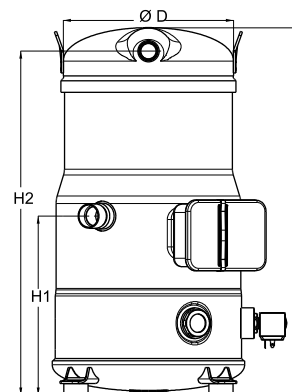


General Characteristics

| | | |
|---|--|---------------------|
| Model number (on compressor nameplate) | | VZH088AGANA |
| Code number for Singlepack* | | 120G0010 |
| Code number for Industrial pack** | | 120G0078 |
| Drawing number | | 8560025e |
| Suction and discharge connections | | Brazed |
| Suction connection | | 1-1/8 " ODF |
| Discharge connection | | 7/8 " ODF |
| Oil sight glass | | Threaded |
| Oil equalization connection | | 1-3/4" Rotolock |
| Oil drain connection | | None |
| LP gauge port | | Schrader |
| IPR valve | | None |
| Swept volume | | 5.39 in3/rev |
| Net weight | | 121 lbs |
| Oil charge | | 112 oz, POE - 160SZ |
| Maximum system test pressure Low Side / High side | | 483 psi / 653 psi |
| Maximum differential test pressure | | 537 psi |
| Maximum number of starts per hour | | 12 |
| Refrigerant charge limit | | 13 lbs |
| Approved refrigerants | | R410A |

Dimensions

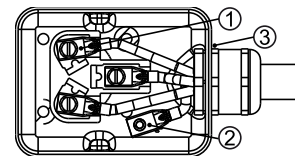


D=9.6 inch, H=19.1 inch,
H1=9.3 inch, H2=17.8 inch, H3=- inch

Electrical Characteristics

| | | |
|--|--|--|
| Nominal voltage | Frequency converter CDS303 required with supply voltage 380-480V/3/50-60Hz | |
| Voltage range | 342-528 V supply to frequency converter | |
| Winding resistance (between phases) +/- 7% at 77°F | 0.10 Ω | |
| Rated Load Amps (RLA) | 37.5 A | |
| Maximum Must Trip current (MMT) | 46.9 A | |
| Motor protection | Motor protection by frequency converter | |

Terminal box



IP54 (with cable gland)
1: Power connection, 3 x 4.8 mm (3/16")
2: Earth M4
3: Hole Ø 33 mm (1.30")

Recommended Installation torques

| | |
|--------------------------------------|---------------------|
| Oil sight glass | 37 ft.lbs |
| Power connections / Earth connection | 2 ft.lbs / 1 ft.lbs |
| Mounting bolts | 11 ft.lbs |

Parts shipped with compressor

| |
|--|
| Mounting kit with grommets and sleeves |
| Initial oil charge |
| Installation instructions |

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

*Singlepack: Compressor in cardboard box

**Industrial pack: 8 Unboxed compressors on pallet (order per multiples of 8)

| Rotolock accessories, suction side | Code no. |
|---|-----------------|
| Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF) | 8153004 |
| Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168005 |
| Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168028 |
| Gasket, 1-3/4" | 8156132 |

| Rotolock accessories, discharge side | Code no. |
|---|-----------------|
| Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF) | 8168030 |
| Gasket, 1-3/4" | 8156132 |

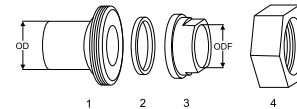
| Rotolock accessories, sets | Code no. |
|---|-----------------|
| Solder sleeve adapter set, 1-1/8" ODF & 7/8" ODF | 120Z0125 |
| Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8") | 120Z0403 |
| Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white | 8156009 |

| Oil / lubricants | Code no. |
|-----------------------------------|-----------------|
| POE lubricant, 160SZ, 1 liter can | 7754023 |
| POE lubricant, 160SZ, 2 liter can | 120Z0571 |

| Crankcase heaters | Code no. |
|--|-----------------|
| Surface sump heater, 80 W, 24 V, CE mark, UL | 120Z0388 |
| Surface sump heater, 80 W, 230 V, CE mark, UL | 120Z0389 |
| Surface sump heater, 80 W, 400 V, CE mark, UL | 120Z0390 |
| Surface sump heater, 80 W, 460 V, CE mark, UL | 120Z0391 |
| Surface sump heater, 80 W, 575 V, CE mark, UL | 120Z0402 |
| Belt type crankcase heater, 65 W, 110 V, CE mark, UL | 7773109 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 7773107 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 120Z0038 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 7773117 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 120Z0039 |
| Belt type crankcase heater, 65 W, 460 V, CE mark, UL | 120Z0466 |
| Belt type crankcase heater, 65 W, 575 V, CE mark, UL | 120Z0467 |

| Miscellaneous accessories | Code no. |
|--|-----------------|
| Discharge temperature sensor / converter | 120Z0157 |
| Discharge temperature sensor | 120Z0158 |
| Discharge temperature converter | 120Z0159 |
| Acoustic hood for VZH | 120Z0509 |
| Discharge thermostat kit | 7750009 |

| Spare parts | Code no. |
|--|-----------------|
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers | 120Z0066 |
| Oil sight glass with gaskets (black & white) | 8156019 |
| Gasket for oil sight glass (white teflon) | 8156129 |
| Terminal box incl cover | 120Z0146 |
| Terminal box cover | 120Z0149 |
| T block connector 2.1" x 2.3" | 8173230 |
| Coil / 230V | 120Z0143 |
| Coil / 24V | 120Z0144 |

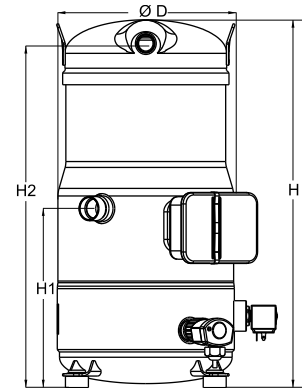
Solder sleeve adapter set


- 1: Rotolock adapter (Suc & Dis)
- 2: Gasket (Suc & Dis)
- 3: Solder sleeve (Suc & Dis)
- 4: Rotolock nut (Suc & Dis)

General Characteristics

| | | |
|---|--|---------------------|
| Model number (on compressor nameplate) | | VZH088AGBNA |
| Code number for Singlepack* | | 120G0022 |
| Code number for Industrial pack** | | 120G0090 |
| Drawing number | | 8560055b |
| Suction and discharge connections | | Brazed |
| Suction connection | | 1-1/8" ODF |
| Discharge connection | | 7/8" ODF |
| Oil sight glass | | None |
| Oil equalization connection | | 1-3/4" Rotolock |
| Oil drain connection | | None |
| LP gauge port | | Schrader |
| IPR valve | | None |
| Swept volume | | 5.39 in3/rev |
| Net weight | | 121 lbs |
| Oil charge | | 112 oz, POE - 160SZ |
| Maximum system test pressure Low Side / High side | | 483 psi / 653 psi |
| Maximum differential test pressure | | 537 psi |
| Maximum number of starts per hour | | 12 |
| Refrigerant charge limit | | 13 lbs |
| Approved refrigerants | | R410A |

Dimensions

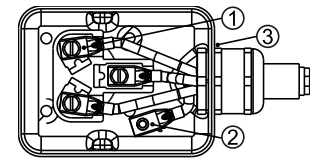


D=9.6 inch, H=19.1 inch,
H1=9.3 inch, H2=17.8 inch, H3=- inch

Electrical Characteristics

| | | |
|--|--|--|
| Nominal voltage | Frequency converter CDS303 required with supply voltage 380-480V/3/50-60Hz | |
| Voltage range | 342-528 V supply to frequency converter | |
| Winding resistance (between phases) +/- 7% at 77°F | 0.10 Ω | |
| Rated Load Amps (RLA) | 37.5 A | |
| Maximum Must Trip current (MMT) | 46.9 A | |
| Motor protection | Motor protection by frequency converter | |

Terminal box



IP54 (with cable gland)
1: Power connection, 3 x 4.8 mm (3/16")
2: Earth M4
3: Hole Ø 33 mm (1.30")

Recommended Installation torques

| | |
|--------------------------------------|---------------------|
| Power connections / Earth connection | 2 ft.lbs / 1 ft.lbs |
| Mounting bolts | 11 ft.lbs |

Parts shipped with compressor

| |
|--|
| Mounting kit with grommets and sleeves |
| Initial oil charge |
| Installation instructions |

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

*Singlepack: Compressor in cardboard box

**Industrial pack: 8 Unboxed compressors on pallet (order per multiples of 8)

| Rotolock accessories, suction side | Code no. |
|---|----------|
| Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF) | 8153004 |
| Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168005 |
| Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168028 |
| Gasket, 1-3/4" | 8156132 |

| Rotolock accessories, discharge side | Code no. |
|---|----------|
| Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF) | 8168030 |
| Gasket, 1-3/4" | 8156132 |

| Rotolock accessories, sets | Code no. |
|---|----------|
| Solder sleeve adapter set, 1-1/8" ODF & 7/8" ODF | 120Z0125 |
| Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8") | 120Z0403 |
| Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white | 8156009 |

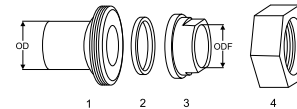
| Oil / lubricants | Code no. |
|-----------------------------------|----------|
| POE lubricant, 160SZ, 1 liter can | 7754023 |
| POE lubricant, 160SZ, 2 liter can | 120Z0571 |

| Crankcase heaters | Code no. |
|--|----------|
| Surface sump heater, 80 W, 24 V, CE mark, UL | 120Z0388 |
| Surface sump heater, 80 W, 230 V, CE mark, UL | 120Z0389 |
| Surface sump heater, 80 W, 400 V, CE mark, UL | 120Z0390 |
| Surface sump heater, 80 W, 460 V, CE mark, UL | 120Z0391 |
| Surface sump heater, 80 W, 575 V, CE mark, UL | 120Z0402 |
| Belt type crankcase heater, 65 W, 110 V, CE mark, UL | 7773109 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 7773107 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 120Z0038 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 7773117 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 120Z0039 |
| Belt type crankcase heater, 65 W, 460 V, CE mark, UL | 120Z0466 |
| Belt type crankcase heater, 65 W, 575 V, CE mark, UL | 120Z0467 |

| Miscellaneous accessories | Code no. |
|--|----------|
| Discharge temperature sensor / converter | 120Z0157 |
| Discharge temperature sensor | 120Z0158 |
| Discharge temperature converter | 120Z0159 |
| Acoustic hood for scroll compressor VZH | 120Z0511 |
| Discharge thermostat kit | 7750009 |
| Hybrid Manifolding Kit for VZH088+SH090 VZH117+SH140 VZH117+SH161 24V | 120Z0653 |
| Hybrid Manifolding Kit for VZH088+SH120 VZH117+SH184 24V | 120Z0651 |
| Hybrid Manifolding Kit for VZH088+SH090 VZH117+SH140 VZH117+SH161 230V | 120Z0654 |
| Hybrid Manifolding Kit for VZH088+SH120 VZH117+SH184 230V | 120Z0652 |
| Suction separator for VZH088+SH090 (50Hz) | 120Z0676 |
| Suction separator for VZH088+SH090 (60Hz) | 120Z0675 |
| Suction separator for VZH088+SH120 (50Hz) | 120Z0664 |
| Suction separator for VZH088+SH120 (60Hz) | 120Z0658 |
| Oil level sensor electrical part 24VAC/VDC | 120Z0561 |
| Oil level sensor electrical part 230VAC | 120Z0562 |

| Spare parts | Code no. |
|--|----------|
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers | 120Z0066 |
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers | 120Z0495 |
| Gasket for oil sight glass (white teflon) | 8156129 |
| Terminal box incl cover | 120Z0146 |
| Terminal box cover | 120Z0149 |
| T block connector 2.1" x 2.3" | 8173230 |

Coil / 230V
 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.
 Coil / 24V
 Danfoss applies to products already on order provided that such alterations can be made sequentially. Changes being necessary in specifications already agreed.
 All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logo type and Performer are trademarks of Danfoss A/S. All rights reserved.
 Oil level sensor screw in mechanical part
 120Z0560

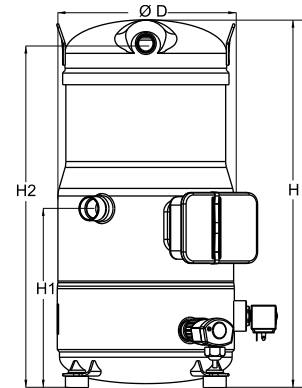
Solder sleeve adapter set


- 1: Rotolock adapter (Suc & Dis)
- 2: Gasket (Suc & Dis)
- 3: Solder sleeve (Suc & Dis)
- 4: Rotolock nut (Suc & Dis)

General Characteristics

| | | |
|---|---------------------------|--------------------|
| Model number (on compressor nameplate) | | VZH088AGDNA |
| Code number for Singlepack* | | 120G0102 |
| Drawing number | | 8560097b |
| Suction and discharge connections | | Brazed |
| Suction connection | | 1-1/8" ODF |
| Discharge connection | | 7/8" ODF |
| Oil sight glass | | Installed on OEQ |
| Oil equalization connection | | 1-3/4" Rotolock |
| Oil drain connection | | None |
| LP gauge port | | Schrader |
| IPR valve | | None |
| Swept volume | 5.39 in ³ /rev | |
| Net weight | 121 lbs | |
| Oil charge | 128 oz, POE - 160SZ | |
| Maximum system test pressure Low Side / High side | 483 psi / 653 psi | |
| Maximum differential test pressure | 537 psi | |
| Maximum number of starts per hour | 12 | |
| Refrigerant charge limit | 13 lbs | |
| Approved refrigerants | R410A | |

Dimensions

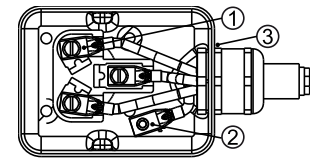


D=9.6 inch, H=19.1 inch,
H1=9.3 inch, H2=17.8 inch, H3=- inch

Electrical Characteristics

| | |
|--|--|
| Nominal voltage | Frequency converter CDS303 required with supply voltage 380-480V/3/50-60Hz |
| Voltage range | 342-528 V supply to frequency converter |
| Winding resistance (between phases) +/- 7% at 77°F | 0.10 Ω |
| Rated Load Amps (RLA) | 37.5 A |
| Maximum Must Trip current (MMT) | 46.9 A |
| Motor protection | Motor protection by frequency converter |

Terminal box



IP54 (with cable gland)
1: Power connection, 3 x 4.8 mm (3/16")
2: Earth M4
3: Hole Ø 33 mm (1.30")

Recommended Installation torques

| | |
|--------------------------------------|---------------------|
| Power connections / Earth connection | 2 ft.lbs / 1 ft.lbs |
| Mounting bolts | 11 ft.lbs |

Parts shipped with compressor

| |
|--|
| Mounting kit with grommets and sleeves |
| Initial oil charge |
| Installation instructions |

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

*Singlepack: Compressor in cardboard box

| Rotolock accessories, suction side | Code no. |
|---|----------|
| Solder sleeve, P02 (1-3/4" Rotolock, 1-1/8" ODF) | 8153004 |
| Angle adapter, C02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168005 |
| Rotolock valve, V02 (1-3/4" Rotolock, 1-1/8" ODF) | 8168028 |
| Gasket, 1-3/4" | 8156132 |

| Rotolock accessories, discharge side | Code no. |
|---|----------|
| Rotolock valve, V05 (1-1/4" Rotolock, 7/8" ODF) | 8168030 |
| Gasket, 1-3/4" | 8156132 |

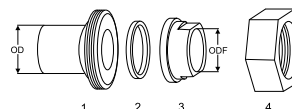
| Rotolock accessories, sets | Code no. |
|---|----------|
| Solder sleeve adapter set, 1-1/8" ODF & 7/8" ODF | 120Z0125 |
| Valve set, V02(1"3/4~1"1/8), V05(1"1/4~7/8") | 120Z0403 |
| Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black & white | 8156009 |

| Oil / lubricants | Code no. |
|-----------------------------------|----------|
| POE lubricant, 160SZ, 1 liter can | 7754023 |
| POE lubricant, 160SZ, 2 liter can | 120Z0571 |

| Crankcase heaters | Code no. |
|--|----------|
| Surface sump heater, 80 W, 24 V, CE mark, UL | 120Z0388 |
| Surface sump heater, 80 W, 230 V, CE mark, UL | 120Z0389 |
| Surface sump heater, 80 W, 400 V, CE mark, UL | 120Z0390 |
| Surface sump heater, 80 W, 460 V, CE mark, UL | 120Z0391 |
| Surface sump heater, 80 W, 575 V, CE mark, UL | 120Z0402 |
| Belt type crankcase heater, 65 W, 110 V, CE mark, UL | 7773109 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 7773107 |
| Belt type crankcase heater, 65 W, 230 V, CE mark, UL | 120Z0038 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 7773117 |
| Belt type crankcase heater, 65 W, 400 V, CE mark, UL | 120Z0039 |
| Belt type crankcase heater, 65 W, 460 V, CE mark, UL | 120Z0466 |
| Belt type crankcase heater, 65 W, 575 V, CE mark, UL | 120Z0467 |

| Miscellaneous accessories | Code no. |
|--|----------|
| Discharge temperature sensor / converter | 120Z0157 |
| Discharge temperature sensor | 120Z0158 |
| Discharge temperature converter | 120Z0159 |
| Acoustic hood for scroll compressor VZH | 120Z0511 |
| Discharge thermostat kit | 7750009 |
| Hybrid Manifolding Kit for VZH088+SH090 VZH117+SH140 VZH117+SH161 24V | 120Z0653 |
| Hybrid Manifolding Kit for VZH088+SH120 VZH117+SH184 24V | 120Z0651 |
| Hybrid Manifolding Kit for VZH088+SH090 VZH117+SH140 VZH117+SH161 230V | 120Z0654 |
| Hybrid Manifolding Kit for VZH088+SH120 VZH117+SH184 230V | 120Z0652 |
| Suction separator for VZH088+SH090 (50Hz) | 120Z0676 |
| Suction separator for VZH088+SH090 (60Hz) | 120Z0675 |
| Suction separator for VZH088+SH120 (50Hz) | 120Z0664 |
| Suction separator for VZH088+SH120 (60Hz) | 120Z0658 |
| Oil level sensor electrical part 24VAC/VDC | 120Z0561 |
| Oil level sensor electrical part 230VAC | 120Z0562 |

| Spare parts | Code no. |
|--|----------|
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers | 120Z0066 |
| Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers | 120Z0495 |
| Gasket for oil sight glass (white teflon) | 8156129 |
| Terminal box incl cover | 120Z0146 |
| Terminal box cover | 120Z0149 |
| T block connector 2.1" x 2.3" | 8173230 |

Solder sleeve adapter set


- 1: Rotolock adapter (Suc & Dis)
- 2: Gasket (Suc & Dis)
- 3: Solder sleeve (Suc & Dis)
- 4: Rotolock nut (Suc & Dis)

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. Danfoss applies to products already on order provided that such alterations can be made sequentially. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.

Performance data at 25 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|---|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | - | 21 279 | 26 695 | 33 150 | 40 733 | 49 530 | - | - | - |
| 90 | - | 19 065 | 24 281 | 30 395 | 37 494 | 45 667 | 50 183 | 60 132 | 64 468 |
| 100 | - | 17 918 | 22 989 | 28 886 | 35 697 | 43 513 | 47 825 | 57 312 | 61 445 |
| 110 | - | 16 680 | 21 577 | 27 228 | 33 723 | 41 153 | 45 246 | 54 245 | 58 164 |
| 120 | - | - | 20 001 | 25 379 | 31 532 | 38 550 | 42 412 | 50 898 | 54 593 |
| 130 | - | - | - | 23 304 | 29 093 | 35 680 | 39 301 | 47 256 | 50 721 |
| 140 | - | - | - | - | - | - | - | 43 356 | 46 592 |

Power input in W

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 1 545 | 1 626 | 1 701 | 1 718 | 1 623 | - | - | - |
| 90 | - | 2 169 | 2 142 | 2 174 | 2 212 | 2 205 | 2 167 | 1 993 | 1 877 |
| 100 | - | 2 614 | 2 510 | 2 498 | 2 526 | 2 541 | 2 527 | 2 424 | 2 346 |
| 110 | - | 3 162 | 2 967 | 2 897 | 2 899 | 2 922 | 2 924 | 2 878 | 2 831 |
| 120 | - | - | 3 524 | 3 381 | 3 344 | 3 359 | 3 370 | 3 366 | 3 345 |
| 130 | - | - | - | 3 962 | 3 870 | 3 864 | 3 876 | 3 900 | 3 899 |
| 140 | - | - | - | - | - | - | - | 4 490 | 4 504 |

Current consumption in A

| | | | | | | | | | |
|-----|---|------|------|------|------|------|------|------|------|
| 70 | - | 4.14 | 4.21 | 4.27 | 4.42 | 4.71 | - | - | - |
| 90 | - | 4.34 | 4.37 | 4.32 | 4.27 | 4.30 | 4.36 | 4.63 | 4.81 |
| 100 | - | 4.91 | 4.98 | 4.93 | 4.84 | 4.79 | 4.80 | 4.94 | 5.05 |
| 110 | - | 5.65 | 5.79 | 5.78 | 5.69 | 5.60 | 5.57 | 5.62 | 5.68 |
| 120 | - | - | 6.68 | 6.75 | 6.69 | 6.60 | 6.56 | 6.55 | 6.58 |
| 130 | - | - | - | 7.72 | 7.74 | 7.69 | 7.65 | 7.61 | 7.63 |
| 140 | - | - | - | - | - | - | - | 8.71 | 8.71 |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 70 | - | 237 | 296 | 365 | 445 | 536 | - | - | - |
| 90 | - | 237 | 298 | 368 | 448 | 540 | 590 | 701 | 749 |
| 100 | - | 234 | 297 | 367 | 448 | 540 | 590 | 701 | 749 |
| 110 | - | 231 | 294 | 365 | 446 | 538 | 589 | 699 | 747 |
| 120 | - | - | 289 | 361 | 443 | 535 | 585 | 695 | 742 |
| 130 | - | - | - | 355 | 437 | 529 | 579 | 689 | 736 |
| 140 | - | - | - | - | - | - | - | 680 | 727 |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 13.77 | 16.41 | 19.48 | 23.72 | 30.53 | - | - | - |
| 90 | - | 8.79 | 11.34 | 13.98 | 16.95 | 20.71 | 23.15 | 30.16 | 34.34 |
| 100 | - | 6.85 | 9.16 | 11.56 | 14.13 | 17.13 | 18.93 | 23.64 | 26.20 |
| 110 | - | 5.28 | 7.27 | 9.40 | 11.63 | 14.09 | 15.47 | 18.85 | 20.54 |
| 120 | - | - | 5.68 | 7.51 | 9.43 | 11.48 | 12.59 | 15.12 | 16.32 |
| 130 | - | - | - | 5.88 | 7.52 | 9.23 | 10.14 | 12.12 | 13.01 |
| 140 | - | - | - | - | - | - | - | 9.66 | 10.34 |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|------|-------|
| Cooling capacity | 39 301 | Btu/h | Current consumption | 7.65 | A |
| Power input | 3 876 | W | Mass flow | 579 | lbs/h |
| E.E.R. | 10.14 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 30 Hz, ARI rating conditions

R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | 20 737 | 26 138 | 32 679 | 40 475 | 49 641 | 60 292 | - | - | - |
| 90 | 18 021 | 23 276 | 29 511 | 36 843 | 45 388 | 55 262 | 60 734 | 72 818 | 78 099 |
| 110 | - | 20 380 | 26 174 | 32 908 | 40 698 | 49 665 | 54 626 | 65 576 | 70 361 |
| 130 | - | - | - | 28 276 | 35 199 | 43 149 | 47 547 | 57 263 | 61 516 |
| 140 | - | - | - | - | 32 097 | 39 523 | 43 634 | 52 728 | 56 714 |
| 150 | - | - | - | - | - | - | 39 680 | 48 214 | 51 961 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 1 901 | 1 934 | 2 004 | 2 071 | 2 092 | 2 026 | - | - | - |
| 90 | 2 705 | 2 600 | 2 585 | 2 619 | 2 659 | 2 665 | 2 642 | 2 519 | 2 433 |
| 110 | - | 3 619 | 3 470 | 3 422 | 3 434 | 3 463 | 3 471 | 3 449 | 3 418 |
| 130 | - | - | - | 4 586 | 4 520 | 4 523 | 4 539 | 4 570 | 4 575 |
| 140 | - | - | - | - | 5 213 | 5 185 | 5 195 | 5 234 | 5 251 |
| 150 | - | - | - | - | - | - | 5 950 | 5 986 | 6 008 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|------|------|------|------|------|-------|-------|-------|
| 70 | 4.59 | 4.75 | 4.84 | 4.95 | 5.13 | 5.45 | - | - | - |
| 90 | 5.04 | 5.25 | 5.31 | 5.31 | 5.30 | 5.36 | 5.43 | 5.71 | 5.88 |
| 110 | - | 6.60 | 6.79 | 6.83 | 6.78 | 6.72 | 6.71 | 6.75 | 6.81 |
| 130 | - | - | - | 8.80 | 8.86 | 8.83 | 8.80 | 8.76 | 8.76 |
| 140 | - | - | - | - | 9.90 | 9.94 | 9.94 | 9.91 | 9.90 |
| 150 | - | - | - | - | - | - | 11.01 | 11.03 | 11.03 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 70 | 231 | 292 | 364 | 447 | 543 | 653 | - | - | - |
| 90 | 226 | 289 | 362 | 446 | 542 | 653 | 714 | 849 | 908 |
| 110 | - | 282 | 356 | 441 | 538 | 649 | 710 | 845 | 903 |
| 130 | - | - | - | 430 | 528 | 640 | 701 | 835 | 893 |
| 140 | - | - | - | - | 521 | 632 | 693 | 828 | 886 |
| 150 | - | - | - | - | - | - | 684 | 818 | 876 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.91 | 13.51 | 16.30 | 19.54 | 23.73 | 29.75 | - | - | - |
| 90 | 6.66 | 8.95 | 11.41 | 14.07 | 17.07 | 20.73 | 22.99 | 28.91 | 32.10 |
| 110 | - | 5.63 | 7.54 | 9.62 | 11.85 | 14.34 | 15.74 | 19.01 | 20.58 |
| 130 | - | - | - | 6.17 | 7.79 | 9.54 | 10.48 | 12.53 | 13.45 |
| 140 | - | - | - | - | 6.16 | 7.62 | 8.40 | 10.07 | 10.80 |
| 150 | - | - | - | - | - | - | 6.67 | 8.05 | 8.65 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|------|-------|
| Cooling capacity | 47 547 | Btu/h | Current consumption | 8.80 | A |
| Power input | 4 539 | W | Mass flow | 701 | lbs/h |
| E.E.R. | 10.48 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|----|-------|
| Sound power level | 69 | dB(A) |
| With acoustic hood | 62 | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 35 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | 24 614 | 30 944 | 38 603 | 47 731 | 58 472 | 70 966 | - | - | - |
| 90 | 21 366 | 27 466 | 34 717 | 43 264 | 53 250 | 64 818 | 71 240 | 85 449 | 91 668 |
| 110 | - | 24 074 | 30 767 | 38 581 | 47 664 | 58 159 | 63 982 | 76 870 | 82 515 |
| 130 | - | - | - | 33 242 | 41 295 | 50 598 | 55 765 | 67 224 | 72 254 |
| 140 | - | - | - | - | 37 770 | 46 462 | 51 297 | 62 039 | 66 764 |
| 150 | - | - | - | - | - | - | 46 845 | 56 947 | 61 402 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 2 295 | 2 328 | 2 392 | 2 454 | 2 484 | 2 450 | - | - | - |
| 90 | 3 111 | 3 039 | 3 038 | 3 076 | 3 121 | 3 143 | 3 135 | 3 061 | 3 005 |
| 110 | - | 4 091 | 3 986 | 3 959 | 3 980 | 4 018 | 4 033 | 4 036 | 4 022 |
| 130 | - | - | - | 5 224 | 5 181 | 5 195 | 5 214 | 5 253 | 5 265 |
| 140 | - | - | - | - | 5 947 | 5 934 | 5 947 | 5 990 | 6 008 |
| 150 | - | - | - | - | - | - | 6 795 | 6 832 | 6 853 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|------|------|------|-------|-------|-------|-------|-------|
| 70 | 5.19 | 5.35 | 5.48 | 5.61 | 5.83 | 6.18 | - | - | - |
| 90 | 5.90 | 6.13 | 6.23 | 6.27 | 6.30 | 6.39 | 6.47 | 6.75 | 6.92 |
| 110 | - | 7.55 | 7.78 | 7.86 | 7.86 | 7.82 | 7.82 | 7.86 | 7.91 |
| 130 | - | - | - | 9.87 | 9.97 | 9.97 | 9.95 | 9.90 | 9.89 |
| 140 | - | - | - | - | 11.08 | 11.15 | 11.14 | 11.10 | 11.08 |
| 150 | - | - | - | - | - | - | 12.34 | 12.34 | 12.33 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 70 | 275 | 347 | 430 | 527 | 639 | 769 | - | - | - |
| 90 | 268 | 341 | 426 | 524 | 636 | 766 | 838 | 996 | 1 065 |
| 110 | - | 333 | 418 | 517 | 630 | 760 | 832 | 990 | 1 059 |
| 130 | - | - | - | 506 | 620 | 750 | 822 | 981 | 1 050 |
| 140 | - | - | - | - | 613 | 744 | 816 | 974 | 1 043 |
| 150 | - | - | - | - | - | - | 807 | 966 | 1 035 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.72 | 13.29 | 16.14 | 19.45 | 23.54 | 28.97 | - | - | - |
| 90 | 6.87 | 9.04 | 11.43 | 14.07 | 17.06 | 20.62 | 22.73 | 27.91 | 30.50 |
| 110 | - | 5.88 | 7.72 | 9.74 | 11.97 | 14.47 | 15.86 | 19.05 | 20.52 |
| 130 | - | - | - | 6.36 | 7.97 | 9.74 | 10.70 | 12.80 | 13.72 |
| 140 | - | - | - | - | 6.35 | 7.83 | 8.63 | 10.36 | 11.11 |
| 150 | - | - | - | - | - | - | 6.89 | 8.34 | 8.96 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|------|-------|
| Cooling capacity | 55 765 | Btu/h | Current consumption | 9.95 | A |
| Power input | 5 214 | W | Mass flow | 822 | lbs/h |
| E.E.R. | 10.70 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 40 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 70 | 28 447 | 35 698 | 44 466 | 54 919 | 67 226 | 81 553 | - | - | - |
| 90 | 24 693 | 31 635 | 39 901 | 49 660 | 61 082 | 74 336 | 81 704 | 98 025 | 105 176 |
| 110 | - | 27 762 | 35 355 | 44 249 | 54 619 | 66 636 | 73 316 | 88 128 | 94 625 |
| 130 | - | - | - | 38 204 | 47 380 | 58 026 | 63 955 | 77 139 | 82 938 |
| 140 | - | - | - | - | 43 424 | 53 369 | 58 919 | 71 288 | 76 741 |
| 150 | - | - | - | - | - | - | 53 951 | 65 595 | 70 744 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 2 692 | 2 728 | 2 789 | 2 851 | 2 894 | 2 893 | - | - | - |
| 90 | 3 527 | 3 487 | 3 500 | 3 544 | 3 598 | 3 637 | 3 645 | 3 622 | 3 594 |
| 110 | - | 4 579 | 4 513 | 4 508 | 4 540 | 4 588 | 4 611 | 4 640 | 4 641 |
| 130 | - | - | - | 5 875 | 5 854 | 5 879 | 5 901 | 5 950 | 5 967 |
| 140 | - | - | - | - | 6 693 | 6 693 | 6 709 | 6 756 | 6 777 |
| 150 | - | - | - | - | - | - | 7 648 | 7 685 | 7 706 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|------|------|-------|-------|-------|-------|-------|-------|
| 70 | 5.80 | 5.97 | 6.11 | 6.27 | 6.52 | 6.91 | - | - | - |
| 90 | 6.76 | 7.00 | 7.13 | 7.20 | 7.27 | 7.39 | 7.48 | 7.78 | 7.94 |
| 110 | - | 8.48 | 8.75 | 8.87 | 8.91 | 8.91 | 8.91 | 8.95 | 8.99 |
| 130 | - | - | - | 10.93 | 11.08 | 11.11 | 11.09 | 11.03 | 11.00 |
| 140 | - | - | - | - | 12.25 | 12.35 | 12.35 | 12.29 | 12.26 |
| 150 | - | - | - | - | - | - | 13.66 | 13.65 | 13.62 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| 70 | 318 | 401 | 496 | 607 | 735 | 884 | - | - | - |
| 90 | 310 | 393 | 490 | 601 | 730 | 878 | 960 | 1 143 | 1 222 |
| 110 | - | 383 | 481 | 593 | 722 | 871 | 953 | 1 135 | 1 215 |
| 130 | - | - | - | 581 | 712 | 861 | 943 | 1 126 | 1 205 |
| 140 | - | - | - | - | 705 | 854 | 937 | 1 119 | 1 199 |
| 150 | - | - | - | - | - | - | 929 | 1 112 | 1 192 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.57 | 13.09 | 15.95 | 19.26 | 23.23 | 28.19 | - | - | - |
| 90 | 7.00 | 9.07 | 11.40 | 14.01 | 16.98 | 20.44 | 22.42 | 27.07 | 29.26 |
| 110 | - | 6.06 | 7.83 | 9.82 | 12.03 | 14.52 | 15.90 | 19.00 | 20.39 |
| 130 | - | - | - | 6.50 | 8.09 | 9.87 | 10.84 | 12.97 | 13.90 |
| 140 | - | - | - | - | 6.49 | 7.97 | 8.78 | 10.55 | 11.32 |
| 150 | - | - | - | - | - | - | 7.05 | 8.54 | 9.18 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|-------|-------|
| Cooling capacity | 63 955 | Btu/h | Current consumption | 11.09 | A |
| Power input | 5 901 | W | Mass flow | 943 | lbs/h |
| E.E.R. | 10.84 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 45 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 70 | 32 236 | 40 399 | 50 268 | 62 038 | 75 903 | 92 054 | - | - | - |
| 90 | 28 001 | 35 785 | 45 062 | 56 030 | 68 882 | 83 816 | 92 124 | 110 546 | 118 622 |
| 110 | - | 31 446 | 39 938 | 49 912 | 61 565 | 75 096 | 82 628 | 99 349 | 106 692 |
| 130 | - | - | - | 43 161 | 53 454 | 65 433 | 72 118 | 87 007 | 93 566 |
| 140 | - | - | - | - | 49 061 | 60 246 | 66 503 | 80 475 | 86 646 |
| 150 | - | - | - | - | - | - | 60 999 | 74 157 | 79 988 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 3 090 | 3 133 | 3 195 | 3 262 | 3 321 | 3 356 | - | - | - |
| 90 | 3 952 | 3 942 | 3 971 | 4 025 | 4 089 | 4 148 | 4 172 | 4 199 | 4 200 |
| 110 | - | 5 082 | 5 054 | 5 068 | 5 113 | 5 172 | 5 203 | 5 259 | 5 276 |
| 130 | - | - | - | 6 539 | 6 540 | 6 574 | 6 600 | 6 659 | 6 683 |
| 140 | - | - | - | - | 7 450 | 7 462 | 7 481 | 7 533 | 7 557 |
| 150 | - | - | - | - | - | - | 8 508 | 8 547 | 8 568 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|------|------|-------|-------|-------|-------|-------|-------|
| 70 | 6.43 | 6.58 | 6.73 | 6.93 | 7.22 | 7.64 | - | - | - |
| 90 | 7.61 | 7.85 | 8.00 | 8.11 | 8.22 | 8.37 | 8.47 | 8.77 | 8.93 |
| 110 | - | 9.41 | 9.70 | 9.87 | 9.94 | 9.97 | 9.98 | 10.02 | 10.05 |
| 130 | - | - | - | 11.99 | 12.18 | 12.24 | 12.22 | 12.15 | 12.11 |
| 140 | - | - | - | - | 13.43 | 13.55 | 13.55 | 13.48 | 13.43 |
| 150 | - | - | - | - | - | - | 14.98 | 14.95 | 14.90 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|
| 70 | 361 | 454 | 561 | 686 | 831 | 998 | - | - | - |
| 90 | 352 | 445 | 553 | 678 | 823 | 990 | 1 083 | 1 288 | 1 379 |
| 110 | - | 434 | 543 | 669 | 814 | 981 | 1 074 | 1 280 | 1 370 |
| 130 | - | - | - | 657 | 803 | 971 | 1 064 | 1 270 | 1 360 |
| 140 | - | - | - | - | 796 | 964 | 1 058 | 1 264 | 1 354 |
| 150 | - | - | - | - | - | - | 1 051 | 1 257 | 1 347 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.43 | 12.90 | 15.73 | 19.02 | 22.86 | 27.43 | - | - | - |
| 90 | 7.09 | 9.08 | 11.35 | 13.92 | 16.85 | 20.20 | 22.08 | 26.32 | 28.24 |
| 110 | - | 6.19 | 7.90 | 9.85 | 12.04 | 14.52 | 15.88 | 18.89 | 20.22 |
| 130 | - | - | - | 6.60 | 8.17 | 9.95 | 10.93 | 13.07 | 14.00 |
| 140 | - | - | - | - | 6.59 | 8.07 | 8.89 | 10.68 | 11.47 |
| 150 | - | - | - | - | - | - | 7.17 | 8.68 | 9.34 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|-------|-------|
| Cooling capacity | 72 118 | Btu/h | Current consumption | 12.22 | A |
| Power input | 6 600 | W | Mass flow | 1 064 | lbs/h |
| E.E.R. | 10.93 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 50 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 70 | 35 981 | 45 047 | 56 010 | 69 089 | 84 502 | 102 468 | - | - | - |
| 90 | 31 291 | 39 914 | 50 201 | 62 373 | 76 652 | 93 257 | 102 501 | 123 011 | 132 008 |
| 110 | - | 35 123 | 44 517 | 55 568 | 68 500 | 83 539 | 91 917 | 110 534 | 118 715 |
| 130 | - | - | - | 48 113 | 59 519 | 72 820 | 80 254 | 96 829 | 104 139 |
| 140 | - | - | - | - | 54 679 | 67 092 | 74 046 | 89 601 | 96 478 |
| 150 | - | - | - | - | - | - | 67 988 | 82 634 | 89 133 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 3 491 | 3 542 | 3 610 | 3 687 | 3 765 | 3 839 | - | - | - |
| 90 | 4 387 | 4 406 | 4 452 | 4 517 | 4 594 | 4 677 | 4 718 | 4 795 | 4 822 |
| 110 | - | 5 601 | 5 606 | 5 641 | 5 698 | 5 771 | 5 811 | 5 895 | 5 928 |
| 130 | - | - | - | 7 218 | 7 236 | 7 281 | 7 311 | 7 382 | 7 413 |
| 140 | - | - | - | - | 8 218 | 8 242 | 8 263 | 8 321 | 8 348 |
| 150 | - | - | - | - | - | - | 9 376 | 9 416 | 9 437 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 7.07 | 7.20 | 7.35 | 7.58 | 7.90 | 8.36 | - | - | - |
| 90 | 8.45 | 8.68 | 8.85 | 8.99 | 9.13 | 9.31 | 9.43 | 9.74 | 9.89 |
| 110 | - | 10.32 | 10.64 | 10.84 | 10.96 | 11.01 | 11.03 | 11.07 | 11.09 |
| 130 | - | - | - | 13.05 | 13.28 | 13.36 | 13.35 | 13.27 | 13.21 |
| 140 | - | - | - | - | 14.60 | 14.74 | 14.75 | 14.66 | 14.59 |
| 150 | - | - | - | - | - | - | 16.30 | 16.24 | 16.17 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|
| 70 | 403 | 506 | 626 | 764 | 925 | 1 111 | - | - | - |
| 90 | 393 | 497 | 616 | 755 | 916 | 1 102 | 1 205 | 1 434 | 1 534 |
| 110 | - | 485 | 605 | 744 | 906 | 1 092 | 1 195 | 1 424 | 1 524 |
| 130 | - | - | - | 732 | 894 | 1 080 | 1 184 | 1 413 | 1 514 |
| 140 | - | - | - | - | 887 | 1 074 | 1 178 | 1 407 | 1 508 |
| 150 | - | - | - | - | - | - | 1 171 | 1 401 | 1 501 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.31 | 12.72 | 15.52 | 18.74 | 22.44 | 26.69 | - | - | - |
| 90 | 7.13 | 9.06 | 11.28 | 13.81 | 16.68 | 19.94 | 21.73 | 25.66 | 27.37 |
| 110 | - | 6.27 | 7.94 | 9.85 | 12.02 | 14.48 | 15.82 | 18.75 | 20.03 |
| 130 | - | - | - | 6.67 | 8.22 | 10.00 | 10.98 | 13.12 | 14.05 |
| 140 | - | - | - | - | 6.65 | 8.14 | 8.96 | 10.77 | 11.56 |
| 150 | - | - | - | - | - | - | 7.25 | 8.78 | 9.44 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|-------|-------|
| Cooling capacity | 80 254 | Btu/h | Current consumption | 13.35 | A |
| Power input | 7 311 | W | Mass flow | 1 184 | lbs/h |
| E.E.R. | 10.98 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 55 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 70 | 39 683 | 49 643 | 61 692 | 76 071 | 93 025 | 112 795 | - | - | - |
| 90 | 34 563 | 44 023 | 55 317 | 68 691 | 84 390 | 102 660 | 112 835 | 135 421 | 145 332 |
| 110 | - | 38 796 | 49 092 | 61 219 | 75 427 | 91 964 | 101 184 | 121 683 | 130 695 |
| 130 | - | - | - | 53 061 | 65 573 | 80 187 | 88 361 | 106 605 | 114 656 |
| 140 | - | - | - | - | 60 280 | 73 906 | 81 550 | 98 665 | 106 238 |
| 150 | - | - | - | - | - | - | 74 919 | 91 026 | 98 181 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 70 | 3 893 | 3 957 | 4 035 | 4 125 | 4 227 | 4 341 | - | - | - |
| 90 | 4 832 | 4 878 | 4 941 | 5 020 | 5 114 | 5 222 | 5 281 | 5 407 | 5 462 |
| 110 | - | 6 135 | 6 171 | 6 225 | 6 296 | 6 384 | 6 435 | 6 546 | 6 595 |
| 130 | - | - | - | 7 909 | 7 945 | 8 000 | 8 035 | 8 118 | 8 156 |
| 140 | - | - | - | - | 8 998 | 9 032 | 9 056 | 9 119 | 9 150 |
| 150 | - | - | - | - | - | - | 10 253 | 10 293 | 10 315 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 7.73 | 7.82 | 7.97 | 8.22 | 8.58 | 9.08 | - | - | - |
| 90 | 9.29 | 9.49 | 9.67 | 9.84 | 10.02 | 10.23 | 10.36 | 10.68 | 10.83 |
| 110 | - | 11.22 | 11.57 | 11.80 | 11.95 | 12.04 | 12.06 | 12.09 | 12.11 |
| 130 | - | - | - | 14.11 | 14.38 | 14.48 | 14.48 | 14.38 | 14.31 |
| 140 | - | - | - | - | 15.77 | 15.94 | 15.95 | 15.84 | 15.75 |
| 150 | - | - | - | - | - | - | 17.60 | 17.52 | 17.43 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 70 | 445 | 558 | 689 | 841 | 1 018 | 1 222 | - | - | - |
| 90 | 434 | 548 | 679 | 831 | 1 008 | 1 213 | 1 326 | 1 578 | 1 689 |
| 110 | - | 536 | 667 | 820 | 997 | 1 202 | 1 316 | 1 568 | 1 678 |
| 130 | - | - | - | 808 | 985 | 1 190 | 1 304 | 1 556 | 1 667 |
| 140 | - | - | - | - | 978 | 1 183 | 1 297 | 1 550 | 1 660 |
| 150 | - | - | - | - | - | - | 1 291 | 1 543 | 1 654 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.19 | 12.55 | 15.29 | 18.44 | 22.01 | 25.99 | - | - | - |
| 90 | 7.15 | 9.02 | 11.19 | 13.68 | 16.50 | 19.66 | 21.37 | 25.04 | 26.61 |
| 110 | - | 6.32 | 7.96 | 9.83 | 11.98 | 14.40 | 15.72 | 18.59 | 19.82 |
| 130 | - | - | - | 6.71 | 8.25 | 10.02 | 11.00 | 13.13 | 14.06 |
| 140 | - | - | - | - | 6.70 | 8.18 | 9.01 | 10.82 | 11.61 |
| 150 | - | - | - | - | - | - | 7.31 | 8.84 | 9.52 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|-------|-------|
| Cooling capacity | 88 361 | Btu/h | Current consumption | 14.48 | A |
| Power input | 8 035 | W | Mass flow | 1 304 | lbs/h |
| E.E.R. | 11.00 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 60 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 70 | 43 341 | 54 187 | 67 312 | 82 985 | 101 470 | 123 035 | - | - | - |
| 90 | 37 816 | 48 112 | 60 410 | 74 982 | 92 097 | 112 024 | 123 126 | 147 775 | 158 595 |
| 110 | - | 42 463 | 53 662 | 66 864 | 82 343 | 100 372 | 110 428 | 132 795 | 142 632 |
| 130 | - | - | - | 58 004 | 71 617 | 87 533 | 96 441 | 116 335 | 125 118 |
| 140 | - | - | - | - | 65 862 | 80 690 | 89 015 | 107 667 | 115 926 |
| 150 | - | - | - | - | - | - | 81 791 | 99 332 | 107 129 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 70 | 4 298 | 4 377 | 4 468 | 4 577 | 4 707 | 4 863 | - | - | - |
| 90 | 5 286 | 5 359 | 5 440 | 5 536 | 5 649 | 5 784 | 5 861 | 6 038 | 6 118 |
| 110 | - | 6 685 | 6 748 | 6 821 | 6 907 | 7 012 | 7 073 | 7 214 | 7 279 |
| 130 | - | - | - | 8 615 | 8 665 | 8 731 | 8 771 | 8 867 | 8 912 |
| 140 | - | - | - | - | 9 789 | 9 831 | 9 859 | 9 929 | 9 963 |
| 150 | - | - | - | - | - | - | 11 137 | 11 178 | 11 201 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 8.40 | 8.44 | 8.58 | 8.85 | 9.25 | 9.79 | - | - | - |
| 90 | 10.11 | 10.29 | 10.47 | 10.66 | 10.87 | 11.12 | 11.27 | 11.59 | 11.74 |
| 110 | - | 12.11 | 12.47 | 12.74 | 12.92 | 13.04 | 13.07 | 13.10 | 13.10 |
| 130 | - | - | - | 15.16 | 15.47 | 15.59 | 15.59 | 15.48 | 15.39 |
| 140 | - | - | - | - | 16.94 | 17.14 | 17.15 | 17.01 | 16.90 |
| 150 | - | - | - | - | - | - | 18.91 | 18.79 | 18.68 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 70 | 486 | 610 | 752 | 918 | 1 111 | 1 333 | - | - | - |
| 90 | 475 | 599 | 742 | 908 | 1 100 | 1 323 | 1 447 | 1 722 | 1 843 |
| 110 | - | 586 | 730 | 896 | 1 089 | 1 312 | 1 436 | 1 711 | 1 832 |
| 130 | - | - | - | 883 | 1 076 | 1 299 | 1 423 | 1 698 | 1 819 |
| 140 | - | - | - | - | 1 069 | 1 292 | 1 416 | 1 691 | 1 812 |
| 150 | - | - | - | - | - | - | 1 409 | 1 684 | 1 805 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.08 | 12.38 | 15.06 | 18.13 | 21.56 | 25.30 | - | - | - |
| 90 | 7.15 | 8.98 | 11.10 | 13.55 | 16.30 | 19.37 | 21.01 | 24.48 | 25.92 |
| 110 | - | 6.35 | 7.95 | 9.80 | 11.92 | 14.31 | 15.61 | 18.41 | 19.60 |
| 130 | - | - | - | 6.73 | 8.26 | 10.03 | 11.00 | 13.12 | 14.04 |
| 140 | - | - | - | - | 6.73 | 8.21 | 9.03 | 10.84 | 11.64 |
| 150 | - | - | - | - | - | - | 7.34 | 8.89 | 9.56 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|--------|-------|---------------------|-------|-------|
| Cooling capacity | 96 441 | Btu/h | Current consumption | 15.59 | A |
| Power input | 8 771 | W | Mass flow | 1 423 | lbs/h |
| E.E.R. | 11.00 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|----|-------|
| Sound power level | 77 | dB(A) |
| With acoustic hood | 72 | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 65 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 70 | 46 954 | 58 677 | 72 873 | 89 830 | 109 839 | 133 189 | - | - | - |
| 90 | 41 051 | 52 180 | 65 481 | 81 248 | 99 774 | 121 350 | 133 374 | 160 074 | 171 797 |
| 110 | - | 46 124 | 58 228 | 72 504 | 89 250 | 108 763 | 119 650 | 143 871 | 154 525 |
| 130 | - | - | - | 62 942 | 77 651 | 94 858 | 104 493 | 126 019 | 135 525 |
| 140 | - | - | - | - | 71 426 | 87 443 | 96 440 | 116 607 | 125 541 |
| 150 | - | - | - | - | - | - | 88 605 | 107 553 | 115 980 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 70 | 4 705 | 4 802 | 4 912 | 5 043 | 5 204 | 5 404 | - | - | - |
| 90 | 5 749 | 5 847 | 5 949 | 6 062 | 6 198 | 6 363 | 6 459 | 6 686 | 6 790 |
| 110 | - | 7 250 | 7 338 | 7 428 | 7 531 | 7 654 | 7 727 | 7 898 | 7 978 |
| 130 | - | - | - | 9 333 | 9 398 | 9 474 | 9 519 | 9 629 | 9 682 |
| 140 | - | - | - | - | 10 591 | 10 641 | 10 672 | 10 749 | 10 788 |
| 150 | - | - | - | - | - | - | 12 028 | 12 071 | 12 095 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.08 | 9.06 | 9.19 | 9.48 | 9.92 | 10.50 | - | - | - |
| 90 | 10.92 | 11.06 | 11.24 | 11.45 | 11.70 | 11.99 | 12.14 | 12.48 | 12.63 |
| 110 | - | 12.99 | 13.36 | 13.66 | 13.88 | 14.02 | 14.06 | 14.08 | 14.07 |
| 130 | - | - | - | 16.21 | 16.55 | 16.70 | 16.71 | 16.57 | 16.46 |
| 140 | - | - | - | - | 18.11 | 18.33 | 18.34 | 18.18 | 18.05 |
| 150 | - | - | - | - | - | - | 20.20 | 20.06 | 19.92 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 70 | 527 | 660 | 814 | 994 | 1 202 | 1 443 | - | - | - |
| 90 | 516 | 649 | 804 | 983 | 1 192 | 1 434 | 1 568 | 1 866 | 1 997 |
| 110 | - | 637 | 792 | 971 | 1 180 | 1 421 | 1 556 | 1 854 | 1 984 |
| 130 | - | - | - | 958 | 1 166 | 1 407 | 1 542 | 1 839 | 1 970 |
| 140 | - | - | - | - | 1 159 | 1 400 | 1 534 | 1 831 | 1 962 |
| 150 | - | - | - | - | - | - | 1 526 | 1 823 | 1 954 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.98 | 12.22 | 14.84 | 17.81 | 21.11 | 24.64 | - | - | - |
| 90 | 7.14 | 8.92 | 11.01 | 13.40 | 16.10 | 19.07 | 20.65 | 23.94 | 25.30 |
| 110 | - | 6.36 | 7.94 | 9.76 | 11.85 | 14.21 | 15.48 | 18.22 | 19.37 |
| 130 | - | - | - | 6.74 | 8.26 | 10.01 | 10.98 | 13.09 | 14.00 |
| 140 | - | - | - | - | 6.74 | 8.22 | 9.04 | 10.85 | 11.64 |
| 150 | - | - | - | - | - | - | 7.37 | 8.91 | 9.59 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 104 493 | Btu/h | Current consumption | 16.71 | A |
| Power input | 9 519 | W | Mass flow | 1 542 | lbs/h |
| E.E.R. | 10.98 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 70 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 70 | 50 524 | 63 116 | 78 372 | 96 606 | 118 130 | 143 255 | - | - | - |
| 90 | 44 267 | 56 228 | 70 529 | 87 488 | 107 419 | 130 637 | 143 578 | 172 318 | 184 937 |
| 110 | - | 49 780 | 62 789 | 78 137 | 96 146 | 117 136 | 128 849 | 154 910 | 166 375 |
| 130 | - | - | - | 67 876 | 83 674 | 102 163 | 112 518 | 135 656 | 145 877 |
| 140 | - | - | - | - | 76 972 | 94 164 | 103 825 | 125 486 | 135 084 |
| 150 | - | - | - | - | - | - | 95 361 | 115 688 | 124 732 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 70 | 5 115 | 5 232 | 5 364 | 5 522 | 5 719 | 5 966 | - | - | - |
| 90 | 6 223 | 6 344 | 6 466 | 6 601 | 6 761 | 6 958 | 7 075 | 7 351 | 7 480 |
| 110 | - | 7 831 | 7 940 | 8 048 | 8 167 | 8 311 | 8 396 | 8 598 | 8 694 |
| 130 | - | - | - | 10 066 | 10 142 | 10 228 | 10 279 | 10 404 | 10 465 |
| 140 | - | - | - | - | 11 405 | 11 462 | 11 495 | 11 580 | 11 623 |
| 150 | - | - | - | - | - | - | 12 928 | 12 972 | 12 997 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.77 | 9.68 | 9.80 | 10.10 | 10.57 | 11.21 | - | - | - |
| 90 | 11.73 | 11.82 | 11.98 | 12.22 | 12.50 | 12.82 | 12.99 | 13.35 | 13.49 |
| 110 | - | 13.86 | 14.23 | 14.56 | 14.81 | 14.98 | 15.03 | 15.05 | 15.02 |
| 130 | - | - | - | 17.25 | 17.63 | 17.81 | 17.81 | 17.66 | 17.53 |
| 140 | - | - | - | - | 19.28 | 19.52 | 19.53 | 19.35 | 19.19 |
| 150 | - | - | - | - | - | - | 21.49 | 21.32 | 21.15 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| 70 | 567 | 710 | 876 | 1 069 | 1 293 | 1 552 | - | - | - |
| 90 | 556 | 700 | 866 | 1 059 | 1 283 | 1 543 | 1 688 | 2 008 | 2 149 |
| 110 | - | 688 | 854 | 1 047 | 1 271 | 1 531 | 1 675 | 1 996 | 2 137 |
| 130 | - | - | - | 1 033 | 1 257 | 1 516 | 1 660 | 1 980 | 2 120 |
| 140 | - | - | - | - | 1 249 | 1 508 | 1 652 | 1 971 | 2 111 |
| 150 | - | - | - | - | - | - | 1 643 | 1 962 | 2 102 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.88 | 12.06 | 14.61 | 17.49 | 20.66 | 24.01 | - | - | - |
| 90 | 7.11 | 8.86 | 10.91 | 13.25 | 15.89 | 18.77 | 20.29 | 23.44 | 24.73 |
| 110 | - | 6.36 | 7.91 | 9.71 | 11.77 | 14.09 | 15.35 | 18.02 | 19.14 |
| 130 | - | - | - | 6.74 | 8.25 | 9.99 | 10.95 | 13.04 | 13.94 |
| 140 | - | - | - | - | 6.75 | 8.22 | 9.03 | 10.84 | 11.62 |
| 150 | - | - | - | - | - | - | 7.38 | 8.92 | 9.60 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 112 518 | Btu/h | Current consumption | 17.81 | A |
| Power input | 10 279 | W | Mass flow | 1 660 | lbs/h |
| E.E.R. | 10.95 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 75 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 70 | 54 051 | 67 502 | 83 811 | 103 314 | 126 344 | 153 234 | - | - | - |
| 90 | 47 466 | 60 256 | 75 555 | 93 701 | 115 032 | 139 886 | 153 738 | 184 506 | 198 016 |
| 110 | - | 53 431 | 67 345 | 83 765 | 103 033 | 125 492 | 138 025 | 165 912 | 178 181 |
| 130 | - | - | - | 72 805 | 89 687 | 109 447 | 120 515 | 145 247 | 156 172 |
| 140 | - | - | - | - | 82 499 | 100 855 | 111 171 | 134 303 | 144 553 |
| 150 | - | - | - | - | - | - | 102 057 | 123 738 | 133 386 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 70 | 5 526 | 5 668 | 5 826 | 6 015 | 6 251 | 6 547 | - | - | - |
| 90 | 6 706 | 6 849 | 6 993 | 7 151 | 7 339 | 7 571 | 7 708 | 8 034 | 8 186 |
| 110 | - | 8 427 | 8 554 | 8 679 | 8 817 | 8 982 | 9 080 | 9 315 | 9 426 |
| 130 | - | - | - | 10 812 | 10 897 | 10 994 | 11 052 | 11 193 | 11 262 |
| 140 | - | - | - | - | 12 231 | 12 292 | 12 329 | 12 422 | 12 470 |
| 150 | - | - | - | - | - | - | 13 836 | 13 881 | 13 907 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 10.48 | 10.31 | 10.40 | 10.72 | 11.23 | 11.91 | - | - | - |
| 90 | 12.53 | 12.55 | 12.71 | 12.96 | 13.27 | 13.63 | 13.82 | 14.18 | 14.32 |
| 110 | - | 14.71 | 15.09 | 15.44 | 15.72 | 15.92 | 15.97 | 15.99 | 15.95 |
| 130 | - | - | - | 18.29 | 18.71 | 18.91 | 18.92 | 18.74 | 18.59 |
| 140 | - | - | - | - | 20.45 | 20.71 | 20.72 | 20.51 | 20.33 |
| 150 | - | - | - | - | - | - | 22.78 | 22.57 | 22.37 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| 70 | 607 | 759 | 937 | 1 143 | 1 383 | 1 660 | - | - | - |
| 90 | 596 | 750 | 927 | 1 134 | 1 374 | 1 653 | 1 807 | 2 151 | 2 301 |
| 110 | - | 738 | 916 | 1 122 | 1 362 | 1 640 | 1 795 | 2 138 | 2 288 |
| 130 | - | - | - | 1 108 | 1 347 | 1 624 | 1 778 | 2 120 | 2 270 |
| 140 | - | - | - | - | 1 339 | 1 615 | 1 768 | 2 109 | 2 259 |
| 150 | - | - | - | - | - | - | 1 759 | 2 098 | 2 248 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.78 | 11.91 | 14.39 | 17.18 | 20.21 | 23.41 | - | - | - |
| 90 | 7.08 | 8.80 | 10.80 | 13.10 | 15.67 | 18.48 | 19.95 | 22.97 | 24.19 |
| 110 | - | 6.34 | 7.87 | 9.65 | 11.69 | 13.97 | 15.20 | 17.81 | 18.90 |
| 130 | - | - | - | 6.73 | 8.23 | 9.95 | 10.90 | 12.98 | 13.87 |
| 140 | - | - | - | - | 6.75 | 8.20 | 9.02 | 10.81 | 11.59 |
| 150 | - | - | - | - | - | - | 7.38 | 8.91 | 9.59 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 120 515 | Btu/h | Current consumption | 18.92 | A |
| Power input | 11 052 | W | Mass flow | 1 778 | lbs/h |
| E.E.R. | 10.90 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 80 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 70 | 57 533 | 71 834 | 89 190 | 109 954 | 134 482 | 163 127 | - | - | - |
| 90 | 50 646 | 64 263 | 80 557 | 99 889 | 122 616 | 149 096 | 163 856 | 196 639 | 211 034 |
| 110 | - | 57 076 | 71 897 | 89 387 | 109 911 | 133 831 | 147 179 | 176 879 | 189 944 |
| 130 | - | - | - | 77 729 | 95 690 | 116 710 | 128 484 | 154 793 | 166 413 |
| 140 | - | - | - | - | 88 009 | 107 515 | 118 477 | 143 059 | 153 952 |
| 150 | - | - | - | - | - | - | 108 696 | 131 703 | 141 942 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 70 | 5 939 | 6 108 | 6 297 | 6 522 | 6 800 | 7 147 | - | - | - |
| 90 | 7 198 | 7 363 | 7 529 | 7 713 | 7 932 | 8 201 | 8 359 | 8 734 | 8 909 |
| 110 | - | 9 039 | 9 181 | 9 322 | 9 479 | 9 668 | 9 780 | 10 047 | 10 174 |
| 130 | - | - | - | 11 571 | 11 665 | 11 772 | 11 836 | 11 994 | 12 072 |
| 140 | - | - | - | - | 13 067 | 13 133 | 13 172 | 13 275 | 13 328 |
| 150 | - | - | - | - | - | - | 14 751 | 14 798 | 14 826 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 11.20 | 10.94 | 11.00 | 11.32 | 11.88 | 12.61 | - | - | - |
| 90 | 13.32 | 13.27 | 13.40 | 13.67 | 14.02 | 14.41 | 14.61 | 14.99 | 15.13 |
| 110 | - | 15.56 | 15.93 | 16.30 | 16.61 | 16.84 | 16.90 | 16.91 | 16.85 |
| 130 | - | - | - | 19.33 | 19.78 | 20.00 | 20.01 | 19.81 | 19.63 |
| 140 | - | - | - | - | 21.61 | 21.90 | 21.91 | 21.67 | 21.46 |
| 150 | - | - | - | - | - | - | 24.06 | 23.81 | 23.58 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|
| 70 | 646 | 808 | 997 | 1 216 | 1 471 | 1 767 | - | - | - |
| 90 | 636 | 799 | 989 | 1 209 | 1 465 | 1 761 | 1 926 | 2 292 | 2 453 |
| 110 | - | 788 | 977 | 1 197 | 1 453 | 1 749 | 1 914 | 2 279 | 2 439 |
| 130 | - | - | - | 1 183 | 1 437 | 1 731 | 1 895 | 2 259 | 2 419 |
| 140 | - | - | - | - | 1 428 | 1 721 | 1 885 | 2 247 | 2 406 |
| 150 | - | - | - | - | - | - | 1 873 | 2 234 | 2 392 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.69 | 11.76 | 14.16 | 16.86 | 19.78 | 22.82 | - | - | - |
| 90 | 7.04 | 8.73 | 10.70 | 12.95 | 15.46 | 18.18 | 19.60 | 22.51 | 23.69 |
| 110 | - | 6.31 | 7.83 | 9.59 | 11.60 | 13.84 | 15.05 | 17.60 | 18.67 |
| 130 | - | - | - | 6.72 | 8.20 | 9.91 | 10.86 | 12.91 | 13.79 |
| 140 | - | - | - | - | 6.74 | 8.19 | 8.99 | 10.78 | 11.55 |
| 150 | - | - | - | - | - | - | 7.37 | 8.90 | 9.57 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 128 484 | Btu/h | Current consumption | 20.01 | A |
| Power input | 11 836 | W | Mass flow | 1 895 | lbs/h |
| E.E.R. | 10.86 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 85 Hz, ARI rating conditions

R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 70 | 60 971 | 76 115 | 94 508 | 116 525 | 142 542 | 172 933 | - | - | - |
| 90 | 53 808 | 68 250 | 85 538 | 106 050 | 130 167 | 158 268 | 173 931 | 208 717 | 223 990 |
| 110 | - | 60 715 | 76 445 | 95 004 | 116 778 | 142 153 | 156 311 | 187 809 | 201 664 |
| 130 | - | - | - | 82 648 | 101 683 | 123 953 | 136 426 | 164 291 | 176 599 |
| 140 | - | - | - | - | 93 500 | 114 144 | 125 744 | 151 753 | 163 277 |
| 150 | - | - | - | - | - | - | 115 275 | 139 582 | 150 399 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 70 | 6 355 | 6 554 | 6 777 | 7 043 | 7 367 | 7 768 | - | - | - |
| 90 | 7 700 | 7 884 | 8 074 | 8 287 | 8 539 | 8 847 | 9 027 | 9 452 | 9 648 |
| 110 | - | 9 666 | 9 820 | 9 977 | 10 154 | 10 368 | 10 494 | 10 796 | 10 937 |
| 130 | - | - | - | 12 344 | 12 444 | 12 562 | 12 633 | 12 809 | 12 895 |
| 140 | - | - | - | - | 13 915 | 13 984 | 14 026 | 14 139 | 14 197 |
| 150 | - | - | - | - | - | - | 15 674 | 15 723 | 15 752 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 11.93 | 11.57 | 11.59 | 11.93 | 12.52 | 13.30 | - | - | - |
| 90 | 14.10 | 13.97 | 14.08 | 14.35 | 14.73 | 15.16 | 15.38 | 15.77 | 15.91 |
| 110 | - | 16.39 | 16.76 | 17.14 | 17.49 | 17.74 | 17.81 | 17.80 | 17.74 |
| 130 | - | - | - | 20.36 | 20.85 | 21.09 | 21.10 | 20.87 | 20.67 |
| 140 | - | - | - | - | 22.78 | 23.08 | 23.10 | 22.82 | 22.58 |
| 150 | - | - | - | - | - | - | 25.33 | 25.05 | 24.78 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| 70 | 684 | 856 | 1 056 | 1 289 | 1 559 | 1 873 | - | - | - |
| 90 | 676 | 849 | 1 050 | 1 284 | 1 555 | 1 870 | 2 045 | 2 433 | 2 603 |
| 110 | - | 839 | 1 039 | 1 273 | 1 544 | 1 858 | 2 032 | 2 420 | 2 590 |
| 130 | - | - | - | 1 258 | 1 527 | 1 839 | 2 012 | 2 397 | 2 566 |
| 140 | - | - | - | - | 1 517 | 1 827 | 2 000 | 2 383 | 2 552 |
| 150 | - | - | - | - | - | - | 1 987 | 2 368 | 2 535 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.59 | 11.61 | 13.94 | 16.55 | 19.35 | 22.26 | - | - | - |
| 90 | 6.99 | 8.66 | 10.59 | 12.80 | 15.24 | 17.89 | 19.27 | 22.08 | 23.22 |
| 110 | - | 6.28 | 7.78 | 9.52 | 11.50 | 13.71 | 14.89 | 17.40 | 18.44 |
| 130 | - | - | - | 6.70 | 8.17 | 9.87 | 10.80 | 12.83 | 13.70 |
| 140 | - | - | - | - | 6.72 | 8.16 | 8.96 | 10.73 | 11.50 |
| 150 | - | - | - | - | - | - | 7.35 | 8.88 | 9.55 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 136 426 | Btu/h | Current consumption | 21.10 | A |
| Power input | 12 633 | W | Mass flow | 2 012 | lbs/h |
| E.E.R. | 10.80 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 90 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 70 | 64 366 | 80 343 | 99 765 | 123 027 | 150 525 | 182 652 | - | - | - |
| 90 | 56 951 | 72 217 | 90 495 | 112 186 | 137 688 | 167 402 | 183 962 | 220 739 | 236 885 |
| 110 | - | 64 350 | 80 988 | 100 614 | 123 636 | 150 457 | 165 420 | 198 702 | 213 340 |
| 130 | - | - | - | 87 563 | 107 665 | 131 175 | 144 339 | 173 744 | 186 728 |
| 140 | - | - | - | - | 98 974 | 120 742 | 132 971 | 160 385 | 172 529 |
| 150 | - | - | - | - | - | - | 121 797 | 147 375 | 158 758 |
| 154 | - | - | - | - | - | - | - | - | - |

Power input in W

| | | | | | | | | | |
|-----|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | 6 773 | 7 004 | 7 267 | 7 577 | 7 952 | 8 408 | - | - | - |
| 90 | 8 212 | 8 414 | 8 629 | 8 872 | 9 160 | 9 510 | 9 714 | 10 187 | 10 405 |
| 110 | - | 10 309 | 10 471 | 10 643 | 10 842 | 11 083 | 11 224 | 11 560 | 11 717 |
| 130 | - | - | - | 13 131 | 13 236 | 13 364 | 13 442 | 13 637 | 13 732 |
| 140 | - | - | - | - | 14 774 | 14 845 | 14 891 | 15 013 | 15 077 |
| 150 | - | - | - | - | - | - | 16 606 | 16 655 | 16 687 |
| 154 | - | - | - | - | - | - | - | - | - |

Current consumption in A

| | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 12.67 | 12.21 | 12.18 | 12.52 | 13.15 | 13.99 | - | - | - |
| 90 | 14.87 | 14.65 | 14.72 | 15.00 | 15.42 | 15.88 | 16.12 | 16.53 | 16.66 |
| 110 | - | 17.22 | 17.56 | 17.96 | 18.34 | 18.62 | 18.69 | 18.68 | 18.60 |
| 130 | - | - | - | 21.39 | 21.91 | 22.18 | 22.19 | 21.93 | 21.71 |
| 140 | - | - | - | - | 23.94 | 24.27 | 24.28 | 23.96 | 23.70 |
| 150 | - | - | - | - | - | - | 26.60 | 26.27 | 25.98 |
| 154 | - | - | - | - | - | - | - | - | - |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| 70 | 723 | 904 | 1 115 | 1 360 | 1 646 | 1 978 | - | - | - |
| 90 | 715 | 898 | 1 111 | 1 358 | 1 645 | 1 978 | 2 163 | 2 573 | 2 753 |
| 110 | - | 889 | 1 101 | 1 348 | 1 635 | 1 966 | 2 151 | 2 560 | 2 740 |
| 130 | - | - | - | 1 333 | 1 617 | 1 946 | 2 129 | 2 535 | 2 713 |
| 140 | - | - | - | - | 1 606 | 1 933 | 2 115 | 2 519 | 2 696 |
| 150 | - | - | - | - | - | - | 2 099 | 2 501 | 2 677 |
| 154 | - | - | - | - | - | - | - | - | - |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | 9.50 | 11.47 | 13.73 | 16.24 | 18.93 | 21.72 | - | - | - |
| 90 | 6.93 | 8.58 | 10.49 | 12.65 | 15.03 | 17.60 | 18.94 | 21.67 | 22.77 |
| 110 | - | 6.24 | 7.73 | 9.45 | 11.40 | 13.58 | 14.74 | 17.19 | 18.21 |
| 130 | - | - | - | 6.67 | 8.13 | 9.82 | 10.74 | 12.74 | 13.60 |
| 140 | - | - | - | - | 6.70 | 8.13 | 8.93 | 10.68 | 11.44 |
| 150 | - | - | - | - | - | - | 7.33 | 8.85 | 9.51 |
| 154 | - | - | - | - | - | - | - | - | - |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 144 339 | Btu/h | Current consumption | 22.19 | A |
| Power input | 13 442 | W | Mass flow | 2 129 | lbs/h |
| E.E.R. | 10.74 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|----|-------|
| Sound power level | 85 | dB(A) |
| With acoustic hood | 79 | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 95 Hz, ARI rating conditions
R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|---|--------|---------|---------|---------|---------|---------|---------|---------|
| 70 | - | 84 518 | 104 962 | 129 461 | 158 430 | 192 284 | - | - | - |
| 90 | - | 76 163 | 95 430 | 118 295 | 145 178 | 176 496 | 193 950 | 232 706 | 249 719 |
| 100 | - | 72 106 | 90 580 | 112 425 | 138 064 | 167 917 | 184 556 | 221 520 | 237 758 |
| 110 | - | 67 978 | 85 526 | 106 219 | 130 483 | 158 744 | 174 506 | 209 559 | 224 972 |
| 120 | - | - | 80 171 | 99 585 | 122 353 | 148 903 | 163 731 | 196 762 | 211 310 |
| 130 | - | - | - | 92 472 | 113 636 | 138 377 | 152 225 | 183 150 | 196 803 |
| 140 | - | - | - | - | - | - | - | 168 955 | 181 710 |

Power input in W

| | | | | | | | | | |
|-----|---|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | - | 7 460 | 7 766 | 8 125 | 8 554 | 9 067 | - | - | - |
| 90 | - | 8 953 | 9 193 | 9 469 | 9 796 | 10 190 | 10 417 | 10 940 | 11 178 |
| 100 | - | 9 879 | 10 084 | 10 316 | 10 591 | 10 923 | 11 116 | 11 564 | 11 769 |
| 110 | - | 10 967 | 11 135 | 11 322 | 11 542 | 11 812 | 11 970 | 12 341 | 12 513 |
| 120 | - | - | 12 376 | 12 516 | 12 681 | 12 886 | 13 008 | 13 302 | 13 440 |
| 130 | - | - | - | 13 931 | 14 039 | 14 177 | 14 263 | 14 478 | 14 582 |
| 140 | - | - | - | - | - | - | - | 15 899 | 15 968 |

Current consumption in A

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 12.84 | 12.77 | 13.11 | 13.78 | 14.68 | - | - | - |
| 90 | - | 15.32 | 15.35 | 15.63 | 16.07 | 16.58 | 16.83 | 17.26 | 17.39 |
| 100 | - | 16.65 | 16.80 | 17.13 | 17.53 | 17.91 | 18.06 | 18.25 | 18.25 |
| 110 | - | 18.03 | 18.36 | 18.77 | 19.17 | 19.47 | 19.56 | 19.54 | 19.44 |
| 120 | - | - | 19.99 | 20.53 | 20.99 | 21.26 | 21.30 | 21.12 | 20.93 |
| 130 | - | - | - | 22.42 | 22.97 | 23.26 | 23.27 | 22.98 | 22.73 |
| 140 | - | - | - | - | - | - | - | 25.11 | 24.81 |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|---|-----|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 951 | 1 172 | 1 431 | 1 733 | 2 082 | - | - | - |
| 90 | - | 947 | 1 171 | 1 432 | 1 735 | 2 086 | 2 280 | 2 713 | 2 903 |
| 100 | - | 944 | 1 168 | 1 428 | 1 731 | 2 082 | 2 276 | 2 708 | 2 898 |
| 110 | - | 939 | 1 163 | 1 423 | 1 725 | 2 075 | 2 269 | 2 700 | 2 889 |
| 120 | - | - | 1 157 | 1 416 | 1 717 | 2 065 | 2 258 | 2 688 | 2 876 |
| 130 | - | - | - | 1 408 | 1 706 | 2 053 | 2 245 | 2 672 | 2 860 |
| 140 | - | - | - | - | - | - | - | 2 653 | 2 840 |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 11.33 | 13.52 | 15.93 | 18.52 | 21.21 | - | - | - |
| 90 | - | 8.51 | 10.38 | 12.49 | 14.82 | 17.32 | 18.62 | 21.27 | 22.34 |
| 100 | - | 7.30 | 8.98 | 10.90 | 13.04 | 15.37 | 16.60 | 19.16 | 20.20 |
| 110 | - | 6.20 | 7.68 | 9.38 | 11.30 | 13.44 | 14.58 | 16.98 | 17.98 |
| 120 | - | - | 6.48 | 7.96 | 9.65 | 11.56 | 12.59 | 14.79 | 15.72 |
| 130 | - | - | - | 6.64 | 8.09 | 9.76 | 10.67 | 12.65 | 13.50 |
| 140 | - | - | - | - | - | - | - | 10.63 | 11.38 |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 152 225 | Btu/h | Current consumption | 23.27 | A |
| Power input | 14 263 | W | Mass flow | 2 245 | lbs/h |
| E.E.R. | 10.67 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.

Performance data at 100 Hz, ARI rating conditions

R410A

| Cond. temp. in °F (tc) | Evaporating temperature in °F (to) | | | | | | | | |
|---------------------------|------------------------------------|---|----|----|----|----|----|----|----|
| | -10 | 0 | 10 | 20 | 30 | 40 | 45 | 55 | 59 |

Cooling capacity in Btu/h

| | | | | | | | | | |
|-----|---|--------|---------|---------|---------|---------|---------|---------|---------|
| 70 | - | 88 641 | 110 098 | 135 826 | 166 259 | 201 829 | - | - | - |
| 90 | - | 80 090 | 100 342 | 124 378 | 152 636 | 185 553 | 203 895 | 244 617 | 262 492 |
| 100 | - | 75 895 | 95 323 | 118 292 | 145 244 | 176 618 | 194 101 | 232 933 | 249 988 |
| 110 | - | 71 601 | 90 060 | 111 818 | 137 321 | 167 014 | 183 570 | 220 379 | 236 562 |
| 120 | - | - | 84 454 | 104 863 | 128 784 | 156 666 | 172 232 | 206 897 | 222 161 |
| 130 | - | - | - | 97 378 | 119 598 | 145 558 | 160 084 | 192 510 | 206 822 |
| 140 | - | - | - | - | - | - | - | 177 464 | 190 818 |

Power input in W

| | | | | | | | | | |
|-----|---|--------|--------|--------|--------|--------|--------|--------|--------|
| 70 | - | 7 921 | 8 274 | 8 687 | 9 174 | 9 747 | - | - | - |
| 90 | - | 9 499 | 9 766 | 10 077 | 10 447 | 10 888 | 11 139 | 11 711 | 11 968 |
| 100 | - | 10 483 | 10 703 | 10 961 | 11 269 | 11 640 | 11 853 | 12 344 | 12 567 |
| 110 | - | 11 640 | 11 811 | 12 012 | 12 256 | 12 555 | 12 730 | 13 138 | 13 325 |
| 120 | - | - | 13 121 | 13 263 | 13 440 | 13 666 | 13 801 | 14 123 | 14 274 |
| 130 | - | - | - | 14 745 | 14 853 | 15 003 | 15 097 | 15 332 | 15 445 |
| 140 | - | - | - | - | - | - | - | 16 795 | 16 870 |

Current consumption in A

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 13.48 | 13.35 | 13.69 | 14.40 | 15.36 | - | - | - |
| 90 | - | 15.96 | 15.94 | 16.23 | 16.70 | 17.25 | 17.52 | 17.97 | 18.10 |
| 100 | - | 17.36 | 17.48 | 17.81 | 18.23 | 18.65 | 18.81 | 19.00 | 19.00 |
| 110 | - | 18.83 | 19.13 | 19.55 | 19.98 | 20.31 | 20.40 | 20.37 | 20.26 |
| 120 | - | - | 20.88 | 21.44 | 21.92 | 22.21 | 22.25 | 22.05 | 21.85 |
| 130 | - | - | - | 23.44 | 24.02 | 24.33 | 24.34 | 24.02 | 23.74 |
| 140 | - | - | - | - | - | - | - | 26.25 | 25.91 |

Mass flow in lbs/h

| | | | | | | | | | |
|-----|---|-----|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 997 | 1 230 | 1 502 | 1 818 | 2 185 | - | - | - |
| 90 | - | 996 | 1 231 | 1 506 | 1 824 | 2 193 | 2 398 | 2 852 | 3 051 |
| 100 | - | 993 | 1 229 | 1 503 | 1 821 | 2 190 | 2 394 | 2 848 | 3 047 |
| 110 | - | 989 | 1 225 | 1 498 | 1 816 | 2 183 | 2 387 | 2 839 | 3 038 |
| 120 | - | - | 1 219 | 1 491 | 1 807 | 2 172 | 2 376 | 2 826 | 3 024 |
| 130 | - | - | - | 1 482 | 1 796 | 2 159 | 2 361 | 2 808 | 3 005 |
| 140 | - | - | - | - | - | - | - | 2 787 | 2 982 |

Energy Efficiency Ratio (E.E.R.)

| | | | | | | | | | |
|-----|---|-------|-------|-------|-------|-------|-------|-------|-------|
| 70 | - | 11.19 | 13.31 | 15.64 | 18.12 | 20.71 | - | - | - |
| 90 | - | 8.43 | 10.27 | 12.34 | 14.61 | 17.04 | 18.31 | 20.89 | 21.93 |
| 100 | - | 7.24 | 8.91 | 10.79 | 12.89 | 15.17 | 16.38 | 18.87 | 19.89 |
| 110 | - | 6.15 | 7.62 | 9.31 | 11.20 | 13.30 | 14.42 | 16.77 | 17.75 |
| 120 | - | - | 6.44 | 7.91 | 9.58 | 11.46 | 12.48 | 14.65 | 15.56 |
| 130 | - | - | - | 6.60 | 8.05 | 9.70 | 10.60 | 12.56 | 13.39 |
| 140 | - | - | - | - | - | - | - | 10.57 | 11.31 |

Nominal performance at to = 45 °F, tc = 130 °F

| | | | | | |
|------------------|---------|-------|---------------------|-------|-------|
| Cooling capacity | 160 084 | Btu/h | Current consumption | 24.34 | A |
| Power input | 15 097 | W | Mass flow | 2 361 | lbs/h |
| E.E.R. | 10.60 | | | | |

Pressure switch settings

| | | |
|---------------------------|-----|--------|
| Maximum HP switch setting | 653 | psi(g) |
| Minimum LP switch setting | 22 | psi(g) |
| LP pump down setting | 33 | psi(g) |

T 0 : Evaporating temperature at dew point

T C : Condensing temperature at dew point

Rating conditions : Superheat = 20 °F , Subcooling = 15 °F

Tolerance according EN12900

Sound power data

| | | |
|--------------------|--|-------|
| Sound power level | | dB(A) |
| With acoustic hood | | dB(A) |

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 and Performer are trademarks of Danfoss A/S. All rights reserved.