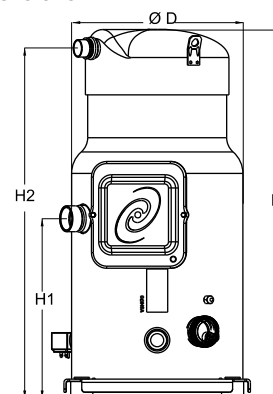


### General Characteristics

Model number (on compressor nameplate)		<b>VZH170BGANB</b>
Code number for Singlepack*		120G0019
Code number for Industrial pack**		120G0087
Drawing number		8551186a
Suction and discharge connections		Brazed
Suction connection		1-5/8" ODF
Discharge connection		1-1/8" ODF
Oil sight glass		Threaded
Oil equalization connection		2-1/4" Rotolock
Oil drain connection		None
LP gauge port		Schrader
IPR valve		None
Swept volume	10.39 in3/rev	
Net weight	247 lbs	
Oil charge	227 oz, POE - 160SZ	
Maximum system test pressure Low Side / High side	438 psi / 653 psi	
Maximum differential test pressure	537 psi	
Maximum number of starts per hour	12	
Refrigerant charge limit	30 lbs	
Approved refrigerants	R410A	

### Dimensions

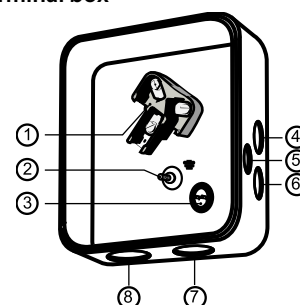


D=12.5 inch, H=27 inch,  
H1=13 inch, H2=25.4 inch, H3=- inch

### 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	0.05 Ω
Rated Load Amps (RLA)	61 A
Maximum Must Trip current (MMT)	76.3 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 M5
- 3: Thermostat connector
- 4: Knock-out Ø 22 mm (7/8") for 1/2" 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")
- 8: Double knock-out Ø 44 mm (1-3/4") for 1-1/4" conduit & Ø 34 mm (1-3/8") for 1" conduit

### Recommended Installation torques

Oil sight glass	44 ft.lbs
Power connections / Earth connection	2 ft.lbs / 1 ft.lbs
Mounting bolts	15 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: 4 Unboxed compressors on pallet (order per multiples of 4)

**Rotolock accessories, suction side**
**Code no.**

Solder sleeve, P03 (2-1/4" Rotolock, 1-5/8" ODF)	8153006
Rotolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF)	8168026
Rotolock adapter (2" 1/4 Rotolock, 1" 5/8 ODF)	120Z0432
Gasket, 2-1/4"	8156133

**Rotolock accessories, discharge 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
Rotolock adapter (1-3/4" Rotolock, 1-1/8" ODF)	120Z0364
Gasket, 1-3/4"	8156132

**Rotolock accessories, sets**
**Code no.**

Solder sleeve adapter set, 1-5/8" ODF & 1-1/8" ODF	7765028
Valve set, V03 (2-1/4"~1-5/8"), V02 (1-3/4"~1-1/8")	7703383
Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white	8156013

**Oil / lubricants**
**Code no.**

POE lubricant, 160SZ, 1 liter can	7754023
POE lubricant, 160SZ, 2 liter can	120Z0571

**Crankcase heaters**
**Code no.**

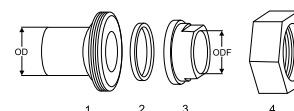
Surface sump heater + bottom insulation, 56 W, 24 V, CE mark, UL	120Z0360
Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL	120Z0376
Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL	120Z0377
Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL	120Z0378
Surface sump heater + bottom insulation, 56 W, 575 V, CE mark, UL	120Z0379
Belt type crankcase heater, 75 W, 110 V, CE mark, UL	7773110
Belt type crankcase heater, 75 W, 230 V, CE mark, UL	7773108
Belt type crankcase heater, 75 W, 400 V, CE mark, UL	7773118

**Miscellaneous accessories**
**Code no.**

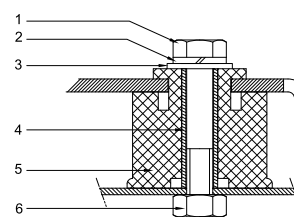
Discharge temperature sensor / converter	120Z0157
Discharge temperature sensor	120Z0158
Discharge temperature converter	120Z0159
Acoustic hood for VZH	120Z0517
Discharge thermostat kit	7750009

**Spare parts**
**Code no.**

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	8156138
Oil sight glass with gaskets (black & white)	8156019
Gasket for oil sight glass (white teflon)	8156129
Terminal box incl cover	120Z0538
Terminal box cover	120Z0537
T block connector 2.4" x 3"	8173021
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)

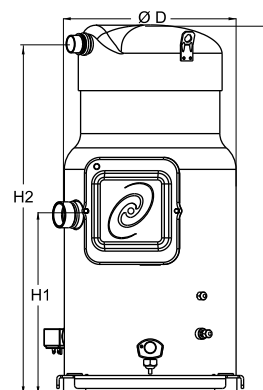
**Mounting kit**


- 1: Bolt (4x)
- 2: Lock washer (4x)
- 3: Flat washer (4x)
- 4: Sleeve (4x)
- 5: Grommet (4x)
- 6: Nut (4x)

### General Characteristics

Model number (on compressor nameplate)		<b>VZH170BGBNB</b>
Code number for Singlepack*		120G0031
Code number for Industrial pack**		120G0099
Drawing number		8551187a
Suction and discharge connections		Brazed
Suction connection		1-5/8" ODF
Discharge connection		1-1/8" ODF
Oil sight glass		None
Oil equalization connection		2-1/4" Rotolock
Oil drain connection		None
LP gauge port		Schrader
IPR valve		None
Swept volume	10.39 in <sup>3</sup> /rev	
Net weight	247 lbs	
Oil charge	227 oz, POE - 160SZ	
Maximum system test pressure Low Side / High side	438 psi / 653 psi	
Maximum differential test pressure	537 psi	
Maximum number of starts per hour	12	
Refrigerant charge limit	30 lbs	
Approved refrigerants	R410A	

### Dimensions

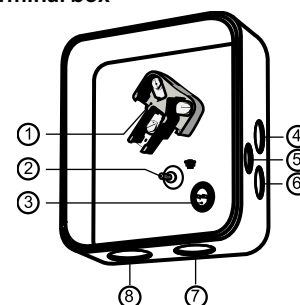


D=12.5 inch, H=27 inch,  
H1=13 inch, H2=25.4 inch, H3=- inch

### 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	0.05 Ω
Rated Load Amps (RLA)	61 A
Maximum Must Trip current (MMT)	76.3 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 M5
- 3: Thermostat connector
- 4: Knock-out Ø 22 mm (7/8") for 1/2" 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")
- 8: Double knock-out Ø 44 mm (1-3/4") for 1-1/4" conduit & Ø 34 mm (1-3/8") for 1" conduit

### Recommended Installation torques

Power connections / Earth connection	2 ft.lbs / 1 ft.lbs
Mounting bolts	15 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: 4 Unboxed compressors on pallet (order per multiples of 4)

**Rotolock accessories, suction side**
**Code no.**

Solder sleeve, P03 (2-1/4" Rotolock, 1-5/8" ODF)	8153006
Rotolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF)	8168026
Rotolock adapter (2"1/4 Rotolock, 1"5/8 ODF)	120Z0432
Gasket, 2-1/4"	8156133

**Rotolock accessories, discharge 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
Rotolock adapter (1-3/4" Rotolock, 1-1/8" ODF)	120Z0364
Gasket, 1-3/4"	8156132

**Rotolock accessories, sets**
**Code no.**

Solder sleeve adapter set, 1-5/8" ODF & 1-1/8" ODF	7765028
Valve set, V03 (2-1/4"~1-5/8"), V02 (1-3/4"~1-1/8")	7703383
Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white	8156013

**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 + bottom insulation, 56 W, 24 V, CE mark, UL	120Z0360
Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL	120Z0376
Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL	120Z0377
Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL	120Z0378
Surface sump heater + bottom insulation, 56 W, 575 V, CE mark, UL	120Z0379
Belt type crankcase heater, 75 W, 110 V, CE mark, UL	7773110
Belt type crankcase heater, 75 W, 230 V, CE mark, UL	7773108
Belt type crankcase heater, 75 W, 400 V, CE mark, UL	7773118

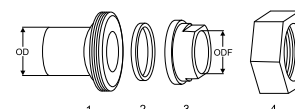
**Miscellaneous accessories**
**Code no.**

Discharge temperature sensor / converter	120Z0157
Discharge temperature sensor	120Z0158
Discharge temperature converter	120Z0159
Acoustic hood for scroll compressor VZH	120Z0518
Discharge thermostat kit	7750009
Hybrid Manifolding Kit for VZH170+SH180 VZH170+SH240 VZH170+SH295 24V	120Z0649
Hybrid Manifolding Kit for VZH170+SH184 24V	120Z0682
Hybrid Manifolding Kit for VZH170+SH180 VZH170+SH240 VZH170+SH295 230V	120Z0650
Hybrid Manifolding kit for VZH170+SH184 230V	120Z0681
Hybrid Manifolding Kit for VZH170+SH240 230V	120Z0600
Suction separator for VZH170+SH180 (50-60Hz)(left-right)	120Z0657
VZH170+SH184 (60Hz)(left) VZH170+SH240 (50-60Hz)(right-left)	
Suction separator for VZH170+SH184 (50Hz) (Left)	120Z0683
Suction separator for VZH170+SH184 (50-60Hz) (Right)	120Z0687
Suction separator for VZH170+SH295 (50-60Hz)	120Z0655
Oil level sensor electrical part 24VAC/VDC	120Z0561
Oil level sensor electrical part 230VAC	120Z0562

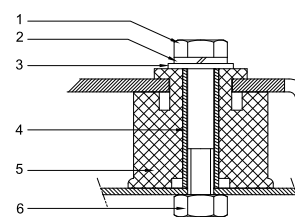
**Spare parts**
**Code no.**

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	8156138
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	120Z0538
Terminal box cover	120Z0537
T block connector 2.4" x 3"	8173021

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**Solder sleeve adapter set**


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

**Mounting kit**


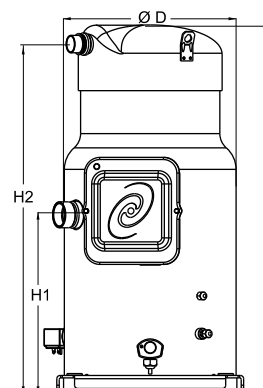
- 1: Bolt (4x)
- 2: Lock washer (4x)
- 3: Flat washer (4x)
- 4: Sleeve (4x)
- 5: Grommet (4x)
- 6: Nut (4x)



## General Characteristics

Model number (on compressor nameplate)		<b>VZH170BGDNB</b>
Code number for Singlepack*		120G0117
Drawing number		8560095b
Suction and discharge connections		Brazed
Suction connection		1-5/8" ODF
Discharge connection		1-1/8" ODF
Oil sight glass		Installed on OEQ
Oil equalization connection		2-1/4" Rotolock
Oil drain connection		None
LP gauge port		Schrader
IPR valve		None
Swept volume	10.39 in3/rev	
Net weight	247 lbs	
Oil charge	260 oz, POE - 160SZ	
Maximum system test pressure Low Side / High side	438 psi / 653 psi	
Maximum differential test pressure	537 psi	
Maximum number of starts per hour	12	
Refrigerant charge limit	30 lbs	
Approved refrigerants	R410A	

## Dimensions

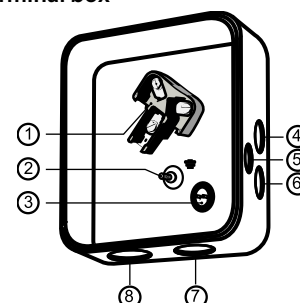


D=12.5 inch, H=27 inch,  
H1=13 inch, H2=25.4 inch, H3=- inch

## 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	0.05 Ω
Rated Load Amps (RLA)	61 A
Maximum Must Trip current (MMT)	76.3 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 M5
- 3: Thermostat connector
- 4: Knock-out Ø 22 mm (7/8") for 1/2" 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")
- 8: Double knock-out Ø 44 mm (1-3/4") for 1-1/4" conduit & Ø 34 mm (1-3/8") for 1" conduit

## Recommended Installation torques

Power connections / Earth connection	2 ft.lbs / 1 ft.lbs
Mounting bolts	15 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, P03 (2-1/4" Rotolock, 1-5/8" ODF)	8153006
Rotolock valve, V03 (2-1/4" Rotolock, 1-5/8" ODF)	8168026
Rotolock adapter (2"1/4 Rotolock, 1"5/8 ODF)	120Z0432
Gasket, 2-1/4"	8156133

**Rotolock accessories, discharge 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
Rotolock adapter (1-3/4" Rotolock, 1-1/8" ODF)	120Z0364
Gasket, 1-3/4"	8156132

**Rotolock accessories, sets**
**Code no.**

Solder sleeve adapter set, 1-5/8" ODF & 1-1/8" ODF	7765028
Valve set, V03 (2-1/4"~1-5/8"), V02 (1-3/4"~1-1/8")	7703383
Gasket set, 1-1/4", 1-3/4", 2-1/4", OSG gaskets black & white	8156013

**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 + bottom insulation, 56 W, 24 V, CE mark, UL	120Z0360
Surface sump heater + bottom insulation, 56 W, 230 V, CE mark, UL	120Z0376
Surface sump heater + bottom insulation, 56 W, 400 V, CE mark, UL	120Z0377
Surface sump heater + bottom insulation, 56 W, 460 V, CE mark, UL	120Z0378
Surface sump heater + bottom insulation, 56 W, 575 V, CE mark, UL	120Z0379
Belt type crankcase heater, 75 W, 110 V, CE mark, UL	7773110
Belt type crankcase heater, 75 W, 230 V, CE mark, UL	7773108
Belt type crankcase heater, 75 W, 400 V, CE mark, UL	7773118

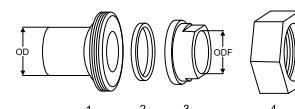
**Miscellaneous accessories**
**Code no.**

Discharge temperature sensor / converter	120Z0157
Discharge temperature sensor	120Z0158
Discharge temperature converter	120Z0159
Acoustic hood for scroll compressor VZH	120Z0518
Discharge thermostat kit	7750009
Hybrid Manifolding Kit for VZH170+SH180 VZH170+SH240 VZH170+SH295 24V	120Z0649
Hybrid Manifolding Kit for VZH170+SH184 24V	120Z0682
Hybrid Manifolding Kit for VZH170+SH180 VZH170+SH240 VZH170+SH295 230V	120Z0650
Hybrid Manifolding kit for VZH170+SH184 230V	120Z0681
Hybrid Manifolding Kit for VZH170+SH240 230V	120Z0600
Suction separator for VZH170+SH180 (50-60Hz)(left-right)	120Z0657
VZH170+SH184 (60Hz)(left) VZH170+SH240 (50-60Hz)(right-left)	
Suction separator for VZH170+SH184 (50Hz) (Left)	120Z0683
Suction separator for VZH170+SH184 (50-60Hz) (Right)	120Z0687
Suction separator for VZH170+SH295 (50-60Hz)	120Z0655
Oil level sensor electrical part 24VAC/VDC	120Z0561
Oil level sensor electrical part 230VAC	120Z0562

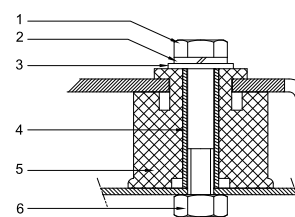
**Spare parts**
**Code no.**

Mounting kit for 1 scroll compressor including 4 grommets, 4 sleeves, 4 bolts, 4 washers	8156138
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	120Z0538
Terminal box cover	120Z0537
T block connector 2.4" x 3"	8173021

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**Solder sleeve adapter set**


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

**Mounting kit**


- 1: Bolt (4x)
- 2: Lock washer (4x)
- 3: Flat washer (4x)
- 4: Sleeve (4x)
- 5: Grommet (4x)
- 6: Nut (4x)





**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	-	45 407	55 841	68 186	82 679	99 554	-	-	-
90	-	39 342	49 242	60 895	74 540	90 416	99 265	118 933	127 578
100	-	36 302	45 850	57 073	70 213	85 508	94 040	113 019	121 370
110	-	-	42 346	53 087	65 668	80 334	88 524	106 769	114 807
120	-	-	-	48 905	60 883	74 876	82 704	100 176	107 887
130	-	-	-	-	55 856	69 144	76 597	93 277	100 654
140	-	-	-	-	-	-	-	-	93 274

**Power input in W**

70	-	3 236	3 090	2 936	2 763	2 559	-	-	-
90	-	4 493	4 343	4 201	4 055	3 893	3 803	3 597	3 504
100	-	5 182	5 030	4 893	4 760	4 619	4 542	4 369	4 291
110	-	-	5 790	5 659	5 539	5 419	5 356	5 215	5 151
120	-	-	-	6 525	6 418	6 319	6 269	6 160	6 111
130	-	-	-	-	7 423	7 344	7 307	7 230	7 197
140	-	-	-	-	-	-	-	-	8 434

**Current consumption in A**

70	-	6.42	5.97	5.71	5.50	5.19	-	-	-
90	-	9.27	8.93	8.78	8.67	8.47	8.29	7.68	7.33
100	-	10.47	10.19	10.09	10.03	9.89	9.73	9.18	8.84
110	-	-	11.45	11.41	11.41	11.31	11.19	10.69	10.37
120	-	-	-	12.85	12.91	12.87	12.77	12.32	12.03
130	-	-	-	-	14.65	14.67	14.60	14.21	13.93
140	-	-	-	-	-	-	-	-	16.20

**Mass flow in lbs/h**

70	-	511	624	755	907	1 081	-	-	-
90	-	488	604	737	891	1 069	1 167	1 386	1 482
100	-	475	591	725	881	1 061	1 161	1 382	1 479
110	-	-	576	712	869	1 051	1 152	1 376	1 475
120	-	-	-	696	855	1 039	1 142	1 369	1 468
130	-	-	-	-	839	1 025	1 129	1 359	1 460
140	-	-	-	-	-	-	-	-	1 449

**Energy Efficiency Ratio (E.E.R.)**

70	-	14.03	18.07	23.23	29.93	38.91	-	-	-
90	-	8.76	11.34	14.50	18.38	23.23	26.10	33.06	36.41
100	-	7.01	9.12	11.66	14.75	18.51	20.70	25.87	28.29
110	-	-	7.31	9.38	11.86	14.82	16.53	20.47	22.29
120	-	-	-	7.50	9.49	11.85	13.19	16.26	17.65
130	-	-	-	-	7.52	9.41	10.48	12.90	13.99
140	-	-	-	-	-	-	-	-	11.06

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

Cooling capacity	76 597	Btu/h	Current consumption	14.60	A
Power input	7 307	W	Mass flow	1 129	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	dB(A)
With acoustic hood	dB(A)

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**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	43 132	53 753	66 501	81 669	99 548	120 431	-	-	-
90	37 007	47 081	59 056	73 229	89 893	109 345	120 207	144 391	155 033
110	-	-	51 278	64 199	79 398	97 174	107 122	129 324	139 120
120	-	-	-	59 374	73 755	90 614	100 067	121 208	130 553
130	-	-	-	-	67 846	83 751	92 693	112 748	121 635
140	-	-	-	-	-	76 699	85 136	104 125	112 568
145	-	-	-	-	-	-	-	-	-

**Power input in W**

70	4 095	3 921	3 754	3 581	3 394	3 179	-	-	-
90	5 529	5 344	5 178	5 021	4 860	4 685	4 589	4 373	4 276
110	-	-	6 846	6 703	6 570	6 435	6 364	6 207	6 137
120	-	-	-	7 704	7 585	7 471	7 412	7 285	7 228
130	-	-	-	-	8 744	8 650	8 604	8 506	8 463
140	-	-	-	-	-	10 001	9 967	9 900	9 870
145	-	-	-	-	-	-	-	-	-

**Current consumption in A**

70	8.83	7.97	7.46	7.14	6.88	6.52	-	-	-
90	11.55	10.80	10.39	10.19	10.06	9.85	9.67	9.07	8.71
110	-	-	13.18	13.07	13.04	12.94	12.81	12.34	12.04
120	-	-	-	14.68	14.68	14.62	14.53	14.11	13.83
130	-	-	-	-	16.56	16.54	16.46	16.08	15.82
140	-	-	-	-	-	18.77	18.71	18.36	18.12
145	-	-	-	-	-	-	-	-	-

**Mass flow in lbs/h**

70	485	605	744	905	1 091	1 306	-	-	-
90	464	584	724	886	1 074	1 292	1 414	1 683	1 802
110	-	-	697	861	1 051	1 271	1 394	1 667	1 787
120	-	-	-	845	1 036	1 258	1 381	1 656	1 776
130	-	-	-	-	1 019	1 242	1 366	1 642	1 764
140	-	-	-	-	-	1 224	1 349	1 626	1 748
145	-	-	-	-	-	-	-	-	-

**Energy Efficiency Ratio (E.E.R.)**

70	10.53	13.71	17.72	22.80	29.33	37.88	-	-	-
90	6.69	8.81	11.40	14.59	18.50	23.34	26.19	33.02	36.26
110	-	-	7.49	9.58	12.09	15.10	16.83	20.83	22.67
120	-	-	-	7.71	9.72	12.13	13.50	16.64	18.06
130	-	-	-	-	7.76	9.68	10.77	13.25	14.37
140	-	-	-	-	-	7.67	8.54	10.52	11.40
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	92 693	Btu/h	Current consumption	16.46	A
Power input	8 604	W	Mass flow	1 366	lbs/h
E.E.R.	10.77				

**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	72	dB(A)
With acoustic hood	65	dB(A)

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**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	49 659	62 133	77 177	95 139	116 365	141 202	-	-	-
90	43 068	54 837	68 887	85 570	105 237	128 239	141 099	169 756	182 378
110	-	-	60 210	75 320	93 139	114 024	125 727	151 876	163 422
120	-	-	-	69 844	86 643	106 377	117 457	142 269	153 247
130	-	-	-	-	79 848	98 390	108 829	132 275	142 676
140	-	-	-	-	-	90 203	100 007	122 109	131 948
145	-	-	-	-	-	-	-	-	-

**Power input in W**

70	4 812	4 621	4 437	4 249	4 046	3 817	-	-	-
90	6 401	6 207	6 032	5 864	5 691	5 504	5 401	5 169	5 065
110	-	-	7 918	7 769	7 626	7 480	7 402	7 228	7 151
120	-	-	-	8 904	8 777	8 651	8 585	8 440	8 376
130	-	-	-	-	10 089	9 983	9 930	9 814	9 762
140	-	-	-	-	-	11 507	11 465	11 378	11 339
145	-	-	-	-	-	-	-	-	-

**Current consumption in A**

70	10.38	9.48	8.92	8.56	8.25	7.84	-	-	-
90	13.14	12.31	11.85	11.62	11.47	11.25	11.07	10.47	10.12
110	-	-	14.92	14.75	14.68	14.57	14.46	14.02	13.73
120	-	-	-	16.53	16.48	16.40	16.31	15.91	15.65
130	-	-	-	-	18.51	18.44	18.36	18.00	17.75
140	-	-	-	-	-	20.77	20.69	20.34	20.11
145	-	-	-	-	-	-	-	-	-

**Mass flow in lbs/h**

70	560	700	864	1 053	1 274	1 531	-	-	-
90	540	681	844	1 035	1 257	1 516	1 659	1 979	2 120
110	-	-	819	1 010	1 233	1 492	1 636	1 958	2 099
120	-	-	-	994	1 217	1 477	1 622	1 943	2 085
130	-	-	-	-	1 200	1 459	1 604	1 927	2 069
140	-	-	-	-	-	1 439	1 584	1 907	2 049
145	-	-	-	-	-	-	-	-	-

**Energy Efficiency Ratio (E.E.R.)**

70	10.32	13.45	17.39	22.39	28.76	36.99	-	-	-
90	6.73	8.83	11.42	14.59	18.49	23.30	26.13	32.84	36.01
110	-	-	7.60	9.70	12.21	15.24	16.99	21.01	22.85
120	-	-	-	7.84	9.87	12.30	13.68	16.86	18.30
130	-	-	-	-	7.91	9.86	10.96	13.48	14.62
140	-	-	-	-	-	7.84	8.72	10.73	11.64
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	108 829	Btu/h	Current consumption	18.36	A
Power input	9 930	W	Mass flow	1 604	lbs/h
E.E.R.	10.96				

**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)

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## Datasheet, performance data

## Danfoss scroll compressor. VZH170BG

### 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	56 229	70 549	87 871	108 598	133 130	161 867	-	-	-
90	49 142	62 610	78 733	97 919	120 572	147 098	161 939	195 030	209 611
110	-	-	69 142	86 449	106 893	130 885	144 340	174 423	187 714
120	-	-	-	80 318	99 545	122 164	134 875	163 359	175 970
130	-	-	-	-	91 864	113 060	125 006	151 857	163 777
140	-	-	-	-	-	103 742	114 927	140 169	151 414
145	-	-	-	-	-	-	-	-	-

#### Power input in W

70	5 536	5 335	5 141	4 940	4 721	4 472	-	-	-
90	7 279	7 083	6 904	6 730	6 549	6 348	6 237	5 985	5 871
110	-	-	9 007	8 856	8 709	8 554	8 469	8 279	8 192
120	-	-	-	10 125	9 994	9 860	9 788	9 627	9 554
130	-	-	-	-	11 457	11 344	11 285	11 152	11 092
140	-	-	-	-	-	13 038	12 991	12 886	12 839
145	-	-	-	-	-	-	-	-	-

#### Current consumption in A

70	11.86	10.93	10.34	9.94	9.60	9.16	-	-	-
90	14.69	13.82	13.32	13.06	12.89	12.66	12.48	11.89	11.55
110	-	-	16.67	16.45	16.35	16.23	16.12	15.70	15.44
120	-	-	-	18.40	18.30	18.20	18.11	17.74	17.50
130	-	-	-	-	20.48	20.38	20.29	19.95	19.72
140	-	-	-	-	-	22.82	22.73	22.38	22.16
145	-	-	-	-	-	-	-	-	-

#### Mass flow in lbs/h

70	635	796	983	1 202	1 458	1 754	-	-	-
90	617	777	965	1 184	1 441	1 738	1 904	2 274	2 436
110	-	-	940	1 159	1 415	1 713	1 879	2 248	2 411
120	-	-	-	1 143	1 399	1 696	1 862	2 232	2 394
130	-	-	-	-	1 380	1 677	1 843	2 212	2 374
140	-	-	-	-	-	1 655	1 821	2 189	2 351
145	-	-	-	-	-	-	-	-	-

#### Energy Efficiency Ratio (E.E.R.)

70	10.16	13.22	17.09	21.98	28.20	36.20	-	-	-
90	6.75	8.84	11.40	14.55	18.41	23.17	25.96	32.59	35.71
110	-	-	7.68	9.76	12.27	15.30	17.04	21.07	22.91
120	-	-	-	7.93	9.96	12.39	13.78	16.97	18.42
130	-	-	-	-	8.02	9.97	11.08	13.62	14.76
140	-	-	-	-	-	7.96	8.85	10.88	11.79
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	125 006	Btu/h	Current consumption	20.29	A
Power input	11 285	W	Mass flow	1 843	lbs/h
E.E.R.	11.08				

#### 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)

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**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	62 841	78 999	98 582	122 045	149 842	182 428	-	-	-
90	55 226	70 399	88 595	110 275	135 897	165 921	182 727	220 212	236 733
110	-	-	78 073	97 587	120 659	147 756	162 959	196 965	211 994
120	-	-	-	90 793	112 462	137 975	152 319	184 478	198 720
130	-	-	-	-	103 893	127 763	141 224	171 495	184 939
140	-	-	-	-	-	117 314	129 895	158 304	170 966
145	-	-	-	-	-	-	-	-	-

**Power input in W**

70	6 269	6 065	5 864	5 653	5 418	5 145	-	-	-
90	8 163	7 972	7 795	7 620	7 433	7 219	7 099	6 820	6 693
110	-	-	10 112	9 965	9 818	9 657	9 566	9 358	9 262
120	-	-	-	11 366	11 236	11 098	11 021	10 845	10 763
130	-	-	-	-	12 849	12 732	12 669	12 523	12 455
140	-	-	-	-	-	14 596	14 544	14 426	14 371
145	-	-	-	-	-	-	-	-	-

**Current consumption in A**

70	13.27	12.33	11.72	11.30	10.93	10.47	-	-	-
90	16.21	15.32	14.80	14.51	14.32	14.08	13.90	13.34	13.01
110	-	-	18.43	18.16	18.03	17.90	17.80	17.41	17.17
120	-	-	-	20.28	20.14	20.02	19.93	19.59	19.37
130	-	-	-	-	22.48	22.35	22.26	21.94	21.73
140	-	-	-	-	-	24.94	24.83	24.50	24.29
145	-	-	-	-	-	-	-	-	-

**Mass flow in lbs/h**

70	710	892	1 103	1 351	1 640	1 977	-	-	-
90	693	874	1 086	1 334	1 624	1 961	2 149	2 567	2 751
110	-	-	1 062	1 308	1 597	1 933	2 121	2 539	2 723
120	-	-	-	1 293	1 580	1 916	2 103	2 520	2 704
130	-	-	-	-	1 561	1 895	2 082	2 498	2 681
140	-	-	-	-	-	1 872	2 058	2 472	2 655
145	-	-	-	-	-	-	-	-	-

**Energy Efficiency Ratio (E.E.R.)**

70	10.02	13.03	16.81	21.59	27.66	35.46	-	-	-
90	6.77	8.83	11.37	14.47	18.28	22.98	25.74	32.29	35.37
110	-	-	7.72	9.79	12.29	15.30	17.03	21.05	22.89
120	-	-	-	7.99	10.01	12.43	13.82	17.01	18.46
130	-	-	-	-	8.09	10.03	11.15	13.69	14.85
140	-	-	-	-	-	8.04	8.93	10.97	11.90
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	141 224	Btu/h	Current consumption	22.26	A
Power input	12 669	W	Mass flow	2 082	lbs/h
E.E.R.	11.15				

**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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	69 496	87 484	109 309	135 479	166 502	202 882	-	-	-
90	61 321	78 206	98 474	122 639	151 213	184 710	203 463	245 301	263 743
110	-	-	87 005	108 733	134 438	164 638	181 586	219 504	236 264
120	-	-	-	101 271	125 395	153 810	169 790	205 626	221 499
130	-	-	-	-	115 934	142 498	157 482	191 188	206 161
140	-	-	-	-	-	130 920	144 911	176 514	190 603
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	7 009	6 809	6 608	6 389	6 136	5 835	-	-	-
90	9 053	8 873	8 705	8 534	8 343	8 116	7 985	7 676	7 533
110	-	-	11 234	11 097	10 953	10 788	10 693	10 466	10 359
120	-	-	-	12 627	12 503	12 364	12 284	12 093	12 003
130	-	-	-	-	14 265	14 148	14 082	13 924	13 849
140	-	-	-	-	-	16 179	16 125	15 996	15 934
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	14.60	13.68	13.08	12.64	12.25	11.78	-	-	-
90	17.70	16.81	16.28	15.97	15.76	15.52	15.34	14.80	14.49
110	-	-	20.19	19.89	19.73	19.59	19.49	19.13	18.91
120	-	-	-	22.17	22.00	21.87	21.78	21.46	21.27
130	-	-	-	-	24.51	24.36	24.26	23.96	23.78
140	-	-	-	-	-	27.10	26.99	26.68	26.49
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	786	988	1 223	1 500	1 822	2 198	-	-	-
90	770	971	1 207	1 483	1 807	2 183	2 393	2 860	3 065
110	-	-	1 183	1 458	1 779	2 154	2 364	2 830	3 035
120	-	-	-	1 442	1 762	2 135	2 344	2 809	3 014
130	-	-	-	-	1 742	2 114	2 321	2 785	2 989
140	-	-	-	-	-	2 089	2 296	2 757	2 960
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.91	12.85	16.54	21.21	27.13	34.77	-	-	-
90	6.77	8.81	11.31	14.37	18.13	22.76	25.48	31.96	35.01
110	-	-	7.74	9.80	12.27	15.26	16.98	20.97	22.81
120	-	-	-	8.02	10.03	12.44	13.82	17.00	18.45
130	-	-	-	-	8.13	10.07	11.18	13.73	14.89
140	-	-	-	-	-	8.09	8.99	11.03	11.96
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	157 482	Btu/h	Current consumption	24.26	A
Power input	14 082	W	Mass flow	2 321	lbs/h
E.E.R.	11.18				

### 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)

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**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	76 194	96 004	120 054	148 902	183 109	223 232	-	-	-
90	67 427	86 029	108 368	135 010	166 520	203 463	224 149	270 299	290 643
110	-	-	95 936	119 888	148 228	181 530	200 220	242 038	260 524
120	-	-	-	111 751	138 343	169 670	187 289	226 803	244 308
130	-	-	-	-	127 988	157 266	173 782	210 938	227 444
140	-	-	-	-	-	144 561	159 977	194 801	210 328
145	-	-	-	-	-	-	-	-	-

**Power input in W**

70	7 758	7 569	7 371	7 147	6 876	6 542	-	-	-
90	9 948	9 787	9 634	9 471	9 279	9 039	8 896	8 552	8 389
110	-	-	12 372	12 249	12 114	11 949	11 849	11 604	11 485
120	-	-	-	13 910	13 795	13 659	13 577	13 373	13 273
130	-	-	-	-	15 705	15 592	15 525	15 357	15 274
140	-	-	-	-	-	17 789	17 734	17 597	17 529
145	-	-	-	-	-	-	-	-	-

**Current consumption in A**

70	15.86	14.99	14.39	13.96	13.56	13.08	-	-	-
90	19.16	18.30	17.77	17.45	17.22	16.97	16.80	16.29	16.00
110	-	-	21.95	21.63	21.45	21.30	21.20	20.87	20.67
120	-	-	-	24.08	23.88	23.73	23.64	23.36	23.18
130	-	-	-	-	26.57	26.39	26.30	26.03	25.87
140	-	-	-	-	-	29.33	29.22	28.93	28.77
145	-	-	-	-	-	-	-	-	-

**Mass flow in lbs/h**

70	863	1 084	1 344	1 648	2 004	2 418	-	-	-
90	847	1 068	1 328	1 633	1 989	2 404	2 636	3 151	3 378
110	-	-	1 305	1 607	1 962	2 375	2 606	3 120	3 347
120	-	-	-	1 591	1 944	2 356	2 586	3 098	3 324
130	-	-	-	-	1 923	2 333	2 562	3 072	3 297
140	-	-	-	-	-	2 307	2 534	3 042	3 266
145	-	-	-	-	-	-	-	-	-

**Energy Efficiency Ratio (E.E.R.)**

70	9.82	12.68	16.29	20.84	26.63	34.12	-	-	-
90	6.78	8.79	11.25	14.26	17.95	22.51	25.20	31.61	34.65
110	-	-	7.75	9.79	12.24	15.19	16.90	20.86	22.68
120	-	-	-	8.03	10.03	12.42	13.79	16.96	18.41
130	-	-	-	-	8.15	10.09	11.19	13.74	14.89
140	-	-	-	-	-	8.13	9.02	11.07	12.00
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	173 782	Btu/h	Current consumption	26.30	A
Power input	15 525	W	Mass flow	2 562	lbs/h
E.E.R.	11.19				

**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)

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**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	82 934	104 560	130 815	162 313	199 664	243 477	-	-	-
90	73 545	93 870	118 278	147 388	181 817	222 182	244 782	295 205	317 432
110	-	-	104 868	131 052	162 031	198 433	218 862	264 569	284 773
120	-	-	-	122 233	151 306	185 554	204 816	248 010	267 144
130	-	-	-	-	140 055	172 065	190 123	230 743	248 788
140	-	-	-	-	-	158 236	175 090	213 163	230 138
145	-	-	-	-	-	-	-	-	-

**Power input in W**

70	8 514	8 343	8 155	7 927	7 639	7 267	-	-	-
90	10 849	10 713	10 581	10 431	10 241	9 989	9 833	9 447	9 262
110	-	-	13 528	13 424	13 302	13 139	13 035	12 770	12 638
120	-	-	-	15 212	15 112	14 982	14 899	14 683	14 574
130	-	-	-	-	17 168	17 063	16 997	16 822	16 732
140	-	-	-	-	-	19 424	19 370	19 229	19 156
145	-	-	-	-	-	-	-	-	-

**Current consumption in A**

70	17.05	16.24	15.68	15.25	14.85	14.38	-	-	-
90	20.59	19.78	19.26	18.93	18.69	18.44	18.27	17.79	17.53
110	-	-	23.73	23.39	23.19	23.02	22.92	22.62	22.45
120	-	-	-	26.00	25.78	25.62	25.53	25.27	25.12
130	-	-	-	-	28.65	28.47	28.38	28.13	28.00
140	-	-	-	-	-	31.61	31.50	31.24	31.11
145	-	-	-	-	-	-	-	-	-

**Mass flow in lbs/h**

70	939	1 181	1 464	1 797	2 185	2 637	-	-	-
90	924	1 166	1 450	1 783	2 172	2 625	2 878	3 442	3 689
110	-	-	1 426	1 757	2 145	2 597	2 849	3 411	3 658
120	-	-	-	1 740	2 126	2 576	2 828	3 388	3 635
130	-	-	-	-	2 105	2 552	2 803	3 361	3 607
140	-	-	-	-	-	2 525	2 774	3 329	3 574
145	-	-	-	-	-	-	-	-	-

**Energy Efficiency Ratio (E.E.R.)**

70	9.74	12.53	16.04	20.48	26.14	33.50	-	-	-
90	6.78	8.76	11.18	14.13	17.75	22.24	24.89	31.25	34.27
110	-	-	7.75	9.76	12.18	15.10	16.79	20.72	22.53
120	-	-	-	8.04	10.01	12.38	13.75	16.89	18.33
130	-	-	-	-	8.16	10.08	11.19	13.72	14.87
140	-	-	-	-	-	8.15	9.04	11.09	12.01
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	190 123	Btu/h	Current consumption	28.38	A
Power input	16 997	W	Mass flow	2 803	lbs/h
E.E.R.	11.19				

**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	78	dB(A)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	89 717	113 150	141 594	175 712	216 166	263 616	-	-	-
90	79 673	101 727	128 204	159 773	197 105	240 865	265 365	320 018	344 109
110	-	-	113 799	142 223	175 846	215 346	237 511	287 095	309 011
120	-	-	-	132 717	164 285	201 462	222 369	269 246	290 009
130	-	-	-	-	152 135	186 897	206 504	250 604	270 192
140	-	-	-	-	-	171 946	190 252	231 601	250 034
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	9 278	9 132	8 958	8 730	8 423	8 010	-	-	-
90	11 756	11 653	11 547	11 415	11 229	10 964	10 794	10 363	10 152
110	-	-	14 699	14 621	14 515	14 357	14 250	13 965	13 820
120	-	-	-	16 536	16 455	16 335	16 252	16 024	15 906
130	-	-	-	-	18 654	18 562	18 498	18 318	18 222
140	-	-	-	-	-	21 085	21 035	20 891	20 814
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	18.16	17.44	16.92	16.51	16.12	15.67	-	-	-
90	21.99	21.25	20.76	20.43	20.18	19.92	19.76	19.32	19.09
110	-	-	25.51	25.16	24.94	24.76	24.67	24.40	24.24
120	-	-	-	27.94	27.70	27.53	27.44	27.21	27.09
130	-	-	-	-	30.77	30.57	30.48	30.27	30.16
140	-	-	-	-	-	33.95	33.85	33.63	33.52
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 016	1 278	1 585	1 945	2 366	2 855	-	-	-
90	1 001	1 264	1 571	1 932	2 355	2 846	3 120	3 731	4 000
110	-	-	1 547	1 907	2 328	2 818	3 092	3 701	3 970
120	-	-	-	1 890	2 309	2 797	3 070	3 678	3 946
130	-	-	-	-	2 286	2 772	3 044	3 650	3 917
140	-	-	-	-	-	2 744	3 014	3 617	3 883
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.67	12.39	15.81	20.13	25.67	32.91	-	-	-
90	6.78	8.73	11.10	14.00	17.55	21.97	24.58	30.88	33.90
110	-	-	7.74	9.73	12.11	15.00	16.67	20.56	22.36
120	-	-	-	8.03	9.98	12.33	13.68	16.80	18.23
130	-	-	-	-	8.16	10.07	11.16	13.68	14.83
140	-	-	-	-	-	8.15	9.04	11.09	12.01
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	206 504	Btu/h	Current consumption	30.48	A
Power input	18 498	W	Mass flow	3 044	lbs/h
E.E.R.	11.16				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	96 543	121 774	152 389	189 099	232 616	283 650	-	-	-
90	85 812	109 601	138 146	172 166	212 383	259 513	285 895	344 741	370 676
110	-	-	122 730	153 404	189 674	232 269	256 167	309 618	333 238
120	-	-	-	143 204	177 278	217 395	239 949	290 511	312 902
130	-	-	-	-	164 228	201 761	222 926	270 520	291 657
140	-	-	-	-	-	185 689	205 463	250 114	270 016
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	10 051	9 936	9 781	9 555	9 228	8 770	-	-	-
90	12 669	12 605	12 532	12 422	12 243	11 966	11 780	11 298	11 058
110	-	-	15 888	15 839	15 755	15 604	15 495	15 190	15 029
120	-	-	-	17 880	17 822	17 715	17 634	17 397	17 268
130	-	-	-	-	20 165	20 088	20 028	19 845	19 743
140	-	-	-	-	-	22 772	22 727	22 585	22 504
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	19.20	18.60	18.14	17.75	17.38	16.95	-	-	-
90	23.35	22.72	22.27	21.94	21.68	21.41	21.26	20.87	20.67
110	-	-	27.30	26.95	26.71	26.52	26.42	26.18	26.06
120	-	-	-	29.90	29.64	29.46	29.37	29.17	29.07
130	-	-	-	-	32.91	32.71	32.63	32.45	32.37
140	-	-	-	-	-	36.35	36.26	36.08	36.01
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 094	1 376	1 706	2 093	2 546	3 072	-	-	-
90	1 078	1 361	1 693	2 082	2 537	3 067	3 362	4 019	4 308
110	-	-	1 669	2 057	2 511	3 039	3 334	3 992	4 281
120	-	-	-	2 039	2 491	3 018	3 313	3 969	4 258
130	-	-	-	-	2 468	2 993	3 286	3 940	4 228
140	-	-	-	-	-	2 963	3 255	3 906	4 193
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.61	12.26	15.58	19.79	25.21	32.34	-	-	-
90	6.77	8.70	11.02	13.86	17.35	21.69	24.27	30.51	33.52
110	-	-	7.72	9.69	12.04	14.88	16.53	20.38	22.17
120	-	-	-	8.01	9.95	12.27	13.61	16.70	18.12
130	-	-	-	-	8.14	10.04	11.13	13.63	14.77
140	-	-	-	-	-	8.15	9.04	11.07	12.00
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	222 926	Btu/h	Current consumption	32.63	A
Power input	20 028	W	Mass flow	3 286	lbs/h
E.E.R.	11.13				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	103 412	130 435	163 202	202 475	249 014	303 580	-	-	-
90	91 963	117 493	148 104	184 567	227 652	278 127	306 375	369 371	397 132
110	-	-	131 662	164 593	203 514	249 204	274 831	332 136	357 455
120	-	-	-	153 694	190 287	233 352	257 557	311 805	335 824
130	-	-	-	-	176 335	216 657	239 389	290 493	313 182
140	-	-	-	-	-	199 467	220 722	268 704	290 084
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	10 831	10 755	10 625	10 403	10 056	9 547	-	-	-
90	13 588	13 569	13 536	13 452	13 283	12 993	12 792	12 254	11 981
110	-	-	17 093	17 079	17 020	16 881	16 770	16 443	16 267
120	-	-	-	19 244	19 215	19 125	19 046	18 800	18 661
130	-	-	-	-	21 699	21 642	21 587	21 404	21 296
140	-	-	-	-	-	24 485	24 446	24 309	24 225
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	20.16	19.70	19.32	18.97	18.62	18.23	-	-	-
90	24.69	24.18	23.78	23.46	23.19	22.92	22.77	22.43	22.28
110	-	-	29.09	28.76	28.50	28.30	28.20	27.99	27.89
120	-	-	-	31.86	31.60	31.41	31.32	31.16	31.08
130	-	-	-	-	35.08	34.89	34.81	34.67	34.62
140	-	-	-	-	-	38.80	38.72	38.60	38.56
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 171	1 474	1 827	2 241	2 725	3 288	-	-	-
90	1 155	1 459	1 815	2 232	2 720	3 286	3 603	4 306	4 616
110	-	-	1 790	2 207	2 694	3 261	3 577	4 282	4 592
120	-	-	-	2 188	2 674	3 240	3 556	4 260	4 570
130	-	-	-	-	2 650	3 214	3 529	4 231	4 540
140	-	-	-	-	-	3 183	3 497	4 196	4 504
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.55	12.13	15.36	19.46	24.76	31.80	-	-	-
90	6.77	8.66	10.94	13.72	17.14	21.41	23.95	30.14	33.15
110	-	-	7.70	9.64	11.96	14.76	16.39	20.20	21.97
120	-	-	-	7.99	9.90	12.20	13.52	16.59	18.00
130	-	-	-	-	8.13	10.01	11.09	13.57	14.71
140	-	-	-	-	-	8.15	9.03	11.05	11.97
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	239 389	Btu/h	Current consumption	34.81	A
Power input	21 587	W	Mass flow	3 529	lbs/h
E.E.R.	11.09				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	110 323	139 130	174 031	215 838	265 359	323 403	-	-	-
90	98 125	125 401	158 078	196 975	242 912	296 705	326 802	393 909	423 476
110	-	-	140 593	175 791	217 366	266 149	293 502	354 650	381 661
120	-	-	-	164 186	203 312	249 333	275 192	333 129	358 774
130	-	-	-	-	188 453	231 586	255 893	310 520	334 767
140	-	-	-	-	-	213 279	236 029	287 368	310 238
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	11 619	11 589	11 488	11 274	10 906	10 342	-	-	-
90	14 512	14 546	14 558	14 506	14 350	14 047	13 828	13 229	12 922
110	-	-	18 314	18 341	18 312	18 186	18 074	17 725	17 532
120	-	-	-	20 629	20 632	20 563	20 489	20 234	20 085
130	-	-	-	-	23 257	23 223	23 176	22 994	22 881
140	-	-	-	-	-	26 224	26 194	26 063	25 978
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	21.06	20.76	20.46	20.16	19.84	19.50	-	-	-
90	26.00	25.63	25.30	25.00	24.71	24.44	24.30	24.02	23.91
110	-	-	30.89	30.58	30.31	30.09	29.99	29.81	29.74
120	-	-	-	33.85	33.58	33.38	33.30	33.16	33.12
130	-	-	-	-	37.28	37.09	37.02	36.93	36.90
140	-	-	-	-	-	41.31	41.25	41.19	41.19
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 250	1 572	1 948	2 389	2 904	3 503	-	-	-
90	1 233	1 558	1 937	2 382	2 902	3 506	3 843	4 592	4 922
110	-	-	1 912	2 357	2 877	3 483	3 820	4 572	4 903
120	-	-	-	2 338	2 857	3 462	3 799	4 551	4 882
130	-	-	-	-	2 832	3 435	3 772	4 523	4 853
140	-	-	-	-	-	3 403	3 739	4 487	4 817
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.50	12.01	15.15	19.14	24.33	31.27	-	-	-
90	6.76	8.62	10.86	13.58	16.93	21.12	23.63	29.78	32.77
110	-	-	7.68	9.58	11.87	14.64	16.24	20.01	21.77
120	-	-	-	7.96	9.85	12.13	13.43	16.46	17.86
130	-	-	-	-	8.10	9.97	11.04	13.50	14.63
140	-	-	-	-	-	8.13	9.01	11.03	11.94
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	255 893	Btu/h	Current consumption	37.02	A
Power input	23 176	W	Mass flow	3 772	lbs/h
E.E.R.	11.04				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	117 277	147 860	184 878	229 189	281 652	343 121	-	-	-
90	104 297	133 326	168 067	209 391	258 162	315 247	347 178	418 354	449 709
110	-	-	149 524	186 996	231 230	283 104	312 180	377 160	405 857
120	-	-	-	174 679	216 351	265 338	292 853	354 481	381 752
130	-	-	-	-	200 585	246 546	272 437	330 603	356 413
140	-	-	-	-	-	227 125	251 384	306 108	330 478
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	12 415	12 438	12 371	12 167	11 777	11 154	-	-	-
90	15 442	15 536	15 599	15 584	15 442	15 127	14 889	14 224	13 879
110	-	-	19 553	19 625	19 629	19 520	19 407	19 036	18 825
120	-	-	-	22 035	22 075	22 030	21 961	21 699	21 540
130	-	-	-	-	24 838	24 832	24 794	24 615	24 498
140	-	-	-	-	-	27 989	27 969	27 849	27 763
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	21.88	21.76	21.57	21.33	21.05	20.77	-	-	-
90	27.27	27.07	26.82	26.54	26.25	25.98	25.85	25.63	25.56
110	-	-	32.70	32.41	32.14	31.90	31.79	31.64	31.61
120	-	-	-	35.84	35.59	35.37	35.29	35.19	35.17
130	-	-	-	-	39.51	39.33	39.27	39.22	39.23
140	-	-	-	-	-	43.88	43.84	43.85	43.89
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 328	1 670	2 070	2 537	3 083	3 717	-	-	-
90	1 310	1 656	2 060	2 532	3 084	3 725	4 082	4 877	5 227
110	-	-	2 033	2 507	3 061	3 705	4 064	4 863	5 214
120	-	-	-	2 487	3 040	3 684	4 043	4 843	5 195
130	-	-	-	-	3 014	3 657	4 016	4 815	5 167
140	-	-	-	-	-	3 624	3 982	4 780	5 131
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.45	11.89	14.94	18.84	23.92	30.76	-	-	-
90	6.75	8.58	10.77	13.44	16.72	20.84	23.32	29.41	32.40
110	-	-	7.65	9.53	11.78	14.50	16.09	19.81	21.56
120	-	-	-	7.93	9.80	12.04	13.34	16.34	17.72
130	-	-	-	-	8.08	9.93	10.99	13.43	14.55
140	-	-	-	-	-	8.11	8.99	10.99	11.90
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	272 437	Btu/h	Current consumption	39.27	A
Power input	24 794	W	Mass flow	4 016	lbs/h
E.E.R.	10.99				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	124 273	156 625	195 741	242 529	297 892	362 734	-	-	-
90	110 480	141 267	178 073	221 813	273 403	333 755	367 503	442 709	475 832
110	-	-	158 455	198 211	245 106	300 069	330 865	399 666	430 042
120	-	-	-	185 175	229 405	281 368	310 543	375 863	404 760
130	-	-	-	-	212 729	261 538	289 022	350 743	378 120
140	-	-	-	-	-	241 006	266 789	324 925	350 805
145	-	-	-	-	-	-	-	-	-

### Power input in W

70	13 219	13 302	13 275	13 082	12 670	11 984	-	-	-
90	16 378	16 539	16 659	16 685	16 561	16 233	15 976	15 239	14 852
110	-	-	20 808	20 930	20 973	20 883	20 770	20 377	20 147
120	-	-	-	23 461	23 542	23 525	23 462	23 195	23 025
130	-	-	-	-	26 443	26 469	26 441	26 269	26 147
140	-	-	-	-	-	29 780	29 771	29 665	29 579
145	-	-	-	-	-	-	-	-	-

### Current consumption in A

70	22.62	22.71	22.64	22.47	22.25	22.03	-	-	-
90	28.52	28.51	28.36	28.10	27.80	27.53	27.41	27.26	27.24
110	-	-	34.51	34.26	33.98	33.72	33.62	33.50	33.49
120	-	-	-	37.86	37.61	37.39	37.31	37.24	37.25
130	-	-	-	-	41.77	41.61	41.56	41.55	41.60
140	-	-	-	-	-	46.50	46.49	46.58	46.66
145	-	-	-	-	-	-	-	-	-

### Mass flow in lbs/h

70	1 407	1 769	2 192	2 685	3 261	3 929	-	-	-
90	1 388	1 755	2 183	2 683	3 266	3 944	4 321	5 161	5 530
110	-	-	2 155	2 657	3 244	3 927	4 307	5 153	5 525
120	-	-	-	2 636	3 224	3 907	4 288	5 135	5 508
130	-	-	-	-	3 197	3 880	4 261	5 109	5 482
140	-	-	-	-	-	3 846	4 226	5 074	5 447
145	-	-	-	-	-	-	-	-	-

### Energy Efficiency Ratio (E.E.R.)

70	9.40	11.77	14.75	18.54	23.51	30.27	-	-	-
90	6.75	8.54	10.69	13.29	16.51	20.56	23.00	29.05	32.04
110	-	-	7.62	9.47	11.69	14.37	15.93	19.61	21.35
120	-	-	-	7.89	9.74	11.96	13.24	16.20	17.58
130	-	-	-	-	8.04	9.88	10.93	13.35	14.46
140	-	-	-	-	-	8.09	8.96	10.95	11.86
145	-	-	-	-	-	-	-	-	-

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

Cooling capacity	289 022	Btu/h	Current consumption	41.56	A
Power input	26 441	W	Mass flow	4 261	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	94	dB(A)
With acoustic hood	89	dB(A)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	-	165 425	206 622	255 856	314 080	382 242	-	-	-
90	-	149 226	188 094	234 243	288 634	352 228	387 776	466 971	501 843
100	-	140 738	178 054	222 277	274 374	335 313	369 400	445 412	478 915
110	-	-	167 386	209 434	258 995	317 045	349 558	422 168	454 216
120	-	-	-	195 674	242 475	297 422	328 259	397 274	427 795
130	-	-	-	-	224 887	276 563	305 648	370 937	399 887
140	-	-	-	-	-	-	-	-	371 217

### Power input in W

70	-	14 181	14 198	14 020	13 585	12 831	-	-	-
90	-	17 554	17 738	17 809	17 706	17 366	17 087	16 275	15 843
100	-	19 559	19 772	19 915	19 924	19 737	19 551	18 954	18 620
110	-	-	22 079	22 257	22 343	22 275	22 163	21 746	21 496
120	-	-	-	24 908	25 035	25 049	24 994	24 722	24 541
130	-	-	-	-	28 071	28 133	28 117	27 953	27 827
140	-	-	-	-	-	-	-	-	31 427

### Current consumption in A

70	-	23.62	23.68	23.59	23.42	23.29	-	-	-
90	-	29.95	29.89	29.67	29.37	29.09	28.98	28.91	28.95
100	-	33.07	33.01	32.78	32.46	32.17	32.05	31.95	31.98
110	-	-	36.34	36.13	35.84	35.56	35.46	35.37	35.39
120	-	-	-	39.88	39.65	39.43	39.35	39.31	39.35
130	-	-	-	-	44.05	43.92	43.88	43.93	44.00
140	-	-	-	-	-	-	-	-	49.50

### Mass flow in lbs/h

70	-	1 869	2 313	2 833	3 438	4 141	-	-	-
90	-	1 854	2 305	2 833	3 448	4 162	4 560	5 444	5 833
100	-	1 840	2 293	2 823	3 442	4 159	4 559	5 448	5 839
110	-	-	2 276	2 808	3 428	4 149	4 550	5 443	5 835
120	-	-	-	2 786	3 407	4 130	4 532	5 428	5 821
130	-	-	-	-	3 380	4 103	4 506	5 403	5 797
140	-	-	-	-	-	-	-	-	5 764

### Energy Efficiency Ratio (E.E.R.)

70	-	11.67	14.55	18.25	23.12	29.79	-	-	-
90	-	8.50	10.60	13.15	16.30	20.28	22.69	28.69	31.68
100	-	7.20	9.01	11.16	13.77	16.99	18.89	23.50	25.72
110	-	-	7.58	9.41	11.59	14.23	15.77	19.41	21.13
120	-	-	-	7.86	9.69	11.87	13.13	16.07	17.43
130	-	-	-	-	8.01	9.83	10.87	13.27	14.37
140	-	-	-	-	-	-	-	-	11.81

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

Cooling capacity	305 648	Btu/h	Current consumption	43.88	A
Power input	28 117	W	Mass flow	4 506	lbs/h
E.E.R.	10.87				

### 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)

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# Datasheet, performance data

# Danfoss scroll compressor. VZH170BG

## 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	-	174 260	217 519	269 172	330 215	401 645	-	-	-
90	-	157 202	198 132	246 681	303 856	370 666	407 997	491 141	527 743
100	-	148 224	187 571	234 153	288 987	353 086	388 927	468 821	504 025
110	-	-	176 317	220 665	272 896	334 032	368 258	444 665	478 379
120	-	-	-	206 175	255 559	313 500	346 002	418 714	450 859
130	-	-	-	-	237 057	291 620	322 315	391 187	421 715
140	-	-	-	-	-	-	-	-	391 715

### Power input in W

70	-	15 074	15 141	14 981	14 522	13 696	-	-	-
90	-	18 582	18 835	18 957	18 877	18 524	18 223	17 330	16 850
100	-	20 673	20 958	21 159	21 206	21 028	20 833	20 187	19 820
110	-	-	23 367	23 606	23 739	23 695	23 585	23 144	22 873
120	-	-	-	26 375	26 553	26 602	26 556	26 279	26 087
130	-	-	-	-	29 724	29 824	29 822	29 669	29 540
140	-	-	-	-	-	-	-	-	33 306

### Current consumption in A

70	-	24.47	24.69	24.68	24.58	24.54	-	-	-
90	-	31.37	31.44	31.25	30.95	30.67	30.58	30.58	30.67
100	-	34.64	34.71	34.52	34.19	33.87	33.76	33.71	33.77
110	-	-	38.16	38.01	37.72	37.42	37.31	37.25	37.32
120	-	-	-	41.92	41.72	41.49	41.41	41.40	41.48
130	-	-	-	-	46.36	46.26	46.24	46.33	46.45
140	-	-	-	-	-	-	-	-	52.41

### Mass flow in lbs/h

70	-	1 968	2 435	2 980	3 615	4 352	-	-	-
90	-	1 953	2 428	2 983	3 630	4 380	4 797	5 726	6 133
100	-	1 937	2 416	2 974	3 625	4 380	4 800	5 735	6 145
110	-	-	2 398	2 958	3 612	4 371	4 794	5 733	6 146
120	-	-	-	2 935	3 591	4 353	4 777	5 721	6 135
130	-	-	-	-	3 563	4 326	4 752	5 698	6 114
140	-	-	-	-	-	-	-	-	6 082

### Energy Efficiency Ratio (E.E.R.)

70	-	11.56	14.37	17.97	22.74	29.33	-	-	-
90	-	8.46	10.52	13.01	16.10	20.01	22.39	28.34	31.32
100	-	7.17	8.95	11.07	13.63	16.79	18.67	23.22	25.43
110	-	-	7.55	9.35	11.50	14.10	15.61	19.21	20.91
120	-	-	-	7.82	9.62	11.78	13.03	15.93	17.28
130	-	-	-	-	7.98	9.78	10.81	13.19	14.28
140	-	-	-	-	-	-	-	-	11.76

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

Cooling capacity	322 315	Btu/h	Current consumption	46.24	A
Power input	29 822	W	Mass flow	4 752	lbs/h
E.E.R.	10.81				

### 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)

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