

Datasheets

Danfoss scroll compressors SM / SY / SZ / SH / WSH



FRCC.UD.180315.130844

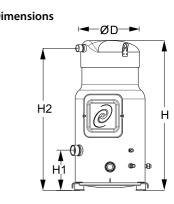
Datasheet, technical data

Danfoss scroll compressor, SZ185-4

Jantoss

General Characteristics

| Model number (on compressor nameplate) | SZ185S4RC | SZ185S4CC | | | |
|---|---|----------------|---|--|--|
| Code number for Singlepack* | SZ185-4RI | SZ185-4CAI | | | |
| Code number for Industrial pack** | SZ185-4RM | SZ185-4CAM | 0 | | |
| Drawing number | 8551119b | 8551056c | | | |
| 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 | | | | |
| Discharge connection with supplied sleeve | 7/8 " ODF | | | | |
| Oil sight glass | Threaded | Threaded | | | |
| Oil equalisation connection | 3/8" flare SAE | 3/8" flare SAE | | | |
| Oil drain connection | 1/4" flare | 1/4" flare | | | |
| LP gauge port | Schrader | Schrader | | | |
| IPR valve | None | None | | | |
| Swept volume | 249.9 cm3/rev | | | | |
| Displacement @ Nominal speed | 43.5 m3/h @ 2900 rpm - 52.5 m3/h @ 3500 rpm | | | | |
| Net weight | 100 |) kg | C | | |
| Oil charge | 6.2 litre, PC | DE - 160SZ | H | | |
| Maximum system test pressure Low Side / High side | 25 bar(g) / | ′ 32 bar(g) | H | | |
| Maximum differential test pressure | 24 | bar | F | | |
| Maximum number of starts per hour | 1 | 2 | ŀ | | |
| Refrigerant charge limit | 13.5 | 13.5 kg | | | |
| Approved refrigerants | R407C, R134a, R404A, R507A | | | | |



=317 mm =678 mm l=180 mm 2=643 mm 3=- mm

Electrical Characteristics

| Nominal voltage | 380-400V/3/50Hz - 460V/3/60Hz |
|--|---|
| Voltage range | 342-440 V @ 50Hz - 414-506 V @ 60Hz |
| Winding resistance (between phases) +/- 7% at 25°C | 0.77 Ω |
| Maximum Must Trip current (MMT) | 35 A |
| Locked Rotor Amps (LRA) | 175 A |
| Motor protection | Internal thermostat, ext. overload protector needed |

Recommended Installation torgues

| Suction Rotolock nut or valve | 130 Nm | |
|--------------------------------------|-------------|----|
| Discharge Rotolock nut or valve | 110 Nm | |
| Oil sight glass | 50 Nm | |
| Power connections / Earth connection | 3 Nm / 2 Nm | |
| Terminal box cover screws | 2.3 Nm | IP |
| Mounting bolts | 21 Nm | 1: |
| | • | 2: |

Parts shipped with compressor

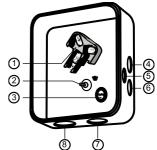
Mounting kit with grommets, bolts, nuts, sleeves and washers Initial oil charge Installation instructions

Approvals : CE certified, UL certified (file SA6873), -

*Singlepack: Compressor in cardboard box

**Industrial pack: 6 Unboxed compressors on pallet (order per multiples of 6)

Terminal box



954 (with cable gland)

Power connection, 3 x 4.8 mm (3/16") Earth M5

- 3:
- Thermostat connector Knock-out Ø 22 mm (7/8") for 1/2" 4:
- conduit 5: Knock-out Ø 16.5 mm (0.65")
- 6: Knock-out Ø 20.5 mm (0.81") 7:
 - Double knock-out Ø 32.1 mm (1.26") &Ø 25.4 mm (1'')
- Double knock-out Ø 44 mm (1-3/4") 8: for 1-1/4" conduit & Ø 34 mm (1-3/8") for 1" conduit



Danfoss scroll compressor, SZ185-4

Datasheet, accessories and spare parts

| Rotlock accessories, suction sideCode no.Solder diesew, P08 (2-1/4" Rotolock, 1-34" CODP)B133005Botolock valve, V03 (2-1/4" Rotolock, 1-34" CODP)B168025Botolock valve, V03 (2-1/4" Rotolock, 1-34" CODP)B168025Salver, 2-14"B156133Potolock accessories, discharge sideCode no.Solder sieve, P07 (1-34" Rotolock, 716" COP)B153013Angle adapter, C07 (1-34" Rotolock, 716" COP)B168022Rotolock valve, V07 (1-34" Rotolock, 716" COP)B168022Rotolock valve, V07 (1-34" Rotolock, 78" COP)B168022Casket, 134"Code no.Potolock valve, V07 (1-34" Rotolock, 71/8" COP)7793010Bastar, 134"B169023Rotolock valve, V07 (1-34" Rotolock, 71/8" COP)7793010Casket, 114", 134', 21/4", 056 gaskets black & whiteB15913Coll / ubricantsCode no.POE lubricant, 1665Z, 11tre can POE lubricant, 1665Z, 21 thre can POE lubricant, 1665Z, 23 thre can10202876Bittype canckase hoster, 757 W400 V, CE mark, UL Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + botom insulatio | | | |
|---|--|----------|---------------------------------|
| Solder sleeve, P31 (21/4* Protolock, 1-56° ODF) Rotolock valve, V08 (2-1/4* Protolock, 1-56° ODF) Rotolock valve, V08 (2-1/4* Protolock, 1-56° ODF) Rotolock valve, V08 (2-1/4* Protolock, 1-56° ODF) Solder sleeve, P37 (1-3/4* Protolock, 78° ODF) Solder sleeve, P37 (1-3/4* Protolock, 78° ODF) Rotolock valve, V07 (1-3/4* Protolock, 1-16° ODF) Solder sleeve adapter set, (2-1/4° Rotolock, 1-16° ODF) Casket, 1-3/4° Rotolock valve, V07 (1-3/4* Protolock, 1-16° ODF) Casket set, 1-1/4°, 1-3/4°, 2-1/4°, OSG gaskets black & white Rotolock valve , V07 (1-3/4* Protolock, 1-16° ODF) Casket set, 1-1/4°, 1-3/4°, 2-1/4°, OSG gaskets black & white Rotolock valve Rotolock v | Rotolock accessories, suction side | Code no. | |
| Incolock valve, V08 (2-1/4* Rotolock, 1-3/8* ODF) B168025 B168025 Rotolock valve, V03 (2-1/4* Rotolock, 1-5/8* ODF) B158026 B168025 Solder sleeve, P07 (1-3/4* Rotolock, 7/8* ODF) B153013 B15013 Angle adapter, C02 (1-3/4* Rotolock, 7/8* ODF) B158003 B168005 Angle adapter, C02 (1-3/4* Rotolock, 7/8* ODF) B168005 B168008 Angle adapter, C02 (1-3/4* Rotolock, 7/8* ODF) B168005 B168008 Rotolock valve, V02 (1-3/4* Rotolock, 7/8* ODF) B168005 B168002 Rotolock valve, V02 (1-3/4* Rotolock, 1-1/8* ODF) B168002 B166028 Solder sleeve adapter set Solder sleeve adapter set Solder sleeve adapter set Solder sleeve adapter set 7755022 7703010 Solder sleeve adapter set 7754023 200571 OII / lubricants Code no. 11.8000ck adapter [Suc & DIs) Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 3.50168 stells Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 3.50168 stells Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 3.50168 stells Bet type crankcase heater, 75 W, 40 V, CE mark, UL | Solder sleeve, P08 (2-1/4" Rotolock, 1-3/8" ODF) | 8153005 | |
| notolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF) Gasket, 2-1/4"8166005 8156133Rotolock accessories, discharge side Code no.Code no.Solder sieve, PO (1-3/4" Rotolock, 78" ODF) Angle adapter, CO (1-3/4" Rotolock, 1-1/8" ODF) Angle adapter, CO (1-3/4" Rotolock, 1-1/8" ODF) B166005 Rotolock walve, W02 (1-3/4" Rotolock, 1-1/8" ODF)8166005 B | Solder sleeve, P03 (2-1/4" Rotolock, 1-5/8" ODF) | 8153006 | |
| Gasket, 2-1/4*8156133Rotolock accessories, discharge sideCode no.Solder sleeve, POT (1-3/4 Rotolock, 7/8* ODF)8153013Angle adapter, COT (1-3/4 Rotolock, 7/8* ODF)8158008Angle adapter, COT (1-3/4* Rotolock, 7/8* ODF)8168005Rotolock valve, VOZ (1-3/4* Rotolock, 1-1/8* ODF)8168005Rotolock valve, VOZ (1-3/4* Rotolock, 1-1/8* ODF)8168002Rotolock valve, VOZ (1-3/4* Rotolock, 1-1/8* ODF)8168002Rotolock valve, VOZ (1-3/4* Rotolock, 1-1/8* ODF)8168002Rotolock valve, VOZ (1-3/4* Rotolock, 1-1/8* ODF)7705028Solder sleeve adapter set2. Solder sleeve adapter setSolder sleeve adapter set7754023POE lubricant, 1065Z, 11re can7754023POE lubricant, 1065Z, 2. Silter can12020371Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL12020377Belt type crankcase heater, 75 W, 460 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 460 V, CE mark, UL7755007Acoustic hood for scroll compressor f375-51857705007Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers 3 hooting lift for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers 3 hooting lift for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers 3 coustic bottom insulation for x-coll compressor i | Rotolock valve, V08 (2-1/4" Rotolock, 1-3/8" ODF) | 8168025 | Gaskets, sleeves and nuts |
| Code roleCode no.Solder sleeve, PQ7 (1-3/4* Rotolock, 7/8* ODF)8153013Solder sleeve, PQ7 (1-3/4* Rotolock, 7/8* ODF)8153004Angle adapter, CQ2 (1-3/4* Rotolock, 1-1/8* ODF)8168008Rotolock valve, VQ7 (1-3/4* Rotolock, 1-1/8* ODF)8168008Rotolock valve, VQ2 (1-3/4* Rotolock, 1-1/8* ODF)8168002Rotolock valve, VQ2 (1-3/4* Rotolock, 1-1/8* ODF)8168002Rotolock valve, VQ2 (1-3/4* Rotolock, 1-1/8* ODF)8168002Solder sleeve adapter set, (2-1/4* Rotolock, 1-1/8* ODF)7795010Solder sleeve adapter set, (2-1/4* Rotolock, 1-1/8* ODF)7795028Yalve set, V08 (2-1/4*-1-3/8*), V07 (1-3/4** Rotolock, 1*1/8 ODF)7795028Solder sleeve adapter set, (2-1/4*, 1-3/4*, 2-1/4*, OSG gaslets black & white8156132Cole no.10202571Cole IubricantsCode no.POE lubricant, 16052, 1 litre can12020571Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020376Bet type cranksase heater, 73 W, 400 V, CE mark, UL12020376Bet type cranksase heater, 73 W, 400 V, CE mark, UL12020376Bet type cranksase heater, 73 W, 400 V, CE mark, UL12020376Bet type cranksase heater, 73 W, 400 V, CE mark, UL12020378Bit type cranksase heater, 73 W, 400 V, CE mark, UL12020378Bit type cranksase heater, 73 W | Rotolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF) | 8168026 | |
| Solder sleeve, P07 (1-3/4* Rotolock, 7/8* ODF) 8153013 Angle adapter, C02 (1-3/4* Rotolock, 7/8* ODF) 8156008 Angle adapter, C02 (1-3/4* Rotolock, 7/8* ODF) 8166008 Botolock valve, V02 (1-3/4* Rotolock, 7/8* ODF) 8166002 Botolock valve, V02 (1-3/4* Rotolock, 7/8* ODF) 8166002 Botolock valve, V02 (1-3/4* Rotolock, 7/8* ODF) 8166002 Botolock valve, V02 (1-3/4* Rotolock, 1-5/8* ODF) 8166002 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF) 7763010 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF) 7763028 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF) 7763028 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF) 7763028 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF) 7763028 POE lub/cinct, 16052, 11/8* can 77740310 Sufface sump heater + botom insulation, 56 W, 24 V, CE mark, UL 12020376 Sufface sump heater + botom insulation, 56 W, 24 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE | Gasket, 2-1/4" | 8156133 | |
| Solder sleeve, P07 (1-3/4* Rotolock, 7/8° ODF) 8153013 Angle adapter, C02 (1-3/4* Rotolock, 7/8° ODF) 8153004 Angle adapter, C02 (1-3/4* Rotolock, 7/8° ODF) 8168008 Botolock valve, V02 (1-3/4* Rotolock, 7/8° ODF) 8168002 Botolock valve, V02 (1-3/4* Rotolock, 7/8° ODF) 8168002 Botolock valve, V02 (1-3/4* Rotolock, 7/8° ODF) 8168022 Botolock valve, V02 (1-3/4* Rotolock, 7/8° ODF) 8168022 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8° ODF) 7765028 Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8° ODF) 7765028 Yalve set, V08 (2-1/4*-N28°), V07 (1-3/4*-7/8°) 7763010 Saket set, 1-1/4*, 1-3/4*, 2-1/4*, OSG gaskets black & white 8156013 OII / Lubricants Code no. POE lubricant, 16052, 11 litre can 7757023 POE lubricant, 16052, 11 litre can 12020376 Surface sump heater + botom insulation, 56 W, 24 V, CE mark, UL 12020378 Surface sump heater + botom insulation, 56 W, 400 V, CE mark, UL 12020376 Surface sump heater + botom insulation, 56 W, 400 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 12020373 | | | |
| Solder sleeve, PO2 (1-3/4* Rotolock, 1-1/8* ODF)B15300412Angle adapter, CO2 (1-3/4* Rotolock, 71/8* ODF)B168005Rotolock valve, VO2 (1-3/4* Rotolock, 1-1/8* ODF)B168005Rotolock valve, VO2 (1-3/4* Rotolock, 1-1/8* ODF)B168028Basket, 1-3/4*B156132Solder sleeve adapter set, C1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7765028Solder sleeve adapter set, C1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7765028Solder sleeve adapter set, C1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7765028Solder sleeve adapter set, C1/4* Rotolock, 1-1/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7756028Solder sleeve adapter set, C1/4* Rotolock, 1*1/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7756028Solder sleeve adapter set, C1/4* Rotolock, 1*1/8* ODF), (1-3/4* Rotolock, 1*1/8* ODF)7756028Solder sleeve adapter set, 1*1/4*, 1-3/4*, 2-1/4*, OSG, gaskets black & white8156013OLI / LubricantsCode no.1*POE lubricant, 16052, 25 litre can7754023Surface sump heater + bottom insulation, 56 W, 220 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 020 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 260 V, CE mark, UL7775007Rocoustic hood for scroll compressor SIT5-51857755007Acoustic hood for scroll compressor SIT5-51857755007Rocoustic hood for scroll compressor SIT5-51858156137Rotolock nuts, 2-adder sleeves, 2 abolts, 48156137Solder sleeves, 2 abolts, 48156199Rister (a)< | Rotolock accessories, discharge side | Code no. | |
| Angle adapter, C07 (1-3/4* Rotolock, 718* 00F) 8168008 1 2 3 Angle adapter, C07 (1-3/4* Rotolock, 718* 00F) 8168002 1: Gasket 2: Solder sleve adapter set, 21-1/4* Rotolock valve, V02 (1-3/4* Rotolock, 175* 00F) 8168002 8168002 3: Rotolock nut Rotolock valve, V02 (1-3/4* Rotolock, 175* 00F) 8168022 3: Rotolock nut 3: Rotolock nut Rotolock valve, V02 (1-3/4* Rotolock, 1-5/8* 00F), (1-3/4* Rotolock, 1*1/8 00F) 7756028 3: Rotolock nut Solder sleve adapter set, (2-1/4*), 1-3/4*, 2-1/4*, 0SG gaskets black & white 8156013 Solder sleve adapter set, 2-1/4*, 1-3/8*, 2-1/4*, 0SG gaskets black & white 8156013 Oil / Ubricant, 1605Z, 1 litre can 7754023 7075028 1: Rotolock adapter Suc & Dis) Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020377 2: Gasket (Suc & Dis) 2: Gasket (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 00 V, CE mark, UL 12020377 3: Solder sleve slow & Dis) 3: Solder sleve slow & Dis) Surface sump heater + bottom insulation, 56 W, 00 V, CE mark, UL 12020377 3: Solder sleve slow & Dis) Bet type crankcase heater, 75 W, 230 V, CE mark, UL 12020377 3: Solder sleve slow & Dis) Acoustic hooft on Surf Lint MC125 C <t< td=""><td>Solder sleeve, P07 (1-3/4" Rotolock, 7/8" ODF)</td><td>8153013</td><td></td></t<> | Solder sleeve, P07 (1-3/4" Rotolock, 7/8" ODF) | 8153013 | |
| Angle adapter, C02 (1-3/4* Rotolock, 1-1/8* ODF) 81 86003 1: Gasket Rotolock valve, V07 (1-3/4* Rotolock, 7/8* ODF) 81 86032 1: Gasket Casket, 1-3/4* 81 56132 3: Rotolock valve, V07 (1-3/4* Rotolock, 1-5/8* ODF) 3: Rotolock valve, V07 (1-3/4* Rotolock, 1-5/8* ODF) Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8 ODF) 7750301 3: Rotolock nut Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8 ODF) 7750301 8: Rotolock nut Oil / Lubricant, 1605Z, 11/4* - 1-3/8*, V07 (1-3/4* -7/8*) Code no. 5: Rotolock adapter set Oil / Jubricant, 1605Z, 2.5 litre can 7754023 1020376 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 3: Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL 12020376 3: Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020378 3: Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020378 3: Solder sleeve (Suc & Dis) Belt type crankcase heater, 75 W, 460 V, CE mark, UL 12020378 3: Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, for scroll compressor 17: Solor | Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF) | 8153004 | |
| Partolock valve, V07 (1-3/4* Rotolock, 1-1/8* ODF) Rotolock valve, V02 (1-3/4* Rotolock, 1-1/8* ODF) Rotolock valve, V02 (1-3/4* Rotolock, 1-1/8* ODF) Rotolock accessories, setsI: Gasket B156132I: Gasket Solder sleeve Solder sleeve Rotolock accessories, setsSolder sleeve Rotolock accessories, setsSolder sleeve Rotolock accessories, setsSolder sleeve Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF)I: Gasket Rotolock accessories, setsSolder sleeve Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF) Rotolock accessories, setsSolder sleeve Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF)I: Gasket Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF)I: Gasket Rotolock accessoriesSolder sleeve Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF)I: Gasket Rotolock 1-1/8* ODF) Rotolock 1-1/8* ODF)I: Gasket Rotolock accessoriesSolder sleeve Rotolock adapter set Rotolock adapter setOil / lubricant.Code no.12020371I: Rotolock adapter (Suc & Dis)I: Rotolock adapter (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020376 Rotolock adapter (Suc & Dis)I: Rotolock adapter (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020377 Rotolock abeter, 75 W, 400 V, CE mark, ULI: Rotolock adapter (Suc & Dis)Belt type crankcase heater, 75 W, 400 V, CE mark, UL12020376 Rotolock nut (Suc & Dis)I: Rotolock nut (Suc & Dis)Belt type crankcase heater, 75 W, 400 V, CE mark, UL12020376 Rotolock nut (Suc & Dis)I: Rotolock nut (Suc & Dis)Mounting kit MI, MCI 25 C Rocust hoot for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, Rotolock | Angle adapter, C07 (1-3/4" Rotolock, 7/8" ODF) | 8168008 | 1 2 3 |
| Rotolock valve, V02 (1-3/4* Rotolock, 1-1/8* ODF)8 168028 8 1561322 Solder sleeve 3. Rotolock nutRotolock accessories, setsCode no.Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8 ODF)7750208 77503010 8156013Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1/8 ODF)Oil / lubricant, 16052, 1 litre can POE lubricant, 16052, 2.5 litre canCode no.Solder sleeve adapter set, (2-1/4* Rotolock, 1*1/8 ODF)Oil / lubricant, 16052, 2.5 litre can7754023 120203711: Rotolock adapter (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 120203761: Rotolock adapter (Suc & Dis) 2: Gasket (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 120203761: Rotolock adapter (Suc & Dis) 4: Rotolock nut (Suc & Dis)Belt type crankcase heater, 75 W, 240 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL 120203761: Rotolock adapter (Suc & Dis)Mounting kit for 1 scroll compressor SI75-51 R5 Acoustic hod for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 totolock nuts, 2 solder sleeves, 2 subets8156137Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 totolock nut, 2 solder sleeves, 2 gaskets8156119 31561191: Bolt (Ax) 31621Code no. 10 isight glass (white seflon) Casket for oil sight glass (white reflon) Casket for oil sight glass (white reflon) <td>Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF)</td> <td>8168005</td> <td></td> | Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168005 | |
| Gasket, 1-3/4* B156132 3. Rotolock nut Rotolock accessories, sets Code no. Solder sleeve adapter set, (2-1/4*-1-3/8*), V07 (1-3/4**Rotolock, 1*7/8 ODF), (1-3/4**Rotolock, 1*7/8 ODF) 7765028 Solder sleeve adapter set, (2-1/4*-1-3/8*), V07 (1-3/4**-7/8*) 8156013 Gasket set, 1-1/4*, 1-3/8*), V07 (1-3/4**-7/8*) 8156013 Obi / Lubricant Code no. POE lubricant, 16052, 2.5 litre can 12020571 Crankcase heaters Code no. Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 200 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020378 Bit type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Bit type crankcase heater, 75 W, 400 V, CE mark, UL 12020378 Bit type crankcase heater, 75 W, 400 V, CE mark, UL 12020376 Sourge thery bottom insulation for scroll compressor 7755007 Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 12020333 1156138 Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nut, 2 solder sleeve, Suc 2 stols | Rotolock valve, V07 (1-3/4" Rotolock, 7/8" ODF) | 8168032 | 1: Gasket |
| Rotolock accessories, sets Code no. Solder sleeve adapter set, (2-1/4* Rotolock, 1-5/8* ODF), (1-3/4* Rotolock, 1*1//8 ODF) 7765028 Valve set, V08 (2-1/4*-1-3/8*), V07 (1-3/4*-7/8*) 7703010 Gasket set, 1-1/4*, 1-3/4*, 2-1/4*, OSG gaskets black & white 8156013 Oil / lubricant, 16052, 2-1 litre can 7754023 1 POE lubricant, 16052, 2-1 litre can 7754023 1 2 3 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 2 3 5older sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL 12020376 3 Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL 12020376 3 Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL 12020377 3 Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL 12020377 3 Solder sleeve (Suc & Dis) Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775108 7755007 3 Solder sleeve (Suc & Dis) Surface sump heater + bottom insulation for scroll compressor 12020378 12020333 1 Bitofi13 B | Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168028 | 2: Solder sleeve |
| Solder sleeve adapter set, (2-1/4", Rotolock, 1-5/8" ODF), (1-3/4" Rotolock, 1"1/8 ODF) 7765028 Valve set, V08 (2-1/4"13/8"), V07 (1-3/4"-7/8") 77503010 Casket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white 8156013 Oil / lubricants Code no. POE lubricant, 16052, 1 litre can 7754023 POE lubricant, 16052, 2.5 litre can 7754023 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020370 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 7773108 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775007 Starface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 7775007 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775007 Surface sump heater + bottom insulation for scroll compressor 12020353 Discharge thermostat kit 7755007 Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 120007 </td <td>Gasket, 1-3/4"</td> <td>8156132</td> <td>3: Rotolock nut</td> | Gasket, 1-3/4" | 8156132 | 3: Rotolock nut |
| Solder sleeve adapter set, (2-1/4", Rotolock, 1-5/8" ODF), (1-3/4" Rotolock, 1"1/8 ODF) 7765028 Valve set, V08 (2-1/4"13/8"), V07 (1-3/4"-7/8") 77503010 Casket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white 8156013 Oil / lubricants Code no. POE lubricant, 16052, 1 litre can 7754023 POE lubricant, 16052, 2.5 litre can 7754023 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020370 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 12020377 Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 7773108 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775007 Starface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL 7775007 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775007 Surface sump heater + bottom insulation for scroll compressor 12020353 Discharge thermostat kit 7755007 Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 120007 </td <td></td> <td></td> <td></td> | | | |
| Value set, V08 (2-1/4"1-3/8"), V07 (1-3/4"-7/8")7703010 8156013Oil / lubricant.Code no.POE lubricant, 16052, 12 litre can7754023 12020571Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020360 12020376Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL12020376 | | Code no. | |
| Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white8156013Oil / lubricantsCode no.POE lubricant, 1605Z, 1 litre can POE lubricant, 1605Z, 2.5 litre can7754023 12020571Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 300 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL Belt type crankcase heater, 75 W, 400 V, CE mark, UL T773108 Belt type crankcase heater, 75 W, 400 V, CE mark, UL T775007 Acoustic hood for scroll compressor S175-S185 Acoustic hood for scroll compressor f175-S185 Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, Discharge thermostat kit8156138 8156138 8156138 8156138 81561471: Bolt (4x) 2: Lock washer (4x) 3: Flat washer (4x) | Solder sleeve adapter set, (2-1/4" Rotolock, 1-5/8" ODF), (1-3/4" Rotolock, 1"1/8 ODF) | 7765028 | Solder sleeve adapter set |
| Oil / lubricant. Code no. POE lubricant, 16052, 1 litre can 7754023 POE lubricant, 16052, 2.5 litre can 12020571 Crankcase heaters 12020370 Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 200 V, CE mark, UL 12020376 Surface sump heater + bottom insulation, 56 W, 200 V, CE mark, UL 12020377 Belt type crankcase heater, 75 W, 300 V, CE mark, UL 120203778 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7773108 Belt type crankcase heater, 75 W, 400 V, CE mark, UL 7775007 Acoustic hood for scroll compressor S175-S185 7755007 Acoustic hood for scroll compressor S175-S185 7755007 Acoustic hood for scroll compressor S175-S185 8156138 Mounting kit for 1 scroll compressor sincluding 4 grommets, 4 sleeves, 4 bolts, 4 washers, 01 sight glass (white effon) 8156138 Oil sight glass with gaskets (black & white) 8156139 2: Lock washer (4x) Gasket for oil sight glass (white teffon) 8156139 3: Flat washer (4x) Terminal box 186 x198 mm, ind cover 8173021 5: Grommet (4x) | Valve set, V08 (2-1/4"~1-3/8"), V07 (1-3/4"~7/8") | 7703010 | |
| POE lubricant, 1605Z, 1 litre can POE lubricant, 1605Z, 2.5 litre can7754023 12020571Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020360 12020376Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020376 12020377Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020377 12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL12020377 12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773108 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7775007 12020353 1705007Discharge thermostat kit7755007 12020353 1705009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156147 11: Bolt (4x) 2: Lock washer (4x) 3: Flat washer (4x)Oil sight glass with gaskets (black & white) Gasket for oil sight glass (white teflon) Terminal box 186 x198 mm, incl cover8156139 8156139 8156139Tiblock connector 60 x 75 mm8173021 | Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white | 8156013 | |
| POE lubricant, 1605Z, 1 litre can POE lubricant, 1605Z, 2.5 litre can7754023 12020571Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020360 12020376Surface sump heater + bottom insulation, 56 W, 240 V, CE mark, UL12020376 12020377Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020377 12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL12020377 12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773108 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118 12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7775007 12020353 1705007Discharge thermostat kit7755007 12020353 1705009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156147 11: Bolt (4x) 2: Lock washer (4x) 3: Flat washer (4x)Oil sight glass with gaskets (black & white) Gasket for oil sight glass (white teflon) Terminal box 186 x198 mm, incl cover8156139 8156139 8156139Tiblock connector 60 x 75 mm8173021 | | | |
| POE lubricant, 1605Z, 2.5 litre can12020571Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020360Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020376Belt type crankcase heater, 75 W, 400 V, CE mark, UL12020378Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL12020464Miscellaneous accessoriesCode no.Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor S175-S1857755007Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets1: Bolt (4x)Oil sight glass with gasket (black & white) Gasket for oil sight glass with tefflon)815619Gasket for oil sight glass with tefflon)8156139Gasket for oil sight glass (white teflon)8156139Terminal box 186 x 198 mm, incl cover8156139Teblock connector 60 x 75 mm8173021 | Oil / lubricants | Code no. | |
| Crankcase heatersCode no.Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020360Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 460 V, CE mark, UL12020464Miscellaneous accessories7705007Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor S175-S1857755007Acoustic hood for scroll compressor s175-S1857755007Acoustic hood for scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Oll sight glass with gasket (black & white) Gasket for oil sight glass (white teffon) Terminal box 186 x 198 mm, incl cover8156139Teiblock connector 60 x 75 mm8173021 | POE lubricant, 160SZ, 1 litre can | 7754023 | 1 2 3 4 |
| Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL12020360Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL12020376Surface sump heater + bottom insulation, 56 W, 200 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL12020377Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL12020378Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 400 V, CE mark, UL12020464Miscellaneous accessories7705007Acoustic hood for scroll compressor 5175-518577055007Acoustic hood for scroll compressor 5175-51857705007Acoustic hood for scroll compressor coll compressor12020353Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets815619Oil sight glass with gaskets (black & white) Gasket for oil sight glass (white teflon) Terminal box 186 x 198 mm, incl cover8156139Tellock connector 60 x 75 mm8173021 | POE lubricant, 160SZ, 2.5 litre can | 120Z0571 | |
| Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL120203602: Gasket (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL120203763: Solder sleeve (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL120203774: Rotolock nut (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL120203784: Rotolock nut (Suc & Dis)Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108Mounting kitBelt type crankcase heater, 75 W, 400 V, CE mark, UL777311812020464Belt type crankcase heater, 75 W, 400 V, CE mark, UL1202046412020353Belt type crankcase heater, 75 W, 400 V, CE mark, UL1202035377755007Acoustic hood for scroll compressor S175-S185777550074Acoustic hood for scroll compressor sor1202035312020353Discharge thermostat kit77500095Spare partsCode no.8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 sloder sleeves, 2 gaskets8156147Oil sight glass with gaskets (black & white)8156192: Lock washer (4x)Gasket for oil sight glass (white teflon)81561393: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)Tiblock connector 60 x 75 mm81730215: Grommet (4x) | Crankcase heaters | Code no. | 1. Potolock adapter (Suc & Dic) |
| Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL120203763: Solder sleeve (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL120203774: Rotolock nut (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL120203784: Rotolock nut (Suc & Dis)Belt type crankcase heater, 75 W, 230 V, CE mark, UL77731087773108Belt type crankcase heater, 75 W, 460 V, CE mark, UL777311812020464Miscellaneous accessoriesCode no.12020373Electronic soft start kit, MCI 25 C77050077755007Acoustic hood for scroll compressor S175-S185775500712020333Discharge thermostat kit7775000912020335Solder sleeves, 2 gaskets815613811: Bolt (4x)Oil sight glass with gaskets (black & white)81561293: Flat washer (4x)Oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81730214: Seeve (4x)Tblock connector 60 x 75 mm81730215: Grommet (4x) | | | - · · · |
| Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL120Z03774: Rotolock nut (Suc & Dis)Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL120Z03784: Rotolock nut (Suc & Dis)Belt type crankcase heater, 75 W, 230 V, CE mark, UL77731087773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Mounting kitBelt type crankcase heater, 75 W, 460 V, CE mark, UL120Z0464120Z0464Miscellaneous accessoriesCode no.120Z0373Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor 5175-51857755007Acoustic bottom insulation for scroll compressor120Z0333Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Oil sight glass with gaskets (black & white)8156019Oil sight glass with gaskets (black & white)8156129Gasket for oil sight glass (white teflon)8156139Terminal box 186 x 198 mm, incl cover8156139Tblock connector 60 x 75 mm8173021 | • | | , , |
| Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL120Z0378Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 460 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 460 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 460 V, CE mark, UL120Z0464Miscellaneous accessoriesCode no.Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor S175-S1857755007Acoustic bottom insulation for scroll compressor120Z0333Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets1: Bolt (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Gasket for oil sight glass (white flon)81561394: Sleeve (4x)Terminal box 186 x 198 mm, incl cover81730215: Grommet (4x) | • | | · , |
| Belt type crankcase heater, 75 W, 230 V, CE mark, UL7773108Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Belt type crankcase heater, 75 W, 460 V, CE mark, UL12020464Miscellaneous accessoriesCode no.Electronic soft start kit, MCl 25 CAcoustic hood for scroll compressor S175-S1857755007Acoustic bottom insulation for scroll compressor12020353Discharge thermostat kit7750009Spare partsMounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gasketsMounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets815619Gil sight glass with gaskets (black & white)815619Gasket for oil sight glass (white effon)8156129Terminal box 186 x 198 mm, incl cover8156139Tblock connector 60 x 75 mm8173021 | • | | i. notoiock nut (suc a bis) |
| Belt type crankcase heater, 75 W, 400 V, CE mark, UL7773118Mounting kitBelt type crankcase heater, 75 W, 460 V, CE mark, UL120204641Miscellaneous accessoriesCode no.Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor S175-S1857755007Acoustic bottom insulation for scroll compressor12020353Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Miscip glass with gasket (black & white)815619Gasket for oil sight glass (white teflon)8156129Terminal box 186 x 198 mm, incl cover8156139Tblock connector 60 x 75 mm8173021 | • | | |
| Belt type crankcase heater, 75 W, 460 V, CE mark, UL12020464Miscellaneous accessoriesCode no.Electronic soft start kit, MCI 25 C7705007Acoustic hood for scroll compressor \$175-\$1857755007Acoustic bottom insulation for scroll compressor12020353Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Misch glass with gaskets (black & white)81560192: Lock washer (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | | | Mounting kit |
| Miscellaneous accessoriesCode no.Electronic soft start kit, MCI 25 C Acoustic hood for scroll compressor S175-S185 Acoustic bottom insulation for scroll compressor Discharge thermostat kit7705007 12020353 7755009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138 8156147Oil sight glass with gaskets (black & white) Gasket for oil sight glass (white teflon) Terminal box 186 x 198 mm, incl cover8156139 8156139T block connector 60 x 75 mm8173021 | | 120Z0464 | |
| Miscellaneous accessoriesCode no.Electronic soft start kit, MCl 25 C7705007Acoustic hood for scroll compressor S175-S1857755007Acoustic bottom insulation for scroll compressor12020353Discharge thermostat kit7750009Spare partsMounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gasketsOil sight glass with gaskets (black & white)815619Gasket for oil sight glass (white teflon)8156129Gasket for oil sight glass (white teflon)8156139Terminal box 186 x 198 mm, incl cover8156139T block connector 60 x 75 mm8173021 | | | 1 |
| Acoustic hood for scroll compressor \$175-\$1857755007Acoustic bottom insulation for scroll compressor120Z0353Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Oil sight glass with gaskets (black & white)8156019Gasket for oil sight glass (white teflon)8156129Terminal box 186 x 198 mm, incl cover8156139T block connector 60 x 75 mm8173021 | Miscellaneous accessories | Code no. | 2 |
| Acoustic bottom insulation for scroll compressor120Z03534Discharge thermostat kit7750009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Oil sight glass with gaskets (black & white)8156019Gasket for oil sight glass (white teflon)8156129Terminal box 186 x 198 mm, incl cover8156139T block connector 60 x 75 mm8173021Si Grommet (4x) | Electronic soft start kit, MCI 25 C | 7705007 | |
| Discharge thermostat kit775009Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156138Oil sight glass with gaskets (black & white)81560191: Bolt (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | Acoustic hood for scroll compressor S175-S185 | 7755007 | |
| Spare partsCode no.Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156147Oil sight glass with gaskets (black & white)8156019Gasket for oil sight glass (white teflon)8156129Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm8173021 | Acoustic bottom insulation for scroll compressor | 120Z0353 | 4 |
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156147Oil sight glass with gaskets (black & white)8156019Gasket for oil sight glass (white teflon)8156129Terminal box 186 x 198 mm, incl cover8156139A block connector 60 x 75 mm8173021Si Grommet (4x) | Discharge thermostat kit | 7750009 | |
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers8156138Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets1: Bolt (4x)Oil sight glass with gaskets (black & white)81560192: Lock washer (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | | | |
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers, 2 rotolock nuts, 2 solder sleeves, 2 gaskets8156147Oil sight glass with gaskets (black & white)81560192: Lock washer (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | | | |
| 2 rotolock nuts, 2 solder sleeves, 2 gaskets1: Bolt (4x)Oil sight glass with gaskets (black & white)8156019Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | | 8156138 | |
| Oil sight glass with gaskets (black & white)81560192: Lock washer (4x)Gasket for oil sight glass (white teflon)81561293: Flat washer (4x)Terminal box 186 x 198 mm, incl cover81561394: Sleeve (4x)T block connector 60 x 75 mm81730215: Grommet (4x) | | 8156147 | |
| Gasket for oil sight glass (white teflon) 8156129 3: Flat washer (4x) Terminal box 186 x 198 mm, incl cover 8156139 4: Sleeve (4x) T block connector 60 x 75 mm 8173021 5: Grommet (4x) | | | |
| Terminal box 186 x 198 mm, incl cover 8156139 4: Sleeve (4x) T block connector 60 x 75 mm 8173021 5: Grommet (4x) | | | , , |
| T block connector 60 x 75 mm 8173021 5: Grommet (4x) | | | · , |
| | | | . , |
| 6: Nut (4x) | T block connector 60 x 75 mm | 8173021 | |
| | | | 6: Nut (4x) |

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 50 Hz, EN 12900 rating conditions

| Cond. temp. in | | | | Evapora | ating temperature i | in °C (to) | | | |
|------------------|--------|--------|--------|---------|---------------------|------------|--------|--------|---|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |
| | | | | | | | | | |
| Cooling capacity | y in W | | | | | | | | |
| 30 | 16 496 | 21 007 | 26 387 | 32 726 | 40 115 | 48 644 | 58 403 | 69 483 | - |
| 35 | 15 417 | 19 792 | 24 990 | 31 102 | 38 217 | 46 425 | 55 816 | 66 481 | - |
| 40 | 14 305 | 18 513 | 23 500 | 29 353 | 36 163 | 44 020 | 53 012 | 63 231 | - |
| 45 | - | 17 169 | 21 913 | 27 478 | 33 953 | 41 427 | 49 989 | 59 730 | - |
| 50 | - | - | 20 228 | 25 474 | 31 583 | 38 643 | 46 744 | 55 975 | - |
| 55 | - | - | - | 23 340 | 29 052 | 35 667 | 43 275 | 51 963 | - |
| 60 | - | - | - | - | 26 357 | 32 495 | 39 576 | 47 689 | - |
| 65 | - | - | - | - | 23 494 | 29 122 | 35 642 | 43 143 | - |

Power input in W

| 30 | 7 675 | 7 756 | 7 828 | 7 887 | 7 928 | 7 947 | 7 941 | 7 904 | - |
|----|-------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 8 560 | 8 643 | 8 717 | 8 779 | 8 823 | 8 847 | 8 845 | 8 814 | - |
| 40 | 9 561 | 9 646 | 9 724 | 9 789 | 9 837 | 9 866 | 9 869 | 9 844 | - |
| 45 | - | 10 783 | 10 864 | 10 933 | 10 986 | 11 019 | 11 028 | 11 010 | - |
| 50 | - | - | 12 153 | 12 226 | 12 284 | 12 323 | 12 338 | 12 326 | - |
| 55 | - | - | - | 13 685 | 13 748 | 13 793 | 13 815 | 13 810 | - |
| 60 | - | - | - | - | 15 393 | 15 444 | 15 473 | 15 476 | - |
| 65 | - | - | - | - | 17 235 | 17 293 | 17 329 | 17 340 | - |

Current consumption in A

| 30 | 16.77 | 16.89 | 17.00 | 17.09 | 17.14 | 17.16 | 17.14 | 17.07 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.72 | 17.85 | 17.97 | 18.06 | 18.12 | 18.15 | 18.14 | 18.08 | - |
| 40 | 18.87 | 19.00 | 19.12 | 19.22 | 19.30 | 19.33 | 19.33 | 19.28 | - |
| 45 | - | 20.38 | 20.50 | 20.61 | 20.69 | 20.74 | 20.75 | 20.71 | - |
| 50 | - | - | 22.13 | 22.24 | 22.33 | 22.39 | 22.42 | 22.40 | - |
| 55 | - | - | - | 24.15 | 24.26 | 24.33 | 24.37 | 24.36 | - |
| 60 | - | - | - | - | 26.49 | 26.57 | 26.62 | 26.63 | - |
| 65 | - | - | - | - | 29.05 | 29.15 | 29.22 | 29.25 | - |

Mass flow in kg/h

| 30 | 344 | 430 | 530 | 646 | 778 | 929 | 1 100 | 1 292 | - |
|----|-----|-----|-----|-----|-----|-----|-------|-------|---|
| 35 | 337 | 425 | 526 | 643 | 776 | 928 | 1 099 | 1 292 | - |
| 40 | 330 | 418 | 520 | 638 | 772 | 924 | 1 096 | 1 288 | - |
| 45 | - | 411 | 513 | 631 | 765 | 918 | 1 089 | 1 282 | - |
| 50 | - | - | 504 | 622 | 756 | 908 | 1 079 | 1 271 | - |
| 55 | - | - | - | 610 | 744 | 895 | 1 065 | 1 256 | - |
| 60 | - | - | - | - | 728 | 878 | 1 047 | 1 237 | - |
| 65 | - | - | - | - | 708 | 857 | 1 024 | 1 212 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.15 | 2.71 | 3.37 | 4.15 | 5.06 | 6.12 | 7.35 | 8.79 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.80 | 2.29 | 2.87 | 3.54 | 4.33 | 5.25 | 6.31 | 7.54 | - |
| 40 | 1.50 | 1.92 | 2.42 | 3.00 | 3.68 | 4.46 | 5.37 | 6.42 | - |
| 45 | - | 1.59 | 2.02 | 2.51 | 3.09 | 3.76 | 4.53 | 5.43 | - |
| 50 | - | - | 1.66 | 2.08 | 2.57 | 3.14 | 3.79 | 4.54 | - |
| 55 | - | - | - | 1.71 | 2.11 | 2.59 | 3.13 | 3.76 | - |
| 60 | - | - | - | - | 1.71 | 2.10 | 2.56 | 3.08 | - |
| 65 | - | - | - | - | 1.36 | 1.68 | 2.06 | 2.49 | - |

| Nominal performance at to = 5 °C, tc = 50 °C | | | | | | | |
|--|--------|------|--|--|--|--|--|
| Cooling capacity | 38 643 | W | | | | | |
| Power input | 12 323 | W | | | | | |
| Current consumption | 22.39 | A | | | | | |
| Mass flow | 908 | kg/h | | | | | |
| C.O.P. | 3.14 | | | | | | |

| Pressure switch settings | | |
|---------------------------|------|--------|
| Maximum HP switch setting | 29.5 | bar(g) |
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| Sound power data | | |
| Sound power level | 85 | dB(A) |
| With accoustic hood | 73 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 50 Hz, ARI rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | |
|----------------|------------------------------------|-----|-----|----|---|---|----|----|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| e comig capaci | ., | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 30 | 17 693 | 22 504 | 28 237 | 34 983 | 42 837 | 51 893 | 62 245 | 73 985 | - |
| 35 | 16 616 | 21 303 | 26 866 | 33 396 | 40 989 | 49 739 | 59 738 | 71 081 | - |
| 40 | 15 504 | 20 036 | 25 397 | 31 682 | 38 983 | 47 395 | 57 011 | 67 925 | - |
| 45 | - | 18 700 | 23 829 | 29 837 | 36 815 | 44 858 | 54 061 | 64 516 | - |
| 50 | - | - | 22 159 | 27 858 | 34 483 | 42 127 | 50 885 | 60 849 | - |
| 55 | - | - | - | 25 744 | 31 984 | 39 198 | 47 480 | 56 924 | - |
| 60 | - | - | - | - | 29 315 | 36 069 | 43 845 | 52 736 | - |
| 65 | - | - | - | - | 26 475 | 32 737 | 39 975 | 48 284 | - |

Power input in W

| 30 | 7 675 | 7 756 | 7 828 | 7 887 | 7 928 | 7 947 | 7 941 | 7 904 | - |
|----|-------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 8 560 | 8 643 | 8 717 | 8 779 | 8 823 | 8 847 | 8 845 | 8 814 | - |
| 40 | 9 561 | 9 646 | 9 724 | 9 789 | 9 837 | 9 866 | 9 869 | 9 844 | - |
| 45 | - | 10 783 | 10 864 | 10 933 | 10 986 | 11 019 | 11 028 | 11 010 | - |
| 50 | - | - | 12 153 | 12 226 | 12 284 | 12 323 | 12 338 | 12 326 | - |
| 55 | - | - | - | 13 685 | 13 748 | 13 793 | 13 815 | 13 810 | - |
| 60 | - | - | - | - | 15 393 | 15 444 | 15 473 | 15 476 | - |
| 65 | - | - | - | - | 17 235 | 17 293 | 17 329 | 17 340 | - |

Current consumption in A

| 30 | 16.77 | 16.89 | 17.00 | 17.09 | 17.14 | 17.16 | 17.14 | 17.07 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.72 | 17.85 | 17.97 | 18.06 | 18.12 | 18.15 | 18.14 | 18.08 | - |
| 40 | 18.87 | 19.00 | 19.12 | 19.22 | 19.30 | 19.33 | 19.33 | 19.28 | - |
| 45 | - | 20.38 | 20.50 | 20.61 | 20.69 | 20.74 | 20.75 | 20.71 | - |
| 50 | - | - | 22.13 | 22.24 | 22.33 | 22.39 | 22.42 | 22.40 | - |
| 55 | - | - | - | 24.15 | 24.26 | 24.33 | 24.37 | 24.36 | - |
| 60 | - | - | - | - | 26.49 | 26.57 | 26.62 | 26.63 | - |
| 65 | - | - | - | - | 29.05 | 29.15 | 29.22 | 29.25 | - |

Mass flow in kg/h

| 30 | 342 | 428 | 527 | 642 | 774 | 924 | 1 093 | 1 284 | - |
|----|-----|-----|-----|-----|-----|-----|-------|-------|---|
| 35 | 335 | 422 | 523 | 639 | 772 | 922 | 1 093 | 1 284 | - |
| 40 | 328 | 416 | 518 | 634 | 768 | 919 | 1 089 | 1 281 | - |
| 45 | - | 408 | 511 | 628 | 761 | 912 | 1 083 | 1 274 | - |
| 50 | - | - | 501 | 619 | 752 | 903 | 1 073 | 1 263 | - |
| 55 | - | - | - | 607 | 739 | 890 | 1 059 | 1 248 | - |
| 60 | - | - | - | - | 724 | 873 | 1 041 | 1 229 | - |
| 65 | - | - | - | - | 704 | 852 | 1 018 | 1 205 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.31 | 2.90 | 3.61 | 4.44 | 5.40 | 6.53 | 7.84 | 9.36 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.94 | 2.46 | 3.08 | 3.80 | 4.65 | 5.62 | 6.75 | 8.06 | - |
| 40 | 1.62 | 2.08 | 2.61 | 3.24 | 3.96 | 4.80 | 5.78 | 6.90 | - |
| 45 | - | 1.73 | 2.19 | 2.73 | 3.35 | 4.07 | 4.90 | 5.86 | - |
| 50 | - | - | 1.82 | 2.28 | 2.81 | 3.42 | 4.12 | 4.94 | - |
| 55 | - | - | - | 1.88 | 2.33 | 2.84 | 3.44 | 4.12 | - |
| 60 | - | - | - | - | 1.90 | 2.34 | 2.83 | 3.41 | - |
| 65 | - | - | - | - | 1.54 | 1.89 | 2.31 | 2.78 | - |

| Power input13 619WCurrent consumption24.10A | | | | | |
|---|--------|------|--|--|--|
| Cooling capacity | 43 092 | W | | | |
| Power input | 13 619 | W | | | |
| Current consumption | 24.10 | Α | | | |
| Mass flow | 964 | kg/h | | | |
| COP | 3 16 | | | | |

| Maximum HP switch setting | 29.5 | bar(g) |
|---------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 85 | dB(A) |

Pressure switch settings

Tolerance according EN12900

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alternations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

FRCC.ED.SZ185-4.C3.02 / page performance R407C 50 Hz

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 50 Hz, EN 12900 rating conditions

| Cond. temp. in | | Evaporating temperature in °C (to) | | | | | | | | | |
|------------------|--------|------------------------------------|--------|--------|--------|--------|--------|---|---|--|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | | | |
| | | | | | | | | | | | |
| Cooling capacity | / in W | | - | | | - | | | | | |
| 35 | 12 952 | 16 610 | 20 911 | 25 918 | 31 698 | 38 315 | 45 836 | - | - | | |
| 40 | 12 108 | 15 640 | 19 786 | 24 611 | 30 179 | 36 557 | 43 810 | - | - | | |
| 45 | 11 243 | 14 632 | 18 606 | 23 232 | 28 572 | 34 693 | 41 660 | - | - | | |
| 50 | 10 361 | 13 589 | 17 376 | 21 784 | 26.879 | 32 725 | 30 388 | _ | _ | | |

| | 45 | 11 243 | 14 632 | 18 606 | 23 232 | 28 572 | 34 693 | 41 660 | - | - |
|---|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| | 50 | 10 361 | 13 589 | 17 376 | 21 784 | 26 879 | 32 725 | 39 388 | - | - |
| | 55 | - | 12 517 | 16 097 | 20 271 | 25 102 | 30 657 | 36 998 | - | - |
| ĺ | 60 | - | - | 14 774 | 18 696 | 23 246 | 28 490 | 34 492 | - | - |
| | 65 | - | - | - | 17 061 | 21 312 | 26 227 | 31 870 | - | - |
| ĺ | 70 | - | - | - | 15 369 | 19 303 | 23 869 | 29 132 | - | - |

Power input in W

| 35 | 6 066 | 6 139 | 6 198 | 6 240 | 6 260 | 6 253 | 6 215 | - | - |
|----|-------|-------|--------|--------|--------|--------|--------|---|---|
| 40 | 6 679 | 6 755 | 6 819 | 6 866 | 6 892 | 6 893 | 6 863 | - | - |
| 45 | 7 371 | 7 452 | 7 521 | 7 574 | 7 607 | 7 615 | 7 593 | - | - |
| 50 | 8 150 | 8 235 | 8 310 | 8 369 | 8 409 | 8 426 | 8 413 | - | - |
| 55 | - | 9 112 | 9 193 | 9 259 | 9 307 | 9 332 | 9 329 | - | - |
| 60 | - | - | 10 176 | 10 250 | 10 307 | 10 341 | 10 348 | - | - |
| 65 | - | - | - | 11 349 | 11 414 | 11 458 | 11 476 | - | - |
| 70 | - | - | - | 12 562 | 12 637 | 12 691 | 12 720 | - | - |

Current consumption in A

| 35 | 15.02 | 15.10 | 15.17 | 15.21 | 15.22 | 15.19 | 15.11 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 15.60 | 15.70 | 15.77 | 15.82 | 15.84 | 15.82 | 15.75 | - | - |
| 45 | 16.31 | 16.41 | 16.50 | 16.56 | 16.59 | 16.58 | 16.53 | - | - |
| 50 | 17.15 | 17.26 | 17.36 | 17.43 | 17.47 | 17.48 | 17.44 | - | - |
| 55 | - | 18.26 | 18.37 | 18.45 | 18.50 | 18.53 | 18.51 | - | - |
| 60 | - | - | 19.54 | 19.64 | 19.71 | 19.74 | 19.74 | - | - |
| 65 | - | - | - | 21.00 | 21.09 | 21.14 | 21.16 | - | - |
| 70 | - | - | - | 22.56 | 22.66 | 22.73 | 22.77 | - | - |

Mass flow in kg/h

| 35 | 314 | 394 | 485 | 589 | 707 | 839 | 986 | - | - |
|----|-----|-----|-----|-----|-----|-----|-----|---|---|
| 40 | 309 | 390 | 482 | 587 | 705 | 838 | 986 | - | - |
| 45 | 302 | 384 | 477 | 583 | 702 | 835 | 983 | - | - |
| 50 | 296 | 378 | 472 | 578 | 697 | 830 | 979 | - | - |
| 55 | - | 371 | 465 | 571 | 691 | 824 | 973 | - | - |
| 60 | - | - | 457 | 564 | 683 | 816 | 964 | - | - |
| 65 | - | - | - | 554 | 673 | 806 | 954 | - | - |
| 70 | - | - | - | 544 | 662 | 794 | 941 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.14 | 2.71 | 3.37 | 4.15 | 5.06 | 6.13 | 7.37 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.81 | 2.32 | 2.90 | 3.58 | 4.38 | 5.30 | 6.38 | - | - |
| 45 | 1.53 | 1.96 | 2.47 | 3.07 | 3.76 | 4.56 | 5.49 | - | - |
| 50 | 1.27 | 1.65 | 2.09 | 2.60 | 3.20 | 3.88 | 4.68 | - | - |
| 55 | - | 1.37 | 1.75 | 2.19 | 2.70 | 3.29 | 3.97 | - | - |
| 60 | - | - | 1.45 | 1.82 | 2.26 | 2.76 | 3.33 | - | - |
| 65 | - | - | - | 1.50 | 1.87 | 2.29 | 2.78 | - | - |
| 70 | - | - | - | 1.22 | 1.53 | 1.88 | 2.29 | - | - |

| Nominal performance at to = 5 °C, tc = | = 50 °C | |
|--|---------|------|
| Cooling capacity | 26 879 | W |
| Power input | 8 409 | W |
| Current consumption | 17.47 | A |
| Mass flow | 697 | kg/h |
| C.O.P. | 3.20 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 50 Hz, ARI rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | |
|----------------|------------------------------------|-----|----|---|---|----|----|--|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | |

Cooling capacity in W

| | ., | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 35 | 14 028 | 17 960 | 22 573 | 27 935 | 34 114 | 41 177 | 49 192 | - | - |
| 40 | 13 185 | 16 999 | 21 467 | 26 656 | 32 633 | 39 468 | 47 226 | - | - |
| 45 | 12 320 | 15 999 | 20 304 | 25 302 | 31 061 | 37 649 | 45 133 | - | - |
| 50 | 11 435 | 14 962 | 19 086 | 23 876 | 29 400 | 35 724 | 42 917 | - | - |
| 55 | - | 13 892 | 17 819 | 22 384 | 27 654 | 33 697 | 40 581 | - | - |
| 60 | - | - | 16 506 | 20 827 | 25 827 | 31 571 | 38 129 | - | - |
| 65 | - | - | - | 19 211 | 23 922 | 29 351 | 35 566 | - | - |
| 70 | - | - | - | 17 539 | 21 944 | 27 040 | 32 893 | - | - |

Power input in W

| 35 | 6 066 | 6 139 | 6 198 | 6 240 | 6 260 | 6 253 | 6 215 | - | - |
|----|-------|-------|--------|--------|--------|--------|--------|---|---|
| 40 | 6 679 | 6 755 | 6 819 | 6 866 | 6 892 | 6 893 | 6 863 | - | - |
| 45 | 7 371 | 7 452 | 7 521 | 7 574 | 7 607 | 7 615 | 7 593 | - | - |
| 50 | 8 150 | 8 235 | 8 310 | 8 369 | 8 409 | 8 426 | 8 413 | - | - |
| 55 | - | 9 112 | 9 193 | 9 259 | 9 307 | 9 332 | 9 329 | - | - |
| 60 | - | - | 10 176 | 10 250 | 10 307 | 10 341 | 10 348 | - | - |
| 65 | - | - | - | 11 349 | 11 414 | 11 458 | 11 476 | - | - |
| 70 | - | - | - | 12 562 | 12 637 | 12 691 | 12 720 | - | - |

Current consumption in A

| 35 | 15.02 | 15.10 | 15.17 | 15.21 | 15.22 | 15.19 | 15.11 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 15.60 | 15.70 | 15.77 | 15.82 | 15.84 | 15.82 | 15.75 | - | - |
| 45 | 16.31 | 16.41 | 16.50 | 16.56 | 16.59 | 16.58 | 16.53 | - | - |
| 50 | 17.15 | 17.26 | 17.36 | 17.43 | 17.47 | 17.48 | 17.44 | - | - |
| 55 | - | 18.26 | 18.37 | 18.45 | 18.50 | 18.53 | 18.51 | - | - |
| 60 | - | - | 19.54 | 19.64 | 19.71 | 19.74 | 19.74 | - | - |
| 65 | - | - | - | 21.00 | 21.09 | 21.14 | 21.16 | - | - |
| 70 | - | - | - | 22.56 | 22.66 | 22.73 | 22.77 | - | - |

Mass flow in kg/h

| 35 | 312 | 392 | 483 | 586 | 703 | 834 | 981 | - | - |
|----|-----|-----|-----|-----|-----|-----|-----|---|---|
| 40 | 307 | 388 | 479 | 584 | 701 | 833 | 980 | - | - |
| 45 | 301 | 382 | 475 | 580 | 698 | 830 | 978 | - | - |
| 50 | 294 | 376 | 470 | 575 | 693 | 826 | 974 | - | - |
| 55 | - | 369 | 463 | 568 | 687 | 820 | 967 | - | - |
| 60 | - | - | 455 | 561 | 679 | 812 | 959 | - | - |
| 65 | - | - | - | 552 | 670 | 802 | 948 | - | - |
| 70 | - | - | - | 541 | 658 | 790 | 936 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.31 | 2.93 | 3.64 | 4.48 | 5.45 | 6.59 | 7.91 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.97 | 2.52 | 3.15 | 3.88 | 4.73 | 5.73 | 6.88 | - | - |
| 45 | 1.67 | 2.15 | 2.70 | 3.34 | 4.08 | 4.94 | 5.94 | - | - |
| 50 | 1.40 | 1.82 | 2.30 | 2.85 | 3.50 | 4.24 | 5.10 | - | - |
| 55 | - | 1.52 | 1.94 | 2.42 | 2.97 | 3.61 | 4.35 | - | - |
| 60 | - | - | 1.62 | 2.03 | 2.51 | 3.05 | 3.68 | - | - |
| 65 | - | - | - | 1.69 | 2.10 | 2.56 | 3.10 | - | - |
| 70 | - | - | - | 1.40 | 1.74 | 2.13 | 2.59 | - | - |

| Nominal performance at to = 7.2 °C, | tc = 54.4 °C | |
|-------------------------------------|--------------|------|
| Cooling capacity | 30 442 | W |
| Power input | 9 208 | W |
| Current consumption | 18.39 | A |
| Mass flow | 744 | kg/h |
| C.O.P. | 3.31 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|---------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| Sound power data | | |
| oouna power aata | | |
| Sound power level | 0 | dB(A) |

Pressure switch settings

Tolerance according EN12900

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alternations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 50 Hz, EN 12900 rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | | | | |
|------------------|------------------------------------|--------|--------|--------|--------|--------|--------|---|---|--|--|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | | | | |
| | | | | | | | | | | | | |
| Cooling capacity | / in W | | - | | | - | | | | | | |
| 35 | 12 952 | 16 610 | 20 911 | 25 918 | 31 698 | 38 315 | 45 836 | - | - | | | |
| 40 | 12 108 | 15 640 | 19 786 | 24 611 | 30 179 | 36 557 | 43 810 | - | - | | | |
| 45 | 11 243 | 14 632 | 18 606 | 23 232 | 28 572 | 34 693 | 41 660 | - | - | | | |
| 50 | 10 361 | 13 589 | 17 376 | 21 784 | 26.879 | 32 725 | 30 388 | _ | _ | | | |

| | 45 | 11 243 | 14 632 | 18 606 | 23 232 | 28 572 | 34 693 | 41 660 | - | - |
|---|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| | 50 | 10 361 | 13 589 | 17 376 | 21 784 | 26 879 | 32 725 | 39 388 | - | - |
| | 55 | - | 12 517 | 16 097 | 20 271 | 25 102 | 30 657 | 36 998 | - | - |
| ĺ | 60 | - | - | 14 774 | 18 696 | 23 246 | 28 490 | 34 492 | - | - |
| | 65 | - | - | - | 17 061 | 21 312 | 26 227 | 31 870 | - | - |
| ĺ | 70 | - | - | - | 15 369 | 19 303 | 23 869 | 29 132 | - | - |

Power input in W

| 35 | 6 066 | 6 139 | 6 198 | 6 240 | 6 260 | 6 253 | 6 215 | - | - |
|----|-------|-------|--------|--------|--------|--------|--------|---|---|
| 40 | 6 679 | 6 755 | 6 819 | 6 866 | 6 892 | 6 893 | 6 863 | - | - |
| 45 | 7 371 | 7 452 | 7 521 | 7 574 | 7 607 | 7 615 | 7 593 | - | - |
| 50 | 8 150 | 8 235 | 8 310 | 8 369 | 8 409 | 8 426 | 8 413 | - | - |
| 55 | - | 9 112 | 9 193 | 9 259 | 9 307 | 9 332 | 9 329 | - | - |
| 60 | - | - | 10 176 | 10 250 | 10 307 | 10 341 | 10 348 | - | - |
| 65 | - | - | - | 11 349 | 11 414 | 11 458 | 11 476 | - | - |
| 70 | - | - | - | 12 562 | 12 637 | 12 691 | 12 720 | - | - |

Current consumption in A

| 35 | 15.02 | 15.10 | 15.17 | 15.21 | 15.22 | 15.19 | 15.11 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 15.60 | 15.70 | 15.77 | 15.82 | 15.84 | 15.82 | 15.75 | - | - |
| 45 | 16.31 | 16.41 | 16.50 | 16.56 | 16.59 | 16.58 | 16.53 | - | - |
| 50 | 17.15 | 17.26 | 17.36 | 17.43 | 17.47 | 17.48 | 17.44 | - | - |
| 55 | - | 18.26 | 18.37 | 18.45 | 18.50 | 18.53 | 18.51 | - | - |
| 60 | - | - | 19.54 | 19.64 | 19.71 | 19.74 | 19.74 | - | - |
| 65 | - | - | - | 21.00 | 21.09 | 21.14 | 21.16 | - | - |
| 70 | - | - | - | 22.56 | 22.66 | 22.73 | 22.77 | - | - |

Mass flow in kg/h

| 35 | 314 | 394 | 485 | 589 | 707 | 839 | 986 | - | - |
|----|-----|-----|-----|-----|-----|-----|-----|---|---|
| 40 | 309 | 390 | 482 | 587 | 705 | 838 | 986 | - | - |
| 45 | 302 | 384 | 477 | 583 | 702 | 835 | 983 | - | - |
| 50 | 296 | 378 | 472 | 578 | 697 | 830 | 979 | - | - |
| 55 | - | 371 | 465 | 571 | 691 | 824 | 973 | - | - |
| 60 | - | - | 457 | 564 | 683 | 816 | 964 | - | - |
| 65 | - | - | - | 554 | 673 | 806 | 954 | - | - |
| 70 | - | - | - | 544 | 662 | 794 | 941 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.14 | 2.71 | 3.37 | 4.15 | 5.06 | 6.13 | 7.37 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.81 | 2.32 | 2.90 | 3.58 | 4.38 | 5.30 | 6.38 | - | - |
| 45 | 1.53 | 1.96 | 2.47 | 3.07 | 3.76 | 4.56 | 5.49 | - | - |
| 50 | 1.27 | 1.65 | 2.09 | 2.60 | 3.20 | 3.88 | 4.68 | - | - |
| 55 | - | 1.37 | 1.75 | 2.19 | 2.70 | 3.29 | 3.97 | - | - |
| 60 | - | - | 1.45 | 1.82 | 2.26 | 2.76 | 3.33 | - | - |
| 65 | - | - | - | 1.50 | 1.87 | 2.29 | 2.78 | - | - |
| 70 | - | - | - | 1.22 | 1.53 | 1.88 | 2.29 | - | - |

| Nominal performance at to = 5 °C, tc = | = 50 °C | |
|--|---------|------|
| Cooling capacity | 26 879 | W |
| Power input | 8 409 | W |
| Current consumption | 17.47 | A |
| Mass flow | 697 | kg/h |
| C.O.P. | 3.20 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 50 Hz, ARI rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | | |
|----------------|------------------------------------|-----|----|---|---|----|----|--|--|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | | |

Cooling capacity in W

| | ., | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 35 | 14 028 | 17 960 | 22 573 | 27 935 | 34 114 | 41 177 | 49 192 | - | - |
| 40 | 13 185 | 16 999 | 21 467 | 26 656 | 32 633 | 39 468 | 47 226 | - | - |
| 45 | 12 320 | 15 999 | 20 304 | 25 302 | 31 061 | 37 649 | 45 133 | - | - |
| 50 | 11 435 | 14 962 | 19 086 | 23 876 | 29 400 | 35 724 | 42 917 | - | - |
| 55 | - | 13 892 | 17 819 | 22 384 | 27 654 | 33 697 | 40 581 | - | - |
| 60 | - | - | 16 506 | 20 827 | 25 827 | 31 571 | 38 129 | - | - |
| 65 | - | - | - | 19 211 | 23 922 | 29 351 | 35 566 | - | - |
| 70 | - | - | - | 17 539 | 21 944 | 27 040 | 32 893 | - | - |

Power input in W

| 35 | 6 066 | 6 139 | 6 198 | 6 240 | 6 260 | 6 253 | 6 215 | - | - |
|----|-------|-------|--------|--------|--------|--------|--------|---|---|
| 40 | 6 679 | 6 755 | 6 819 | 6 866 | 6 892 | 6 893 | 6 863 | - | - |
| 45 | 7 371 | 7 452 | 7 521 | 7 574 | 7 607 | 7 615 | 7 593 | - | - |
| 50 | 8 150 | 8 235 | 8 310 | 8 369 | 8 409 | 8 426 | 8 413 | - | - |
| 55 | - | 9 112 | 9 193 | 9 259 | 9 307 | 9 332 | 9 329 | - | - |
| 60 | - | - | 10 176 | 10 250 | 10 307 | 10 341 | 10 348 | - | - |
| 65 | - | - | - | 11 349 | 11 414 | 11 458 | 11 476 | - | - |
| 70 | - | - | - | 12 562 | 12 637 | 12 691 | 12 720 | - | - |

Current consumption in A

| 35 | 15.02 | 15.10 | 15.17 | 15.21 | 15.22 | 15.19 | 15.11 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 15.60 | 15.70 | 15.77 | 15.82 | 15.84 | 15.82 | 15.75 | - | - |
| 45 | 16.31 | 16.41 | 16.50 | 16.56 | 16.59 | 16.58 | 16.53 | - | - |
| 50 | 17.15 | 17.26 | 17.36 | 17.43 | 17.47 | 17.48 | 17.44 | - | - |
| 55 | - | 18.26 | 18.37 | 18.45 | 18.50 | 18.53 | 18.51 | - | - |
| 60 | - | - | 19.54 | 19.64 | 19.71 | 19.74 | 19.74 | - | - |
| 65 | - | - | - | 21.00 | 21.09 | 21.14 | 21.16 | - | - |
| 70 | - | - | - | 22.56 | 22.66 | 22.73 | 22.77 | - | - |

Mass flow in kg/h

| 35 | 312 | 392 | 483 | 586 | 703 | 834 | 981 | - | - |
|----|-----|-----|-----|-----|-----|-----|-----|---|---|
| 40 | 307 | 388 | 479 | 584 | 701 | 833 | 980 | - | - |
| 45 | 301 | 382 | 475 | 580 | 698 | 830 | 978 | - | - |
| 50 | 294 | 376 | 470 | 575 | 693 | 826 | 974 | - | - |
| 55 | - | 369 | 463 | 568 | 687 | 820 | 967 | - | - |
| 60 | - | - | 455 | 561 | 679 | 812 | 959 | - | - |
| 65 | - | - | - | 552 | 670 | 802 | 948 | - | - |
| 70 | - | - | - | 541 | 658 | 790 | 936 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.31 | 2.93 | 3.64 | 4.48 | 5.45 | 6.59 | 7.91 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.97 | 2.52 | 3.15 | 3.88 | 4.73 | 5.73 | 6.88 | - | - |
| 45 | 1.67 | 2.15 | 2.70 | 3.34 | 4.08 | 4.94 | 5.94 | - | - |
| 50 | 1.40 | 1.82 | 2.30 | 2.85 | 3.50 | 4.24 | 5.10 | - | - |
| 55 | - | 1.52 | 1.94 | 2.42 | 2.97 | 3.61 | 4.35 | - | - |
| 60 | - | - | 1.62 | 2.03 | 2.51 | 3.05 | 3.68 | - | - |
| 65 | - | - | - | 1.69 | 2.10 | 2.56 | 3.10 | - | - |
| 70 | - | - | - | 1.40 | 1.74 | 2.13 | 2.59 | - | - |

| Nominal performance at to = 7.2 °C, | tc = 54.4 °C | |
|-------------------------------------|--------------|------|
| Cooling capacity | 30 442 | W |
| Power input | 9 208 | W |
| Current consumption | 18.39 | A |
| Mass flow | 744 | kg/h |
| C.O.P. | 3.31 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|---------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| Sound power data | | |
| oouna power aata | | |
| Sound power level | 0 | dB(A) |

Pressure switch settings

Tolerance according EN12900

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alternations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 50 Hz, EN 12900 rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | | | |
|------------------|------------------------------------|--------|--------|--------|--------|--------|--------|--------|---|--|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | | |
| | | | | | | | | | | | |
| Cooling capacity | y in W | | | | | | | | | | |
| 30 | 16 496 | 21 007 | 26 387 | 32 726 | 40 115 | 48 644 | 58 403 | 69 483 | - | | |
| 35 | 15 417 | 19 792 | 24 990 | 31 102 | 38 217 | 46 425 | 55 816 | 66 481 | - | | |
| 40 | 14 305 | 18 513 | 23 500 | 29 353 | 36 163 | 44 020 | 53 012 | 63 231 | - | | |
| 45 | - | 17 169 | 21 913 | 27 478 | 33 953 | 41 427 | 49 989 | 59 730 | - | | |
| 50 | - | - | 20 228 | 25 474 | 31 583 | 38 643 | 46 744 | 55 975 | - | | |
| 55 | - | - | - | 23 340 | 29 052 | 35 667 | 43 275 | 51 963 | - | | |
| 60 | - | - | - | - | 26 357 | 32 495 | 39 576 | 47 689 | - | | |
| 65 | - | - | - | - | 23 494 | 29 122 | 35 642 | 43 143 | - | | |

Power input in W

| 30 | 7 675 | 7 756 | 7 828 | 7 887 | 7 928 | 7 947 | 7 941 | 7 904 | - |
|----|-------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 8 560 | 8 643 | 8 717 | 8 779 | 8 823 | 8 847 | 8 845 | 8 814 | - |
| 40 | 9 561 | 9 646 | 9 724 | 9 789 | 9 837 | 9 866 | 9 869 | 9 844 | - |
| 45 | - | 10 783 | 10 864 | 10 933 | 10 986 | 11 019 | 11 028 | 11 010 | - |
| 50 | - | - | 12 153 | 12 226 | 12 284 | 12 323 | 12 338 | 12 326 | - |
| 55 | - | - | - | 13 685 | 13 748 | 13 793 | 13 815 | 13 810 | - |
| 60 | - | - | - | - | 15 393 | 15 444 | 15 473 | 15 476 | - |
| 65 | - | - | - | - | 17 235 | 17 293 | 17 329 | 17 340 | - |

Current consumption in A

| 30 | 16.77 | 16.89 | 17.00 | 17.09 | 17.14 | 17.16 | 17.14 | 17.07 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.72 | 17.85 | 17.97 | 18.06 | 18.12 | 18.15 | 18.14 | 18.08 | - |
| 40 | 18.87 | 19.00 | 19.12 | 19.22 | 19.30 | 19.33 | 19.33 | 19.28 | - |
| 45 | - | 20.38 | 20.50 | 20.61 | 20.69 | 20.74 | 20.75 | 20.71 | - |
| 50 | - | - | 22.13 | 22.24 | 22.33 | 22.39 | 22.42 | 22.40 | - |
| 55 | - | - | - | 24.15 | 24.26 | 24.33 | 24.37 | 24.36 | - |
| 60 | - | - | - | - | 26.49 | 26.57 | 26.62 | 26.63 | - |
| 65 | - | - | - | - | 29.05 | 29.15 | 29.22 | 29.25 | - |

Mass flow in kg/h

| 30 | 344 | 430 | 530 | 646 | 778 | 929 | 1 100 | 1 292 | - |
|----|-----|-----|-----|-----|-----|-----|-------|-------|---|
| 35 | 337 | 425 | 526 | 643 | 776 | 928 | 1 099 | 1 292 | - |
| 40 | 330 | 418 | 520 | 638 | 772 | 924 | 1 096 | 1 288 | - |
| 45 | - | 411 | 513 | 631 | 765 | 918 | 1 089 | 1 282 | - |
| 50 | - | - | 504 | 622 | 756 | 908 | 1 079 | 1 271 | - |
| 55 | - | - | - | 610 | 744 | 895 | 1 065 | 1 256 | - |
| 60 | - | - | - | - | 728 | 878 | 1 047 | 1 237 | - |
| 65 | - | - | - | - | 708 | 857 | 1 024 | 1 212 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.15 | 2.71 | 3.37 | 4.15 | 5.06 | 6.12 | 7.35 | 8.79 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.80 | 2.29 | 2.87 | 3.54 | 4.33 | 5.25 | 6.31 | 7.54 | - |
| 40 | 1.50 | 1.92 | 2.42 | 3.00 | 3.68 | 4.46 | 5.37 | 6.42 | - |
| 45 | - | 1.59 | 2.02 | 2.51 | 3.09 | 3.76 | 4.53 | 5.43 | - |
| 50 | - | - | 1.66 | 2.08 | 2.57 | 3.14 | 3.79 | 4.54 | - |
| 55 | - | - | - | 1.71 | 2.11 | 2.59 | 3.13 | 3.76 | - |
| 60 | - | - | - | - | 1.71 | 2.10 | 2.56 | 3.08 | - |
| 65 | - | - | - | - | 1.36 | 1.68 | 2.06 | 2.49 | - |

| Nominal performance at to = 5 °C, t | c = 50 °C | | |
|-------------------------------------|-----------|------|--|
| Cooling capacity | 38 643 | W | |
| Power input | 12 323 | W | |
| Current consumption | 22.39 | A | |
| Mass flow | 908 | kg/h | |
| C.O.P. | 3.14 | | |

| Pressure switch settings | | |
|---------------------------|------|--------|
| Maximum HP switch setting | 29.5 | bar(g) |
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| Sound power data | | |
| Sound power level | 85 | dB(A) |
| With accoustic hood | 73 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 50 Hz, ARI rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | |
|----------------|------------------------------------|-----|-----|----|---|---|----|----|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| e e e e mig e a pa e | ., | | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 30 | 17 693 | 22 504 | 28 237 | 34 983 | 42 837 | 51 893 | 62 245 | 73 985 | - |
| 35 | 16 616 | 21 303 | 26 866 | 33 396 | 40 989 | 49 739 | 59 738 | 71 081 | - |
| 40 | 15 504 | 20 036 | 25 397 | 31 682 | 38 983 | 47 395 | 57 011 | 67 925 | - |
| 45 | - | 18 700 | 23 829 | 29 837 | 36 815 | 44 858 | 54 061 | 64 516 | - |
| 50 | - | - | 22 159 | 27 858 | 34 483 | 42 127 | 50 885 | 60 849 | - |
| 55 | - | - | - | 25 744 | 31 984 | 39 198 | 47 480 | 56 924 | - |
| 60 | - | - | - | - | 29 315 | 36 069 | 43 845 | 52 736 | - |
| 65 | - | - | - | - | 26 475 | 32 737 | 39 975 | 48 284 | - |

Power input in W

| 30 | 7 675 | 7 756 | 7 828 | 7 887 | 7 928 | 7 947 | 7 941 | 7 904 | - |
|----|-------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 8 560 | 8 643 | 8 717 | 8 779 | 8 823 | 8 847 | 8 845 | 8 814 | - |
| 40 | 9 561 | 9 646 | 9 724 | 9 789 | 9 837 | 9 866 | 9 869 | 9 844 | - |
| 45 | - | 10 783 | 10 864 | 10 933 | 10 986 | 11 019 | 11 028 | 11 010 | - |
| 50 | - | - | 12 153 | 12 226 | 12 284 | 12 323 | 12 338 | 12 326 | - |
| 55 | - | - | - | 13 685 | 13 748 | 13 793 | 13 815 | 13 810 | - |
| 60 | - | - | - | - | 15 393 | 15 444 | 15 473 | 15 476 | - |
| 65 | - | - | - | - | 17 235 | 17 293 | 17 329 | 17 340 | - |

Current consumption in A

| 30 | 16.77 | 16.89 | 17.00 | 17.09 | 17.14 | 17.16 | 17.14 | 17.07 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.72 | 17.85 | 17.97 | 18.06 | 18.12 | 18.15 | 18.14 | 18.08 | - |
| 40 | 18.87 | 19.00 | 19.12 | 19.22 | 19.30 | 19.33 | 19.33 | 19.28 | - |
| 45 | - | 20.38 | 20.50 | 20.61 | 20.69 | 20.74 | 20.75 | 20.71 | - |
| 50 | - | - | 22.13 | 22.24 | 22.33 | 22.39 | 22.42 | 22.40 | - |
| 55 | - | - | - | 24.15 | 24.26 | 24.33 | 24.37 | 24.36 | - |
| 60 | - | - | - | - | 26.49 | 26.57 | 26.62 | 26.63 | - |
| 65 | - | - | - | - | 29.05 | 29.15 | 29.22 | 29.25 | - |

Mass flow in kg/h

| 30 | 342 | 428 | 527 | 642 | 774 | 924 | 1 093 | 1 284 | - |
|----|-----|-----|-----|-----|-----|-----|-------|-------|---|
| 35 | 335 | 422 | 523 | 639 | 772 | 922 | 1 093 | 1 284 | - |
| 40 | 328 | 416 | 518 | 634 | 768 | 919 | 1 089 | 1 281 | - |
| 45 | - | 408 | 511 | 628 | 761 | 912 | 1 083 | 1 274 | - |
| 50 | - | - | 501 | 619 | 752 | 903 | 1 073 | 1 263 | - |
| 55 | - | - | - | 607 | 739 | 890 | 1 059 | 1 248 | - |
| 60 | - | - | - | - | 724 | 873 | 1 041 | 1 229 | - |
| 65 | - | - | - | - | 704 | 852 | 1 018 | 1 205 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.31 | 2.90 | 3.61 | 4.44 | 5.40 | 6.53 | 7.84 | 9.36 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.94 | 2.46 | 3.08 | 3.80 | 4.65 | 5.62 | 6.75 | 8.06 | - |
| 40 | 1.62 | 2.08 | 2.61 | 3.24 | 3.96 | 4.80 | 5.78 | 6.90 | - |
| 45 | - | 1.73 | 2.19 | 2.73 | 3.35 | 4.07 | 4.90 | 5.86 | - |
| 50 | - | - | 1.82 | 2.28 | 2.81 | 3.42 | 4.12 | 4.94 | - |
| 55 | - | - | - | 1.88 | 2.33 | 2.84 | 3.44 | 4.12 | - |
| 60 | - | - | - | - | 1.90 | 2.34 | 2.83 | 3.41 | - |
| 65 | - | - | - | - | 1.54 | 1.89 | 2.31 | 2.78 | - |

| Nominal performance at to = 7.2 °C, tc = 54.4 °C | | | | | | | | |
|--|--------|------|--|--|--|--|--|--|
| Cooling capacity | 43 092 | W | | | | | | |
| Power input | 13 619 | W | | | | | | |
| Current consumption | 24.10 | Α | | | | | | |
| Mass flow | 964 | kg/h | | | | | | |
| COP | 3 16 | | | | | | | |

| Maximum HP switch setting | 29.5 | bar(g) |
|---------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 85 | dB(A) |

Pressure switch settings

Tolerance according EN12900

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alternations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

FRCC.ED.SZ185-4.C3.02 / page performance R407C 50 Hz

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 60 Hz, EN 12900 rating conditions

| Cond. temp. in | Evaporating temperature in °C (to) | | | | | | | | | | |
|------------------|------------------------------------|--------|--------|--------|--------|--------|--------|--------|---|--|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | | |
| | | | | | | | | | | | |
| Cooling capacity | y in W | | | | | | | | | | |
| 30 | 20 450 | 25 793 | 32 178 | 39 714 | 48 510 | 58 674 | 70 316 | 83 546 | - | | |
| 35 | 19 090 | 24 267 | 30 430 | 37 687 | 46 148 | 55 919 | 67 112 | 79 834 | - | | |
| 40 | 17 715 | 22 689 | 28 593 | 35 535 | 43 622 | 52 964 | 63 668 | 75 844 | - | | |
| 45 | - | 21 063 | 26 671 | 33 259 | 40 937 | 49 810 | 59 989 | 71 580 | - | | |
| 50 | - | - | 24 667 | 30 865 | 38 095 | 46 463 | 56 077 | 67 045 | - | | |
| 55 | - | - | - | 28 356 | 35 101 | 42 925 | 51 935 | 62 240 | - | | |
| 60 | - | - | - | - | 31 955 | 39 196 | 47 564 | 57 165 | - | | |
| 65 | - | - | - | - | 28 657 | 35 276 | 42 960 | 51 813 | - | | |

Power input in W

| 30 | 9 172 | 9 325 | 9 467 | 9 592 | 9 694 | 9 768 | 9 807 | 9 806 | - |
|----|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 10 194 | 10 352 | 10 500 | 10 634 | 10 746 | 10 832 | 10 885 | 10 899 | - |
| 40 | 11 344 | 11 508 | 11 664 | 11 807 | 11 931 | 12 029 | 12 097 | 12 128 | - |
| 45 | - | 12 809 | 12 974 | 13 128 | 13 264 | 13 377 | 13 461 | 13 510 | - |
| 50 | - | - | 14 447 | 14 613 | 14 762 | 14 891 | 14 992 | 15 060 | - |
| 55 | - | - | - | 16 276 | 16 441 | 16 586 | 16 706 | 16 794 | - |
| 60 | - | - | - | - | 18 316 | 18 479 | 18 618 | 18 728 | - |
| 65 | - | - | - | - | 20 404 | 20 586 | 20 746 | 20 878 | - |

Current consumption in A

| 30 | 15.98 | 16.16 | 16.32 | 16.46 | 16.56 | 16.62 | 16.63 | 16.58 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.05 | 17.23 | 17.41 | 17.56 | 17.67 | 17.75 | 17.79 | 17.76 | - |
| 40 | 18.30 | 18.50 | 18.68 | 18.85 | 18.99 | 19.09 | 19.14 | 19.15 | - |
| 45 | - | 19.98 | 20.18 | 20.36 | 20.52 | 20.64 | 20.73 | 20.76 | - |
| 50 | - | - | 21.92 | 22.12 | 22.30 | 22.45 | 22.56 | 22.63 | - |
| 55 | - | - | - | 24.15 | 24.35 | 24.53 | 24.68 | 24.78 | - |
| 60 | - | - | - | - | 26.72 | 26.92 | 27.10 | 27.24 | - |
| 65 | - | - | - | - | 29.41 | 29.65 | 29.86 | 30.03 | - |

Mass flow in kg/h

| 30 | 426 | 528 | 646 | 783 | 941 | 1 120 | 1 323 | 1 552 | - |
|----|-----|-----|-----|-----|-----|-------|-------|-------|---|
| 35 | 418 | 521 | 641 | 779 | 938 | 1 118 | 1 322 | 1 551 | - |
| 40 | 408 | 513 | 633 | 773 | 932 | 1 112 | 1 317 | 1 546 | - |
| 45 | - | 504 | 625 | 764 | 923 | 1 104 | 1 307 | 1 536 | - |
| 50 | - | - | 615 | 753 | 912 | 1 092 | 1 295 | 1 522 | - |
| 55 | - | - | - | 741 | 898 | 1 077 | 1 278 | 1 504 | - |
| 60 | - | - | - | - | 882 | 1 059 | 1 258 | 1 482 | - |
| 65 | - | - | - | - | 864 | 1 038 | 1 234 | 1 455 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.23 | 2.77 | 3.40 | 4.14 | 5.00 | 6.01 | 7.17 | 8.52 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.87 | 2.34 | 2.90 | 3.54 | 4.29 | 5.16 | 6.17 | 7.32 | - |
| 40 | 1.56 | 1.97 | 2.45 | 3.01 | 3.66 | 4.40 | 5.26 | 6.25 | - |
| 45 | - | 1.64 | 2.06 | 2.53 | 3.09 | 3.72 | 4.46 | 5.30 | - |
| 50 | - | - | 1.71 | 2.11 | 2.58 | 3.12 | 3.74 | 4.45 | - |
| 55 | - | - | - | 1.74 | 2.13 | 2.59 | 3.11 | 3.71 | - |
| 60 | - | - | - | - | 1.74 | 2.12 | 2.55 | 3.05 | - |
| 65 | - | - | - | - | 1.40 | 1.71 | 2.07 | 2.48 | - |

| Nominal performance at to = 5 °C, tc = 50 °C | | | | | | | | |
|--|--------|------|--|--|--|--|--|--|
| Cooling capacity | 46 463 | W | | | | | | |
| Power input | 14 891 | W | | | | | | |
| Current consumption | 22.45 | A | | | | | | |
| Mass flow | 1 092 | kg/h | | | | | | |
| C.O.P. | 3.12 | | | | | | | |

| Pressure switch settings | | |
|---------------------------|------|--------|
| Maximum HP switch setting | 29.5 | bar(g) |
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| Sound power data | | |
| Sound power level | 88 | dB(A) |
| With accoustic hood | 76 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 60 Hz, ARI rating conditions

| Cond. temp. in | | | | Evapora | ting temperature i | n °C (to) | | | |
|----------------|-----|-----|-----|---------|--------------------|-----------|----|----|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| e comig capaci | ., | | | | | | | | |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 30 | 21 933 | 27 632 | 34 434 | 42 452 | 51 801 | 62 593 | 74 941 | 88 960 | - |
| 35 | 20 574 | 26 120 | 32 714 | 40 467 | 49 495 | 59 911 | 71 827 | 85 358 | - |
| 40 | 19 200 | 24 555 | 30 902 | 38 353 | 47 023 | 57 024 | 68 470 | 81 475 | - |
| 45 | - | 22 941 | 29 003 | 36 114 | 44 388 | 53 937 | 64 875 | 77 315 | - |
| 50 | - | - | 27 021 | 33 754 | 41 593 | 50 652 | 61 044 | 72 882 | - |
| 55 | - | - | - | 31 276 | 38 643 | 47 174 | 56 982 | 68 181 | - |
| 60 | - | - | - | - | 35 542 | 43 507 | 52 694 | 63 215 | - |
| 65 | - | - | - | - | 32 293 | 39 655 | 48 182 | 57 987 | - |

Power input in W

| 30 | 9 172 | 9 325 | 9 467 | 9 592 | 9 694 | 9 768 | 9 807 | 9 806 | - |
|----|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 10 194 | 10 352 | 10 500 | 10 634 | 10 746 | 10 832 | 10 885 | 10 899 | - |
| 40 | 11 344 | 11 508 | 11 664 | 11 807 | 11 931 | 12 029 | 12 097 | 12 128 | - |
| 45 | - | 12 809 | 12 974 | 13 128 | 13 264 | 13 377 | 13 461 | 13 510 | - |
| 50 | - | - | 14 447 | 14 613 | 14 762 | 14 891 | 14 992 | 15 060 | - |
| 55 | - | - | - | 16 276 | 16 441 | 16 586 | 16 706 | 16 794 | - |
| 60 | - | - | - | - | 18 316 | 18 479 | 18 618 | 18 728 | - |
| 65 | - | - | - | - | 20 404 | 20 586 | 20 746 | 20 878 | - |

Current consumption in A

| 30 | 15.98 | 16.16 | 16.32 | 16.46 | 16.56 | 16.62 | 16.63 | 16.58 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.05 | 17.23 | 17.41 | 17.56 | 17.67 | 17.75 | 17.79 | 17.76 | - |
| 40 | 18.30 | 18.50 | 18.68 | 18.85 | 18.99 | 19.09 | 19.14 | 19.15 | - |
| 45 | - | 19.98 | 20.18 | 20.36 | 20.52 | 20.64 | 20.73 | 20.76 | - |
| 50 | - | - | 21.92 | 22.12 | 22.30 | 22.45 | 22.56 | 22.63 | - |
| 55 | - | - | - | 24.15 | 24.35 | 24.53 | 24.68 | 24.78 | - |
| 60 | - | - | - | - | 26.72 | 26.92 | 27.10 | 27.24 | - |
| 65 | - | - | - | - | 29.41 | 29.65 | 29.86 | 30.03 | - |

Mass flow in kg/h

| 30 | 424 | 525 | 643 | 779 | 936 | 1 114 | 1 316 | 1 543 | - |
|----|-----|-----|-----|-----|-----|-------|-------|-------|---|
| 35 | 415 | 518 | 637 | 775 | 932 | 1 111 | 1 314 | 1 542 | - |
| 40 | 406 | 510 | 630 | 768 | 926 | 1 106 | 1 309 | 1 536 | - |
| 45 | - | 501 | 621 | 760 | 918 | 1 097 | 1 300 | 1 527 | - |
| 50 | - | - | 611 | 749 | 907 | 1 085 | 1 287 | 1 513 | - |
| 55 | - | - | - | 737 | 893 | 1 070 | 1 271 | 1 495 | - |
| 60 | - | - | - | - | 877 | 1 053 | 1 251 | 1 473 | - |
| 65 | - | - | - | - | 859 | 1 032 | 1 227 | 1 447 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.39 | 2.96 | 3.64 | 4.43 | 5.34 | 6.41 | 7.64 | 9.07 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 2.02 | 2.52 | 3.12 | 3.81 | 4.61 | 5.53 | 6.60 | 7.83 | - |
| 40 | 1.69 | 2.13 | 2.65 | 3.25 | 3.94 | 4.74 | 5.66 | 6.72 | - |
| 45 | - | 1.79 | 2.24 | 2.75 | 3.35 | 4.03 | 4.82 | 5.72 | - |
| 50 | - | - | 1.87 | 2.31 | 2.82 | 3.40 | 4.07 | 4.84 | - |
| 55 | - | - | - | 1.92 | 2.35 | 2.84 | 3.41 | 4.06 | - |
| 60 | - | - | - | - | 1.94 | 2.35 | 2.83 | 3.38 | - |
| 65 | - | - | - | - | 1.58 | 1.93 | 2.32 | 2.78 | - |

| Nominal performance at to = 7.2 °C, | tc = 54.4 °C | |
|-------------------------------------|--------------|------|
| Cooling capacity | 51 784 | W |
| Power input | 16 428 | W |
| Current consumption | 24.33 | A |
| Mass flow | 1 158 | kg/h |
| C.O.P. | 3.15 | |

| Maximum HP switch setting | 29.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 88 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

Pressure switch settings

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 60 Hz, EN 12900 rating conditions

| Cond. temp. in | | Evaporating temperature in °C (to) | | | | | | | |
|------------------|--------|---|--------|--------|--------|--------|--------|---|---|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | | |
| | | | | | | | | | |
| Cooling capacity | y in W | I Contraction of the second | | | | | | | |
| 35 | 16 000 | 20 225 | 25 236 | 31 119 | 37 962 | 45 851 | 54 872 | - | - |

| 40 | 15 015 | 19 091 | 23 920 | 29 589 | 36 184 | 43 790 | 52 494 | - | - |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 45 | 13 998 | 17 906 | 22 534 | 27 968 | 34 293 | 41 596 | 49 962 | - | - |
| 50 | 12 954 | 16 673 | 21 080 | 26 258 | 32 294 | 39 273 | 47 281 | - | - |
| 55 | - | 15 399 | 19 564 | 24 466 | 30 192 | 36 825 | 44 453 | - | - |
| 60 | - | - | 17 989 | 22 595 | 27 989 | 34 257 | 41 483 | - | - |
| 65 | - | - | - | 20 649 | 25 690 | 31 569 | 38 370 | - | - |
| 70 | - | - | - | 18 630 | 23 296 | 28 764 | 35 117 | - | - |

Power input in W

| 35 | 7 215 | 7 320 | 7 415 | 7 496 | 7 558 | 7 598 | 7 611 | - | - |
|----|-------|--------|--------|--------|--------|--------|--------|---|---|
| 40 | 7 940 | 8 052 | 8 155 | 8 245 | 8 319 | 8 371 | 8 397 | - | - |
| 45 | 8 756 | 8 875 | 8 987 | 9 088 | 9 173 | 9 238 | 9 280 | - | - |
| 50 | 9 669 | 9 796 | 9 918 | 10 030 | 10 128 | 10 207 | 10 265 | - | - |
| 55 | - | 10 821 | 10 953 | 11 078 | 11 189 | 11 285 | 11 359 | - | - |
| 60 | - | - | 12 100 | 12 238 | 12 364 | 12 476 | 12 568 | - | - |
| 65 | - | - | - | 13 517 | 13 659 | 13 788 | 13 899 | - | - |
| 70 | - | - | - | 14 921 | 15 080 | 15 227 | 15 357 | - | - |

Current consumption in A

| 35 | 13.89 | 14.00 | 14.09 | 14.17 | 14.23 | 14.26 | 14.27 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 14.61 | 14.73 | 14.84 | 14.93 | 15.00 | 15.05 | 15.08 | - | - |
| 45 | 15.46 | 15.59 | 15.71 | 15.81 | 15.90 | 15.97 | 16.02 | - | - |
| 50 | 16.45 | 16.59 | 16.72 | 16.84 | 16.95 | 17.04 | 17.11 | - | - |
| 55 | - | 17.74 | 17.89 | 18.03 | 18.15 | 18.27 | 18.36 | - | - |
| 60 | - | - | 19.23 | 19.38 | 19.53 | 19.66 | 19.78 | - | - |
| 65 | - | - | - | 20.93 | 21.10 | 21.25 | 21.39 | - | - |
| 70 | - | - | - | 22.67 | 22.86 | 23.04 | 23.21 | - | - |

Mass flow in kg/h

| 35 | 388 | 480 | 586 | 708 | 846 | 1 004 | 1 181 | - | - |
|----|-----|-----|-----|-----|-----|-------|-------|---|---|
| 40 | 383 | 475 | 583 | 705 | 845 | 1 003 | 1 181 | - | - |
| 45 | 377 | 470 | 578 | 702 | 842 | 1 001 | 1 179 | - | - |
| 50 | 370 | 464 | 572 | 697 | 837 | 997 | 1 175 | - | - |
| 55 | - | 457 | 565 | 690 | 831 | 990 | 1 169 | - | - |
| 60 | - | - | 557 | 681 | 822 | 981 | 1 160 | - | - |
| 65 | - | - | - | 671 | 812 | 970 | 1 148 | - | - |
| 70 | - | - | - | 659 | 799 | 957 | 1 134 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.22 | 2.76 | 3.40 | 4.15 | 5.02 | 6.03 | 7.21 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.89 | 2.37 | 2.93 | 3.59 | 4.35 | 5.23 | 6.25 | - | - |
| 45 | 1.60 | 2.02 | 2.51 | 3.08 | 3.74 | 4.50 | 5.38 | - | - |
| 50 | 1.34 | 1.70 | 2.13 | 2.62 | 3.19 | 3.85 | 4.61 | - | - |
| 55 | - | 1.42 | 1.79 | 2.21 | 2.70 | 3.26 | 3.91 | - | - |
| 60 | - | - | 1.49 | 1.85 | 2.26 | 2.75 | 3.30 | - | - |
| 65 | - | - | - | 1.53 | 1.88 | 2.29 | 2.76 | - | - |
| 70 | - | - | - | 1.25 | 1.54 | 1.89 | 2.29 | - | - |

| Nominal performance at to = 5 °C, tc = 50 °C | | | | | | | | |
|--|--------|------|--|--|--|--|--|--|
| Cooling capacity | 32 294 | W | | | | | | |
| Power input | 10 128 | W | | | | | | |
| Current consumption | 16.95 | A | | | | | | |
| Mass flow | 837 | kg/h | | | | | | |
| C.O.P. | 3.19 | | | | | | | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 60 Hz, ARI rating conditions

| Cond. temp. in | | | | Evapora | ting temperature in | n °C (to) | | |
|----------------|-----|-----|----|---------|---------------------|-----------|----|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| | · · | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 35 | 17 330 | 21 868 | 27 242 | 33 541 | 40 856 | 49 275 | 58 889 | - | - |
| 40 | 16 351 | 20 750 | 25 953 | 32 048 | 39 126 | 47 275 | 56 587 | - | - |
| 45 | 15 338 | 19 578 | 24 589 | 30 460 | 37 280 | 45 139 | 54 128 | - | - |
| 50 | 14 297 | 18 357 | 23 155 | 28 781 | 35 323 | 42 872 | 51 516 | - | - |
| 55 | - | 17 092 | 21 657 | 27 016 | 33 260 | 40 477 | 48 758 | - | - |
| 60 | - | - | 20 098 | 25 171 | 31 096 | 37 962 | 45 858 | - | - |
| 65 | - | - | - | 23 251 | 28 836 | 35 329 | 42 820 | - | - |
| 70 | - | - | - | 21 260 | 26 485 | 32 585 | 39 651 | - | - |

Power input in W

| 35 | 7 215 | 7 320 | 7 415 | 7 496 | 7 558 | 7 598 | 7 611 | - | - |
|----|-------|--------|--------|--------|--------|--------|--------|---|---|
| 40 | 7 940 | 8 052 | 8 155 | 8 245 | 8 319 | 8 371 | 8 397 | - | - |
| 45 | 8 756 | 8 875 | 8 987 | 9 088 | 9 173 | 9 238 | 9 280 | - | - |
| 50 | 9 669 | 9 796 | 9 918 | 10 030 | 10 128 | 10 207 | 10 265 | - | - |
| 55 | - | 10 821 | 10 953 | 11 078 | 11 189 | 11 285 | 11 359 | - | - |
| 60 | - | - | 12 100 | 12 238 | 12 364 | 12 476 | 12 568 | - | - |
| 65 | - | - | - | 13 517 | 13 659 | 13 788 | 13 899 | - | - |
| 70 | - | - | - | 14 921 | 15 080 | 15 227 | 15 357 | - | - |

Current consumption in A

| 35 | 13.89 | 14.00 | 14.09 | 14.17 | 14.23 | 14.26 | 14.27 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 14.61 | 14.73 | 14.84 | 14.93 | 15.00 | 15.05 | 15.08 | - | - |
| 45 | 15.46 | 15.59 | 15.71 | 15.81 | 15.90 | 15.97 | 16.02 | - | - |
| 50 | 16.45 | 16.59 | 16.72 | 16.84 | 16.95 | 17.04 | 17.11 | - | - |
| 55 | - | 17.74 | 17.89 | 18.03 | 18.15 | 18.27 | 18.36 | - | - |
| 60 | - | - | 19.23 | 19.38 | 19.53 | 19.66 | 19.78 | - | - |
| 65 | - | - | - | 20.93 | 21.10 | 21.25 | 21.39 | - | - |
| 70 | - | - | - | 22.67 | 22.86 | 23.04 | 23.21 | - | - |

Mass flow in kg/h

| 35 | 386 | 477 | 583 | 704 | 842 | 998 | 1 174 | - | - |
|----|-----|-----|-----|-----|-----|-----|-------|---|---|
| 40 | 381 | 473 | 580 | 702 | 841 | 998 | 1 175 | - | - |
| 45 | 375 | 468 | 575 | 698 | 838 | 996 | 1 173 | - | - |
| 50 | 368 | 462 | 570 | 693 | 833 | 991 | 1 169 | - | - |
| 55 | - | 454 | 563 | 686 | 826 | 985 | 1 162 | - | - |
| 60 | - | - | 554 | 678 | 818 | 976 | 1 153 | - | - |
| 65 | - | - | - | 668 | 807 | 965 | 1 142 | - | - |
| 70 | - | - | - | 656 | 795 | 952 | 1 128 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.40 | 2.99 | 3.67 | 4.47 | 5.41 | 6.49 | 7.74 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 2.06 | 2.58 | 3.18 | 3.89 | 4.70 | 5.65 | 6.74 | - | - |
| 45 | 1.75 | 2.21 | 2.74 | 3.35 | 4.06 | 4.89 | 5.83 | - | - |
| 50 | 1.48 | 1.87 | 2.33 | 2.87 | 3.49 | 4.20 | 5.02 | - | - |
| 55 | - | 1.58 | 1.98 | 2.44 | 2.97 | 3.59 | 4.29 | - | - |
| 60 | - | - | 1.66 | 2.06 | 2.51 | 3.04 | 3.65 | - | - |
| 65 | - | - | - | 1.72 | 2.11 | 2.56 | 3.08 | - | - |
| 70 | - | - | - | 1.42 | 1.76 | 2.14 | 2.58 | - | - |

| Nominal performance at to = 7.2 °C, tc = 54.4 °C | | | | | | | |
|--|--------|------|--|--|--|--|--|
| Cooling capacity | 36 581 | W | | | | | |
| Power input | 11 099 | W | | | | | |
| Current consumption | 18.05 | Α | | | | | |
| Mass flow | 895 | kg/h | | | | | |
| COP | 3 30 | | | | | | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 60 Hz, EN 12900 rating conditions

| Cond. temp. in | | Evaporating temperature in °C (to) | | | | | | | | |
|------------------|--------|------------------------------------|--------|--------|--------|--------|--------|---|---|--|
| °C (tc) | -15 | 15 -10 -5 0 5 10 15 | | | | | | | | |
| | | | | | | | | | | |
| Cooling capacity | y in W | | | | | | | | | |
| 35 | 16 000 | 20 225 | 25 236 | 31 119 | 37 962 | 45 851 | 54 872 | - | - | |

| 40 | 15 015 | 19 091 | 23 920 | 29 589 | 36 184 | 43 790 | 52 494 | - | - |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 45 | 13 998 | 17 906 | 22 534 | 27 968 | 34 293 | 41 596 | 49 962 | - | - |
| 50 | 12 954 | 16 673 | 21 080 | 26 258 | 32 294 | 39 273 | 47 281 | - | - |
| 55 | - | 15 399 | 19 564 | 24 466 | 30 192 | 36 825 | 44 453 | - | - |
| 60 | - | - | 17 989 | 22 595 | 27 989 | 34 257 | 41 483 | - | - |
| 65 | - | - | - | 20 649 | 25 690 | 31 569 | 38 370 | - | - |
| 70 | - | - | - | 18 630 | 23 296 | 28 764 | 35 117 | - | - |

Power input in W

| 35 | 7 215 | 7 320 | 7 415 | 7 496 | 7 558 | 7 598 | 7 611 | - | - |
|----|-------|--------|--------|--------|--------|--------|--------|---|---|
| 40 | 7 940 | 8 052 | 8 155 | 8 245 | 8 319 | 8 371 | 8 397 | - | - |
| 45 | 8 756 | 8 875 | 8 987 | 9 088 | 9 173 | 9 238 | 9 280 | - | - |
| 50 | 9 669 | 9 796 | 9 918 | 10 030 | 10 128 | 10 207 | 10 265 | - | - |
| 55 | - | 10 821 | 10 953 | 11 078 | 11 189 | 11 285 | 11 359 | - | - |
| 60 | - | - | 12 100 | 12 238 | 12 364 | 12 476 | 12 568 | - | - |
| 65 | - | - | - | 13 517 | 13 659 | 13 788 | 13 899 | - | - |
| 70 | - | - | - | 14 921 | 15 080 | 15 227 | 15 357 | - | - |

Current consumption in A

| 35 | 13.89 | 14.00 | 14.09 | 14.17 | 14.23 | 14.26 | 14.27 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 14.61 | 14.73 | 14.84 | 14.93 | 15.00 | 15.05 | 15.08 | - | - |
| 45 | 15.46 | 15.59 | 15.71 | 15.81 | 15.90 | 15.97 | 16.02 | - | - |
| 50 | 16.45 | 16.59 | 16.72 | 16.84 | 16.95 | 17.04 | 17.11 | - | - |
| 55 | - | 17.74 | 17.89 | 18.03 | 18.15 | 18.27 | 18.36 | - | - |
| 60 | - | - | 19.23 | 19.38 | 19.53 | 19.66 | 19.78 | - | - |
| 65 | - | - | - | 20.93 | 21.10 | 21.25 | 21.39 | - | - |
| 70 | - | - | - | 22.67 | 22.86 | 23.04 | 23.21 | - | - |

Mass flow in kg/h

| 35 | 388 | 480 | 586 | 708 | 846 | 1 004 | 1 181 | - | - |
|----|-----|-----|-----|-----|-----|-------|-------|---|---|
| 40 | 383 | 475 | 583 | 705 | 845 | 1 003 | 1 181 | - | - |
| 45 | 377 | 470 | 578 | 702 | 842 | 1 001 | 1 179 | - | - |
| 50 | 370 | 464 | 572 | 697 | 837 | 997 | 1 175 | - | - |
| 55 | - | 457 | 565 | 690 | 831 | 990 | 1 169 | - | - |
| 60 | - | - | 557 | 681 | 822 | 981 | 1 160 | - | - |
| 65 | - | - | - | 671 | 812 | 970 | 1 148 | - | - |
| 70 | - | - | - | 659 | 799 | 957 | 1 134 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.22 | 2.76 | 3.40 | 4.15 | 5.02 | 6.03 | 7.21 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 1.89 | 2.37 | 2.93 | 3.59 | 4.35 | 5.23 | 6.25 | - | - |
| 45 | 1.60 | 2.02 | 2.51 | 3.08 | 3.74 | 4.50 | 5.38 | - | - |
| 50 | 1.34 | 1.70 | 2.13 | 2.62 | 3.19 | 3.85 | 4.61 | - | - |
| 55 | - | 1.42 | 1.79 | 2.21 | 2.70 | 3.26 | 3.91 | - | - |
| 60 | - | - | 1.49 | 1.85 | 2.26 | 2.75 | 3.30 | - | - |
| 65 | - | - | - | 1.53 | 1.88 | 2.29 | 2.76 | - | - |
| 70 | - | - | - | 1.25 | 1.54 | 1.89 | 2.29 | - | - |

| Nominal performance at to = 5 °C, t | tc = 50 °C | |
|-------------------------------------|------------|------|
| Cooling capacity | 32 294 | W |
| Power input | 10 128 | W |
| Current consumption | 16.95 | A |
| Mass flow | 837 | kg/h |
| C.O.P. | 3.19 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R134a

Performance data at 60 Hz, ARI rating conditions

| Cond. temp. in | | | | Evapora | ting temperature in | n °C (to) | | |
|----------------|-----|-----|----|---------|---------------------|-----------|----|--|
| °C (tc) | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| | · · | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|---|---|
| 35 | 17 330 | 21 868 | 27 242 | 33 541 | 40 856 | 49 275 | 58 889 | - | - |
| 40 | 16 351 | 20 750 | 25 953 | 32 048 | 39 126 | 47 275 | 56 587 | - | - |
| 45 | 15 338 | 19 578 | 24 589 | 30 460 | 37 280 | 45 139 | 54 128 | - | - |
| 50 | 14 297 | 18 357 | 23 155 | 28 781 | 35 323 | 42 872 | 51 516 | - | - |
| 55 | - | 17 092 | 21 657 | 27 016 | 33 260 | 40 477 | 48 758 | - | - |
| 60 | - | - | 20 098 | 25 171 | 31 096 | 37 962 | 45 858 | - | - |
| 65 | - | - | - | 23 251 | 28 836 | 35 329 | 42 820 | - | - |
| 70 | - | - | - | 21 260 | 26 485 | 32 585 | 39 651 | - | - |

Power input in W

| 35 | 7 215 | 7 320 | 7 415 | 7 496 | 7 558 | 7 598 | 7 611 | - | - |
|----|-------|--------|--------|--------|--------|--------|--------|---|---|
| 40 | 7 940 | 8 052 | 8 155 | 8 245 | 8 319 | 8 371 | 8 397 | - | - |
| 45 | 8 756 | 8 875 | 8 987 | 9 088 | 9 173 | 9 238 | 9 280 | - | - |
| 50 | 9 669 | 9 796 | 9 918 | 10 030 | 10 128 | 10 207 | 10 265 | - | - |
| 55 | - | 10 821 | 10 953 | 11 078 | 11 189 | 11 285 | 11 359 | - | - |
| 60 | - | - | 12 100 | 12 238 | 12 364 | 12 476 | 12 568 | - | - |
| 65 | - | - | - | 13 517 | 13 659 | 13 788 | 13 899 | - | - |
| 70 | - | - | - | 14 921 | 15 080 | 15 227 | 15 357 | - | - |

Current consumption in A

| 35 | 13.89 | 14.00 | 14.09 | 14.17 | 14.23 | 14.26 | 14.27 | - | - |
|----|-------|-------|-------|-------|-------|-------|-------|---|---|
| 40 | 14.61 | 14.73 | 14.84 | 14.93 | 15.00 | 15.05 | 15.08 | - | - |
| 45 | 15.46 | 15.59 | 15.71 | 15.81 | 15.90 | 15.97 | 16.02 | - | - |
| 50 | 16.45 | 16.59 | 16.72 | 16.84 | 16.95 | 17.04 | 17.11 | - | - |
| 55 | - | 17.74 | 17.89 | 18.03 | 18.15 | 18.27 | 18.36 | - | - |
| 60 | - | - | 19.23 | 19.38 | 19.53 | 19.66 | 19.78 | - | - |
| 65 | - | - | - | 20.93 | 21.10 | 21.25 | 21.39 | - | - |
| 70 | - | - | - | 22.67 | 22.86 | 23.04 | 23.21 | - | - |

Mass flow in kg/h

| 35 | 386 | 477 | 583 | 704 | 842 | 998 | 1 174 | - | - |
|----|-----|-----|-----|-----|-----|-----|-------|---|---|
| 40 | 381 | 473 | 580 | 702 | 841 | 998 | 1 175 | - | - |
| 45 | 375 | 468 | 575 | 698 | 838 | 996 | 1 173 | - | - |
| 50 | 368 | 462 | 570 | 693 | 833 | 991 | 1 169 | - | - |
| 55 | - | 454 | 563 | 686 | 826 | 985 | 1 162 | - | - |
| 60 | - | - | 554 | 678 | 818 | 976 | 1 153 | - | - |
| 65 | - | - | - | 668 | 807 | 965 | 1 142 | - | - |
| 70 | - | - | - | 656 | 795 | 952 | 1 128 | - | - |

Coefficient of performance (C.O.P.)

| 35 | 2.40 | 2.99 | 3.67 | 4.47 | 5.41 | 6.49 | 7.74 | - | - |
|----|------|------|------|------|------|------|------|---|---|
| 40 | 2.06 | 2.58 | 3.18 | 3.89 | 4.70 | 5.65 | 6.74 | - | - |
| 45 | 1.75 | 2.21 | 2.74 | 3.35 | 4.06 | 4.89 | 5.83 | - | - |
| 50 | 1.48 | 1.87 | 2.33 | 2.87 | 3.49 | 4.20 | 5.02 | - | - |
| 55 | - | 1.58 | 1.98 | 2.44 | 2.97 | 3.59 | 4.29 | - | - |
| 60 | - | - | 1.66 | 2.06 | 2.51 | 3.04 | 3.65 | - | - |
| 65 | - | - | - | 1.72 | 2.11 | 2.56 | 3.08 | - | - |
| 70 | - | - | - | 1.42 | 1.76 | 2.14 | 2.58 | - | - |

| Nominal performance at to = 7.2 °C, | tc = 54.4 °C | |
|-------------------------------------|--------------|------|
| Cooling capacity | 36 581 | W |
| Power input | 11 099 | W |
| Current consumption | 18.05 | Α |
| Mass flow | 895 | kg/h |
| COP | 3 30 | |

| Maximum HP switch setting | 20.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 0.5 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 0 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 60 Hz, EN 12900 rating conditions

| Cond. temp. in | | | | Evapor | ating temperature ir | n °C (to) | | | |
|------------------|--------|--------|--------|--------|----------------------|-----------|--------|--------|---|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |
| | | | | | | | | | |
| Cooling capacity | y in W | | | | | | | | |
| 30 | 20 450 | 25 793 | 32 178 | 39 714 | 48 510 | 58 674 | 70 316 | 83 546 | - |
| 35 | 19 090 | 24 267 | 30 430 | 37 687 | 46 148 | 55 919 | 67 112 | 79 834 | - |
| 40 | 17 715 | 22 689 | 28 593 | 35 535 | 43 622 | 52 964 | 63 668 | 75 844 | - |
| 45 | - | 21 063 | 26 671 | 33 259 | 40 937 | 49 810 | 59 989 | 71 580 | - |
| 50 | - | - | 24 667 | 30 865 | 38 095 | 46 463 | 56 077 | 67 045 | - |
| 55 | - | - | - | 28 356 | 35 101 | 42 925 | 51 935 | 62 240 | - |
| 60 | - | - | - | - | 31 955 | 39 196 | 47 564 | 57 165 | - |
| 65 | - | - | - | - | 28 657 | 35 276 | 42 960 | 51 813 | - |

Power input in W

| 30 | 9 172 | 9 325 | 9 467 | 9 592 | 9 694 | 9 768 | 9 807 | 9 806 | - |
|----|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 10 194 | 10 352 | 10 500 | 10 634 | 10 746 | 10 832 | 10 885 | 10 899 | - |
| 40 | 11 344 | 11 508 | 11 664 | 11 807 | 11 931 | 12 029 | 12 097 | 12 128 | - |
| 45 | - | 12 809 | 12 974 | 13 128 | 13 264 | 13 377 | 13 461 | 13 510 | - |
| 50 | - | - | 14 447 | 14 613 | 14 762 | 14 891 | 14 992 | 15 060 | - |
| 55 | - | - | - | 16 276 | 16 441 | 16 586 | 16 706 | 16 794 | - |
| 60 | - | - | - | - | 18 316 | 18 479 | 18 618 | 18 728 | - |
| 65 | - | - | - | - | 20 404 | 20 586 | 20 746 | 20 878 | - |

Current consumption in A

| 30 | 15.98 | 16.16 | 16.32 | 16.46 | 16.56 | 16.62 | 16.63 | 16.58 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.05 | 17.23 | 17.41 | 17.56 | 17.67 | 17.75 | 17.79 | 17.76 | - |
| 40 | 18.30 | 18.50 | 18.68 | 18.85 | 18.99 | 19.09 | 19.14 | 19.15 | - |
| 45 | - | 19.98 | 20.18 | 20.36 | 20.52 | 20.64 | 20.73 | 20.76 | - |
| 50 | - | - | 21.92 | 22.12 | 22.30 | 22.45 | 22.56 | 22.63 | - |
| 55 | - | - | - | 24.15 | 24.35 | 24.53 | 24.68 | 24.78 | - |
| 60 | - | - | - | - | 26.72 | 26.92 | 27.10 | 27.24 | - |
| 65 | - | - | - | - | 29.41 | 29.65 | 29.86 | 30.03 | - |

Mass flow in kg/h

| 30 | 426 | 528 | 646 | 783 | 941 | 1 120 | 1 323 | 1 552 | - |
|----|-----|-----|-----|-----|-----|-------|-------|-------|---|
| 35 | 418 | 521 | 641 | 779 | 938 | 1 118 | 1 322 | 1 551 | - |
| 40 | 408 | 513 | 633 | 773 | 932 | 1 112 | 1 317 | 1 546 | - |
| 45 | - | 504 | 625 | 764 | 923 | 1 104 | 1 307 | 1 536 | - |
| 50 | - | - | 615 | 753 | 912 | 1 092 | 1 295 | 1 522 | - |
| 55 | - | - | - | 741 | 898 | 1 077 | 1 278 | 1 504 | - |
| 60 | - | - | - | - | 882 | 1 059 | 1 258 | 1 482 | - |
| 65 | - | - | - | - | 864 | 1 038 | 1 234 | 1 455 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.23 | 2.77 | 3.40 | 4.14 | 5.00 | 6.01 | 7.17 | 8.52 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 1.87 | 2.34 | 2.90 | 3.54 | 4.29 | 5.16 | 6.17 | 7.32 | - |
| 40 | 1.56 | 1.97 | 2.45 | 3.01 | 3.66 | 4.40 | 5.26 | 6.25 | - |
| 45 | - | 1.64 | 2.06 | 2.53 | 3.09 | 3.72 | 4.46 | 5.30 | - |
| 50 | - | - | 1.71 | 2.11 | 2.58 | 3.12 | 3.74 | 4.45 | - |
| 55 | - | - | - | 1.74 | 2.13 | 2.59 | 3.11 | 3.71 | - |
| 60 | - | - | - | - | 1.74 | 2.12 | 2.55 | 3.05 | - |
| 65 | - | - | - | - | 1.40 | 1.71 | 2.07 | 2.48 | - |

| Nominal performance at to = 5 °C, t | tc = 50 °C | |
|-------------------------------------|------------|------|
| Cooling capacity | 46 463 | W |
| Power input | 14 891 | W |
| Current consumption | 22.45 | A |
| Mass flow | 1 092 | kg/h |
| C.O.P. | 3.12 | |

| Pressure switch settings | | |
|---------------------------|------|--------|
| Maximum HP switch setting | 29.5 | bar(g) |
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| Sound power data | | |
| Sound power level | 88 | dB(A) |
| With accoustic hood | 76 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 10 K , Subcooling = 0 K

Tolerance according EN12900

Danfoss scroll compressor. SZ185-4

Danfoss

R407C

Performance data at 60 Hz, ARI rating conditions

| Cond. temp. in | | | | Evapora | ting temperature in | n °C (to) | | | |
|----------------|-----|-----|-----|---------|---------------------|-----------|----|----|--|
| °C (tc) | -20 | -15 | -10 | -5 | 0 | 5 | 10 | 15 | |

Cooling capacity in W

| e e e e mig e apael | ., | | | | | | | | |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 30 | 21 933 | 27 632 | 34 434 | 42 452 | 51 801 | 62 593 | 74 941 | 88 960 | - |
| 35 | 20 574 | 26 120 | 32 714 | 40 467 | 49 495 | 59 911 | 71 827 | 85 358 | - |
| 40 | 19 200 | 24 555 | 30 902 | 38 353 | 47 023 | 57 024 | 68 470 | 81 475 | - |
| 45 | - | 22 941 | 29 003 | 36 114 | 44 388 | 53 937 | 64 875 | 77 315 | - |
| 50 | - | - | 27 021 | 33 754 | 41 593 | 50 652 | 61 044 | 72 882 | - |
| 55 | - | - | - | 31 276 | 38 643 | 47 174 | 56 982 | 68 181 | - |
| 60 | - | - | - | - | 35 542 | 43 507 | 52 694 | 63 215 | - |
| 65 | - | - | - | - | 32 293 | 39 655 | 48 182 | 57 987 | - |

Power input in W

| 30 | 9 172 | 9 325 | 9 467 | 9 592 | 9 694 | 9 768 | 9 807 | 9 806 | - |
|----|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 35 | 10 194 | 10 352 | 10 500 | 10 634 | 10 746 | 10 832 | 10 885 | 10 899 | - |
| 40 | 11 344 | 11 508 | 11 664 | 11 807 | 11 931 | 12 029 | 12 097 | 12 128 | - |
| 45 | - | 12 809 | 12 974 | 13 128 | 13 264 | 13 377 | 13 461 | 13 510 | - |
| 50 | - | - | 14 447 | 14 613 | 14 762 | 14 891 | 14 992 | 15 060 | - |
| 55 | - | - | - | 16 276 | 16 441 | 16 586 | 16 706 | 16 794 | - |
| 60 | - | - | - | - | 18 316 | 18 479 | 18 618 | 18 728 | - |
| 65 | - | - | - | - | 20 404 | 20 586 | 20 746 | 20 878 | - |

Current consumption in A

| 30 | 15.98 | 16.16 | 16.32 | 16.46 | 16.56 | 16.62 | 16.63 | 16.58 | - |
|----|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35 | 17.05 | 17.23 | 17.41 | 17.56 | 17.67 | 17.75 | 17.79 | 17.76 | - |
| 40 | 18.30 | 18.50 | 18.68 | 18.85 | 18.99 | 19.09 | 19.14 | 19.15 | - |
| 45 | - | 19.98 | 20.18 | 20.36 | 20.52 | 20.64 | 20.73 | 20.76 | - |
| 50 | - | - | 21.92 | 22.12 | 22.30 | 22.45 | 22.56 | 22.63 | - |
| 55 | - | - | - | 24.15 | 24.35 | 24.53 | 24.68 | 24.78 | - |
| 60 | - | - | - | - | 26.72 | 26.92 | 27.10 | 27.24 | - |
| 65 | - | - | - | - | 29.41 | 29.65 | 29.86 | 30.03 | - |

Mass flow in kg/h

| 30 | 424 | 525 | 643 | 779 | 936 | 1 114 | 1 316 | 1 543 | - |
|----|-----|-----|-----|-----|-----|-------|-------|-------|---|
| 35 | 415 | 518 | 637 | 775 | 932 | 1 111 | 1 314 | 1 542 | - |
| 40 | 406 | 510 | 630 | 768 | 926 | 1 106 | 1 309 | 1 536 | - |
| 45 | - | 501 | 621 | 760 | 918 | 1 097 | 1 300 | 1 527 | - |
| 50 | - | - | 611 | 749 | 907 | 1 085 | 1 287 | 1 513 | - |
| 55 | - | - | - | 737 | 893 | 1 070 | 1 271 | 1 495 | - |
| 60 | - | - | - | - | 877 | 1 053 | 1 251 | 1 473 | - |
| 65 | - | - | - | - | 859 | 1 032 | 1 227 | 1 447 | - |

Coefficient of performance (C.O.P.)

| 30 | 2.39 | 2.96 | 3.64 | 4.43 | 5.34 | 6.41 | 7.64 | 9.07 | - |
|----|------|------|------|------|------|------|------|------|---|
| 35 | 2.02 | 2.52 | 3.12 | 3.81 | 4.61 | 5.53 | 6.60 | 7.83 | - |
| 40 | 1.69 | 2.13 | 2.65 | 3.25 | 3.94 | 4.74 | 5.66 | 6.72 | - |
| 45 | - | 1.79 | 2.24 | 2.75 | 3.35 | 4.03 | 4.82 | 5.72 | - |
| 50 | - | - | 1.87 | 2.31 | 2.82 | 3.40 | 4.07 | 4.84 | - |
| 55 | - | - | - | 1.92 | 2.35 | 2.84 | 3.41 | 4.06 | - |
| 60 | - | - | - | - | 1.94 | 2.35 | 2.83 | 3.38 | - |
| 65 | - | - | - | - | 1.58 | 1.93 | 2.32 | 2.78 | - |

| Nominal performance at to = 7.2 °C, | tc = 54.4 °C | |
|-------------------------------------|--------------|------|
| Cooling capacity | 51 784 | W |
| Power input | 16 428 | W |
| Current consumption | 24.33 | A |
| Mass flow | 1 158 | kg/h |
| C.O.P. | 3.15 | |

| Maximum HP switch setting | 29.5 | bar(g) |
|------------------------------------|------|--------|
| Minimum LP switch setting | 0.5 | bar(g) |
| LP pump down setting | 1 | bar(g) |
| | | |
| | | |
| Sound power data | | |
| Sound power data Sound power level | 88 | dB(A) |

to: Evaporating temperature at dew point

tc: Condensing temperature at dew point

Rating conditions : Superheat = 11.1 K , Subcooling = 8.3 K

Tolerance according EN12900

Pressure switch settings



Scroll compressor

