



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR50EPM

Direct drive 380V/400V/415V 50Hz/ 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%	7.3	7.2	6.3	
		44.5	47.8	47.5	
	90%	6.6	6.5	5.7	
		40.1	43.0	42.8	
	80%	5.8	5.8	5.0	
		35.6	38.2	38.0	
	70%	5.1	5.0	4.4	
		31.2	33.5	33.3	
	60%	4.4	4.3	3.8	
		26.7	28.7	28.5	
	Test conditions: Suction pressure: 0.1MPa Suction temperature: 20 °C Suction humidity: 0%	50%	3.7	3.6	3.2
			22.3	23.9	23.8
40%		2.9	2.9	2.5	
		17.8	19.1	19.0	
30%		2.2	2.2	1.9	
		13.4	14.3	14.3	
Full load current /380V		A	72	74	74
Full load current /400V			69	70	71
Full load current /415V	66		67	68	
Starting current	A	FLC*(1.2~1.5)			
Unload - Terminal power	kW	7.0	7.0	7.0	
Drive Motor					
Nominal motor rating	kW	37			
Motor type		Oil Cooling PM Motor			
Motor enclosure /IP		IP65			
Motor speed Min/Max.	RPM	558/1860	558/1860	495/1650	
Frequency range	Hz	37.2-124	37.2-124	33-110	
Motor efficiency	%	95.82	95.82	95.82	
Service factor		1.3	1.3	1.3	
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		1860	1860	1650	
Temperatures					
Ambient temperature range	°C	1-45			
Dimensions / Weights / Genera data					
Compressed air outlet		R1 1/2			
L x W x H	mm	1530*1100*1500			
Weight	kg	980			
Oil capacity	L	29			
Residual oil content	mg/m³	≤3			
Noise level at 1 meter	dB(A)	70±3			
Outlet temperature	°C	≤Environment temp +10			