



COMPRESSORS

INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR180EPM2

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%	30	28	23
		173	168	164
	90%	27.0	25.2	20.7
		155.7	151.2	147.6
	80%	24.0	22.4	18.4
		138.4	134.4	131.2
	70%	21.0	19.6	16.1
		121.1	117.6	114.8
	60%	18.0	16.8	13.8
		103.8	100.8	98.4
	50%	15.0	14.0	11.5
		86.5	84.0	82.0
40%	12.0	11.2	9.2	
	69.2	67.2	65.6	
30%				
Full load current /380V		254	277	244
Full load current /400V	A	242	263	232
Full load current /415V		233	254	223
Starting current	A	FLC*(1.2~1.5)		
Unload - Terminal power	kW	34.6	33.6	32.8
Drive Motor				
Nominal motor rating	kW	132		
Motor type		Liquid Cooling PM Motor		
Motor enclosure /IP		IP65		
Motor speed Min/Max.	RPM	600/1875	600/1770	600/1500
Frequency range	Hz	40-125	40-118	40-100
Motor efficiency	%	96.8	96.8	96.8
Service factor		1.3	1.3	1.3
Cooling				
Type of cooling		Air Cooled		
Cooling air volume	m³/h	34000		
Fan motor rating	kW	3kW*2		
Air End				
Male rotor max speed		1875	1770	1500
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / Genera data				
Compressed air outlet		DN80		
L x W x H	mm	2750*1700*2150		
Weight	kg	3160		
Oil capacity	L	120		
Residual oil content	mg/m³	≤3		
Noise level at 1 meter	dB(A)	78±3		
Outlet temperature	°C	≤Environment temp +10		