



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR20APM

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%	2.4	2.3	2
		16.1	17.3	17.7
	90%	2.2	2.1	1.8
		14.5	15.6	15.9
	80%	1.9	1.8	1.6
		12.9	13.8	14.2
Second figure: Terminal power kW (ISO 1217/Annex E)	70%	1.7	1.6	1.4
		11.3	12.1	12.4
	60%	1.4	1.4	1.2
		9.7	10.4	10.6
Test conditions: Suction pressure: 0.1 MPa Suction temperature: 20°C Suction humidity: 0%	50%	1.2	1.2	1.0
		8.1	8.7	8.9
	40%	1	0.9	\
		6.4	6.9	
	30%			
	Full load current /380V		27.4	27.9
Full load current /400V	A	26	26.5	27.2
Full load current /415V		25.0	25.5	26.2
Starting current	A	FLC*(1.2~1.5)		
Unload - Terminal power	kW	3.2	3.5	4.5
Drive Motor				
Nominal motor rating	kW	15		
Motor type		Oil Cooling PM Motor		
Motor enclosure /IP		IP65		
Motor speed Min/Max.	RPM	1200/3000	1200/3000	1400/2800
Frequency range	Hz	60-150	60-150	70-140
Motor efficiency	%	94.9	94.9	94.9
Service factor		1.2	1.2	1.2
Cooling				
Type of cooling		Air Cooled		
Cooling air volume	m³/h	3276		
Fan motor rating	kW	0.29kW* 1		
Air End				
Male rotor max speed		3000	3000	2800
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / Genera data				
Compressed air outlet		R 3/4		
L x W x H	mm	900*820*1040		
Weight	kg	300		
Oil capacity	L	10		
Residual oil content	mg/m³	≤3		
Noise level at 1 meter	dB(A)	70±3		
Outlet temperature	°C	≤Environment temp +10		



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Direct drive 380V/400V/415V 50Hz/ 3 Phase Variable Speed Control	Frequency Range	12.5 bar	15 bar	16 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%	1.6	1.3	1.2
		18.1	17.1	18
	90%	1.4	1.2	1.1
		16.3	15.4	16.1
	80%	1.28	1.04	0.96
		14.5	13.7	14.3
	70%	1.1	0.9	0.8
		12.7	12	12.5
	60%	1.0		
		10.9		
	50%			
	40%			
	30%			
Full load current /380V		27.9	28.7	29.6
Full load current /400V	A	26.5	27.3	28.1
Full load current /415V		25.5	26	27.1
Starting current	A	FLC*(1.2~1.5)		
Unload - Terminal power	kW	5.5	6	6.3
Drive Motor				
Nominal motor rating	kW	15		
Motor type		Oil Cooling PM Motor		
Motor enclosure /IP		IP65		
Motor speed Min/Max.	RPM	1600-3100	1600-2600	1600-2600
Frequency range	Hz	80-155	80-130	80-130
Motor efficiency	%	94.93	94.93	94.93
Service factor		1.2	1.2	1.2
Cooling				
Type of cooling		Air Cooled		
Cooling air volume	m³/h	3276		
Fan motor rating	kW	0.284kW*1		
Air End				
Male rotor max speed		3100	2600	2600
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / Genera data				
Compressed air outlet		R 3/4		
L x W x H	mm	900*820* 1040/1100*900*1060(CE)		
Weight	kg	300/330(CE)		
Oil capacity	L	10		
Residual oil content	mg/m³	≤3		
Noise level at 1 meter	dB(A)	70±3		
Outlet temperature	°C	≤Environment temp +10		