drive for model GRTR rotary blower, model GRTR-V/W vacuum pump**




The anchor bolt hole arrangement



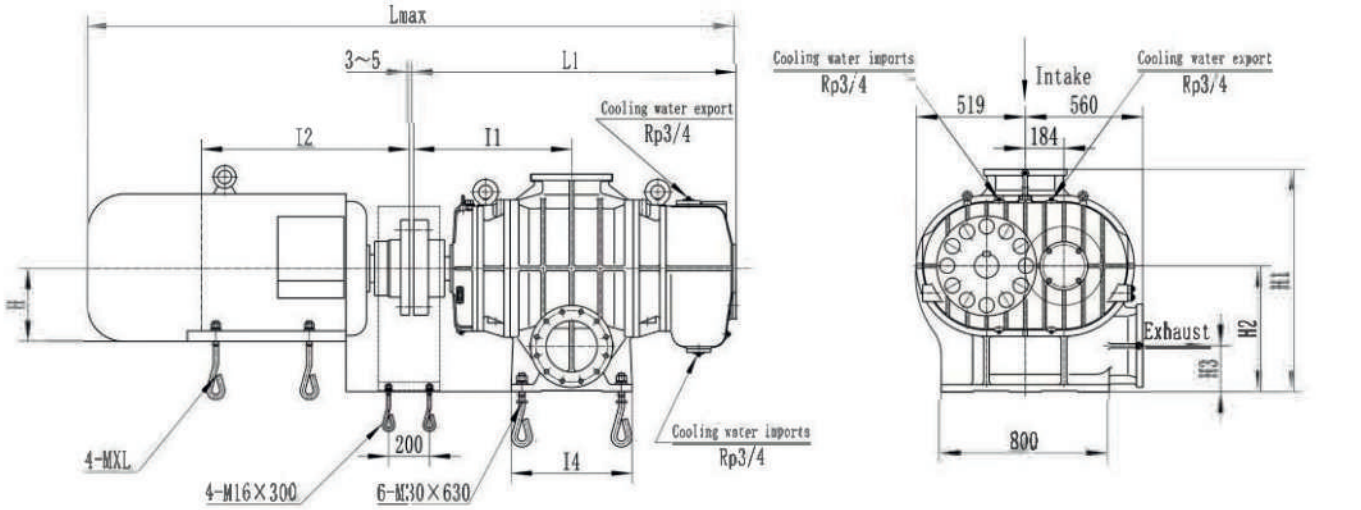

Into、exhaust flange size

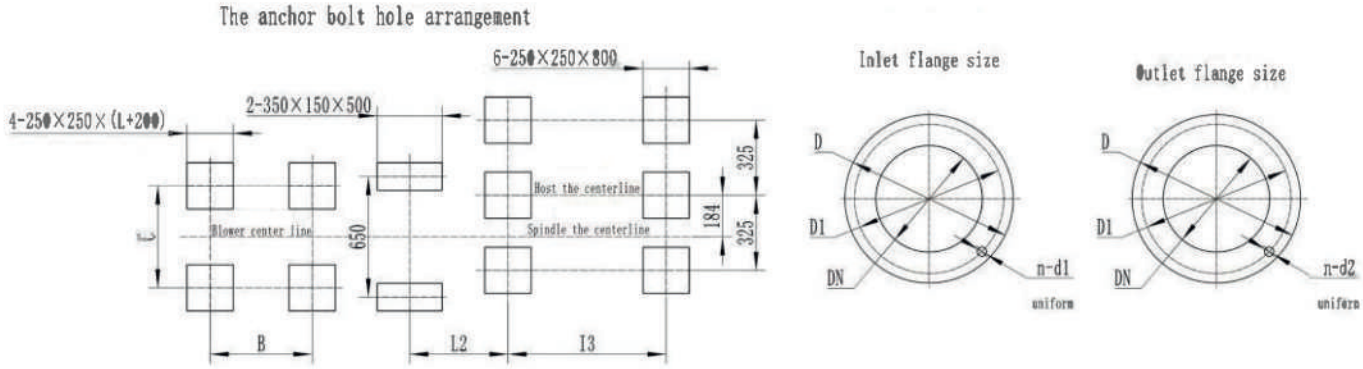



| Model | Type | A | B | C | E | F | G | H | H1 | J | J1 | L | M | Hmax | Lmax | DN | D1 | D | n-d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRTR(V.W)-250 | Y355M | 765 | 865 | 90 | 1120 | 1220 | 320 | 450 | 1290 | 505 | 240 | 2055 | 560 | 1135 | 2637 | Ø250 | Ø350 | Ø395 | 12-Ø22 |
| | Y355L | | | | | | | | | | | | 630 | | | | | | |
| GRTR(V.W)-295 | Y355M | 855 | 935 | 155 | | | | 460 | 1290 | 550 | 245 | 2195 | 560 | | 2777 | Ø300 | Ø400 | Ø445 | |
| | Y355L | | | | | | | | | | | | 630 | | | | | | |
| GRTR(V.W)-300 | Y355M | 935 | 1015 | 225 | | | | 480 | 1320 | 800 | 240 | 2340 | 560 | | 2937 | | | | |
| | Y355L | | | | | | | | | | | | 630 | | | | | | |
| | Y400 | | | | 800 | 1300 | 470 | | | | | | 1000 | 1820 | | | | | |
| GRTR(V.W)-350 | Y355M | 1020 | 1095 | 320 | 1120 | 1220 | 320 | 490 | 1390 | 880 | | 2520 | 560 | 1135 | 3102 | Ø350 | Ø480 | Ø505 | 16-Ø22 |

# GRTR, GRTR-V/W

**Direct drive Outline drawing of drive for model GRTR rotary blower, model GRTR-V/W vacuum pump**



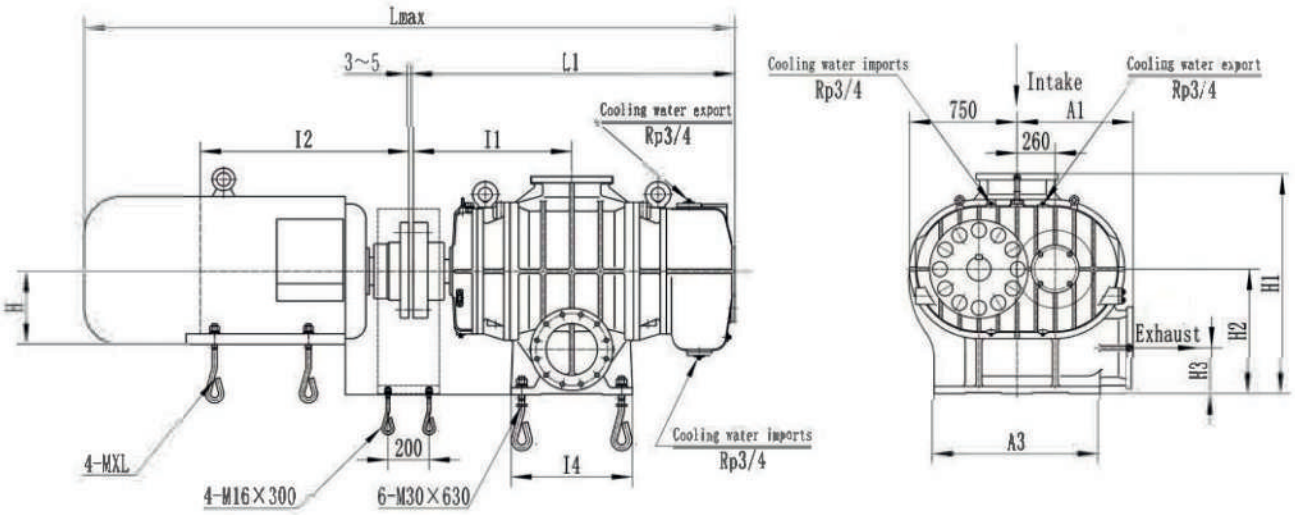




| Model | H1 | H2 | H3 | Lmax | L1 | L2 | I1 | I3 | DN | D1 | D | n-d1 | n-d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRTR(V.W)-250 | 1060 | 600 | 220 | 3230 | 1650 | 557 | 785 | 460 | Ø250 | Ø350 | Ø395 | 12-Ø22 | 12-Ø22 |
| GRTR(V.W)-295 | 1060 | 600 | 230 | 3370 | 1790 | 557 | 855 | 600 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| GRTR(V.W)-300 | 1090 | 630 | 250 | 4360 | 1950 | 582 | 935 | 710 | Ø300 | Ø400 | Ø445 | 12-Ø22 | 12-Ø22 |
| GRTR(V.W)-350 | 1160 | 640 | 260 | 3695 | 2115 | 572 | 1020 | 900 | Ø350 | Ø460 | Ø505 | 16-Ø22 | 16-Ø22 |

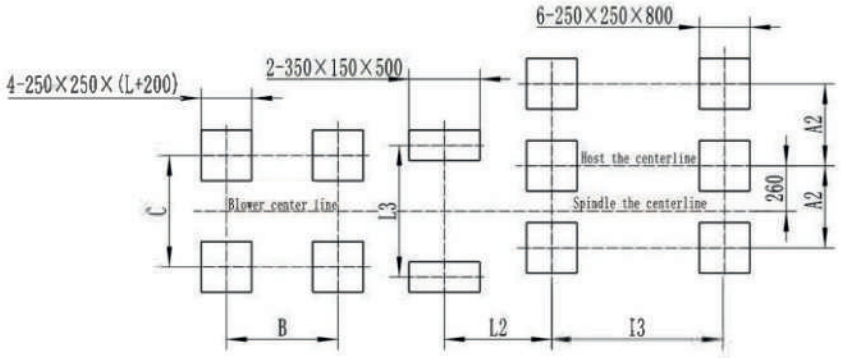
| Size / Type | Y200 | Y225 | | Y250 | Y280 | | Y315 | | | Y355 | | M400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L | s | M | M | s | M | s | M | L | M | L | |
| B | 305 | 286 | 311 | 349 | 368 | 419 | 406 | 457 | 508 | 560 | 630 | 1000 |
| C | 318 | 356 | | 406 | 457 | | 508 | | | 610 | | 710 |
| D | 200 | 225 | | 25 | 280 | | 315 | | | 355 | | 400 |
| MxL | M16x300 | | | M20x300 | | | M24x400 | | | | | M30x630 |
| I2 | 400 | 437 | 450 | 488 | 519 | 545 | 594 | 620 | 645 | 709 | 744 | 1050 |

# GRTG, GRTG-V/W

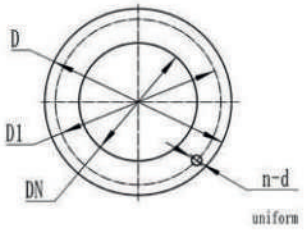
**Direct drive Outline drawing of drive for model GRTG rotary blower, model GRTG-V/W vacuum pump**




The anchor bolt hole arrangement




Inte、exhaust flange size




| Model | A1 | A2 | A3 | H1 | H2 | H3 | Lmax | L1 | L2 | I1 | I3 | L4 | DN | D1 | D | n-d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRTR(V.W)-350 | 775 | 460 | 1120 | 1475 | 825 | 175 | 4955 | 1945 | 537 | 925 | 780 | 900 | Ø350 | Ø460 | Ø505 | 16-Ø22 |
| GRTR(V.W)-400 | | | | 1500 | 860 | 300 | 5135 | 2125 | 577 | 1016 | 880 | 1000 | Ø400 | Ø515 | Ø565 | 16-Ø26 |
| GRTR(V.W)-450 | 800 | | | | 750 | 315 | 5355 | 2345 | 627 | 1125 | 1000 | 1150 | Ø450 | Ø565 | Ø615 | 20-Ø26 |
| GRTR(V.W)-500 | | 480 | 1160 | 1550 | 800 | 350 | 5965 | 2655 | 642 | 1280 | 1280 | 1400 | Ø500 | Ø620 | Ø670 | |

| Size / Type | Y315 | | Y355 | | Y450 | Y500 | Y560 |
|---|---|---|---|---|---|---|---|
| | M | L | M | L | | | |
| B | 457 | 508 | 560 | 630 | 1120 | 1250 | 1400 |
| C | 508 | | 610 | | 800 | 900 | 1000 |
| D | 315 | | 355 | | 450 | 500 | 560 |
| MxL | M24x400 | | | | M30x630 | M36x800 | |
| I2 | 620 | 645 | 709 | 744 | 1170 | 1355 | 1505 |
| L3 | 650 | | | | 750 | | |

**GEAROOT IBÉRICA, SL**
C/ CADENA, 2 28813 POZUELO DEL REY, MADRID, ESPAÑA
Info@gearoot.com / www.gearoot.es
+34 696 918 058