



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR90EPM2

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)	100%	14	13	12	
		83.5	83	87	
	90%	12.6	11.7	10.8	
		75.2	74.7	78.3	
	80%	11.2	10.4	9.6	
		66.8	66.4	69.6	
	70%	9.8	9.1	8.4	
		58.5	58.1	60.9	
	60%	8.4	7.8	7.2	
		50.1	49.8	52.2	
	Test conditions: Suction pressure: 0.1MPa Suction temperature: 20 °C Suction humidity: 0%	50%	7.0	6.5	6.0
			41.8	41.5	43.5
40%		5.6	5.2	4.8	
		33.4	33.2	34.8	
	30%				
Full load current /380V	A	131	127	140	
Full load current /400V		124	121	133	
Full load current /415V		120	116	128	
Starting current	A	FLC*(1.2~1.5)			
Unload - Terminal power	kW	8.0	7.0	10.0	
Drive Motor					
Nominal motor rating	kW	63			
Motor type		Liquid Cooling PM Motor			
Motor enclosure /IP		IP65			
Motor speed Min/Max.	RPM	860/2145	810/2025	760/1905	
Frequency range	Hz	86/214.5	81/202.5	76/190.5	
Motor efficiency	%	96.3	96.3	96.3	
Service factor		1.3	1.3	1.3	
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		2145	2025	1905	
Temperatures					
Ambient temperature range	°C	1-45			
Dimensions / Weights / Genera data					
Compressed air outlet		R 2			
L x W x H	mm	1900*1350*1720			
Weight	kg	1480			
Oil capacity	L	55			
Residual oil content	mg/m³	≤3			
Noise level at 1 meter	dB(A)	76±3			
Outlet temperature	°C	≤Environment temp +10			