

DANFOSS COMPRESSOR SPARES

Relays and Overloads

Compressor Model	LST Relay (no capacitor)	List Price Excl GST	HST Relay (requires capacitor)	List Price Excl GST	Start Capacitor (required with HST relay option)	List Price Excl GST
R404A Low Temperature						
TL4CL	-	-	117U6000	P.O.A.	117U5014	60uF \$68.18
FR6CL	-	-	117U6015	\$53.86	117U5015	80uF \$68.18
FR7.5CL	-	-	117U6016	\$56.36	117U5015	80uF \$68.18
FR8.5CL	-	-	117U6010	\$53.86	117U5015	80uF \$68.18
NL7CLX	103N0011	\$72.19	117U6002	\$53.86	117U5015	80uF \$68.18
SC10CL	-	-	117U6003	\$57.26	117U5017	80uF \$68.32
SC10CLX	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC12CL	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC15CL	-	-	117U6019	\$53.86	117U5017	80uF \$68.32
SC18CL	-	-	1177012	CSR Starting Device (Relay & Capacitor assy)		\$355.01
SC21CL	-	-	1177012	CSR Starting Device (Relay & Capacitor assy)		\$355.01
GS26CLX	-	-	1177056	CSR Starting Device (Relay & Capacitor assy)		\$170.35
GS34CLX	-	-	1177056	CSR Starting Device (Relay & Capacitor assy)		\$170.35
R404A Medium Temperature						
TL4DL	-	-	117U6001		117U5014	60uF \$58.06
FR6DL	-	-	117U6010		117U5015	80uF \$53.86
NF7MLX	-	-	117U4139		117U5018	125uF \$61.43
SC10DL	-	-	117U6005		117U5017	80uF \$53.86
SC10MLX	-	-	117U6011		117U5017	80uF \$53.86
SC12MLX	-	-	117U6011		117U5017	80uF \$53.86
SC12DL	-	-	117U6019		117U5017	80uF \$53.86
SC15MLX	-	-	117U6013		117U5012	125uF P.O.A.
SC15DL	-	-	1177028	CSR Starting Device (Relay & Capacitor assy)		\$355.71
SC18MLX	-	-	1177012	CSR Starting Device (Relay & Capacitor assy)		\$355.01
GS21MLX	-	-	1177070	CSR Starting Device (Relay & Capacitor assy)		P.O.A.
GS26MLX	-	-	1177072	CSR Starting Device (Relay & Capacitor assy)		P.O.A.
GS34MLX	-	-	1177056	CSR Starting Device (Relay & Capacitor assy)		\$170.35
R134A Low Temperature						
PL50F	103N0011	\$72.19	-	-	-	-
TL4F	103N0011	\$72.19	117U6009	P.O.A.	117U5014	60uF \$68.18
TL5F	103N0011	\$72.19	117U6004	P.O.A.	117U5014	60uF \$68.18
TLS6F	103N0011	\$72.19	117U6004	P.O.A.	117U5014	60uF \$68.18
NL6F	103N0011	\$72.19	117U6004	P.O.A.	117U5015	80uF \$68.18
NL7F	103N0011	\$72.19	117U6000	P.O.A.	117U5015	80uF \$68.18
NL8F	103N0011	\$72.19	117U6001	\$58.06	117U5015	80uF \$68.18
NL9F	103N0011	\$72.19	117U6001	\$58.06	117U5015	80uF \$68.18
NL11F	103N0011	\$72.19	117U6002	\$53.86	117U5015	80uF \$68.18
SC15F	103N0002	\$56.42	117U6003	\$57.26	117U5017	80uF \$68.32
SC18F	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC21F	-	-	117U6019	\$53.86	117U5017	80uF \$68.32

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R134A Medium Temperature						
PL35G	103N0011	\$72.19	117U6021	P.O.A.	117U5014	60uF \$68.18
TL3F	103N0011	\$72.19	117U6007	P.O.A.	117U5014	60uF \$68.18
TL3G	103N0011	\$72.19	117U6009	P.O.A.	117U5014	60uF \$68.18
TL4G	103N0011	\$72.19	117U6004	P.O.A.	117U5014	60uF \$68.18
TL5G	103N0011	\$72.19	117U6000	P.O.A.	117U5014	60uF \$68.18
FR6G	103N0011	\$72.19	117U6000	P.O.A.	117U5015	80uF \$68.18
FR7.5G	103N0011	\$72.19	117U6001	\$58.06	117U5015	80uF \$68.18
FR8.5G	103N0011	\$72.19	117U6015	\$53.86	117U5015	80uF \$68.18
FR10G	103N0011	\$72.19	117U6010	\$53.86	117U5015	80uF \$68.18
FR11G	103N0011	\$72.19	117U6010	\$53.86	117U5015	80uF \$68.18
SC10G	103N0002	\$56.42	117U6002	\$53.86	117U5017	80uF \$68.32
SC12G	103N0002	\$56.42	117U6003	\$57.26	117U5017	80uF \$68.32
SC15G	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC18G	-	-	117U6019	\$53.86	117U5017	80uF \$68.32
SC21G	-	-	1177028	CSR Starting Device (Relay & Capacitor assy)		\$355.71
SC21MFX	-	-	1177038	CSR Starting Device (Relay & Capacitor assy)		P.O.A.
GS26MFX	-	-	1177055	CSR Starting Device (Relay & Capacitor assy)		P.O.A.
GS26GHX	-	-	1177070	CSR Starting Device (Relay & Capacitor assy)		P.O.A.
GS34MFX	-	-	1177056	CSR Starting Device (Relay & Capacitor assy)		\$170.35
R22 Low Temperature						
SC10C	-	-	117U6003	\$57.26	117U5017	80uF \$68.32
SC12C	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC15CM	-	-	117U6019	\$53.86	117U5017	80uF \$68.32
SC15BM	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC18CM	-	-	1177012	CSR Starting Device (Relay & Capacitor assy)		\$355.01
SC18BM	-	-	1177012	CSR Starting Device (Relay & Capacitor assy)		\$355.01
R22 Medium Temperature						
SC10D	-	-	117U6005	\$53.86	117U5017	80uF \$68.32
SC12D	-	-	117U6011	\$53.86	117U5017	80uF \$68.32
SC15D	-	-	1177010	CSR Starting Device (Relay & Capacitor assy)		P.O.A.



DANFOSS SCROLL COMPRESSORS

Scroll Compressors Specifications

Airefrig Part Number	Stub Tube Connections		Run Capacitor (PSC start)	High Start Torque - Option (items not stocked)		Crankcase Heater (Belt Type)	PVE Oil (320HV) charge
	Suction	Discharge		Relay	Start Capacitor		
HRP034T5LP6	3/4" ODF	1/2" ODF	120Z0051 (70uF / 370v)	3ARR3*3AL*	145-175uF / 330v	120Z0055 40watt 230volt	1.0 litre
HRP034T4LP6	3/4" ODF	1/2" ODF	-	-	-		1.0 litre
HRP040T5LP6	3/4" ODF	1/2" ODF	120Z0051 (70uF / 370v)	3ARR3*3AL*	145-175uF / 330v		1.0 litre
HRP040T4LP6	3/4" ODF	1/2" ODF	-	-	-		1.0 litre
HRP047T5LP6	7/8" ODF	1/2" ODF	120Z0050 (60uF / 370v)	3ARR3*3AL*	145-175uF / 330v		1.0 litre
HRP047T4LP6	7/8" ODF	1/2" ODF	-	-	-		1.0 litre
HRP054T4LP6	7/8" ODF	1/2" ODF	-	-	-	120Z0057 50watt 230volt	2.0 litres
HRP060T5LP6	7/8" ODF	1/2" ODF	8173234 (55uF / 440v)	3ARR3*25AS*	88-108uF / 330v		2.0 litres
HRP060T4LP6	7/8" ODF	1/2" ODF	-	-	-		2.0 litres
HLP068T5LP6	7/8" ODF	1/2" ODF	8173234 (55uF / 440v)	3ARR3*25AS*	88-108uF / 330v		2.0 litres
HLP068T4LP6	7/8" ODF	1/2" ODF	-	-	-		2.0 litres
HLP072T4LC6	7/8" ODF	1/2" ODF	-	-	-		2.0 litres
HLP075T4LC6	7/8" ODF	1/2" ODF	-	-	-	120Z0059 70watt 230volt	2.0 litres
HLP081T4LC6	7/8" ODF	3/4" ODF	-	-	-		2.0 litres
HCP094T4LC6	1-1/8" ODF	7/8" ODF	-	-	-		3.0 litres
HCP109T4LC6	1-1/8" ODF	7/8" ODF	-	-	-		3.0 litres
HCP120T4LC6	1-1/8" ODF	7/8" ODF	-	-	-	3.0 litres	

Note: Crankcase heaters are not supplied with compressors & should be purchased separately if required.

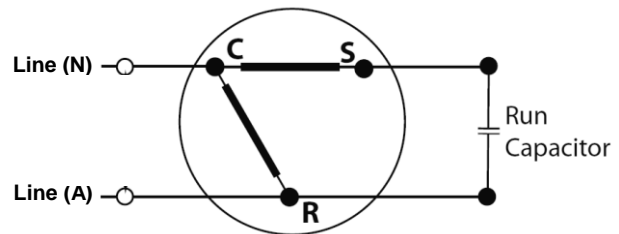
Electrical Connections: Danfoss scroll compressors are designed to operate without any assistance if running within the defined nominal voltage. PSC wiring is sufficient (see below)

Single Phase - PSC Wiring

PSC Wiring

The start winding (C-S) of the motor remains in circuit through the permanent (run) capacitor.

This permanent (run) capacitor is connected between the start winding (C-S) and the run winding (C-R).



Single Phase - CSR Wiring

CSR Wiring

If start assist is required, in case of operating below nominal voltage, a CSR starting device is required.

During start-up, the start winding (C-S) is energised through an electromagnetic potential relay and a start capacitor.

A permanent (run) capacitor is wired between the start winding (C-S) and the run winding (C-R).

