

Performer SZ185S4RC

Specifications

Merk	Performer
Type	SZ185S4RC
Koudemiddel	Freon
Refrigerant type	R407 C or other types
kW at +10°C/+40°C	57
kW at 0°C/+40°C	39
kW at -5°C/+40°C	31,7
Opmerkingen	# // y.o.b. 2006
Afmetingen	600x450x700 mm (LxWxH)
Stock	2



Description

Used Performer SZ185S4RC

Gebrauchter Performer SZ185S4RC Freon Scroll Kompressor. Dieses Gerät hat eine Kühlleistung von 57 kW bei +10 °C/+40 °C.



Datasheet, technical data Performer scroll compressor, type SZ185-4

General Characteristics

	SZ185-4RC	SZ185-4CC
Model number (on compressor nameplate)	SZ185-4RC	SZ185-4CC
Code number for individual packaging**	SZ185-4RM	SZ185-4CM
Code number for multiple packaging**	8551109a	8551056b
Drawing number	8551109a	8551056b
Suction and discharge connections	Rotolock	Brazed
Suction connection	2-1/4" Rotolock	1-5/8" ODF
Discharge connection	1-3/4" Rotolock	1-1/8" ODF
Suction connection with supplied sleeve	1-3/8" ODF	1-1/8" ODF
Discharge connection with supplied sleeve	7/8" ODF	7/8" ODF
Oil sight glass	Threaded	Threaded
Oil equalisation connection	3/8" flare SAE	3/8" flare SAE
Oil drain connection	1/4" NPT	1/4" NPT
LP gauge port	Schrader	Schrader
IPR valve	None	None
Swept volume	249.9 cm ³ /rev	249.9 cm ³ /rev
Displacement @ Nominal speed	43.5 m ³ /h @ 2900 rpm - 52.5 m ³ /h @ 3500 rpm	43.5 m ³ /h @ 2900 rpm - 52.5 m ³ /h @ 3500 rpm
Net weight	103 kg	103 kg
Oil charge	6.2 litre, POE - 160SZ	6.2 litre, POE - 160SZ
Maximum system test pressure Low Side / High side	25 bar(g) / 41 bar(g)	25 bar(g) / 41 bar(g)
Maximum differential test pressure	24 bar	24 bar
Maximum number of starts per hour	12	12
Refrigerant charge limit	13.5 kg	13.5 kg
Approved refrigerants	R407C - R134a - (R404A - R507A)	R407C - R134a - (R404A - R507A)

Electrical Characteristics

Nominal voltage	380-400V/3/50Hz - 400V/3/60Hz
Voltage range	340-440 V @ 50Hz - 414-506 V @ 60Hz
Winding resistance (per phase) +/- 7% at 25°C	9.77 Ohm
Maximum Must Trip current (MMT)	35 A
Locked Rotor Amps (LRA)	175 A
Motor protection	Internal thermostat, ext. overload protector needed

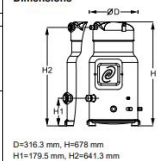
Recommended Installation torques

Oil sight glass	50 Nm
Power connections / Earth connection	3 Nm / 2 Nm
Terminal box cover screws	2.3 Nm
Mounting bolts	21 Nm

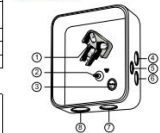
Parts shipped with compressor

Mounting kit with grommets, bolts, nuts, sleeves and washers
Suction & Discharge solder sleeves, rotolock nuts and gaskets (shipped with rotolock version only)
Initial oil charge
Installation instructions

Dimensions



Terminal box



- IP54 (with cable gland)
- 1: Power connection, 3 x 4.8 mm (3/16")
 - 2: Earth M5, torque 2 Nm (17 in.lb)
 - 3: Thermostat connector
 - 4: Knock-out Ø 22 mm (7/8") for 1/2" conduit
 - 5: Knock-out Ø 16.5 mm (5/8")
 - 6: Knock-out Ø 20.5 mm (3/4")
 - 7: Double knock-out Ø 32.1 mm (1.26") & Ø 25.4 mm (1")
 - 8: Double knock-out Ø 44 mm (1.34") for 1-1/4" conduit & Ø 34 mm (1.38") for 1" conduit





COMPRESSOR MODEL DESIGNATION

Performer® scroll compressors are available both as single compressors and as tandem units. The example below presents single compressor nomenclature.

For tandem assemblies, please refer to the Performer® Parallel Application Guidelines documentation.

Nomenclature

Family, lubricant & refrigerant	Nominal capacity	Voltage	Version	Evolution Index
S Z S Y	1 8 5 3 0 0	S A	4 9	R AA
Family, lubricant & refrigerant SM: Scroll, mineral oil, for R-22 SY: Scroll, POE lubricant, for R-22 SZ: Scroll, POE lubricant, for R-407C - R-134a	Nominal capacity in thousand Btu/h at 60 Hz, R-22, ARI conditions	Voltage Motor voltage code: 3: 200-230/3/60 4: 380-400/3/50 - 460/3/60 6: 230/3/50 7: 500/3/50 - 575/3/60 9: 380/3/60	Version Motor protection type Internal overload protector Internal thermostat Electronic protection module	Evolution Index Description Applies to
			V: V: brazed C: C: brazed R: R: rotolock AA: A: brazed A: 24V AB: A: brazed B: 115/230V MA: M: rotolock A: 24V MB: M: rotolock B: 115/230V	S 084 - 090 100 - 110 - 120 148 - 161 S 115 - 125 160 - 175 - 185 S 240* - 300* - 380*

*For this assembly, please contact Danfoss

Connection details

Model	SM/SZ 084 - 090 - 100 110 - 120 - 148 - 161	SM/SZ 115 - 125 - 160 - 175 - 185	SY/SZ 240 - 300		SY/SZ 380	
Version	V	R	C	MA MB	AA AB	AA AB
Suction and discharge connection	brazed	rotolock	brazed	rotolock	brazed	brazed
Oil sight glass	threaded	threaded	threaded	threaded	threaded	threaded
Oil equalization connection	3/8" flare	3/8" flare	3/8" flare	1/2" flare	1/2" flare	1/2" flare
Oil drain connection	-	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Low pressure gauge port (schraeder)	1/4" flare	1/4" flare	1/4" flare	1/4" flare	1/4" flare	1/4" flare