

MPS 225 EC 30

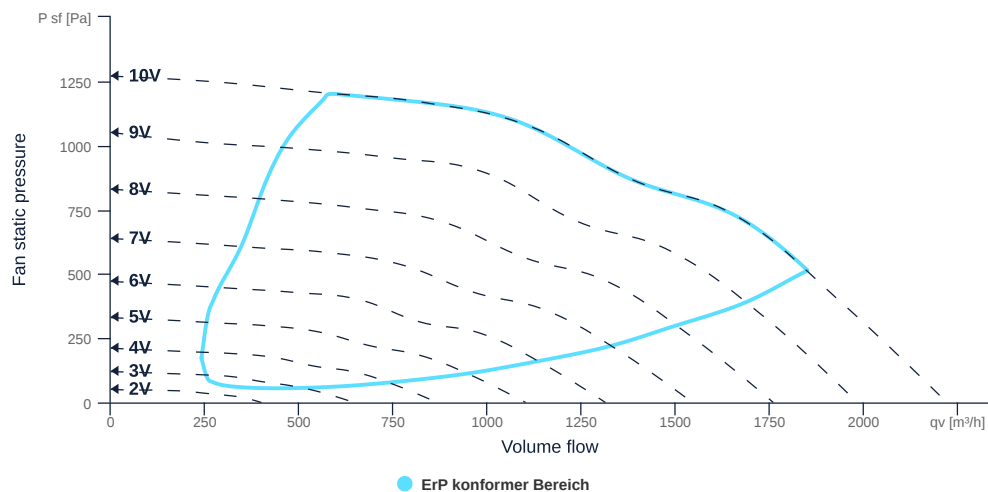
143071

- Backward curved centrifugal impeller
- Swing out fan unit
- Sheet steel housing double-walled, 40 mm mineral wool
- High efficiency EC motor outside the air flow
- Conveyed medium temperature up to 120 °C in continuous operation
- With condensate and grease drain



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 | - | | WxH _{duct} |
| Pipe connection size (DN) | DN200 | | 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 | | mat _{casing} |
| Impeller material | Coated steel | | mat _{impeller} |
| Weight | 33 | kg | m |
| Nominal air flow rate, nominal point m ³ /h | 1108.8 | m ³ /h | q _{v,nom} |
| Nominal external pressure, static | 858.1 | 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 | 0.31 | m ³ /s | q _{v,nom} |
| Actual electrical input power, nominal point | 0.5 | kW | P _{e,nom} |
| Face velocity, nominal point | 9.8 | m/s | v _{nom} |
| Nominal external pressure, static | 858.1 | Pa | p _{s,nom} |
| supply air fan static efficiency, nominal point | 63.2 | % | η _{es,SUP} |
| Highest external air leakage rate | 0.45 | % | |
| Enclosure sound level, nominal point | 80 | 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) | 693 | 693 | W | $P_{ed, max}$ |
| Max. operating current (device) | 3.23 | 3.23 | A | $I_{ed, max}$ |
| Max. speed | 4000 | 4000 | 1/min | n_{max} |
| Max. stat. efficiency | 50.7 | 50.7 | % | η_{es} |
| Max. fan efficiency | 55.4 | 55.4 | % | η_e |
| Max. flowrate | 2220 | 2220 | m ³ /h | q_v, max |
| Max. stat pressure | 1270 | 1270 | Pa | $p_{sf, max}$ |
| Max. medium temperature | 120 | 120 | °C | T_m, max |
| Max. environment temperature | 50 | 50 | °C | $T_{amb, max}$ |
| Min. environment temperature | -20 | -20 | °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 | | IRM (In) | | install |
| Rotation direction | | right | | rotation |
| Isolation class | | ISO F | | ISOclass |
| Protection class | | IP54 | | IP _{motor} |
| Is pole-changeable | | No | | polexch |
| Type of power supply | | AC 1~ | | pwr _{sup} motor |
| Rated voltage | 230 | | V | $U_{rated, f1}$ |
| Rated current | 4.4 | | A | $I_{rated, f1}$ |
| Shaft power | 750 | | W | $P_{out, f1}$ |
| Speed | 3000 | | 1/min | n_{f1} |
| UL-Certification motor | | UL recognized | | ULcert |



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