

Gardner Denver			L22RS							TIS L22RS/CE	
			Technical Information Sheet							[Eng.Vers.1] 7/23//2010	
			Regulated Speed, Air Cooled, 50Hz								
Performance Data			L22-13 RS								
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	1.04 (1640)	1.39 (2136)	1.75 (2640)	2.10 (3152)	2.46 (3672)	2.81 (4200)			
	Total input power* (P spec. - kW min/m³)	kW	6.76 (6.51)	8.63 (6.19)	10.57 (6.05)	12.68 (6.03)	14.87 (6.05)	17.17 (6.11)			
6 bar	FAD*	m³/min	1.02 (1640)	1.38 (2136)	1.73 (2640)	2.09 (3152)	2.44 (3672)	2.80 (4200)			
	Total input power*	kW	7.51 (7.37)	9.46 (6.88)	11.50 (6.64)	13.72 (6.57)	16.03 (6.56)	18.48 (6.60)			
7 bar	FAD*	m³/min	1.00 (1640)	1.36 (2136)	1.72 (2640)	2.07 (3151)	2.43 (3671)	2.79 (4200)			
	Total input power*	kW	8.26 (8.26)	10.29 (7.58)	12.42 (7.24)	14.76 (7.12)	17.19 (7.07)	19.78 (7.09)			
7.5 bar	FAD*	m³/min	0.99 (1640)	1.35 (2136)	1.71 (2639)	2.06 (3151)	2.42 (3671)	2.78 (4200)			
	Total input power*	kW	8.63 (8.73)	10.71 (7.95)	12.89 (7.55)	15.28 (7.40)	17.77 (7.33)	20.42 (7.34)			
8 bar	FAD*	m³/min	0.98 (1640)	1.34 (2135)	1.70 (2638)	2.06 (3150)	2.42 (3670)	2.78 (4200)			
	Total input power*	kW	9.01 (9.22)	11.13 (8.32)	13.35 (7.87)	15.79 (7.68)	18.34 (7.59)	21.05 (7.58)			
9 bar	FAD*	m³/min	0.95 (1640)	1.32 (2134)	1.68 (2636)	2.04 (3148)	2.40 (3669)	2.76 (4200)			
	Total input power*	kW	9.76 (10.24)	11.97 (9.10)	14.29 (8.52)	16.83 (8.26)	19.49 (8.12)	22.32 (8.08)			
10 bar	FAD*	m³/min	0.93 (1640)	1.29 (2134)	1.66 (2637)	2.02 (3149)	2.38 (3669)	2.74 (4200)			
	Total input power*	kW	10.50 (11.26)	12.81 (9.90)	15.24 (9.19)	17.89 (8.86)	20.66 (8.67)	23.59 (8.60)			
11 bar	FAD*	m³/min	0.92 (1640)	1.28 (2138)	1.64 (2643)	2.00 (3155)	2.36 (3674)	2.72 (4200)			
	Total input power*	kW	11.21 (12.23)	13.66 (10.69)	16.21 (9.89)	18.99 (9.50)	21.86 (9.26)	24.89 (9.15)			
12 bar	FAD*	m³/min	0.91 (1640)	1.26 (2145)	1.62 (2653)	1.98 (3165)	2.34 (3681)	2.69 (4200)			
	Total input power*	kW	11.90 (13.15)	14.51 (11.49)	17.21 (10.62)	20.11 (10.17)	23.10 (9.89)	26.22 (9.74)			
13 bar	FAD*	m³/min	0.90 (1640)	1.25 (2153)	1.60 (2665)	1.96 (3177)	2.31 (3689)	2.66 (4200)			
	Total input power*	kW	12.59 (14.05)	15.37 (12.30)	18.22 (11.37)	21.26 (10.87)	24.35 (10.54)	27.56 (10.35)			
Total input power at no load including fan					kW	2.3					
Male rotor speed					rpm	1640 to 4200					
Approx. discharge temperature of air above ambient (at max. power)					°C	14					
Free field noise level ** at 70% load / at 100% load					dB(A)	69 / 73					
Electrical Data											
Nominal motor rating					kW	22					
Nominal voltage [tolerance] (Frequency)						380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)					
Full load current max. at 380V / 400V / 460V					A	55 / 52 / 45					
Starting current (max. % of full load current)					%	100					
Standard drive motor detail (ECA Qualifying)						IP55, IE2					
Drive motor speed min./max.					rpm	1171 to 3000					
Fan motor rating					kW	-					
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)					mm²	4G16 / 4G16 / 4G10					
Suggested fuse rating at 380V / 400V / 460V (type gG)					A	63 / 63 / 50					
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	29					
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	386					
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.