

Gardner Denver			L15RS							TIS L15RS/CE	
			Technical Information Sheet								
			Regulated Speed, Air Cooled, 50Hz							[Eng.Vers.1] 1/6/2011	
Performance Data			L15 RS - 13 A								
Maximum working pressure			bar g	13.0							
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	0.96 (1528)	1.14 (1773)	1.31 (2019)	1.49 (2266)	1.66 (2515)	1.83 (2766)			
	Total input power* (P spec. - kW min/m³)	kW	6.28 (6.52)	7.19 (6.32)	8.12 (6.19)	9.08 (6.11)	10.07 (6.07)	11.09 (6.05)			
6 bar	FAD*	m³/min	0.95 (1528)	1.12 (1774)	1.30 (2020)	1.47 (2268)	1.64 (2516)	1.82 (2766)			
	Total input power*	kW	7.01 (7.38)	7.96 (7.08)	8.93 (6.88)	9.93 (6.75)	10.96 (6.66)	12.02 (6.61)			
7 bar	FAD*	m³/min	0.93 (1528)	1.11 (1774)	1.28 (2021)	1.46 (2269)	1.63 (2517)	1.80 (2766)			
	Total input power*	kW	7.74 (8.28)	8.73 (7.87)	9.73 (7.59)	10.77 (7.40)	11.85 (7.27)	12.96 (7.19)			
7.5 bar	FAD*	m³/min	0.92 (1528)	1.10 (1774)	1.27 (2021)	1.45 (2269)	1.62 (2517)	1.79 (2766)			
	Total input power*	kW	8.10 (8.76)	9.10 (8.29)	10.13 (7.96)	11.19 (7.74)	12.29 (7.59)	13.42 (7.48)			
8 bar	FAD*	m³/min	0.91 (1528)	1.09 (1774)	1.26 (2021)	1.44 (2269)	1.61 (2517)	1.78 (2766)			
	Total input power*	kW	8.46 (9.26)	9.48 (8.72)	10.53 (8.34)	11.61 (8.08)	12.73 (7.91)	13.89 (7.78)			
9 bar	FAD*	m³/min	0.89 (1528)	1.06 (1774)	1.24 (2021)	1.41 (2269)	1.59 (2517)	1.77 (2766)			
	Total input power*	kW	9.15 (10.32)	10.22 (9.61)	11.31 (9.13)	12.44 (8.79)	13.62 (8.56)	14.84 (8.40)			
10 bar	FAD*	m³/min	0.86 (1528)	1.04 (1775)	1.22 (2022)	1.39 (2270)	1.57 (2518)	1.75 (2766)			
	Total input power*	kW	9.81 (11.36)	10.93 (10.51)	12.08 (9.93)	13.27 (9.53)	14.51 (9.24)	15.78 (9.04)			
11 bar	FAD*	m³/min	0.85 (1528)	1.02 (1777)	1.20 (2025)	1.37 (2272)	1.55 (2519)	1.72 (2766)			
	Total input power*	kW	10.41 (12.28)	11.62 (11.36)	12.84 (10.72)	14.10 (10.27)	15.40 (9.95)	16.74 (9.71)			
12 bar	FAD*	m³/min	0.84 (1528)	1.01 (1779)	1.18 (2029)	1.35 (2276)	1.53 (2522)	1.70 (2766)			
	Total input power*	kW	10.98 (13.10)	12.28 (12.16)	13.60 (11.50)	14.94 (11.03)	16.30 (10.68)	17.69 (10.42)			
13 bar	FAD*	m³/min	0.83 (1528)	1.00 (1782)	1.17 (2033)	1.34 (2281)	1.50 (2525)	1.67 (2766)			
	Total input power*	kW	11.52 (13.87)	12.93 (12.95)	14.35 (12.29)	15.77 (11.81)	17.21 (11.44)	18.65 (11.15)			
Total input power at no load including fan				kW	2.1						
Male rotor speed				rpm	1528 to 2766						
Approx. discharge temperature of air above ambient (at max. power)				°C	11						
Free field noise level ** at 70% load / at 100% load				dB(A)	67 / 72						
Electrical Data											
Nominal motor rating				kW	15						
Nominal voltage [tolerance] (Frequency)					380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)						
Full load current max. at 380V / 400V / 460V				A	45 / 42 / 37						
Starting current (max. % of full load current)				%	100						
Standard drive motor detail (ECA Qualifying)					IP55, IE2						
Drive motor speed min./max.				rpm	1630 to 2950						
Fan motor rating				kW	-						
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)				mm²	4G10 / 4G10 / 4G6						
Suggested fuse rating at 380V / 400V / 460V (type gG)				A	50 / 50 / 40						
Cooling Data											
Ventilating fan capacity				m³/min	47						
Heat rejected by ventilating fan (max. % of actual input power)				%	95						
Size of cooling air inlet aperture				mm	Ø 360						
Size of cooling air outlet aperture				mm	445 x 714						
Approx. cooling air temperature above ambient (at max. power)				°C	20						
Max. allowable pressure drop in duct at ambient 35°C / 45°C				Pa	30 / 20						
Weights, Dimensions and Capacities Data											
Compressor oil capacity				l	9.5						
Oil carry over				mg/m³	< 3						
Compressed air delivery connection (female screwed thread)					EN 10226-1 Rp 1 (DIN 2999-Rp 1)						
Weight				kg	365						
Package dimensions L x W x H				mm	787 x 698 x 1202						

* 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).

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