

Gardner Denver			L37 RS						TIS L37RS/CE		
			Technical Information Sheet						[Eng.Vers.2] 05/12/11		
			Regulated Speed, Air Cooled, 50Hz								
Performance Data			L37 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	1.51 (800)	2.67 (1360)	3.80 (1920)	4.89 (2480)	5.92 (3040)	6.90 (3600)			
	Total input power* (P spec. - kW min/m³)	kW	10.02 (6.63)	15.34 (5.75)	20.85 (5.49)	27.02 (5.53)	33.96 (5.74)	41.50 (6.02)			
6 bar	FAD*	m³/min	1.50 (800)	2.65 (1360)	3.79 (1920)	4.87 (2480)	5.90 (3040)	6.88 (3600)			
	Total input power*	kW	10.96 (7.33)	16.65 (6.28)	22.51 (5.95)	29.03 (5.96)	36.31 (6.15)	44.18 (6.42)			
7 bar	FAD*	m³/min	1.48 (800)	2.64 (1360)	3.77 (1920)	4.86 (2480)	5.88 (3040)	6.86 (3600)			
	Total input power*	kW	11.90 (8.05)	17.95 (6.81)	24.17 (6.41)	31.04 (6.39)	38.65 (6.57)	46.84 (6.83)			
7.5 bar	FAD*	m³/min	1.47 (800)	2.63 (1360)	3.76 (1920)	4.85 (2480)	5.87 (3040)	6.84 (3600)			
	Total input power*	kW	12.07 (8.21)	18.39 (7.00)	24.96 (6.64)	32.04 (6.61)	39.82 (6.78)	48.15 (7.04)			
8 bar	FAD*	m³/min	1.46 (800)	2.58 (1340)	3.67 (1880)	4.72 (2420)	5.72 (2960)	6.66 (3500)			
	Total input power*	kW	12.53 (8.58)	18.80 (7.30)	25.29 (6.89)	32.23 (6.82)	39.80 (6.96)	47.91 (7.20)			
9 bar	FAD*	m³/min	1.44 (800)	2.49 (1310)	3.53 (1820)	4.53 (2330)	5.47 (2840)	6.36 (3350)			
	Total input power*	kW	13.44 (9.34)	19.70 (7.90)	26.14 (7.41)	32.94 (7.27)	40.25 (7.36)	48.05 (7.55)			
10 bar	FAD*	m³/min	1.41 (800)	2.41 (1280)	3.39 (1760)	4.33 (2240)	5.22 (2720)	6.06 (3200)			
	Total input power*	kW	14.35 (10.14)	20.56 (8.54)	26.92 (7.95)	33.55 (7.75)	40.59 (7.77)	48.06 (7.93)			
11 bar	FAD*	m³/min	1.80 (1000)	2.65 (1410)	3.48 (1820)	4.28 (2230)	5.05 (2640)	5.78 (3060)			
	Total input power*	kW	17.97 (9.96)	23.59 (8.89)	29.32 (8.42)	35.24 (8.23)	41.44 (8.21)	48.10 (8.32)			
12 bar	FAD*	m³/min	2.19 (1200)	2.91 (1550)	3.62 (1900)	4.29 (2250)	4.94 (2600)	5.52 (2930)			
	Total input power*	kW	21.88 (9.97)	26.94 (9.25)	32.10 (8.88)	37.39 (8.71)	42.86 (8.68)	48.20 (8.74)			
13 bar	FAD*	m³/min	2.58 (1400)	3.15 (1680)	3.71 (1960)	4.24 (2240)	4.76 (2520)	5.27 (2810)			
	Total input power*	kW	26.08 (10.11)	30.34 (9.63)	34.67 (9.35)	39.07 (9.21)	43.58 (9.15)	48.38 (9.18)			
Total input power at no load, fan switched off					kW	2.8					
Male rotor speed					rpm	800 to 3600					
Approx. discharge temperature of air above ambient (at max. power)					°C	7					
Free field noise level ** at 70% load / at 100% load					dB(A)	67 / 70 (50Hz) ; 69 / 72 (60 Hz)					
Electrical Data											
Nominal motor rating					kW	37					
Nominal voltage [tolerance] (Frequency)						380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)					
Full load current max. at 380V / 400V / 460V					A	86 / 81 / 71					
Starting current (max. % of full load current)					%	100					
Standard drive motor detail						IP55 (IE-2) - IEC 60034-2-1 ECA Qualifying					
Drive motor speed min./max.					rpm	800 to 3600					
Fan motor rating					kW	0,85 (50Hz) (IP-54) ; 0,86 (60Hz) (IP-54)					
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)					mm²	4G35 / 4G35 / 4G35					
Suggested fuse rating at 380V / 400V / 460V (type gG)					A	100 / 100 / 100					
Cooling Data											
Ventilating fan capacity					m³/min	78					
Heat rejected by ventilating fan (max. % of actual input power)					%	95					
Size of cooling air inlet aperture					mm	731 x 639					
Size of cooling air outlet aperture					mm	764 x 740					
Approx. cooling air temperature above ambient (at max. power)					°C	28					
Max. allowable pressure drop in duct at ambient 35°C / 45°C					Pa	100 / 80					
Weights, Dimensions and Capacities Data											
Compressor oil capacity					l	23					
Oil carry over					mg/m³	< 3					
Compressed air delivery connection (male screwed thread)						EN 10226-1 R 1 1/2 (DIN 2999-R 1 1/2)					
Weight					kg	952					
Package dimensions L x W x H					mm	1722 x 920 x 1659					

* Data measured and stated in accordance with ISO1217 4rd 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 the ISO 2151, tolerance ± 3dB(A).

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