

Gardner Denver			L75 RS						TIS L75RS/CE	
			Technical Information Sheet						[Eng.Vers.2] 12/2/11	
			Regulated Speed, Air Cooled, 50hz							
Performance Data			L75 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	2.30 (650)	4.84 (1330)	7.29 (2010)	9.63 (2690)	11.86 (3370)	13.99 (4050)		
	Total input power* (P spec. - kW min/m³)	kW	15.71 (6.83)	27.89 (5.76)	40.72 (5.58)	54.56 (5.67)	69.96 (5.90)	87.02 (6.22)		
6 bar	FAD*	m3/min	2.28 (650)	4.84 (1330)	7.30 (2010)	9.64 (2690)	11.86 (3370)	13.97 (4050)		
	Total input power*	kW	16.95 (7.44)	29.98 (6.19)	43.41 (5.95)	57.79 (6.00)	74.12 (6.25)	92.63 (6.63)		
7 bar	FAD*	m3/min	2.26 (650)	4.76 (1310)	7.16 (1970)	9.44 (2630)	11.60 (3290)	13.64 (3950)		
	Total input power*	kW	18.20 (8.06)	31.64 (6.65)	45.28 (6.32)	59.68 (6.32)	76.15 (6.57)	95.31 (6.99)		
7.5 bar	FAD*	m3/min	2.25 (650)	4.72 (1300)	7.09 (1950)	9.33 (2600)	11.46 (3250)	13.47 (3900)		
	Total input power*	kW	18.84 (8.38)	32.46 (6.87)	46.19 (6.51)	60.62 (6.49)	77.14 (6.73)	96.60 (7.17)		
8 bar	FAD*	m3/min	2.24 (650)	4.64 (1280)	6.95 (1910)	9.13 (2540)	11.19 (3170)	13.14 (3800)		
	Total input power*	kW	19.49 (8.70)	33.04 (7.12)	46.65 (6.71)	60.83 (6.66)	76.99 (6.88)	96.25 (7.33)		
9 bar	FAD*	m3/min	2.23 (650)	4.52 (1250)	6.73 (1850)	8.81 (2450)	10.78 (3050)	12.63 (3650)		
	Total input power*	kW	20.81 (9.35)	34.36 (7.59)	47.92 (7.12)	61.90 (7.03)	77.68 (7.21)	96.65 (7.65)		
10 bar	FAD*	m3/min	2.21 (650)	4.40 (1220)	6.50 (1790)	8.48 (2360)	10.35 (2930)	12.11 (3500)		
	Total input power*	kW	22.09 (9.98)	35.55 (8.08)	49.06 (7.55)	62.89 (7.42)	78.18 (7.55)	96.29 (7.95)		
11 bar	FAD*	m3/min	2.20 (650)	4.28 (1190)	6.27 (1730)	8.15 (2270)	9.92 (2810)	11.58 (3350)		
	Total input power*	kW	23.31 (10.58)	36.59 (8.55)	50.04 (7.98)	63.77 (7.83)	78.57 (7.92)	95.38 (8.24)		
12 bar	FAD*	m3/min	3.07 (875)	4.87 (1350)	6.61 (1830)	8.25 (2310)	9.80 (2790)	11.21 (3250)		
	Total input power*	kW	30.09 (9.81)	42.46 (8.72)	55.07 (8.33)	68.08 (8.25)	81.83 (8.35)	96.07 (8.57)		
13 bar	FAD*	m3/min	3.92 (1100)	5.41 (1500)	6.83 (1900)	8.18 (2300)	9.47 (2700)	10.69 (3100)		
	Total input power*	kW	37.49 (9.56)	48.42 (8.95)	59.57 (8.72)	71.08 (8.69)	82.97 (8.76)	95.28 (8.92)		
Total input power at no load, fan switched off					kW	4.5				
Male rotor speed					rpm	650 to 4050				
Approx. discharge temperature of air above ambient (at max. power)					°C	8				
Free field noise level ** at 70% load / at 100% load					dB(A)	71 / 75 (50Hz) ; 72 / 76 (60 Hz)				
Electrical Data										
Nominal motor rating					kW	75				
Nominal voltage [tolerance] (Frequency)						380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)				
Full load current max. at 380V / 400V / 460V					A	170 / 162 / 141				
Starting current (max. % of full load current)					%	100				
Standard drive motor detail						IP55 (IE2) - IEC 60034-2-1 ECA Qualifying				
Drive motor speed min./max.					rpm	650 to 4050				
Fan motor rating					kW	2,4 (50 Hz) ; 2,5 (60Hz) (IP-54)				
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)					mm²	3x70PE35 / 3x70PE35 / 3x70PE35				
Suggested fuse rating at 380V / 400V / 460V (type gG)					A	3x200 / 3x200 / 3x200				
Cooling Data										
Ventilating fan capacity					m³/min	164 (50Hz) ; 170 (60 Hz)				
Heat rejected by ventilating fan (max. % of actual input power)					%	95				
Size of cooling air inlet aperture					mm	917 x 986				
Size of cooling air outlet aperture					mm	942 x 1044				
Approx. cooling air temperature above ambient (at max. power)					°C	26 (50Hz) ; 25 (60Hz)				
Max. allowable pressure drop in duct at ambient 35°C / 45°C					Pa	80 / 40 (50 Hz) ; 110 / 70 (60Hz)				
Weights, Dimensions and Capacities Data										
Compressor oil capacity					l	34				
Oil carry over					mg/m³	< 3				
Compressed air delivery connection (male screwed thread)						EN 10226-1 R 2 (DIN 2999-R 2)				
Weight					kg	1800				
Package dimensions L x W x H					mm	2158 x 1223 x 1971				

* 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).

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