



COMPRESSORS INTERNATIONAL

TECHNICAL INFORMATION SHEET SCR420LBPM

Direct drive Air cooled 380(400,415)V, 50Hz, 3 Phase	BAR	3	4	5
Effective volume flow min/max (ISO 1217/Annex C)	m³/min	3.6-12	3.6-12	3.6-12
Drive Motor				
Nominal motor rating	kW	37	45	55
Motor type		TEFC		
Full load current @380/400/415V	A	77/73/71	84/80/77	103/98/94
Starting current	A	77/73/71	84/80/77	103/98/94
Motor output at shaft	kW	13.5-45	15.3-51	18.3-61
Total input power (incl fan)	kW	14-47	16-53	19-63
Input at no-load	kW	7	8	9
Motor enclosure (IP rating)		IP54		
Motor speed min/max	RPM	450-1500		
Frequency range	Hz	22.5-75		
Motor efficiency	%	95	95.5	96.2
Service factor		1.25	1.25	1.2
Power factor	cos phi	96		
Fan motor rating	kW	1.5		
Cooling air capacity	m³/min	8000		
Air End				
Male rotor diameter	mm	226		
Male rotor speed	1/min	446-1485		
Circumferential speed	m/s	18		
Temperatures				
Ambient temperature range	°C	1-45		
Dimensions / Weights / General data				
Compressed air outlet	Ø	DN80		
L x W x H(compressor/Inverter)	mm	2400x1760x1700		
Weight(compressor/Inverter)	kg	2500		
Oil capacity	l	70		
Residual oil content	mg/m³	≤ 3		
Noise level at 1 meter	dB	70+3dB		
Outlet temperature	°C	≤ Environment temp +10		