



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR50APM

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%	6.2	6.1	5.6	
		39.1	42	41.7	
	90%	5.6	5.5	5	
		35.2	38	37.5	
	80%	5	4.9	4.5	
		31.3	33.6	33.4	
	70%	4.3	4.3	3.9	
		27.4	29.4	29.2	
	60%	3.7	3.7	3.4	
		23.5	25.2	25	
	Test conditions: Suction pressure: 0.1 MPa Suction temperature: 20 °C Suction humidity: 0%	50%	3.1	3.1	2.8
			19.6	21	20.9
40%		2.5	2.4	2.2	
		15.6	16.8	16.7	
30%		1.9	1.8	1.7	
		11.7	12.6	12.5	
Full load current /380V		A	60.3	61.3	64.7
Full load current /400V			57.3	58.2	61.5
Full load current /415V	55.2		56	59.3	
Starting current	A	FLC*(1.2~1.5)			
Unload - Terminal power	kW	5.9	6.3	6.2	
Drive Motor					
Nominal motor rating	kW	37			
Motor type		Oil Cooling PM Motor			
Motor enclosure /IP		IP65			
Motor speed Min/Max.	RPM	750/3000	750/3000	675/2700	
Frequency range	Hz	50-200	50-200	45-180	
Motor efficiency	%	96.38	96.38	96.38	
Service factor		1.2	1.2	1.2	
Cooling					
Type of cooling		Air Cooled			
Cooling air volume	m³/h	13000			
Fan motor rating	kW	2.2kW*1			
Air End					
Male rotor max speed		3000	3000	2700	
Temperatures					
Ambient temperature range	°C	1-45			
Dimensions / Weights / Genera data					
Compressed air outlet		R1 1/2			
L x W x H	mm	1380*975*1350			
Weight	kg	670			
Oil capacity	L	27			
Residual oil content	mg/m³	≤3			
Noise level at 1 meter	dB(A)	73±3			
Outlet temperature	°C	≤ Environment temp + 10			