



**SM185-4CAI**

Scroll compressors for Air Conditioning and Heat Pump applications with R22 Motor voltage code 4,380-400V/3/50Hz - 460V/3/60Hz.

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Characteristic	Value
Type	SM
Weight	
01. Model number (on compressor nameplate)	SM185S4CC
02. Suction connection	1-5/8" ODF
03. Discharge connection	1-1/8" ODF
04. Suction connection with supplied sleeve	-
05. Discharge connection with supplied sleeve	-
06. Oil sight glass	Threaded
07. Oil equalisation connection	3/8" flare SAE
08. Oil drain connection	1/4" flare
09. LP gauge port	Schrader
10. Internal pressure relief valve	None
11. Cylinders	-
12. Swept volume	249.9 cm <sup>3</sup> /rev
13. Displacement at 50 Hz	43.5 m <sup>3</sup> /h
14. Displacement at 60 Hz	52.5 m <sup>3</sup> /h
15. Nominal speed at 50 Hz	2900 rpm
16. Nominal speed at 60 Hz	3600 rpm
17. Nominal voltage at 50 Hz	380-400V/3/50Hz
18. Nominal voltage at 60 Hz	460V/3/60Hz
19. Voltage range at 50 Hz	340-440 V
20. Voltage range at 60 Hz	414-506 V
21. Winding resistance (between phases)	0.77 Ohm
22. Winding resistance (between phases 1-2)	0.77 Ohm
23. Winding resistance (between phases 1-3)	0.77 Ohm
24. Winding resistance (between phases 2-3)	0.77 Ohm
25. Main winding resistance	-
26. Start winding resistance	-
27. Maximum Continuous Current (MCC)	-
28. Maximum Must Trip current (MMT)	35 A
29. Locked Rotor Current (LRA)	175 A
30. Motor protection	Internal thermostat, ext. overload protector needed
31. Net weight	100 kg
32. Oil charge	6 litre
33. Oil type	Mineral - 160P
34. Approved refrigerants	R22, R417A-160SZ
35. Refrigerant charge limit	14 kg
36. Approvals (CE)	CE certified
37. Approvals (UL)	UL certified (file SA6873)
38. Approvals (CCC)	-
39. Maximum system test pressure LP side	25 bar(g)

40. Maximum system test pressure HP side	32 bar(g)
41. Maximum differential test pressure	24 bar
42. Maximum number of starts per hour	12
43. Packaging	Singlepack
44. Pack quantity	1
45. Parts shipped with compressor	-
46. Parts shipped with compressor	Mounting kit with grommets, bolts, nuts, sleeves and washers
47. Parts shipped with compressor	-