

			L11RS				QX142011							
			Technical Information Sheet											
			Regulated Speed, Air Cooled				ECN:11450002022/03/22							
PRODUCT DATA			L11RS											
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	
L11RS-7	5 bar	FAD* (Male rotor speed -rpm)	m³/min	0,55 (2578)	0,92 (4073)		1,10 (4816)		1,26 (5528)		1,42 (6235)		1,59 (6907)	
		Total input power (P spec. - kW*min/m³)	kW	3,94 (7,12)	6,31 (6,84)		7,47 (6,81)		8,61 (6,83)		9,85 (6,91)		11,22 (7,06)	
	6 bar	FAD* (Male rotor speed -rpm)	m³/min	0,54 (2567)	0,92 (4103)		1,10 (4807)		1,26 (5515)		1,42 (6223)		1,59 (6894)	
		Total input power (P spec. - kW*min/m³)	kW	4,34 (7,99)	6,83 (7,4)		8,05 (7,34)		9,39 (7,45)		10,76 (7,55)		12,05 (7,58)	
	7 bar	FAD* (Male rotor speed -rpm)	m³/min	0,53 (2555)	0,91 (4093)		1,09 (4797)		1,25 (5505)		1,41 (6209)		1,58 (6877)	
		Total input power (P spec. - kW*min/m³)	kW	4,74 (8,89)	7,39 (8,1)		8,67 (7,98)		10,01 (8,)		11,30 (7,99)		12,88 (8,16)	
L11RS-8	8 bar	FAD* (Male rotor speed -rpm)	m³/min	0,52 (2541)	0,81 (3665)		0,96 (4303)		1,13 (4927)		1,27 (5552)		1,56 (6830)	
		Total input power (P spec. - kW*min/m³)	kW	5,01 (9,63)	7,08 (8,74)		8,23 (8,54)		9,43 (8,36)		10,69 (8,41)		13,52 (8,67)	
L11RS-10	9 bar	FAD* (Male rotor speed -rpm)	m³/min	0,51 (2530)	0,81 (3659)		0,96 (4292)		1,12 (4916)		1,28 (5545)		1,40 (6162)	
		Total input power (P spec. - kW*min/m³)	kW	5,46 (10,71)	7,61 (9,4)		8,82 (9,15)		10,07 (9,01)		11,52 (8,99)		12,94 (9,21)	
	10 bar	FAD* (Male rotor speed -rpm)	m³/min	0,51 (2521)	0,80 (3655)		0,95 (4280)		1,11 (4908)		1,27 (5536)		1,39 (6156)	
		Total input power (P spec. - kW*min/m³)	kW	5,88 (11,53)	8,04 (10,06)		9,43 (9,89)		10,74 (9,7)		12,23 (9,62)		13,70 (9,83)	
L11RS-13	11 bar	FAD* (Male rotor speed -rpm)	m³/min	0,50 (2520)	0,62 (2933)		0,74 (3438)		0,86 (3943)		0,97 (4442)		1,10 (4930)	
		Total input power (P spec. - kW*min/m³)	kW	6,11 (12,22)	7,00 (11,38)		7,96 (10,79)		9,20 (10,69)		10,26 (10,54)		11,50 (10,49)	
	12 bar	FAD* (Male rotor speed -rpm)	m³/min	0,49 (2520)	0,60 (2925)		0,73 (3430)		0,85 (3935)		0,96 (4436)		1,09 (4921)	
		Total input power (P spec. - kW*min/m³)	kW	6,55 (13,31)	7,50 (12,4)		8,45 (11,61)		9,59 (11,27)		10,76 (11,17)		12,09 (11,13)	
	13 bar	FAD* (Male rotor speed -rpm)	m³/min	0,49 (2520)	0,59 (2921)		0,72 (3426)		0,84 (3931)		0,95 (4428)		1,07 (4916)	
		Total input power (P spec. - kW*min/m³)	kW	6,82 (13,86)	7,78 (13,09)		8,89 (12,39)		10,07 (11,98)		11,38 (11,94)		12,66 (11,88)	
				L11RS-7			L11RS-8		L11RS-10		L11RS-13			
Total input power at no load including fan			kW	2.3			2.3		2.3		2.3			
Airend				EN3										
Male rotor speed			rpm	2555 to 6877			2541 to 6830		2521 to 6156		2520 to 4916			
Approx. discharge temperature of air above ambient(at max power)			°C	14			13		12		14			
Free field noise level ** at 70% load / at 100% load			dB(A)	67 / 70 (50Hz), 69 / 72 (60Hz)										
Electrical Data														
Nominal motor rating			kW	11										
Nominal voltage [Tolerance] (Frequency)				380V[+10%-5%] , 400V[±10%] , 460V[+5%-10%] (50/60Hz)										
Full load current max. @ 380V / 400V / 460V			Amp	34 / 32 / 27										
Starting current max.				100% full load current										
Standard drive motor detail (ECA Qualifiying)			IP	IP55, IE3										
Drive motor speed min./max.			rpm	1121 to 2950										
Suggested cable size @ 380V / 400V / 460V (max.30°C / max.50m / Copper)				4G6 / 4G6 / 4G6										
Suggested fuse rating @ 380V / 400V / 460V (type gG)			Amp	35 / 35 / 35										
Cooling Data														
Ventilating fan capacity			m³/min	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	355 x 534										
Cooling air temp above ambient approx.			°C	20										
Max. allowable pressure drop in duct at amb. 35°C/45°C			Pa	130 / 70										
Weights, Dimensions and Capacities														
Compressor oil capacity			litres	5										
Approx. oil carry over			PPM	3										
Compressed air delivery connection				EN 10226 G3/4 (DIN 2999-G3/4) female										
Weight			kg	234										
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 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.