



L45-L50

Technical Information Sheet

Air Cooled 50Hz

TISL45/10

03/06

Performance Data		Working pressure	bar g	L45			L50	
				7.5	10	13	7.5	10
Minimum working pressure			bar g	5,0				
Ambient temperature - min./max.			°C	1 to 45				
Working Pressure	FAD * @ max. working pressure		m <sup>3</sup> /min				8,67	7,55
	Total package input power* @max.w.pr.		kW				56,37	55,56
5 bar	FAD		m <sup>3</sup> /min				8,70	7,64
	Total input power		kW				48,43	41,27
6 bar	FAD		m <sup>3</sup> /min				8,69	7,62
	Total input power		kW				51,65	44,23
7 bar	FAD		m <sup>3</sup> /min				8,67	7,60
	Total input power		kW				54,82	47,15
7.5 bar	FAD		m <sup>3</sup> /min				8,67	7,59
	Total input power		kW				56,37	48,58
8 bar	FAD		m <sup>3</sup> /min					7,59
	Total input power		kW					50,00
9 bar	FAD		m <sup>3</sup> /min					7,57
	Total input power		kW					52,79
10 bar	FAD		m <sup>3</sup> /min					7,55
	Total input power		kW					55,56
11 bar	FAD		m <sup>3</sup> /min					
	Total input power		kW					
12 bar	FAD		m <sup>3</sup> /min					
	Total input power		kW					
13 bar	FAD		m <sup>3</sup> /min					
	Total input power		kW					
Total input power at no load, fan switched off			kW				9,5	8,3
Male rotor speed			rpm				2404	2096
Approx. discharge temperature of air above ambient			°C				7	6
Free field noise level **			dB(A)				67	
<b>Electrical Data</b>								
Nominal motor rating			kW	45				
Full load Current max. @ 220V / 380V / 400V			Amp	188 / 109 / 102				
Starting Current max. IP55 (400V)				Approx. 2.5 times full load current				
Standard drive motor detail			IP	IP55, EFF1 ECA Qualifying				
Drive motor speed			rpm	3000				
Fan motor rating			kW	1,4				
Suggested cable size @ 220V / 380V / 400V			mm <sup>2</sup>	3x95PE50 / 4G50 / 4G50				
Suggested fuse rating @ 220V / 380V / 400V, time delay			Amp	200 AgL / 125 AgL / 125 AgL				
<b>Cooling Data</b>								
Ventilating fan capacity			m <sup>3</sup> /min	87				
Heat rejected by ventilating fan			%	max. 95% of terminal power				
Size of cooling air inlet aperture			mm	731 x 639				
Size of cooling air outlet aperture			mm	764 x 740				
Cooling air temp above ambient approx.			°C	28				
Max. allowable pressure drop in duct at ambient 35°C / 45°C			Pa	130 / 90				
<b>Weights Dimensions and Capacities Data</b>								
Compressor oil capacity			litres	23				
Approx.. Oil carry over			mg/m <sup>3</sup>	< 3				
Compressed air delivery connection				R 1 1/2" DIN 2999				
Weight			kg	1055				
Package dimensions L x W x H			mm	1722 x 920 x 1659				
<p>* 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 - 20oC / 68oF  Humidity - 0%(dry)</p> <p>**Measured in free field conditions in accordance with the Pneurop Cagi PN8TNC2.3 test code, tolerance ± 3dB.  CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications without prior notice.</p>								