



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR40APM

Direct drive 380V/400V/415V 50Hz/60Hz/3 Phase Variable Speed Control	Frequency Range	7 bar	8 bar	10 bar	
First figure: Effective volume flow m³/min (ISO 1217/Annex E)	100%	4.7	4.6	4.2	
		29.8	32	31.5	
	90%	4.2	4.1	3.8	
		26.8	28.8	28.4	
	80%	3.8	3.7	3.4	
		23.8	25.6	25.2	
	70%	3.3	3.2	2.9	
		20.9	22	22	
	60%	2.8	2.8	2.5	
		17.9	19.2	18.9	
	Test conditions: Suction pressure: 0.1 MPa Suction temperature: 20 °C Suction humidity: 0%	50%	2.4	2.3	2.1
			14.9	16	15.8
40%		1.9	1.8	1.7	
		11.9	12.8	12.6	
30%		1.4	1.4	1.3	
		8.9	9.6	9.5	
Full load current /380V		A	53.3	54	52
Full load current /400V			50.6	51.3	49.4
Full load current /415V	48.8		49.4	47.6	
Starting current	A	FLC*(1.2~1.5)			
Unload - Terminal power	kW	4.5	5	4.8	
Drive Motor					
Nominal motor rating	kW	30			
Motor type		Oil Cooling PM Motor			
Motor enclosure /IP		IP65			
Motor speed Min/Max.	RPM	975/3900	975/3900	863/3450	
Frequency range	Hz	65-260	65-260	57.5-230	
Motor efficiency	%	95.3	95.3	95.3	
Service factor		1.2	1.2	1.2	
Cooling					
Type of cooling		Air Cooled			
Cooling air volume	m³/h	7800			
Fan motor rating	kW	0.6kW*1			
Air End					
Male rotor max speed		3900	3900	3450	
Temperatures					
Ambient temperature range	°C	1-45			
Dimensions / Weights / Genera data					
Compressed air outlet		R 1			
L x W x H	mm	1180*820*1110			
Weight	kg	470			
Oil capacity	L	17			
Residual oil content	mg/m³	≤3			
Noise level at 1 meter	dB(A)	73±3			
Outlet temperature	°C	≤Environment temp +10			