


20.08.2021	CR45					
Rev. No: 01						
CAPACITY & POWER CONSUMPTION	Frequency and Voltage Ratings		Hz	50		
			V	400		
	Maximum Working Pressure		bar	7,5	10	13
	Capacity at Nominal Working Pressure (FAD / ISO 1217-AnnexC)		m ³ /min	7,20	6,40	5,40
	Shaft Power at Nominal Working Pressure		kW	42,88	43,19	43,92
	Idling Shaft Power		kW	11,15	11,23	11,42
	Nominal Working Pressure		bar	7,0	9,5	12,5
	Minimum Working Pressure		bar	5,5	5,5	5,5
	Air-End Male Rotor Speed		rpm	4990	4365	3880
	Maximum Package Power at Nominal Working Pressure	IE3 Motor [ISO 1217-Annex C] IE3 Motor [ISO 1217-Ek C]	kW	45,8	46,1	46,9
	Specific Energy Consumption	IE3 Motor [ISO 1217-Annex C] IE3 Motor [ISO 1217-Ek C]	kW/m ³ /min	6,36	7,21	8,69
	Maximum Package Current at Nominal Working Pressure		A	0		
	Drive System		Direct Drive			
	COOLING	Minimum Allowed Ambient Temp.		°C	+ 2	
Maximum Allowed Ambient Temp.		°C	+ 43			
Compressed Air Temp. Rise Over Suction Temp.		°C	+ 10			
Heat Rejection to the Oil Cooler (ΔT)		kW	36,45	36,71	37,33	
Heat Rejection to the After Cooler (ΔT)		kW	6,43	6,48	6,59	
Cooling Air Flow Rate (All Fans) [Q _a]		m ³ /h	6000			
Dimension of Air Outlet(s)		mm	745x745			
Max.Cooling Air Pressure Drop		Pa	150			
Cooling Air Temp Rise Over Ambient Temp.		°C	10 - 15			
MAIN MOTOR	Main Motor Rated Output Power		kW	45		
	Main Motor Current at Nominal Working Pressure*		A	0		
	Main Motor Efficiency (IE3)		%	93,6		
	Main Motor Mounting		IMB	B3		
	Main Motor Frame Size		225 S/M			
	Main Motor Degree of Protection		IP	IP55		
	Main Motor Pole Number		#P	2		
	Main Motor Rated Speed (50Hz)		rpm	3000		
	Main Motor Rated Speed (60Hz)		rpm	3600		
	Main Motor Insulation Class		F			
	Main Motor Temperature Rise Class		B			
GENERAL TECHNICAL DATA	Oil Quantity		L	22		
	Residual Oil Content in Compressed Air		mg/m ³	≤ 3		
	Compressed Air Outlet		G	1 1/4"		
	Compressor Package Inlet Power Cable Minimum Cross-Section Area (This recommended cross-section area is up to 25m Power Cable)		mm ²	3 x 35 +16		
	Noise Level (ISO 2151, ± 3dB (A))		dB (A)	75		
	Compressor Weight (approx.)	Base Mounted	kg	878		
	Compressor Dimensions (L x W x H)	Base Mounted	mm	1605x1030x1755		
REFERENCE CONDITIONS	Absolute Inlet Pressure		1 bar(a)	All rights reserved. CAPS has the legal rights to change this specification without an announcement.		
	Relative Air Humidity		0%			
	Air Inlet Temperature		20°C			
	**Standard Oil Type		Smartoil 6000	www.caps.com.au		
(*)The information provide is a guide only, its suitability in your individual application should be verified by an approved Licensed Electrical Contractor. (**) Special lubricants for different applications are available, please contact CAPS COMPLETE AIR and POWER SOLUTIONS Sales Department.						