



L02 - L06

Technical Information Sheet

Ver. 00

Air Cooled 50Hz

2021/02/010

Performance Data		L02	L 02	L 03	L 04	L 05	L06	
Working pressure		bar	10	10	10	10	10	
Minimum working pressure	bar g	5.0						
MAX Working pressure	bar g	10	10	10	10	10	10	
Ambient temperature - min/max	°C	1-40						
Working Pressure	FAD* @ max. working pressure	m ³ /min	0,18	0,21	0,35	0,45	0,66	0,89
	Total input power* @ max.working pressure	kW	2,61	2,74	3,36	4,57	6,1	8,33
5 bar	FAD*	m ³ /min	0,21	0,24	0,38	0,48	0,68	0,95
	Total input power (P spec. - kW*min/m ³)	kW	1,80 (8,78)	1,94 (8,23)	2,43 (6,41)	3,38 (6,98)	4,71 (6,93)	6,76 (7,13)
6 bar	FAD*	m ³ /min	0,21	0,24	0,37	0,47	0,68	0,94
	Total input power (P spec. - kW*min/m ³)	kW	1,92 (9,37)	2,08 (8,82)	2,59 (7,02)	3,53 (7,45)	4,97 (7,31)	7,08 (7,55)
7 bar	FAD*	m ³ /min	0,20	0,23	0,37	0,47	0,67	0,93
	Total input power (P spec. - kW*min/m ³)	kW	2,20 (11,18)	2,25 (9,98)	2,78 (7,53)	3,78 (7,98)	5,25 (7,84)	7,41 (7,99)
8 bar	FAD*	m ³ /min	0,19	0,22	0,36	0,46	0,66	0,92
	Total input power (P spec. - kW*min/m ³)	kW	2,26 (11,60)	2,38 (11,06)	3,02 (8,42)	4,06 (8,76)	5,50 (8,34)	7,78 (8,49)
9 bar	FAD*	m ³ /min	0,19	0,22	0,36	0,45	0,64	0,91
	Total input power (P spec. - kW*min/m ³)	kW	2,49 (13,27)	2,59 (12,03)	3,19 (8,89)	4,25 (9,38)	5,76 (9,02)	8,13 (8,97)
10 bar	FAD*	m ³ /min	0,18	0,21	0,35	0,45	0,66	0,89
	Total input power (P spec. - kW*min/m ³)	kW	2,61 (14,15)	2,74 (13,37)	3,36 (9,64)	4,57 (10,08)	6,10 (9,25)	8,33 (9,40)
Total input power at no load	kW	0,80	0,85	1,05	1,46	1,92	2,56	
Airend		GD1						
Male rotor speed	rpm	2057	2183	2914	3866	5480	7729	
Discharge temperature of air above ambient	°C	45	45	45	38	8	14	
Free field noise level **	dB(A)	63		64	67	68	70	
Electrical Data								
Nominal motor rating	kW	2,2	2,2	3,0	4,0	5,5	7,5	
Nominal voltage [Tolerance] (Frequency)		230V 400V[±10%] (50Hz)						
Full load current max. @ 230V (1 phase)	Amp	12,7	n/a	n/a	n/a	n/a	n/a	
Full load current max. @ 400V (3 phase)	Amp	n/a	4,47	6,04	7,73	10,43	14,62	
Starting current max. 230V (1 phase)	Amp	Approx. 3 times FLA		n/a	n/a	n/a	n/a	
Starting current max. 400V (3 phase) Y/D	Amp	n/a	n/a	n/a	Approx. 3 times full load current			
Starting current max. 400V (3 phase) DOL	Amp	n/a	Approx. 7 times full load current				n/a	
Standard drive motor detail	IP	IP55, IE3						
Drive motor speed	rpm	2914				2935	2930	
Suggested cable size @ 230V (1 phase)	mm ²	3G4	n/a	n/a	n/a	n/a	n/a	
Suggested cable size @ 400V (3 phase)	mm ²	n/a	4G2,5	4G2,5	4G2,5	4G4	4G4	
Suggested fuse rating @ 230V (1 phase)	Amp	16	n/a	n/a	n/a	n/a	n/a	
Suggested fuse rating @ 400V (3 phase)	Amp	n/a	10	10	10	16	20	
Cooling Data								
Ventilating fan capacity	m ³ /min	16				25		
Heat rejected by ventilating fan	%	max. 95% of terminal power						
Size of cooling air inlet aperture	mm	d. 300						
Size of cooling air outlet aperture	mm	260 x 262				255 x 289	255 x 289	
Max. allowable pressure drop in duct at amb. 35°C/45°C	Pa	80/60				110/90		
Weights, Dimensions and Capacities								
Compressor oil capacity	litres	3						
Approx. oil carry over	PPM	≤3						
Compressed air delivery connection	BSP	F 1/2"						
Weight	kg	151			154	173	179	
Package dimensions L x W x H	mm	600 x 650 x 1100						

* 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.