



L30 RS

TIS L-FR3-V5 30RS-A

Technical Information Sheet

REV B

Regulated Speed, Air Cooled

08.08.2023

Performance Data			L30 RS						
Maximum working pressure		bar g	10.0						
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)	m ³ /min	1.40 (800)	2.22 (1196)	3.05 (1608)	3.88 (2037)	4.71 (2487)	5.53 (2960)	
	Total input power* (P spec. - kW min/m ³)	kW	9.55 (6.84)	12.93 (5.82)	16.72 (5.48)	20.92 (5.39)	25.68 (5.46)	31.06 (5.61)	
6 bar	FAD*	m ³ /min	1.37 (800)	2.20 (1196)	3.03 (1608)	3.86 (2038)	4.69 (2487)	5.52 (2960)	
	Total input power*	kW	10.53 (7.70)	14.14 (6.43)	18.17 (6.00)	22.61 (5.86)	27.61 (5.89)	33.20 (6.01)	
7 bar	FAD*	m ³ /min	1.34 (800)	2.17 (1196)	3.01 (1607)	3.84 (2036)	4.67 (2486)	5.50 (2960)	
	Total input power*	kW	11.56 (8.61)	15.38 (7.08)	19.63 (6.53)	24.30 (6.33)	29.55 (6.33)	35.39 (6.43)	
7.5 bar	FAD*	m ³ /min	1.33 (800)	2.16 (1195)	2.99 (1605)	3.83 (2034)	4.66 (2485)	5.49 (2960)	
	Total input power*	kW	12.11 (9.10)	16.03 (7.41)	20.37 (6.80)	25.14 (6.57)	30.52 (6.55)	36.52 (6.65)	
8 bar	FAD*	m ³ /min	1.47 (870)	2.25 (1239)	3.02 (1623)	3.80 (2024)	4.58 (2446)	5.35 (2890)	
	Total input power*	kW	13.38 (9.10)	17.16 (7.64)	21.34 (7.06)	25.90 (6.82)	31.03 (6.78)	36.75 (6.87)	
9 bar	FAD*	m ³ /min	1.75 (1010)	2.42 (1327)	3.08 (1657)	3.74 (2002)	4.41 (2364)	5.07 (2745)	
	Total input power*	kW	16.11 (9.20)	19.54 (8.09)	23.33 (7.57)	27.40 (7.32)	31.96 (7.25)	37.08 (7.31)	
10 bar	FAD*	m ³ /min	2.04 (1150)	2.59 (1418)	3.15 (1696)	3.70 (1987)	4.26 (2291)	4.81 (2610)	
	Total input power*	kW	19.08 (9.36)	22.08 (8.51)	25.42 (8.08)	28.98 (7.83)	32.95 (7.74)	37.39 (7.77)	

Total input power at no load, fan switched off	kW	2.5
Male rotor speed	rpm	800 to 2960
Approx. discharge temperature of air above ambient (at max. power)	°C	7
Free field noise level ** at 70% load / at 100% load	dB(A)	66 / 68 (50Hz) ; 68 / 70 (60 Hz)

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	69 / 66 / 57
Starting current (max. % of full load current)	%	100
Standard drive motor detail		IP55 (IE3) - IEC 60034-2-1 ECA Qualifying
Drive motor speed min./max.	rpm	800 to 2960
Fan motor rating	kW	0,73 (50Hz) (IP-54) ; 0,86 (60Hz) (IP-54)
Suggested cable size at 380V / 400V / 460V (max.30°C / max. 50m / Copper)	mm ²	4G25 / 4G25 / 4G25
Suggested fuse rating at 380V / 400V / 460V (type gG)	A	80 / 80 / 80

Cooling Data		
Ventilating fan capacity	m ³ /min	65
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	120 / 90

Weights, Dimensions and Capacities Data		
Compressor oil capacity	l	23
Oil carry over	mg/m ³	< 3
Compressed air delivery connection (male screwed thread)		EN 10226-1 R 1 1/2 (DIN 2999-R 1 1/2)
Weight	kg	925
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.