



COMPRESSORS

INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR100APM

Direct drive 380V/400V/415V 50Hz/60Hz/3 Phase Variable Speed Control	Frequency Range	7 bar	8 bar	10 bar	12.5 bar
First figure: Effective volume flow m³/min (ISO 1217/Annex E) Second figure: Terminal power kW (ISO 1217/Annex E) Test conditions: Suction pressure: 0.1MPa Suction temperature: 20 °C Suction humidity: 0%	100%	13.1	13	11.5	9.5
		80	86	85.5	88.3
	90%	12	11.7	10.4	8.6
		72	77.4	77	79
	80%	10.5	10.4	9.2	7.6
		64	69	68.4	70.6
	70%	9.2	9.1	8.1	6.7
		56	60.2	59.9	61.8
	60%	7.9	7.8	6.9	5.7
		48	52	51.3	53
	50%	6.6	6.5	5.8	4.8
		40	43	43	44
40%	5.2	5.2	4.6	3.8	
	32	34	34.2	35.3	
30%					
Full load current /380V		130	132	138	136
Full load current /400V	A	124	126	131	129
Full load current /415V		120	122	133	125
Starting current	A	FLC*(1		2~1.5)	
Unload - Terminal power	kW	16.0	17	17.1	17.7
Drive Motor					
Nominal motor rating	kW	75			
Motor type		Oil Cooling PM Motor			
Motor enclosure /IP		IP65			
Motor speed Min/Max.	RPM	1272/3180	1272/3180	1140/2850	1002/2505
Frequency range	Hz	84.8-212	84.8-212	76-190	66.8-167
Motor efficiency	%	96.8	96.8	96.8	96.5
Service factor		1.2	1.2	1.2	1.2
Cooling					
Type of cooling		Air Cooled			
Cooling air volume	m³/h	17500			
Fan motor rating	kW	2.2kW*1			
Air End					
Male rotor max speed		3180	3180	2850	2505
Temperatures					
Ambient temperature range	°C	1-45			
Dimensions / Weights / Genera data					
Compressed air outlet		R 2			
L x W x H	mm	1800*1300*1550			
Weight	kg	1210			
Oil capacity	L	50			
Residual oil content	mg/m³	≤3			
Noise level at 1 meter	dB(A)	79±3			
Outlet temperature	°C	≤Environment temp +10			