

MPS 315 EC 30

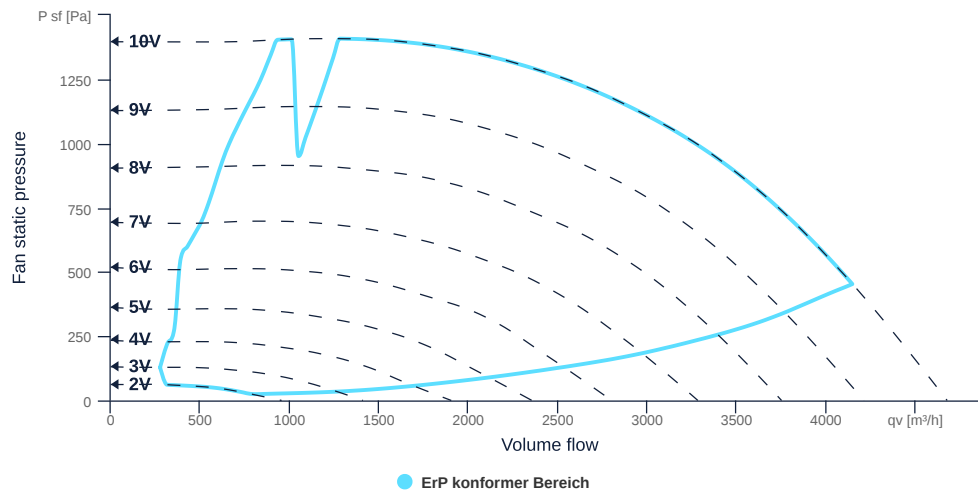
149313

- 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 |



to the product detail page

MPS 315 EC 30

149313

ruck

GENERAL DATA

| Name | Value | Unit | Formula symbol |
|--|------------------|-------------------|-------------------------|
| Labeling | CE, UKCA | | |
| Duct size | - | | WxHduct |
| Pipe connection size (DN) | DN355 | | DN |
| Rated voltage (entire device) | 230 | V | U _{rated} |
| Phases (entire device) | 1~ | | phase |
| Electrical protection (entire device) | 16 A | | fuse |
| Housing material | Galvanized steel | | mat _{casing} |
| Impeller material | Coated steel | | mat _{impeller} |
| Weight | 36 | kg | m |
| Nominal air flow rate, nominal point m ³ /h | 2595.6 | m ³ /h | q _{Vnom} |
| Nominal external pressure, static | 1034 | 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 | 0.72 | m ³ /s | q _{V,nom} |
| Actual electrical input power, nominal point | 1.16 | kW | P _{e,nom} |
| Face velocity, nominal point | 7.3 | m/s | v _{nom} |
| Nominal external pressure, static | 1034 | Pa | p _{s,nom} |
| supply air fan static efficiency, nominal point | 66.73 | % | η _{es,SUP} |
| Highest external air leakage rate | 0.31 | % | |
| Enclosure sound level, nominal point | 77 | dB(A) | L _{WA2} |
| Rating | Product is compliant 2018 | | |



to the product detail page

MPS 315 EC 30

149313

ruck

MAXIMAL DATA

| Name | Value | | Unit | Formula symbol |
|---------------------------------|-------|-------|-------------------|-----------------------|
| | 50 Hz | 60 Hz | | |
| Max. power consumption (device) | 1470 | 1470 | W | P _{ed, max} |
| Max. operating current (device) | 10.7 | 10.7 | A | I _{ed, max} |
| Max. speed | 3100 | 3100 | 1/min | n _{max} |
| Max. stat. efficiency | 60.4 | 60.4 | % | η _{es} |
| Max. fan efficiency | 62.3 | 62.3 | % | η _e |
| Max. flowrate | 4675 | 4675 | m ³ /h | q _{v, max} |
| Max. stat pressure | 1395 | 1395 | 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 |
| Motor-protection | | TEC | | protectmotor |
| 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 | 9.5 | | A | I _{rated, f1} |
| Shaft power | 1200 | | W | P _{out, f1} |
| Speed | 3100 | | 1/min | n _{f1} |
| UL-Certification motor | | None | | ULcert |



to the product detail page