



COMPRESSORS

INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR1900LBPM

Direct drive 380V/400V/415V 50Hz/ 3 Phase Variable Speed Control	Frequency Range	2 bar	3 bar	4 bar
First figure: Effective volume flow m³/min (ISO 1217/Annex E) Second figure: Terminal power kW (ISO 1217/Annex E)	100%	55	55	55
		189	218	249
	90%	49.5	49.5	49.5
		170	196	224
	80%	44	44	44
		151	174	199
	70%	38.5	38.5	38.5
		132	153	174
	60%	33	33	33
		113	131	149
	50%	27.5	27.5	27.5
		95	109	125
Test conditions: Suction pressure: 0.1MPa Suction temperature: 20C Suction humidity: 0%	40%	22.0	22.0	22.0
		76	87	100
	30%	16.5	16.5	16.5
		57	65	75
Full load current /380V	A	289	322	367
Full load current /400V		275	298	349
Full load current /415V		265	295	336
Starting current	A	FLC*(1.2~1.5)		
Unload - Terminal power	kW	28 33 37		
Drive Motor				
Nominal motor rating	kW	160 185 200		
Motor type		PM Motor		
Motor enclosure /IP		IP54		
Motor speed Min/Max.	RPM	540/1800	540/1800	540/1800
Frequency range	Hz	36-120	36-120	36-120
Motor efficiency	%	96.1	96.6	97.2
Service factor		1.2	1.2	1.3
Cooling				
Type of cooling		Air Cooled		
Cooling air volume	m³/h	36000		32000
Fan motor rating	kW	4kW*2		
Cooling water flow at 32C	m³/h			
Water Pressure Max./Min	bar			
Water Connection In/Out				
Air End				
Male rotor max speed		1800	1800	1800
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / General data				
Compressed air outlet		DN200		
L x W x H	mm	4300*2200*2200		3400*2220*2100
Weight	kg	8000	6000	
Oil capacity	L	320	180	
Residual oil content	mg/m³	≤3		
Noise level at 1 meter	dB(A)	78±3		
Outlet temperature	°C	≤ Environment temp + 10		