

Gardner Denver			L29 RS - 13 A							TIS L29RS/CE				
			Technical Information Sheet											
			Regulated Speed, Air Cooled, 50Hz							[Eng.Vers.2] 5/30/12				
Performance Data			L29 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	1.18	(1200)	2.03	(1896)	2.88	(2603)	3.74	(3321)	4.59	(4050)	5.45	(4790)
	Total input power* (P spec. - kW min/m³)	kW	9.31	(7.92)	12.31	(6.07)	16.46	(5.71)	21.78	(5.83)	28.41	(6.19)	36.24	(6.66)
6 bar	FAD*	m³/min	1.15	(1200)	2.01	(1893)	2.86	(2598)	3.72	(3316)	4.58	(4046)	5.44	(4790)
	Total input power*	kW	9.89	(8.62)	13.56	(6.76)	18.06	(6.31)	23.41	(6.29)	29.73	(6.49)	36.93	(6.80)
7 bar	FAD*	m³/min	1.12	(1200)	1.98	(1889)	2.84	(2592)	3.70	(3309)	4.56	(4042)	5.42	(4790)
	Total input power*	kW	10.54	(9.41)	14.77	(7.46)	19.60	(6.90)	25.03	(6.77)	31.15	(6.83)	37.93	(7.00)
7.5 bar	FAD*	m³/min	1.11	(1200)	1.97	(1886)	2.83	(2587)	3.69	(3304)	4.55	(4038)	5.41	(4790)
	Total input power*	kW	10.90	(9.86)	15.35	(7.81)	20.31	(7.19)	25.82	(7.01)	31.94	(7.03)	38.64	(7.15)
8 bar	FAD*	m³/min	1.09	(1200)	1.92	(1856)	2.74	(2526)	3.57	(3214)	4.40	(3919)	5.22	(4644)
	Total input power*	kW	11.30	(10.36)	15.72	(8.20)	20.58	(7.50)	25.92	(7.26)	31.79	(7.23)	38.23	(7.32)
9 bar	FAD*	m³/min	1.06	(1200)	1.82	(1796)	2.58	(2407)	3.34	(3035)	4.10	(3683)	4.86	(4352)
	Total input power*	kW	12.18	(11.48)	16.38	(9.00)	20.99	(8.14)	26.03	(7.80)	31.55	(7.70)	37.64	(7.75)
10 bar	FAD*	m³/min	1.03	(1200)	1.72	(1738)	2.42	(2292)	3.11	(2862)	3.81	(3451)	4.50	(4060)
	Total input power*	kW	13.11	(12.75)	17.02	(9.88)	21.30	(8.81)	26.02	(8.36)	31.19	(8.19)	36.91	(8.20)
11 bar	FAD*	m³/min	0.99	(1200)	1.65	(1703)	2.31	(2219)	2.96	(2752)	3.62	(3303)	4.27	(3873)
	Total input power*	kW	14.05	(14.14)	17.80	(10.79)	21.91	(9.50)	26.45	(8.93)	31.42	(8.69)	36.92	(8.64)
12 bar	FAD*	m³/min	0.96	(1200)	1.58	(1669)	2.19	(2150)	2.81	(2646)	3.43	(3158)	4.05	(3687)
	Total input power*	kW	14.99	(15.67)	18.59	(11.80)	22.50	(10.26)	26.83	(9.54)	31.56	(9.20)	36.75	(9.08)
13 bar	FAD*	m³/min	0.92	(1200)	1.50	(1635)	2.08	(2081)	2.66	(2539)	3.24	(3012)	3.82	(3500)
	Total input power*	kW	15.95	(17.36)	19.36	(12.92)	23.06	(11.09)	27.14	(10.20)	31.60	(9.75)	36.47	(9.55)
Total input power at no load, fan switched off					kW	2.6								
Male rotor speed					rpm	1200 to 4790								
Approx. discharge temperature of air above ambient (at max. power)					°C	6								
Free field noise level ** at 70% load / at 100% load					dB(A)	69 / 72 (50Hz) ; 70 / 73 (60Hz)								
Electrical Data														
Nominal motor rating					kW	30								
Nominal voltage [tolerance] (Frequency)						380V[+10% -5%]; 400V[±10%]; 460V[±10%] (50, 60Hz)								
Full load current max. at 380V / 400V / 460V					A	70 / 66 / 58								
Starting current (max. % of full load current)					%	100								
Standard drive motor detail						IP55 (IE-3) - IEC 60034-2-1 ECA Qualifying								
Drive motor speed min./max.					rpm	1200 to 4790								
Fan motor rating					kW	0,83 (50Hz) (IP-54) ; 0,86 (60Hz) (IP-54)								
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)					mm²	4G25 / 4G25 / 4G16								
Suggested fuse rating at 380V / 400V / 460V (type gG)					A	80 / 80 / 63								
Cooling Data														
Ventilating fan capacity					m³/min	94 (50Hz) ; 89 (60Hz)								
Heat rejected by ventilating fan (max. % of actual input power)					%	95								
Size of cooling air inlet aperture					mm	595 x 548								
Size of cooling air outlet aperture					mm	888 x 372								
Approx. cooling air temperature above ambient (at max. power)					°C	20 (50Hz) ; 21 (60Hz)								
Max. allowable pressure drop in duct at ambient 35°C / 45°C					Pa	90 / 60								
Weights, Dimensions and Capacities Data														
Compressor oil capacity					l	15								
Oil carry over					mg/m³	< 3								
Compressed air delivery connection (female screwed thread)						EN 10226-1 R 1 1/4 (DIN 2999-R 1 1/4)								
Weight					kg	712								
Package dimensions L x W x H					mm	1345 x 880 x 1612								

* 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).

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