

		L45SR / L75SR		TISL45SR/10
		Technical Information Sheet		
		Speed Regulated, Air Cooled		September-01
Performance Data		L45SR	L75SR	
Maximum working pressure	bar g	13.0	13.0	
Minimum working pressure	bar g	5.0	5.0	
Ambient temperature - min/max	°C	1 to 45	1 to 43	
5 bar	FAD(speed) min/max	m ³ /min	1.12 (750) / 8.02 (5000)	1.9 (750) / 12.4 (4800)
	Total input power min/max	kW	10 / 51	17 / 75
6 bar	FAD(speed) min/max	m ³ /min	1.10 (750) / 7.97 (5000)	1.8 (750) / 12.3 (4800)
	Total input power min/max	kW	11 / 54	18 / 80
7 bar	FAD(speed) min/max	m ³ /min	1.09 (750) / 7.93 (5000)	1.8 (750) / 12.2 (4800)
	Total input power min/max	kW	11 / 57	19 / 84
8 bar	FAD(speed) min/max	m ³ /min	1.18 (850) / 7.62 (4900)	1.8 (750) / 11.8 (4550)
	Total input power min/max	kW	12 / 58	20 / 87
9 bar	FAD(speed) min/max	m ³ /min	1.25 (900) / 7.31 (4700)	1.7 (800) / 11.3 (4400)
	Total input power min/max	kW	13 / 58	21 / 88
10 bar	FAD(speed) min/max	m ³ /min	1.32 (1000) / 6.99 (4550)	1.8 (850) / 10.73 (4200)
	Total input power min/max	kW	15 / 58	24 / 88
11 bar	FAD(speed) min/max	m ³ /min	1.42 (1100) / 6.65 (4350)	1.9 (900) / 10.3 (4050)
	Total input power min/max	kW	17 / 58	25 / 88
12 bar	FAD(speed) min/max	m ³ /min	1.53 (1150) / 6.31 (4150)	2.0 (950) / 10.0 (3900)
	Total input power min/max	kW	19 / 58	28 / 88
13 bar	FAD(speed) min/max	m ³ /min	1.64 (1250) / 5.97 (3950)	2.1 (1000) / 9.51 (3700)
	Total input power min/max	kW	21 / 58	29 / 88
Total input power at no load	kW	Not applicable		
Male rotor speed min/max	rpm	750 to 5000	750 to 4800	
Discharge temperature of air	°C	10° above ambient temperature	11° above ambient temperature	
Free field noise level @ 1metre	dB(A)	77 @ maximum speed	77 @ maximum speed	
Electrical Data				
Nominal motor rating	kW	50	75	
Standard drive motor detail	IP 21 switched reluctance motor			
Drive motor speed min/max	rpm	750 to 5000	750 to 4800	
Cooling fan motor detail	2.2kW, TEFC IP54		4kW, TEFC IP54	
Full load current 380V	amps	107	160	
Full load current 400V	amps	102	155	
Full load current 415V	amps	98	151	
Full load current 460V	amps	87	139	
Starting current	amps	Full load current		Full load current
Cooling Data				
Cooling Air Flow	m ³ /min	150	289	
Heat rejected by cooling fan	kW	56	83	
Size of cooling air inlet aperture(s)	mm	(820 x 325) + (309 x 205)	832 x 623	
Size of cooling air outlet aperture	mm	806 x 806	910 x 910	
Cooling air temp above ambient	°C	19	14	
Max. cooling air outlet duct length	mm	3000 (minimum size 806 x 806)	3000 (minimum size 910 x 910)	
Max. allowable pressure drop in duct				
Weights Dimensions and Capacities Data				
Compressor oil capacity	litres	18.5	45	
Approx. Oil carry over	mg/m ³	6	6	
Compressed air delivery connection		G 1½	R 2½	
Weight with oil	kg	955	1243	
Heaviest service weight	kg	236	305	
Package dimensions L x W x H	mm	1420 x 990 x 1650	2050 x 1200 x 1702	

Data measured and stated in accordance with ISO1217 Annex C and Pneurop / Cagi PN2CPTC2 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 at 1 metre in accordance with the Pneurop Cagi test code with a tolerance of +/- 3 dB(A).

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