

KVR 5025 EC 30

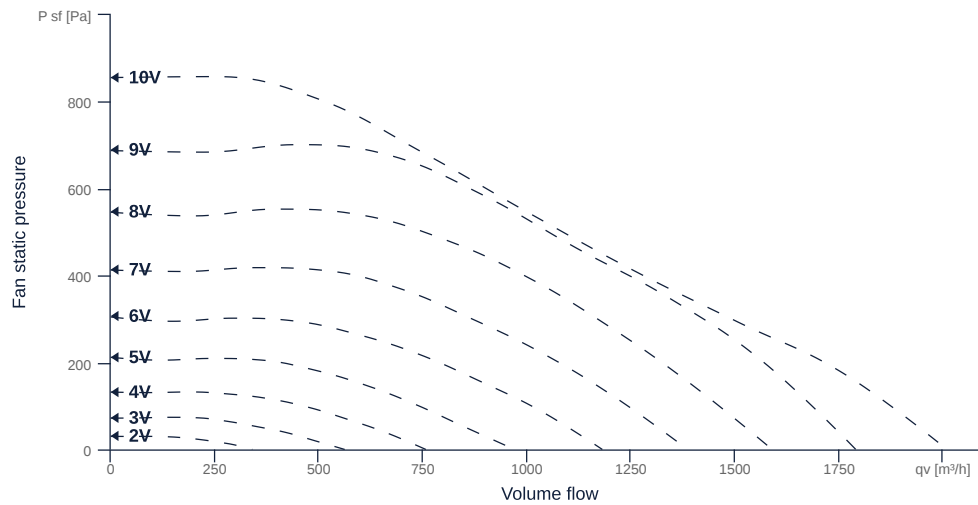
131345

- Backward curved centrifugal impeller
- Removable fan unit
- Housing made of galvanized sheet steel
- High efficiency EC motor, steplessly controllable
- Conveyed medium temperature up to 55 °C in continuous operation



FAN CURVES

| Name | Value | Unit |
|-------------|-------|------|
| Volume flow | 0 | m³/h |
| Pressure | 0 | Pa |



to the product detail page

KVR 5025 EC 30

131345

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GENERAL DATA

| Name | Value | Unit | Formula symbol |
|--|------------------|-------------------|---------------------|
| Labeling | CE, UKCA | | |
| Duct size | 500x250 | | WxHduct |
| Pipe connection size (DN) | - | | DN |
| Rated voltage (entire device) | 230 | V | U _{rated} |
| Phases (entire device) | 1~ | | phase |
| Electrical protection (entire device) | 6 A | | fuse |
| Housing material | Galvanized steel | | matcasing |
| Impeller material | Galvanized steel | | matimpeller |
| IP-protection class (entire device) | IPX4 | | IP _{compl} |
| IP-Protection class (terminal box) | IP44 | | IP _{ebox} |
| Weight | 13.8 | kg | m |
| Nominal air flow rate, nominal point m ³ /h | 824.4 | m ³ /h | q _{v,nom} |
| Nominal external pressure, static | 394.5 | Pa | p _{s,nom} |
| Fan type | Radial | | Fan _{type} |
| Category / Installation situation | A | | cat |

ERP DATA (LOT 6)

| Name | Value | Unit | Formula symbol |
|--|---------------------------|-------------------|---------------------|
| Nominal air flow rate, nominal point m ³ /s | 0.23 | m ³ /s | q _{v,nom} |
| Actual electrical input power, nominal point | 0.16 | kW | P _{e,nom} |
| Face velocity, nominal point | 1.8 | m/s | v _{nom} |
| Nominal external pressure, static | 394.5 | Pa | p _{s,nom} |
| supply air fan static efficiency, nominal point | 58.7 | % | η _{es,SUP} |
| Enclosure sound level, nominal point | 79 | dB(A) | L _{WA2} |
| Rating | Product is compliant 2018 | | |



to the product detail page

KVR 5025 EC 30

131345

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MAXIMAL DATA

| Name | Value | | Unit | Formula symbol |
|---------------------------------|-------|-------|-------------------|----------------|
| | 50 Hz | 60 Hz | | |
| Max. power consumption (device) | 268 | 268 | W | $P_{ed, max}$ |
| Max. operating current (device) | 1.9 | 1.9 | A | $I_{ed, max}$ |
| Max. speed | 2930 | 2930 | 1/min | n_{max} |
| Max. stat. efficiency | 54.2 | 54.2 | % | η_{es} |
| Max. fan efficiency | 54.6 | 54.6 | % | η_e |
| Max. flowrate | 2010 | 2010 | m ³ /h | q_v, max |
| Max. stat pressure | 860 | 860 | Pa | $p_{sf, max}$ |
| Max. medium temperature | 55 | 55 | °C | T_m, max |
| Max. environment temperature | 55 | 55 | °C | $T_{amb, max}$ |
| Min. environment temperature | -30 | -30 | °C | $T_{amb, min}$ |

MOTOR DATA

| Name | Value | | Unit | Formula symbol |
|--------------------------|----------|---------------------|-------|------------------|
| | 50 Hz | 60 Hz | | |
| Rated frequency (device) | | 50 | | f |
| Motor type | | EC | | phase |
| Control type | | stepless-controlled | | ctrltype |
| Installation type | | ORM (Out) | | install |
| Rotation direction | | right | | rotation |
| Isolation class | | ISO F | | ISOclass |
| Motor-protection | | TEC | | protectmotor |
| Protection class | | IP30 | | IPmotor |
| Is pole-changeable | | No | | polexch |
| Type of power supply | | AC 1~ | | pwrsupmotor |
| Rated voltage | 230 | 230 | V | $U_{rated, f1}$ |
| Rated current | 1.74 | 1.74 | A | $I_{rated, f1}$ |
| Shaft power | 272 | 272 | W | $P_{out, f1}$ |
| Speed | 2547 | 2547 | 1/min | n_{f1} |
| Efficiency | 52 | | % | $\eta_m, f1$ |
| Min. temperature | | -30 | °C | $T_{motor, min}$ |
| Cos Phi | 0.000000 | 0.680000 | | $\cos \varphi$ |
| UL-Certification motor | | None | | ULcert |



to the product detail page