

PRODUCT DATA

| | | |
|-------------------------------|-----|------|
| Min working pressure | bar | 5.0 |
| Ambient temperature - min/max | °C | 1-46 |

| | | | min. speed | speed 1 | speed 2 | speed 3 | speed 4 | max. speed | |
|-----------|--------|---|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| FM15RS-7 | 5 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 1,07 (1575) | 1,61 (2363) | 1,88 (2757) | 2,14 (3150) | 2,41 (3544) | 2,68 (3938) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 7,06 (6,59) | 10,43 (6,49) | 12,08 (6,44) | 13,71 (6,39) | 15,31 (6,35) | 16,87 (6,29) |
| | 6 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 1,07 (1570) | 1,60 (2354) | 1,87 (2747) | 2,14 (3139) | 2,40 (3532) | 2,67 (3924) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 7,75 (7,26) | 11,31 (7,06) | 13,03 (6,97) | 14,73 (6,9) | 16,47 (6,85) | 18,23 (6,83) |
| | 7 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 1,06 (1552) | 1,58 (2329) | 1,85 (2717) | 2,11 (3105) | 2,38 (3493) | 2,64 (3881) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 8,60 (8,14) | 12,14 (7,66) | 13,84 (7,49) | 15,51 (7,34) | 17,37 (7,31) | 19,22 (7,28) |
| FM15RS-8 | 8 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 1,01 (1536) | 1,48 (2194) | 1,72 (2559) | 1,97 (2925) | 2,21 (3290) | 2,46 (3656) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 9,06 (8,97) | 12,38 (8,39) | 13,88 (8,06) | 15,42 (7,83) | 17,07 (7,71) | 19,14 (7,78) |
| FM15RS-10 | 9 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 0,96 (1565) | 1,31 (2041) | 1,56 (2381) | 1,78 (2722) | 2,01 (3062) | 2,23 (3402) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 9,49 (9,86) | 12,42 (9,5) | 14,29 (9,15) | 15,68 (8,79) | 17,13 (8,54) | 18,71 (8,39) |
| | 10 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 0,95 (1544) | 1,29 (2014) | 1,54 (2350) | 1,76 (2686) | 1,98 (3021) | 2,20 (3357) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 10,40 (10,95) | 13,15 (10,19) | 15,06 (9,78) | 16,42 (9,33) | 17,88 (9,03) | 19,69 (8,95) |
| FM15RS-13 | 11 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 0,93 (1612) | 1,01 (1727) | 1,20 (2015) | 1,41 (2303) | 1,63 (2591) | 1,81 (2879) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 10,61 (11,39) | 11,37 (11,2) | 13,02 (10,82) | 14,54 (10,29) | 16,08 (9,87) | 17,37 (9,6) |
| | 12 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 0,91 (1578) | 0,99 (1690) | 1,18 (1972) | 1,38 (2254) | 1,59 (2535) | 1,77 (2817) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 11,14 (12,23) | 11,96 (12,05) | 13,65 (11,6) | 15,46 (11,19) | 17,17 (10,78) | 18,47 (10,44) |
| | 13 bar | FAD* (Male rotor speed -rpm) | m ³ /min | 0,89 (1543) | 0,97 (1653) | 1,15 (1929) | 1,35 (2204) | 1,56 (2480) | 1,73 (2755) |
| | | Total input power (P spec. - kW*min/m ³) | kW | 12,01 (13,49) | 12,79 (13,19) | 14,46 (12,57) | 16,24 (12,03) | 17,83 (11,45) | 19,24 (11,12) |

| | | FM15RS-7 | FM15RS-8 | FM15RS-10 | FM15RS-13 |
|--|-------|--------------------------------|--------------|--------------|--------------|
| Total input power at no load including fan | kW | 2.49 | 2.49 | 2.49 | 2.49 |
| Airend | | EK100NK | | | |
| Male rotor speed | rpm | 1552 to 3881 | 1536 to 3656 | 1544 to 3357 | 1543 to 2755 |
| Approx. discharge temperature of air above ambient(at max power) | °C | 13 | 13 | 13 | 13 |
| Free field noise level ** at 70% load / at 100% load | dB(A) | 70 / 73 (50Hz), 72 / 75 (60Hz) | | | |

| Electrical Data | | |
|---|-----|--|
| Nominal motor rating | kW | 15 |
| Nominal voltage [Tolerance] (Frequency) | | 380V[+10%-5%] , 400V[±10%] , 460V[+5%-10%] (50/60Hz) |
| Full load current max. @ 380V / 400V / 460V | Amp | 44 / 42 / 36 |
| Starting current max. | | 100% full load current |
| Standard drive motor detail (ECA Qualifying) | IP | IP55, IE3 |
| Drive motor speed min./max. | rpm | 1180 to 2950 |
| Suggested cable size @ 380V / 400V / 460V (max.30°C / max.50m / Copper) | | 4G10 / 4G10 / 4G10 |
| Suggested fuse rating @ 380V / 400V / 460V (type gG) | Amp | 50 / 50 / 40 |

| Cooling Data | | |
|--|---------------------|----------------------------|
| Ventilating fan capacity | m ³ /min | 47 |
| Heat rejected by ventilating fan | % | max. 95% of terminal power |
| Size of cooling air inlet aperture | mm | Diameter 360 |
| Size of cooling air outlet aperture | mm | 445 x 714 |
| Cooling air temp above ambient approx. | °C | 20 |
| Max. allowable pressure drop in duct at amb. 35°C/45°C | Pa | 30 / 20 |

| Weights, Dimensions and Capacities | | |
|------------------------------------|--------|----------------------------------|
| Compressor oil capacity | litres | 9.5 |
| Approx. oil carry over | PPM | 3 |
| Compressed air delivery connection | | EN 10226 G1 (DIN 2999-G1) female |
| Weight | kg | 360 |
| Package dimensions L x W x H | mm | 787x698x1202 |

* Data measured and stated in accordance with ISO 1217 4th Edition Annex E and at the following conditions:

Air Intake Pressure: 1 bar a / 14.5 psia
 Air Intake Temperature: 20°C / 68°F
 Humidity: 0%(dry)

** Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB.

Our policy is one of continuous improvement and we therefore reserve the right to alter specifications without prior notice.