

		L07-11A					QX142008			
		Technical Information Sheet					Region:EMEA			
		Air Cooled 50Hz					ECN:1145000		2022/03/22	
Performance Data		L07					L 11			
Working pressure		bar	7	8	10	13	7	8	10	13
Minimum working pressure		bar g	5.0							
MAX Working pressure		bar g	7	8	10	13	7	8	10	13
Ambient temperature - min/max		°C	1-46							
Working Pressure	FAD*	m³/min	1,14	0,99	0,97	0,80	1,59	1,58	1,39	1,14
	Total input power (P spec. - kW*min/m³)	kW	8,23(7,21)	8,13(8,21)	8,94(9,22)	9,20(11,50)	11,94(7,51)	12,63(7,98)	12,66(9,11)	11,48(10,07)
5 bar	FAD*	m³/min	1,16	1,02	1,02	0,88	1,62	1,61	1,44	1,2
	Total input power (P spec. - kW*min/m³)	kW	7,12(6,14)	6,3(6,18)	6,3(6,18)	5,70(6,48)	10,39(6,41)	10,32(6,41)	9,21(6,40)	7,12(5,93)
6 bar	FAD*	m³/min	1,15	1,01	1,01	0,86	1,61	1,60	1,43	1,19
	Total input power (P spec. - kW*min/m³)	kW	7,66(6,66)	6,84(6,77)	6,84(6,77)	6,17(7,17)	11,12(6,91)	11,06(6,91)	9,86(6,90)	7,66(6,44)
7 bar	FAD*	m³/min	1,14	1	1	0,85	1,59	1,58	1,41	1,18
	Total input power (P spec. - kW*min/m³)	kW	8,23(7,21)	7,37(7,37)	7,37(7,37)	6,76(7,95)	11,94(7,51)	11,87(7,51)	10,57(7,50)	8,23(6,97)
8 bar	FAD*	m³/min		0,99	0,99	0,85		1,58	1,41	1,17
	Total input power (P spec. - kW*min/m³)	kW		8,13(8,21)	8,13(8,21)	7,05(8,30)		12,63(7,98)	11,23(7,96)	8,8(7,52)
9 bar	FAD*	m³/min		0,98	0,85			1,40	1,17	
	Total input power (P spec. - kW*min/m³)	kW		8,42(8,59)	7,66(9,02)			11,93(8,52)	9,27(7,92)	
10 bar	FAD*	m³/min		0,97	0,83			1,39	1,16	
	Total input power (P spec. - kW*min/m³)	kW		8,94(9,22)	8,16(9,83)			12,66(9,11)	9,78(8,43)	
11 bar	FAD*	m³/min			0,82					1,16
	Total input power (P spec. - kW*min/m³)	kW			8,29(10,11)					10,35(8,92)
12 bar	FAD*	m³/min			0,81					1,15
	Total input power (P spec. - kW*min/m³)	kW			8,77(10,82)					10,93(9,50)
13 bar	FAD*	m³/min			0,80					1,14
	Total input power (P spec. - kW*min/m³)	kW			9,20(11,50)					11,48(10,07)
Total input power at no load		kW	3,1	2,7	2,7	2,3	4,3	4,2	3,8	3,1
Airend			EN3							
Male rotor speed		rpm	4950	4450	4450	3540	6950	6920	6250	4950
Discharge temperature of air above ambient		°C	13	13	13	13	14	13	12	14
Free field noise level **		dB(A)	70				70			
Electrical Data										
Nominal motor rating		kW	7.5				11			
Nominal voltage [Tolerance] (Frequency)			400V[±10%] (50Hz) --- 230V[±10%] (50Hz)							
Full load current max. @ 400V		Amp	17				24,2			
Full load current max. @ 230V		Amp	31				44,5			
Starting current max.			Approx. 3 times full load current							
Standard drive motor detail		IP	IP55, IE3							
Drive motor speed		rpm	2950							
Suggested cable size @ 400V (max.30°C / max.50m / Copper)			4G2.5				4G6			
Suggested fuse rating @ 400V		Amp	20				35			
Suggested cable size @ 230V (max.30°C / max.50m / Copper)			4G6				4G10			
Suggested fuse rating @ 230V		Amp	35				50			
Cooling Data										
Ventilating fan capacity		m³/min	25				32			
Heat rejected by ventilating fan		%	max. 95% of terminal power							
Size of cooling air inlet aperture		mm	Diameter 320							
Size of cooling air outlet aperture		mm	218 x 534				355 x 534			
Cooling air temp above ambient approx.		°C	18				20			
Max. allowable pressure drop in duct at amb. 35°C/45°C		Pa	110 / 90				130 / 70			
Weights, Dimensions and Capacities										
Compressor oil capacity		litres	5				5			
Approx. oil carry over		PPM	≤3							
Compressed air delivery connection			EN 10226 G3/4 (DIN 2999-G3/4) female							
Weight		kg	205				219			
Package dimensions L x W x H		mm	667 x 630 x 1050							

* Data measured and stated in accordance with ISO 1217 4th Edition Annex C 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.