



L07° RS - 10 A

Version-3 16/08/2019

Technical Information Sheet

Rockwell / Jiangchao
IE 3

Regulated Speed, Air Cooled

Performance Data L07° RS - 10 A

Maximum working pressure	bar g	10,0						
Minimum working pressure	bar g	5,0						
Ambient temperature - min/max	°C	1 to 45						

			min. speed	speed 1	speed 2	speed 3	speed 4	max. speed
5 bar	FAD* (Male rotor speed - rpm)	m3/min	0,51 (2010)	0,62 (2389)	0,73 (2771)	0,84 (3156)	0,96 (3543)	1,07 (3933)
	Total input power* (P spec. - kW min/m³)	kW	3,78 (7,35)	4,26 (6,83)	4,79 (6,52)	5,37 (6,36)	6,00 (6,28)	6,68 (6,27)
6 bar	FAD*	m3/min	0,50 (2010)	0,61 (2387)	0,72 (2768)	0,83 (3153)	0,94 (3541)	1,06 (3933)
	Total input power*	kW	4,20 (8,44)	4,73 (7,76)	5,29 (7,33)	5,88 (7,06)	6,50 (6,88)	7,15 (6,78)
7 bar	FAD*	m3/min	0,48 (2010)	0,60 (2385)	0,71 (2765)	0,82 (3151)	0,93 (3540)	1,04 (3933)
	Total input power*	kW	4,62 (9,57)	5,19 (8,72)	5,78 (8,16)	6,38 (7,78)	7,01 (7,51)	7,65 (7,32)
7,5 bar	FAD*	m3/min	0,48 (2010)	0,59 (2385)	0,70 (2765)	0,81 (3150)	0,93 (3540)	1,04 (3933)
	Total input power*	kW	4,82 (10,14)	5,41 (9,19)	6,01 (8,57)	6,63 (8,14)	7,26 (7,83)	7,91 (7,61)
8 bar	FAD*	m3/min	0,47 (2010)	0,58 (2385)	0,69 (2765)	0,81 (3151)	0,92 (3540)	1,03 (3933)
	Total input power*	kW	5,02 (10,71)	5,63 (9,67)	6,24 (8,98)	6,88 (8,51)	7,52 (8,17)	8,18 (7,91)
9 bar	FAD*	m3/min	0,46 (2010)	0,57 (2386)	0,68 (2767)	0,80 (3152)	0,91 (3541)	1,02 (3933)
	Total input power*	kW	5,42 (11,87)	6,06 (10,63)	6,71 (9,83)	7,39 (9,28)	8,09 (8,89)	8,80 (8,61)
10 bar	FAD*	m3/min	0,44 (2010)	0,56 (2387)	0,67 (2768)	0,79 (3153)	0,90 (3541)	1,01 (3933)
	Total input power*	kW	5,81 (13,06)	6,47 (11,58)	7,16 (10,65)	7,88 (10,04)	8,64 (9,61)	9,43 (9,31)

Total input power at no load including fan	kW	1,3
Male rotor speed	rpm	2010 to 3933
Approx. discharge temperature of air above ambient (at max. power)	°C	13
Free field noise level ** at 70% load / at 100% load	dB(A)	63 / 69

Electrical Data

Nominal motor rating	kW	7,5
Nominal voltage [tolerance] (Frequency)		380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)
Full load current max. at 380V / 400V / 460V	A	22 / 21 / 18
Starting current (max. % of full load current)	%	100
Standard drive motor detail (ECA Qualifying)		IP55, IE3
Drive motor speed min./max.	rpm	1508 to 2950
Fan motor rating	kW	-
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)	mm²	4G4 / 4G4 / 4G4
Suggested fuse rating at 380V / 400V / 460V (type gG)	A	25 / 25 / 20

Cooling Data

Ventilating fan capacity	m3/min	25
Heat rejected by ventilating fan (max. % of actual input power)	%	95
Size of cooling air inlet aperture	mm	Ø 320
Size of cooling air outlet aperture	mm	355 x 534
Approx. cooling air temperature above ambient (at max. power)	°C	18
Max. allowable pressure drop in duct at ambient 35°C / 45°C	Pa	110 / 90

Weights, Dimensions and Capacities Data

Compressor oil capacity	l	5
Oil carry over	mg/m3	< 3
Compressed air delivery connection (female screwed thread)		EN 10226-1 Rp 3/4 (DIN 2999-Rp 3/4)
Weight	kg	225
Package dimensions L x W x H	mm	667 x 630 x 1050

* Data measured and stated in accordance with ISO1217 4rd Edition Annex C & 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 the ISO 2151, tolerance ± 3dB(A).

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