



COMPRESSORS

INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR100EPM2

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) Second figure: Terminal power kW (ISO 1217/Annex E) Test conditions: Suction pressure: 0.1MPa Suction temperature: 20 °C Suction humidity: 0%	100%	16.3	16	14
		96.1	101.7	103
	90%	14.7	14.4	12.6
		86.5	91.5	92.7
	80%	13.0	12.8	11.2
		76.9	81.4	82.4
	70%	11.4	11.2	9.8
		67.3	71.2	72.1
	60%	9.8	9.6	8.4
		57.7	61.0	61.8
	50%	8.2	8.0	7.0
		48.1	50.9	51.5
40%	6.5	6.4	5.6	
	38.4	40.7	41.2	
30%				
Full load current /380V	A	141	151	164
Full load current /400V		134	143	155
Full load current /415V		129	138	150
Starting current	A	FLC*(1.2~1.5)		
Unload - Terminal power	kW	12.0	12.0	14.0
Drive Motor				
Nominal motor rating	kW	75		
Motor type		Liquid Cooling PM Motor		
Motor enclosure /IP		IP65		
Motor speed Min/Max.	RPM	580/1450	564/1410	860/2150
Frequency range	Hz	58-145	56.4-141	86-215
Motor efficiency	%	96.2	96.2	96.7
Service factor		1.3	1.3	1.3
Cooling				
Type of cooling		Air Cooled		
Cooling air volume	m³/h	26000		
Fan motor rating	kW	2.2kW*2		
Air End				
Male rotor max speed		1450	1410	2150
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / Genera data				
Compressed air outlet		DN65		
L x W x H	mm	2280*1500*1950		
Weight	kg	2020		
Oil capacity	L	95		
Residual oil content	mg/m³	≤3		
Noise level at 1 meter	dB(A)	78±3		
Outlet temperature	°C	≤Environment temp + 10		