KRUGER

# RDC Series

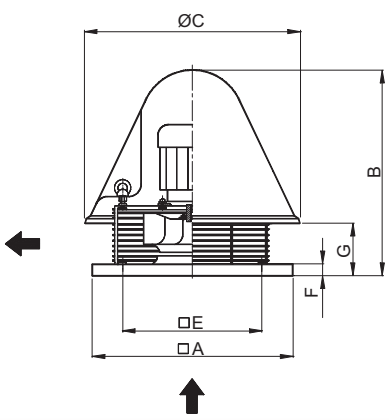
## ROOF EXHAUST CENTRIFUGAL FAN



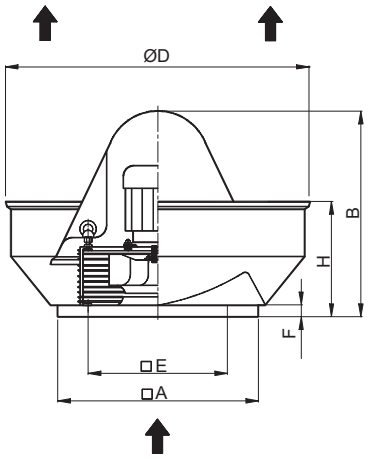
# *Roof Exhaust Centrifugal Fan –* **RDC Series**

- *Roof exhaust centrifugal fan are designed for air exhaust, mounted on the roof in vertical position, with radial and vertical air flow.*
- *Rainhood is made of fiberglass as protection against adverse weather conditions.*
- *Supported casing made of galvanised steel with protection grille to prevent contact with moving parts.*
- *Centrifugal backward curved impeller is made of galvanised sheet steel.*
- *All wheels are statically and dynamically balanced in accordance with ISO 1940 or AMCA204 - Grade G2.5 standard.*
- *Totally enclosed motor, IP54 protection with class F insulation.*
- *Standard motor up to 2.2kW are usually supplied on DOL starting, motor 3.0kW and above Star/Delta.*
- *Max temperature of air and fumes at temperature of 80 ℃.*
- *Accessories such as backdraft damper are available upon request.*

***RDC– H***




***RDC-V***




| Model | A | B | ØC | ØD | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| RDC 400 | 514 | 584 | 651 | 826 | 464 | 38 | 219 | 345 |
| RDC 450 | 760 | 740 | 932 | 1251 | 699 | 38 | 216 | 498 |
| RDC 500 | 760 | 773 | 932 | 1251 | 699 | 38 | 250 | 498 |
| RDC 560 | 760 | 813 | 932 | 1251 | 699 | 38 | 290 | 498 |
| RDC 630 | 860 | 918 | 1090 | 1379 | 798 | 38 | 306 | 544 |
| RDC 710 | 860 | 961 | 1090 | 1379 | 798 | 38 | 349 | 544 |
| RDC 800 | 960 | 1077 | 1210 | 1526 | 898 | 38 | 378 | 588 |
| RDC 900 | 1160 | 1244 | 1464 | 1986 | 1098 | 30 | 360 | 735 |
| RDC 1000 | 1160 | 1294 | 1464 | 1986 | 1098 | 30 | 401 | 735 |

All dimensions in mm

***Technical Data – 50 Hz***

| Model | Max. air mov. m3/h | Phase | N° Poles | Power kW | Hz | dB (A) at 3m | RPM | RDC-H Weight (Kg) | RDC-V Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| RDC 400/4P | 3200 | 3 | 4 | 0.37 | 50 | 60 | 1390 | 36 | 39 |
| RDC 400/6P | 2000 | 3 | 6 | 0.18 | 50 | 51 | 910 | 36 | 39 |
| RDC 450/4P | 4700 | 3 | 4 | 0.55 | 50 | 62 | 1405 | 49 | 56 |
| RDC 450/6P | 3000 | 3 | 6 | 0.25 | 50 | 55 | 910 | 52 | 58 |
| RDC 500/4P | 6500 | 3 | 4 | 1.10 | 50 | 64 | 1400 | 66 | 73 |
| RDC 500/6P | 4700 | 3 | 6 | 0.55 | 50 | 57 | 910 | 64 | 70 |
| RDC 560/4P | 8700 | 3 | 4 | 1.50 | 50 | 67 | 1405 | 73 | 80 |
| RDC 560/6P | 6800 | 3 | 6 | 0.75 | 50 | 60 | 935 | 71 | 77 |
| RDC 630/6P | 10600 | 3 | 6 | 1.10 | 50 | 63 | 935 | 77 | 85 |
| RDC 710/6P | 15000 | 3 | 6 | 2.20 | 50 | 66 | 950 | 103 | 112 |
| RDC 800/6P | 22000 | 3 | 6 | 4.00 | 50 | 69 | 955 | 161 | 171 |
| RDC 900/6P | 31000 | 3 | 6 | 7.50 | 50 | 71 | 970 | 240 | 251 |
| RDC1000/6P | 43000 | 3 | 6 | 11.0 | 50 | 73 | 970 | 286 | 302 |

***Technical Data – 60 Hz***

| Model | Max. air mov. m3/h | Phase | N° Poles | Power kW | Hz | dB (A) at 3m | RPM | RDC-H Weight (Kg) | RDC-V Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| RDC 400/6P | 2500 | 3 | 6 | 0.25 | 60 | 56 | 1120 | 45 | 48 |
| RDC 450/6P | 3700 | 3 | 6 | 0.37 | 60 | 59 | 1120 | 55 | 61 |
| RDC 500/6P | 5800 | 3 | 6 | 0.75 | 60 | 61 | 1120 | 66 | 72 |
| RDC 560/6P | 8200 | 3 | 6 | 1.10 | 60 | 64 | 1130 | 74 | 80 |
| RDC 630/6P | 12800 | 3 | 6 | 1.50 | 60 | 67 | 1130 | 81 | 89 |
| RDC 710/6P | 18000 | 3 | 6 | 4.00 | 60 | 69 | 1150 | 127 | 136 |
| RDC 800/6P | 26500 | 3 | 6 | 5.50 | 60 | 72 | 1150 | 166 | 176 |
| RDC 900/8P | 27500 | 3 | 8 | 7.50 | 60 | 70 | 860 | 262 | 273 |
| RDC1000/8P | 38000 | 3 | 8 | 11.0 | 60 | 72 | 860 | 311 | 327 |

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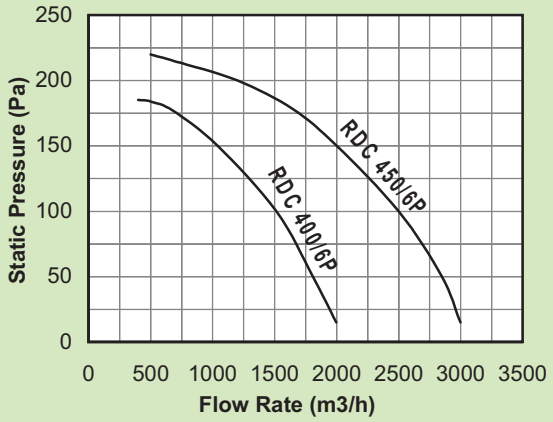
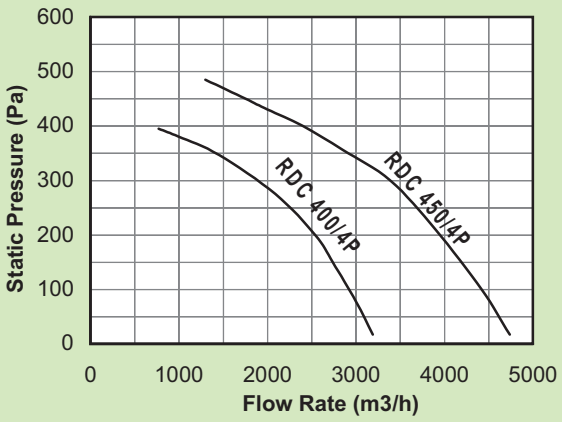
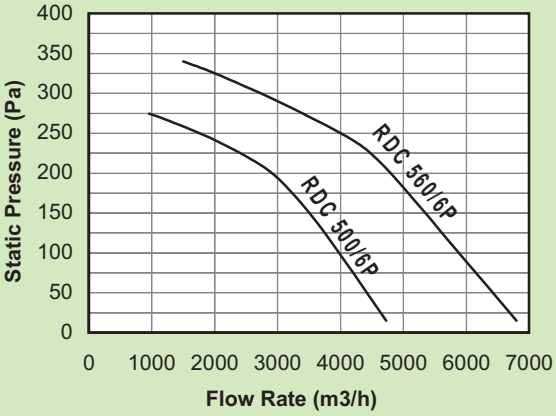
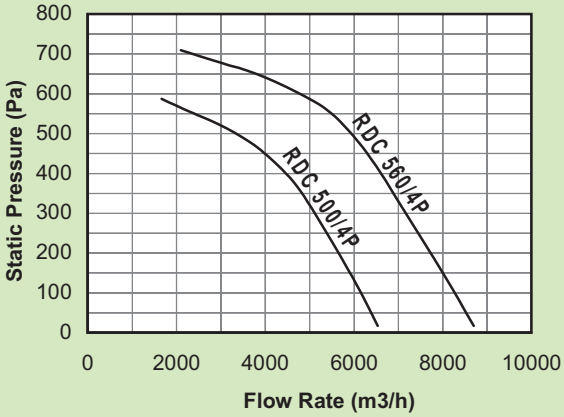
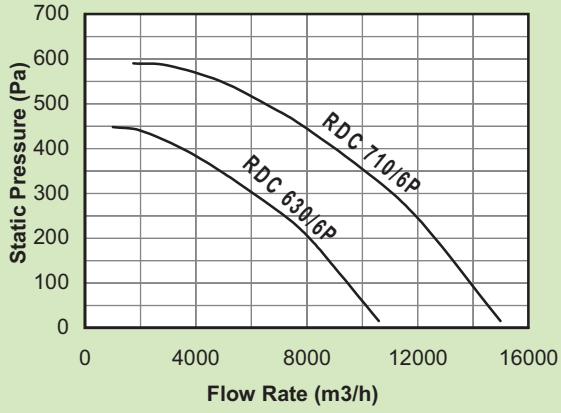
## *Performance Data - 50 Hz*

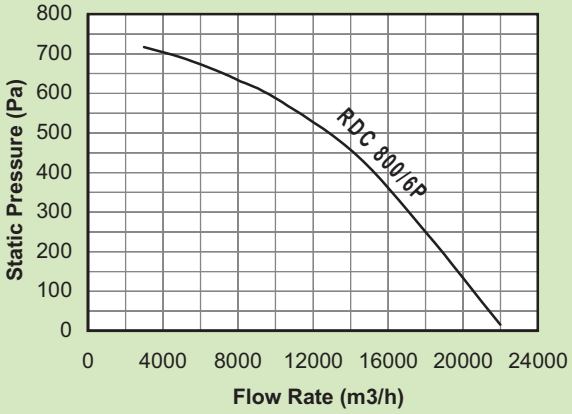


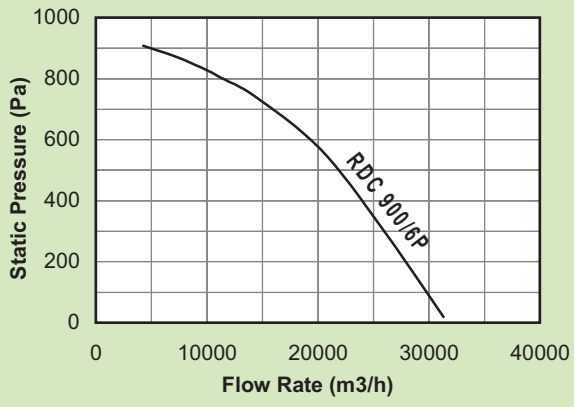



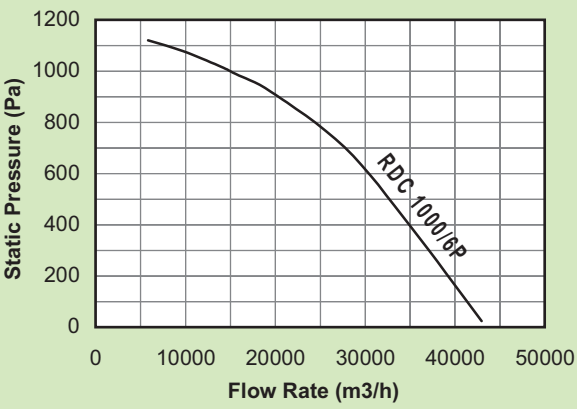



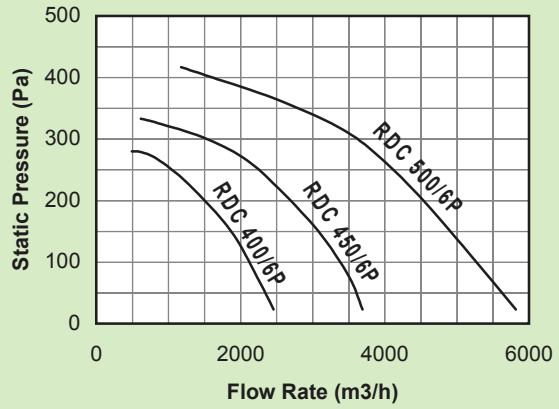



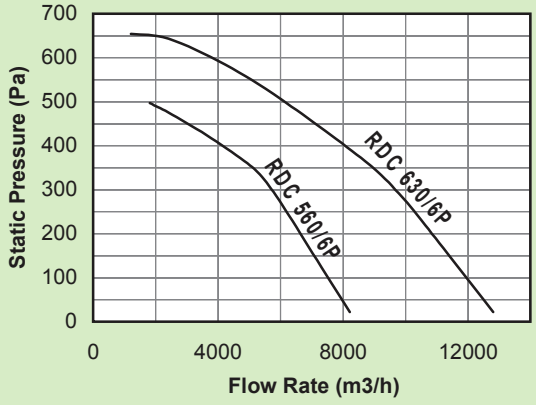



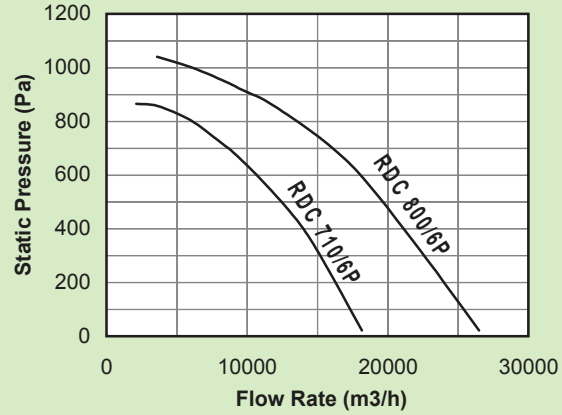



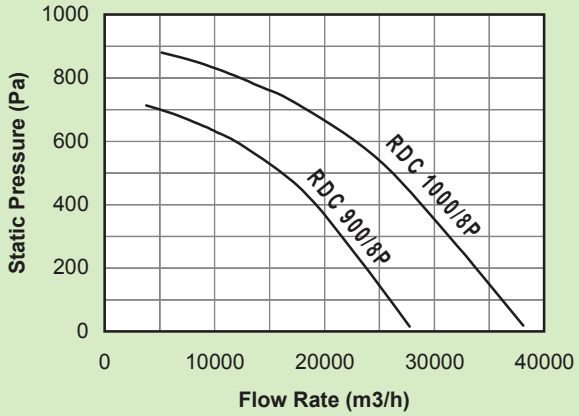



## *Performance Data - 60 Hz*




The company is always improving and developing its products, therefore the company reserves the right of making changes to the illustrated products.
Certified dimension can be provided upon request.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