



Technical data and ordering

S Series - Scroll Compressors

Nominal tonnage	Voltage/Phase/Frequency	Competitor Part Nos. ¹		Net weight (lbs.)	Connection size/type (suction x discharge)	Solder sleeve adapter set for Rotolock connectors	R-22		R-407C	
							Danfoss Model No.	Danfoss Code No. ²	Danfoss Model No.	Danfoss Code No. ²
7 ½	200-230/3/60		ZR94KC-TF5	143	1 ¾ x ¾ Braze	7765005	SM090S3VC	SM090-3VI	SZ090S3VC	SZ090-3VI
	460/3/60 400/3/50		ZR94KC-TFD				SM090S4VC	SM090-4VI	SZ090S4VC	SZ090-4VI
9 ½	200-230/3/60	CSHA-093R-0*00 or 0A	ZR108KC-TF5 ZR11M3-TWC	172	1 ¾ x ¾ Braze	120Z0405	SM115S3QC	SM115-3QAI	SZ115S3QC	SZ115-3QAI
	460/3/60 400/3/50	CSHA-093K-0*00 or 0A	ZR108KC-TFD ZR11M3-TWD				SM115S4QC	SM115-4QAI	SZ115S4QC	SZ115-4QAI
10	200-230/3/60	CSHA-100R-0*00 or 0A	ZR125KC-TF5 ZR12M3-TWC	172	1 ¾ x ¾ Braze	120Z0405	SM125S3QC	SM125-3QAI	SZ125S3QC	SZ125-3QAI
	460/3/60 400/3/50	CSHA-100K-0*00 or 0A	ZR125KC-TFD ZR12M3-TWD				SM125S4QC	SM125-4QAI	SZ125S4QC	SZ125-4QAI
12 ½	200-230/3/60	CSHA-125R-0*00 or 0A	ZR16M3-TWC	198	1 ¾ x ¾ Braze	120Z0405	SM160T3CC	SM160-3CBI	SZ160T3CC	SZ160-3CBI
	460/3/60 400/3/50	CSHA-125K-0*00 or 0A	ZR16M3-TWD				SM160T4CC	SM160-4CBI	SZ160T4CC	SZ160-4CBI
14	200-230/3/60	CSHA-140R-0*00 or 0A		220	1 ¾ x 1 ¾ Braze	7765028	SM175S3QC	SM175-3QAI	SZ175S3QC	SZ175-3QAI
	460/3/60 400/3/50	CSHA-140K-0*00 or 0A					SM175S4QC	SM175-4QAI	SZ175S4QC	SZ175-4QAI
15	200-230/3/60	CSHA-150R-0*00 or 0A	ZR190KC-TW5 ZR19M3-TWC	220	1 ¾ x 1 ¾ Braze	7765028	SM185S3QC	SM185-3QAI	SZ185S3QC	SZ185-3QAI
	460/3/60 400/3/50	CSHA-150K-0*00 or 0A	ZR190KC-TWD ZR19M3-TWD				SM185S4QC	SM185-4QAI	SZ185S4QC	SZ185-4QAI

¹ Competitor Model Nos. beginning "ZR" may have different footprint, suction, discharge or height compared to Danfoss Model No.

² Code Nos. ending "QAI" include threaded sight glass, ¾ in. flare SAE oil equalization connection, brazed suction and discharge connections and mounting bracket.

Code Nos. ending "VI" and "CBI" have threaded sight glass, ¾ in. flare SAE oil equalization connection and brazed suction and discharge connections. Use compressor beginning with SM when system will use R-22; use compressor beginning with SZ when retrofitting system to R-407C. For additional information, see Danfoss Literature No. DKRCC.PE.000.H1.02 (<http://bit.ly/RefrigerantRetrofits>)

Full range of models (refrigerants, tons, and voltage codes) available. Check Coolselector or visit our Online Datasheet Generator at www.danfoss.com/odsg.

Spare Parts and Accessories

Description	Type(s) applied to	Danfoss Code No.
Solder sleeve adapter set (1 ¾ in. rotolock, 1 ½ in. ODF), (1 ¼ in. rotolock, ¾ in. ODF)	SH090	120Z0125
Solder sleeve adapter set (1 ¾ in. rotolock, 1 ¾ in. ODF), (1 ¼ in. rotolock, ¾ in. ODF) *diameter restrictor	SM115, 125, 160, DSH105, 120, 140, 161, 184	7765006
Solder sleeve adapter set (1 ¾ in. rotolock, 1 ¾ in. ODF), (1 ¼ in. rotolock, ¾ in. ODF)	SM115, 125, SZ115, 125, DSH105, 120, 140, 161, 184	120Z0405
Solder sleeve adapter set (2 ¾ in. rotolock, 1 ¾ in. ODF), (1 ¾ in. rotolock, ¾ in. ODF)	SM160, 175, 185, SZ160, 175, 185, DSH240, 295, 380, 381	7765028
Motor protection module, 24V AC	SM115, 125, 160, 185	120Z0584
Electrical module 115/230V	DSH 240, 295, 380	120Z0585
Belt type crankcase heater; 65W, 460V	SM115, 125, 160, DSH090, 105, 120, 140, 161, 175, 184	120Z0466
Belt type crankcase heater; 65W, 110V		7773109
Belt type crankcase heater; 65W, 230V		7773107
Belt type crankcase heater; 65W, 400V		7773117
Belt type crankcase heater; 65W, 400V		120Z0039
Belt type crankcase heater; 75W, 110V	SM175, 185, DSH240, 295	7773110
Belt type crankcase heater; 75W, 230V		7773108
Belt type crankcase heater; 75W, 400V		7773118
Belt type crankcase heater; 75W, 460V		120Z0464
Belt type crankcase heater; 130W, 110V		7773121
Belt type crankcase heater; 130W, 230V	DSH380	7773122
Belt type crankcase heater; 130W, 400V		7773123
Service kit for terminal box; includes cover, clamp, terminal block connector	DSH090, 105, 120, 140, 161	8156135
Terminal box, including cover	SM115, 125, 160, 175, 185	8156139
Terminal box cover	DSH140-3, 161-3, 184, 175	120Z0413
Terminal box, including cover	DSH240, 295, 380	120Z0458
Oil sight glass with gaskets	SM090, 115, 125, 160, 175, 185	8156019
Mounting kit for 1 compressor: 4 grommets, 4 sleeves, 4 bolts, 4 washers	SM115-185	8156138
Mounting kit for 1 compressor: 4 grommets, 4 sleeves, 4 bolts, 4 washers	DSH090, 105, 120, 140, 161, 175, 184	120Z0066
Mounting kit for 1 compressor: 4 rigid grommets, 4 sleeves, 4 bolts, 4 washers	DSH240, 295, 380	7777045
Mineral oil, 160P; 2 liter can	all SM, SZ	7754001
Mineral oil, 160P; 5 liter can	all SM, SZ	7754002
Blue spray paint	all	8154001
Oil equalization adaptor. To connect ¾ in. tube on 22mm oil sight glass connection; includes (1) 22mm to ¾ in., (2) gaskets.	all SM, SZ, DSH	120Z0164
Oil equalization adaptor. To connect ½ in. tube on 22mm oil sight glass connection; includes (1) 22mm to ½ in., (2) gaskets.	all SM, SZ, DSH	120Z0165
Oil equalization adaptor kit for trio mounting; oil fittings, gasket and adaptors (copper pipes not included)	SM 160, 185	7773112