

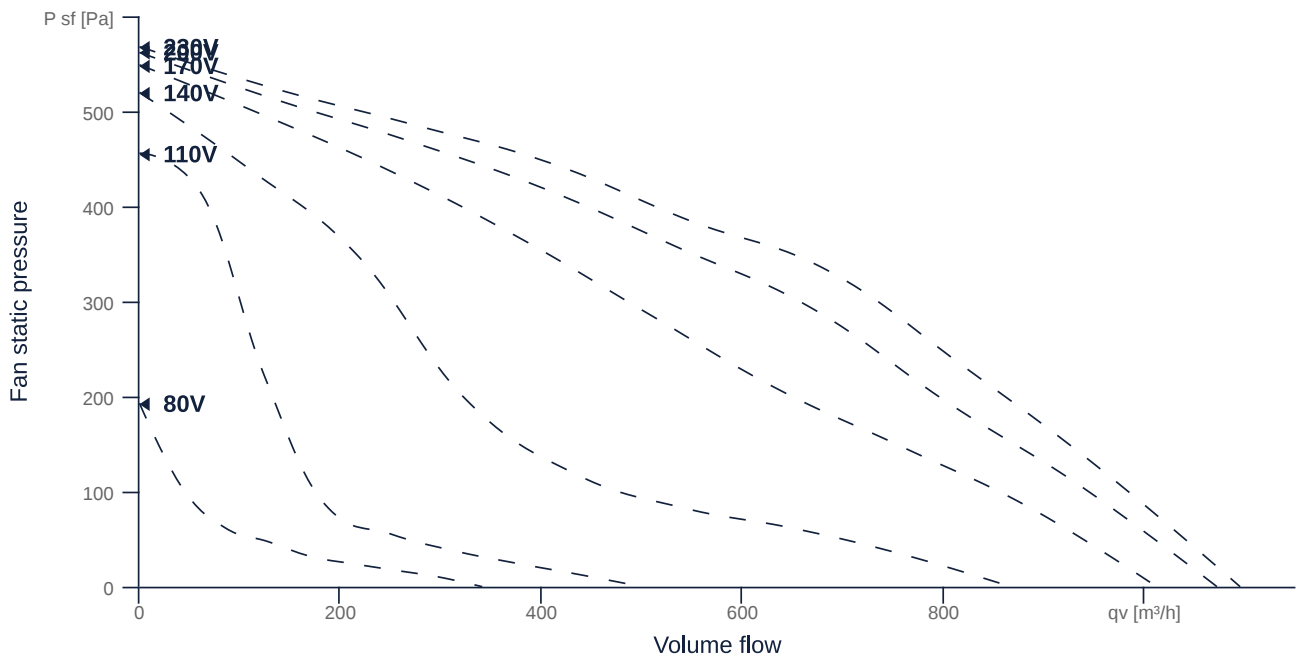
RS 250L 10

136398

- Compact radial fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 70 °C in continuous operation
- Integrated thermal switch



MAP



RS 250L 10

136398

ruck

GENERAL DATA

| Name | Value | Unit | Formula symbol |
|---|------------|------|-------------------------|
| Duct size | - | | WxH _{duct} |
| Pipe connection size (DN) | DN250 | | DN |
| Electrical protection (entire device) | 20 A | | fuse |
| Housing material | Steel | | mat _{casing} |
| Impeller material | Plastic | | mat _{impeller} |
| IP-protection class (entire device) | IPX4 | | IP _{compl} |
| IP-Protection class terminal box | IP44 | | IP _{ebox} |
| Weight | 5.1 | kg | m |
| Nominal air flow rate, nominal point m³/h | 831.6 | m³/s | q _{Vnom} |
| Nominal external pressure, static | 221 | Pa | p _{ext} |
| Fan type | Radial | | Fan _{type} |
| Category / Installation situation | A | | cat |
| Sound insulation | No | | snd _{ins} |
| Rated voltage (entire device) | 230.000000 | | U _{rated} |
| Phases (entire device) | 1~ | | phase |

MAXIMAL DATA

| Name | Value | | Unit | Formula symbol |
|---------------------------------|-------|-------|-------|-----------------------|
| | 50 Hz | 60 Hz | | |
| Max. power consumption (device) | 161 | 239 | W | P _{ed, max} |
| Max. operating current (device) | 0.88 | 1.11 | A | I _{ed, max} |
| Max. speed | 2910 | 3440 | 1/min | n _{max} |
| Max. stat. efficiency | 37.5 | 34.2 | % | η _{es} |
| Max. fan efficiency | 38.3 | 34.7 | % | η _e |
| Max. flowrate | 1090 | 1260 | m³/h | q _{v, max} |
| Max. stat pressure | 570 | 790 | Pa | p _{sf, max} |
| Max. medium temperature | 70 | 45 | °C | T _{m, max} |
| Max. environment temperature | 70 | 45 | °C | T _{amb, max} |
| Min. environment temperature | -25 | -25 | °C | T _{amb, min} |
| Min. voltage | 80 | 80 | V | U _{min} |

RS 250L 10

136398

ruck

MOTOR DATA

| Name | Value | | Unit | Formula symbol |
|--------------------------|---------------------|----------|-------|-------------------------|
| | 50 Hz | 60 Hz | | |
| Rated frequency (device) | 50.000000 | | | f |
| Motor type | AC 1~ | | | phase |
| Control type | stepless-controlled | | | ctrltype |
| Installation | ORM (Out) | | | install |
| Rotation direction | right | | | rotation |
| Isolation class | ISO F | | | ISOclass |
| Motor-protection | TMI | | | protectmotor |
| Protection class | IP33 | | | IPmotor |
| Is pole-changeable | No | | | polexch |
| Type of power supply | AC 1~ | | | pwrsupmotor |
| Capacity condenser | 5 | | μF | Ccond |
| Voltage condenser | 400 | | V | VUcond |
| Number of poles (1) | 2.000000 | | | num polesw1 |
| Rated voltage | 230 | | V | U _{rated, f1} |
| Rated current | 0.7 | | A | I _{rated, f1} |
| Speed | 2685 | | 1/min | n _{f1} |
| Min. temperature | -30 | | °C | T _{motor, min} |
| Cos Phi | 0.000000 | 0.000000 | | cos φ |

PRODUCT INFORMATION

| Name | Value | Unit | Formula symbol |
|-----------------------------------|--------|------|---------------------|
| Category / Installation situation | A | | cat |
| Fan type | Radial | | Fan _{type} |

SCHALTPLÄNE / MASSZEICHNUNGEN

