# Feature

**Low noise** — One-piece-type muffling design plus special soundproof material allow this model to effectively reduce the high-frequency sound caused by windage.

**Low vibration** — Corrected with computerized balancing instrument,the blades can rotate stably at high speeds with low vibration.

**High precision** — All the parts and components are processed with CNC machines,and are inspected via three-dimensional measurement equipment to ensure high precision.

**High performance** — The electrical mechanisms have passed tests conducted for dynamic characteristics, and have also passed inspections on pressure resistance, insulation, and layer short circuit for coil-winding.

## *RT* Series

Single-stage side channel blower with air flow max. to 1134 $m^3$/hr and air pressure max. to 450mbar.
Two-stage side channel blower (high pressure) with air flow max. to 575 $m^3$/hr and air pressure max. to 580mbar.
Two-stage side channel blower (large flow) with air flow max. to 850 $m^3$/hr and air pressure max. to 270mbar.

### Technical Data for 50Hz IP54 3Phase (1Phase)

| Type No. | Curve No. | Output (Kw) | Stock Voltage △ / Y (U1, V1, W1 U2, V2, W2) | Maximum Air Flow $m^3$ / min | Security top limit Vacuum / Pressure (mbar) | Noise Level (dB) | Weight (Kg) |
|---|---|---|---|---|---|---|---|
| RT-1002 | 21F | 0.18 | | 0.8 | 50 / 60 | 53 | 6.5 |
| RT-1002-1 | 21F | 0.18 | | 0.8 | 50 / 60 | 53 | 6.5 |
| RT-1002L | 21F | 0.18 | | 0.8 | 50 / 60 | 50 | 6.5 |
| RT-1003 | 22F | 0.2 | | 0.8 | 70 / 70 | 53 | 6.5 |
| RT-1003-1 | 22F | 0.2 | | 0.8 | 70 / 70 | 53 | 6.5 |
| RT-2005 | 31F | 0.4 | 220 / 380 | 1.4 | 110 / 130 | 58 | 11 |
| RT-2005-1 | 31F | 0.4 | 230 / 400 | 1.4 | 110 / 130 | 58 | 11.5 |
| RT-2005L | 32F | 0.4 | 240 / 415 | 1.4 | 110 / 130 | 58 | 11.5 |
| RT-2005L-1 | 32F | 0.4 | 208-255 / 360-440 | 1.4 | 110 / 130 | 58 | 12 |
| RT-3009 | 41F | 0.75 | (110-120 / 220-240) | 2.4 | 140 / 140 | 63 | 14.5 |
| RT-3009-1 | 41F | 0.75 | | 2.4 | 140 / 140 | 63 | 15 |
| RT-3009L | 42F | 0.75 | | 2.4 | 140 / 140 | 63 | 15 |
| RT-3009L-1 | 42F | 0.75 | | 2.4 | 140 / 140 | 63 | 15.5 |
| RT-3011 | 43F | 0.9 | | 2.4 | 165 / 180 | 63 | 15.5 |
| RT-3015 | 44F | 1.3 | | 2.4 | 175 / 200 | 63 | 16 |
| RT-4011 | 51F | 0.9 | | 3.6 | 130 / 130 | 70 | 20.5 |
| RT-4011-1 | 51F | 0.9 | | 3.6 | 130 / 130 | 70 | 21 |
| RT-4015 | 52F | 1.3 | | 3.6 | 180 / 180 | 70 | 22 |
| RT-4015-1 | 52F | 1.3 | | 3.6 | 180 / 180 | 70 | 22.5 |
| RT-4015L | 52F | 1.3 | | 3.6 | 180 / 180 | 70 | 22.5 |
| RT-4015L-1 | 52F | 1.3 | | 3.6 | 180 / 180 | 70 | 22.5 |
| RT-4018-1 | 53F | 1.5 | 220 / 380 | 3.6 | 210 / 220 | 70 | 23 |
| RT-4019 | 53F | 1.75 | 230 / 400 | 3.6 | 210 / 220 | 70 | 23 |
| RT-4019L | 54F | 1.75 | 240 / 415 | 3.6 | 210 / 220 | 70 | 23.5 |
| RT-4026 | 55F | 2.2 | 208-255 / 360-440 | 3.6 | 220 / 270 | 70 | 26 |
| RT-5026 | 61F | 2.2 | (220-240) | 5.2 | 230 / 230 | 72 | 32 |
| RT-5026-2 | 61F | 2.2 | | 5.2 | 230 / 230 | 72 | 33.5 |
| RT-5026L | 61F | 2.2 | | 5.2 | 230 / 230 | 72 | 33 |
| RT-6037 | 62F | 3.4 | | 5.2 | 260 / 280 | 72 | 35 |
| RT-6037-2 | 62F | 3.4 | | 5.2 | 260 / 280 | 72 | 36.5 |
| RT-6037L | 62F | 3.4 | | 5.2 | 260 / 280 | 72 | 36 |
| RT-6046 | 63F | 4 | | 5.2 | 270 / 330 | 72 | 38 |
| RT-7063 | 81F | 5.5 | | 9.2 | 270 / 300 | 74 | 78 |
| RT-8086 | 82F | 7.5 | 220 / 380 | 9.2 | 300 / 400 | 74 | 82 |
| RT-9110 | 91F | 9 | 230 / 400 | 18.9 | 200 / 200 | 76 | 100 |
| RT-9150 | 92F | 13 | 240 / 415 | 18.9 | 300 / 300 | 76 | 112 |
| RT-9220 | 93F | 20 | 220-240 / 380-415 | 18.9 | 350 / 450 | 76 | 159 |
| RT-23009 | 101F | 0.75 | | 1.5 | 200 / 240 | 60 | 17 |
| RT-33019 | 111F | 1.75 | 220 / 380 | 2.6 | 275 / 320 | 66 | 25 |
| RT-33026 | 112F | 2.2 | 230 / 400 | 2.6 | 280 / 375 | 66 | 28 |
| RT-43037 | 121F | 3.4 | 240 / 415 | 3.7 | 345 / 410 | 74 | 43 |
| RT-43046 | 122F | 4.0 | 208-255 / 360-440 | 3.7 | 355 / 495 | 74 | 45 |
| RT-63046 | 131F | 4.0 | | 5.2 | 360 / 380 | 75 | 55 |
| RT-63063 | 132F | 5.5 | | 5.2 | 410 / 515 | 75 | 72 |
| RT-63086 | 133F | 7.5 | | 5.2 | 420 / 580 | 75 | 81 |
| RT-64063 | 142F | 5.5 | 220 / 380 | 7.8 | 200 / 220 | 75 | 70 |
| RT-64086 | 143F | 7.5 | 230 / 400 | 7.8 | 240 / 270 | 75 | 81 |
| RT-83086 | 151F | 7.5 | 240 / 415 | 9.6 | 320 / 320 | 76 | 112 |
| RT-83130 | 152F | 11 | 220-240 / 380-415 | 9.6 | 430 / 600 | 76 | 142 |
| RT-83190 | 153F | 16 | | 9.6 | 450 / 700 | 76 | 160 |
| RT-84086 | 161F | 7.5 | | 14.2 | 150 / 150 | 76 | 110 |
| RT-84130 | 162F | 11 | | 14.2 | 260 / 260 | 76 | 140 |

The technical data is based on 1 bar (abs.) free atmosphere and 20°C with Inlet air density 1.2kg/$m^3$, includes 10% variance.