

MPC 400 EC 40

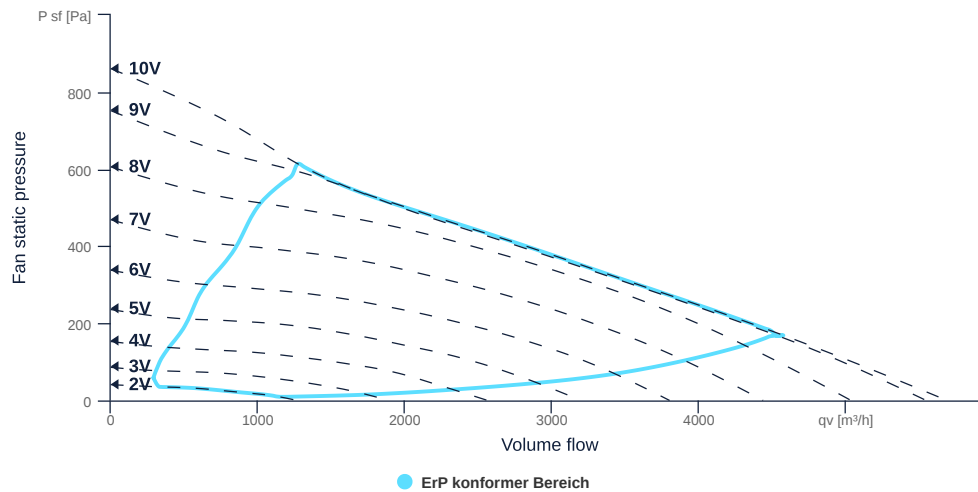
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- Centrifugal fan with backward curved impeller
- Variable discharge direction right / left / linear
- Double wall housing made of galvanized steel sheet, insulated
- Highly efficient EC motor, steplessly controllable
- Internal electronic temperature monitoring
- With bottom tray



FAN CURVES

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



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GENERAL DATA

| Name | Value | Unit | Formula symbol |
|--|------------------|-------------------|---------------------|
| Labeling | CE, UKCA | | |
| Duct size | - | | WxHduct |
| Pipe connection size (DN) | DN500 | | 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 | Plastic | | matimpeller |
| IP-protection class (entire device) | IPX4 | | IP _{compl} |
| IP-Protection class (terminal box) | IP44 | | IP _{ebox} |
| Weight | 62 | kg | m |
| Nominal air flow rate, nominal point m ³ /h | 2937.6 | m ³ /h | q _{Vnom} |
| Nominal external pressure, static | 385.7 | 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 | 0.82 | m ³ /s | q _{V,nom} |
| Actual electrical input power, nominal point | 0.52 | kW | P _{e,nom} |
| Face velocity, nominal point | 2.5 | m/s | V _{nom} |
| Nominal external pressure, static | 385.7 | Pa | p _{s,nom} |
| supply air fan static efficiency, nominal point | 65.2 | % | η _{es,SUP} |
| Highest external air leakage rate | 0.18 | % | |
| Enclosure sound level, nominal point | 64 | dB(A) | L _{WA2} |
| Rating | Product is compliant 2018 | | |



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MAXIMAL DATA

| Name | Value | | Unit | Formula symbol |
|---------------------------------|-------|-------|-------------------|-----------------------|
| | 50 Hz | 60 Hz | | |
| Max. power consumption (device) | 529 | 529 | W | P _{ed, max} |
| Max. operating current (device) | 2.44 | 2.44 | A | I _{ed, max} |
| Max. speed | 1935 | 1935 | 1/min | n _{max} |
| Max. stat. efficiency | 56.2 | 56.2 | % | η _{es} |
| Max. fan efficiency | 56.9 | 56.9 | % | η _e |
| Max. flowrate | 5680 | 5680 | m ³ /h | q _{v, max} |
| Max. stat pressure | 860 | 860 | Pa | p _{sf, max} |
| Max. medium temperature | 50 | 50 | °C | T _{m, max} |
| Max. environment temperature | 50 | 50 | °C | T _{amb, max} |
| Min. environment temperature | -25 | -25 | °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 | | IP55 | | IP _{motor} |
| Is pole-changeable | | No | | polexch |
| Type of power supply | | AC 1~ | | pwsup _{motor} |
| Rated voltage | 230 | | V | U _{rated, f1} |
| Rated current | 2.2 | | A | I _{rated, f1} |
| Shaft power | 500 | | W | P _{out, f1} |
| Speed | 1500 | | 1/min | n _{f1} |
| Min. temperature | -25 | | °C | T _{motor, min} |
| UL-Certification motor | | UL recognized | | ULcert |



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