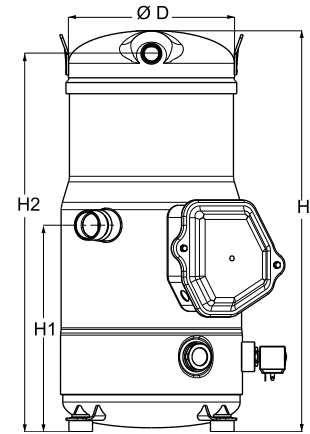


General Characteristics

Model number (on compressor nameplate)		VSH117AJANB
Code number for Singlepack*		120G0005
Drawing number		8560031d
Suction and discharge connections		Brazed
Suction connection		1-3/8" 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	7.13 in ³ /rev	
Net weight	143 lbs	
Oil charge	122 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	17 lbs	
Approved refrigerants	R410A	

Dimensions

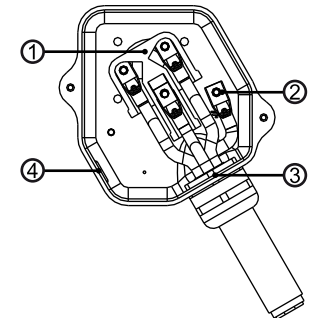


D=9.6 inch, H=21.3 inch,
H1=10.9 inch, H2=20 inch, H3=- inch

Electrical Characteristics

Nominal voltage	Frequency converter CDS302 required with supply voltage 200-240V/3/50-60Hz
Voltage range	180-264 V supply to frequency converter
Rated Load Amps (RLA)	80 A
Maximum Must Trip current (MMT)	100 A
Locked Rotor Amps (LRA)	471 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 40.5 mm (1.59")
4: Knock-out Ø 16.5 mm (0.65")

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, bolts, nuts, sleeves and washers
Initial oil charge
Installation instructions

Approvals : CE certified, UL certified when connected to frequency converter, -

*Singlepack: Compressor in cardboard box

Rotolock accessories, suction side	Code no.
Solder sleeve, P10 (1-3/4" Rotolock, 1-3/8" ODF)	8153003
Rotolock valve, V10 (1-3/4" Rotolock, 1-3/8" ODF)	8168022
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	120Z0405
Valve set, V10 (1-3/4"~1-3/8"), V05 (1-1/4"~7/8")	7703392
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, 80 W, 24 V, CE mark, UL	120Z0388
Surface sump heater, 80 W, 230 V, CE mark, UL	120Z0389
Belt type crankcase heater, 75 W, 110 V, CE mark, UL	7773110
Belt type crankcase heater, 50 W, 240 V, UL	7773003
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

Miscellaneous accessories	Code no.
Discharge temperature sensor / converter	120Z0157
Discharge temperature sensor	120Z0158
Discharge temperature converter	120Z0159
Acoustic hood for scroll compressor VSH117-J	120Z0156
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	120Z0148
Terminal box cover	120Z0151
T block connector 2.4" x 3"	8173021

Performance data at 30 Hz, ARI rating conditions
R410A

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

Cooling capacity in Btu/h

70	-	33 369	41 662	51 570	63 233	76 789	-	-	-
90	-	30 116	38 099	47 533	58 560	71 318	78 391	94 011	100 835
110	-	-	32 555	41 124	51 126	62 703	69 128	83 336	89 552
130	-	-	-	-	41 432	51 462	57 058	69 503	74 975
140	-	-	-	-	-	45 093	50 223	61 689	66 754
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Power input in W

70	-	3 148	3 181	3 213	3 241	3 261	-	-	-
90	-	3 932	3 965	4 007	4 056	4 105	4 130	4 173	4 189
110	-	-	5 010	5 041	5 087	5 145	5 177	5 245	5 272
130	-	-	-	-	6 687	6 731	6 760	6 829	6 860
140	-	-	-	-	-	7 838	7 861	7 923	7 952
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Current consumption in A

70	-	9.59	9.64	9.62	9.52	9.31	-	-	-
90	-	11.56	11.67	11.78	11.87	11.91	11.91	11.85	11.80
110	-	-	14.33	14.42	14.55	14.71	14.78	14.93	14.98
130	-	-	-	-	18.62	18.74	18.82	19.02	19.12
140	-	-	-	-	-	21.54	21.60	21.78	21.87
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Mass flow in lbs/h

70	-	379	467	571	692	831	-	-	-
90	-	374	467	575	699	843	922	1 097	1 174
110	-	-	443	551	676	821	900	1 076	1 152
130	-	-	-	-	622	763	841	1 013	1 089
140	-	-	-	-	-	721	798	967	1 041
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Energy Efficiency Ratio (E.E.R.)

70	-	10.60	13.10	16.05	19.51	23.55	-	-	-
90	-	7.66	9.61	11.86	14.44	17.37	18.98	22.53	24.07
110	-	-	6.50	8.16	10.05	12.19	13.35	15.89	16.99
130	-	-	-	-	6.20	7.65	8.44	10.18	10.93
140	-	-	-	-	-	5.75	6.39	7.79	8.39
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

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

Cooling capacity	57 058	Btu/h	Current consumption	18.82	A
Power input	6 760	W	Mass flow	841	lbs/h
E.E.R.	8.44				

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 35 Hz, ARI rating conditions

R410A

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

Cooling capacity in Btu/h

70	-	39 286	49 137	60 873	74 662	90 667	-	-	-
90	-	35 468	44 881	55 995	68 976	83 993	92 316	110 699	118 730
110	-	-	38 657	48 730	60 491	74 109	81 668	98 392	105 711
130	-	-	-	-	49 650	61 485	68 090	82 789	89 254
140	-	-	-	-	-	54 390	60 467	74 056	80 060
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Power input in W

70	-	3 672	3 722	3 775	3 826	3 870	-	-	-
90	-	4 532	4 582	4 643	4 711	4 783	4 818	4 885	4 910
110	-	-	5 749	5 797	5 860	5 936	5 977	6 063	6 097
130	-	-	-	-	7 620	7 678	7 713	7 795	7 830
140	-	-	-	-	-	8 877	8 906	8 977	9 010
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Current consumption in A

70	-	10.61	10.70	10.73	10.67	10.45	-	-	-
90	-	13.00	13.15	13.34	13.51	13.60	13.61	13.50	13.40
110	-	-	16.20	16.35	16.56	16.79	16.88	17.02	17.05
130	-	-	-	-	21.05	21.21	21.31	21.51	21.58
140	-	-	-	-	-	24.27	24.33	24.49	24.56
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Mass flow in lbs/h

70	-	446	551	674	817	982	-	-	-
90	-	441	550	677	824	993	1 086	1 292	1 382
110	-	-	526	653	800	970	1 063	1 270	1 360
130	-	-	-	-	746	912	1 004	1 207	1 296
140	-	-	-	-	-	870	960	1 160	1 248
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Energy Efficiency Ratio (E.E.R.)

70	-	10.70	13.20	16.13	19.52	23.43	-	-	-
90	-	7.83	9.80	12.06	14.64	17.56	19.16	22.66	24.18
110	-	-	6.72	8.41	10.32	12.48	13.66	16.23	17.34
130	-	-	-	-	6.52	8.01	8.83	10.62	11.40
140	-	-	-	-	-	6.13	6.79	8.25	8.89
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

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

Cooling capacity	68 090	Btu/h	Current consumption	21.31	A
Power input	7 713	W	Mass flow	1 004	lbs/h
E.E.R.	8.83				

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)							
	0	10	20	30	40	45	55	59

Cooling capacity in Btu/h

70	-	45 210	56 608	70 162	86 064	104 506	-	-	-
90	-	40 825	51 662	64 447	79 375	96 639	106 209	127 343	136 577
110	-	-	44 763	56 337	69 852	85 505	94 196	113 428	121 847
130	-	-	-	-	57 879	71 518	79 133	96 080	103 537
140	-	-	-	-	-	63 706	70 730	86 442	93 385
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Power input in W

70	-	4 201	4 271	4 345	4 419	4 486	-	-	-
90	-	5 143	5 212	5 294	5 384	5 477	5 524	5 613	5 646
110	-	-	6 500	6 566	6 650	6 746	6 796	6 902	6 944
130	-	-	-	-	8 562	8 637	8 681	8 778	8 820
140	-	-	-	-	-	9 924	9 960	10 045	10 083
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Current consumption in A

70	-	11.72	11.84	11.94	11.92	11.71	-	-	-
90	-	14.51	14.70	14.97	15.22	15.38	15.40	15.27	15.14
110	-	-	18.13	18.34	18.63	18.93	19.05	19.21	19.22
130	-	-	-	-	23.53	23.74	23.85	24.07	24.13
140	-	-	-	-	-	27.05	27.12	27.27	27.32
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Mass flow in lbs/h

70	-	513	634	776	941	1 132	-	-	-
90	-	507	633	779	948	1 142	1 250	1 487	1 590
110	-	-	608	755	924	1 119	1 227	1 464	1 567
130	-	-	-	-	870	1 061	1 167	1 401	1 503
140	-	-	-	-	-	1 019	1 124	1 354	1 455
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Energy Efficiency Ratio (E.E.R.)

70	-	10.76	13.25	16.15	19.48	23.29	-	-	-
90	-	7.94	9.91	12.17	14.74	17.64	19.23	22.69	24.19
110	-	-	6.89	8.58	10.50	12.68	13.86	16.44	17.55
130	-	-	-	-	6.76	8.28	9.12	10.95	11.74
140	-	-	-	-	-	6.42	7.10	8.61	9.26
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

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

Cooling capacity	79 133	Btu/h	Current consumption	23.85	A
Power input	8 681	W	Mass flow	1 167	lbs/h
E.E.R.	9.12				

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)							
	0	10	20	30	40	45	55	59

Cooling capacity in Btu/h

70	-	51 143	64 076	79 435	97 439	118 307	-	-	-
90	-	46 189	58 442	72 890	89 755	109 258	120 068	143 944	154 376
110	-	-	50 875	63 945	79 209	96 892	106 711	128 444	137 959
130	-	-	-	-	66 121	81 562	90 184	109 378	117 824
140	-	-	-	-	-	73 042	81 014	98 847	106 727
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Power input in W

70	-	4 735	4 827	4 924	5 020	5 110	-	-	-
90	-	5 764	5 854	5 959	6 073	6 189	6 247	6 358	6 399
110	-	-	7 262	7 349	7 455	7 573	7 635	7 762	7 812
130	-	-	-	-	9 514	9 608	9 662	9 779	9 829
140	-	-	-	-	-	10 979	11 024	11 127	11 172
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Current consumption in A

70	-	12.91	13.08	13.23	13.27	13.10	-	-	-
90	-	16.08	16.33	16.67	17.00	17.23	17.27	17.16	17.03
110	-	-	20.12	20.39	20.76	21.13	21.28	21.48	21.49
130	-	-	-	-	26.06	26.32	26.46	26.70	26.76
140	-	-	-	-	-	29.87	29.95	30.12	30.16
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Mass flow in lbs/h

70	-	580	717	878	1 065	1 281	-	-	-
90	-	574	716	881	1 072	1 292	1 413	1 681	1 798
110	-	-	691	857	1 048	1 268	1 389	1 657	1 774
130	-	-	-	-	994	1 210	1 330	1 594	1 710
140	-	-	-	-	-	1 169	1 287	1 548	1 662
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

Energy Efficiency Ratio (E.E.R.)

70	-	10.80	13.28	16.13	19.41	23.15	-	-	-
90	-	8.01	9.98	12.23	14.78	17.65	19.22	22.64	24.13
110	-	-	7.01	8.70	10.63	12.79	13.98	16.55	17.66
130	-	-	-	-	6.95	8.49	9.33	11.18	11.99
140	-	-	-	-	-	6.65	7.35	8.88	9.55
150	-	-	-	-	-	-	-	-	-
154	-	-	-	-	-	-	-	-	-

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

Cooling capacity	90 184	Btu/h	Current consumption	26.46	A
Power input	9 662	W	Mass flow	1 330	lbs/h
E.E.R.	9.33				

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	45 075	57 084	71 541	88 694	108 788	132 069	-	-	-
90	40 091	51 559	65 220	81 323	100 116	121 849	133 895	160 502	172 127
110	-	-	56 992	71 555	88 563	108 269	119 213	143 440	154 049
130	-	-	-	-	74 375	91 617	101 246	122 682	132 117
140	-	-	-	-	-	82 398	91 318	111 271	120 088
150	-	-	-	-	-	-	81 324	99 870	108 112
154	-	-	-	-	-	-	-	95 689	103 745

Power input in W

70	5 172	5 275	5 390	5 511	5 631	5 741	-	-	-
90	6 309	6 397	6 510	6 639	6 778	6 919	6 988	7 119	7 167
110	-	-	8 037	8 146	8 276	8 419	8 493	8 643	8 702
130	-	-	-	-	10 476	10 592	10 658	10 798	10 856
140	-	-	-	-	-	12 042	12 097	12 222	12 275
150	-	-	-	-	-	-	13 833	13 935	13 981
154	-	-	-	-	-	-	-	14 711	14 754

Current consumption in A

70	14.07	14.18	14.40	14.62	14.73	14.62	-	-	-
90	17.64	17.72	18.02	18.43	18.84	19.15	19.23	19.18	19.06
110	-	-	22.17	22.50	22.94	23.39	23.58	23.84	23.87
130	-	-	-	-	28.64	28.95	29.12	29.40	29.47
140	-	-	-	-	-	32.73	32.83	33.03	33.08
150	-	-	-	-	-	-	37.45	37.49	37.50
154	-	-	-	-	-	-	-	39.55	39.53

Mass flow in lbs/h

70	516	647	801	981	1 189	1 430	-	-	-
90	506	641	799	983	1 196	1 440	1 576	1 874	2 004
110	-	-	774	959	1 172	1 417	1 552	1 851	1 981
130	-	-	-	-	1 118	1 360	1 493	1 788	1 917
140	-	-	-	-	-	1 319	1 451	1 743	1 870
150	-	-	-	-	-	-	1 400	1 688	1 814
154	-	-	-	-	-	-	-	1 663	1 788

Energy Efficiency Ratio (E.E.R.)

70	8.71	10.82	13.27	16.09	19.32	23.00	-	-	-
90	6.36	8.06	10.02	12.25	14.77	17.61	19.16	22.55	24.02
110	-	-	7.09	8.78	10.70	12.86	14.04	16.60	17.70
130	-	-	-	-	7.10	8.65	9.50	11.36	12.17
140	-	-	-	-	-	6.84	7.55	9.10	9.78
150	-	-	-	-	-	-	5.88	7.17	7.73
154	-	-	-	-	-	-	-	6.50	7.03

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

Cooling capacity	101 246	Btu/h	Current consumption	29.12	A
Power input	10 658	W	Mass flow	1 493	lbs/h
E.E.R.	9.50				

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	49 755	63 033	79 003	97 938	120 110	145 792	-	-	-
90	44 287	56 935	71 996	89 746	110 460	134 412	147 689	177 016	189 830
110	-	-	63 114	79 165	97 913	119 637	131 703	158 415	170 114
130	-	-	-	-	82 641	101 682	112 317	135 993	146 412
140	-	-	-	-	-	91 774	101 642	123 714	133 466
150	-	-	-	-	-	-	90 936	111 499	120 635
154	-	-	-	-	-	-	-	107 055	115 995

Power input in W

70	5 694	5 820	5 961	6 107	6 249	6 379	-	-	-
90	6 932	7 041	7 178	7 334	7 500	7 666	7 747	7 897	7 952
110	-	-	8 823	8 956	9 112	9 283	9 371	9 546	9 614
130	-	-	-	-	11 447	11 589	11 668	11 834	11 903
140	-	-	-	-	-	13 112	13 180	13 330	13 394
150	-	-	-	-	-	-	14 995	15 121	15 177
154	-	-	-	-	-	-	-	15 930	15 982

Current consumption in A

70	15.40	15.54	15.81	16.10	16.28	16.26	-	-	-
90	19.30	19.43	19.78	20.27	20.76	21.16	21.28	21.32	21.24
110	-	-	24.28	24.68	25.19	25.71	25.95	26.28	26.35
130	-	-	-	-	31.27	31.64	31.83	32.17	32.27
140	-	-	-	-	-	35.64	35.77	36.00	36.08
150	-	-	-	-	-	-	40.64	40.70	40.72
154	-	-	-	-	-	-	-	42.88	42.86

Mass flow in lbs/h

70	569	714	884	1 083	1 313	1 579	-	-	-
90	559	708	882	1 085	1 319	1 589	1 738	2 067	2 211
110	-	-	857	1 060	1 295	1 566	1 715	2 044	2 188
130	-	-	-	-	1 243	1 509	1 657	1 983	2 125
140	-	-	-	-	-	1 469	1 615	1 938	2 079
150	-	-	-	-	-	-	1 565	1 884	2 023
154	-	-	-	-	-	-	-	1 859	1 998

Energy Efficiency Ratio (E.E.R.)

70	8.74	10.83	13.25	16.04	19.22	22.85	-	-	-
90	6.39	8.09	10.03	12.24	14.73	17.53	19.06	22.42	23.87
110	-	-	7.15	8.84	10.75	12.89	14.05	16.60	17.69
130	-	-	-	-	7.22	8.77	9.63	11.49	12.30
140	-	-	-	-	-	7.00	7.71	9.28	9.96
150	-	-	-	-	-	-	6.06	7.37	7.95
154	-	-	-	-	-	-	-	6.72	7.26

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

Cooling capacity	112 317	Btu/h	Current consumption	31.83	A
Power input	11 668	W	Mass flow	1 657	lbs/h
E.E.R.	9.63				

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	54 453	68 989	86 461	107 167	131 406	159 476	-	-	-
90	48 496	62 318	78 771	98 160	120 784	146 948	161 450	193 486	207 485
110	-	-	69 241	86 777	107 259	130 995	144 179	173 370	186 155
130	-	-	-	-	90 918	111 758	123 397	149 308	160 712
140	-	-	-	-	-	101 169	111 985	136 175	146 863
150	-	-	-	-	-	-	100 576	123 158	133 188
154	-	-	-	-	-	-	-	118 456	128 281

Power input in W

70	6 218	6 370	6 539	6 711	6 877	7 025	-	-	-
90	7 564	7 695	7 858	8 043	8 238	8 431	8 523	8 692	8 752
110	-	-	9 620	9 779	9 965	10 166	10 268	10 470	10 547
130	-	-	-	-	12 427	12 598	12 691	12 888	12 968
140	-	-	-	-	-	14 191	14 273	14 453	14 529
150	-	-	-	-	-	-	16 162	16 316	16 384
154	-	-	-	-	-	-	-	17 155	17 219

Current consumption in A

70	16.79	16.98	17.31	17.66	17.94	18.04	-	-	-
90	21.02	21.20	21.62	22.17	22.74	23.24	23.42	23.59	23.57
110	-	-	26.45	26.91	27.49	28.10	28.38	28.81	28.93
130	-	-	-	-	33.95	34.38	34.61	35.02	35.16
140	-	-	-	-	-	38.60	38.75	39.05	39.15
150	-	-	-	-	-	-	43.87	43.98	44.01
154	-	-	-	-	-	-	-	46.25	46.25

Mass flow in lbs/h

70	623	781	967	1 184	1 436	1 727	-	-	-
90	612	775	965	1 186	1 442	1 737	1 900	2 259	2 416
110	-	-	940	1 162	1 419	1 714	1 877	2 237	2 394
130	-	-	-	-	1 367	1 659	1 821	2 177	2 333
140	-	-	-	-	-	1 620	1 780	2 133	2 288
150	-	-	-	-	-	-	1 731	2 080	2 233
154	-	-	-	-	-	-	-	2 057	2 209

Energy Efficiency Ratio (E.E.R.)

70	8.76	10.83	13.22	15.97	19.11	22.70	-	-	-
90	6.41	8.10	10.02	12.20	14.66	17.43	18.94	22.26	23.71
110	-	-	7.20	8.87	10.76	12.89	14.04	16.56	17.65
130	-	-	-	-	7.32	8.87	9.72	11.59	12.39
140	-	-	-	-	-	7.13	7.85	9.42	10.11
150	-	-	-	-	-	-	6.22	7.55	8.13
154	-	-	-	-	-	-	-	6.90	7.45

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

Cooling capacity	123 397	Btu/h	Current consumption	34.61	A
Power input	12 691	W	Mass flow	1 821	lbs/h
E.E.R.	9.72				

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 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	59 171	74 954	93 916	116 381	142 675	173 121	-	-	-
90	52 719	67 706	85 545	106 564	131 091	159 455	175 179	209 913	225 091
110	-	-	75 373	94 389	116 602	142 344	156 643	188 305	202 173
130	-	-	-	-	99 208	121 845	134 487	162 631	175 017
140	-	-	-	-	-	110 584	122 349	148 656	160 277
150	-	-	-	-	-	-	110 246	134 848	145 773
154	-	-	-	-	-	-	-	129 893	140 603

Power input in W

70	6 746	6 926	7 124	7 324	7 513	7 677	-	-	-
90	8 207	8 360	8 552	8 767	8 993	9 213	9 317	9 503	9 567
110	-	-	10 430	10 616	10 833	11 066	11 184	11 415	11 502
130	-	-	-	-	13 418	13 619	13 729	13 959	14 053
140	-	-	-	-	-	15 277	15 375	15 589	15 678
150	-	-	-	-	-	-	17 334	17 519	17 601
154	-	-	-	-	-	-	-	18 387	18 464

Current consumption in A

70	18.24	18.50	18.89	19.32	19.70	19.94	-	-	-
90	22.78	23.04	23.52	24.14	24.79	25.39	25.64	25.98	26.04
110	-	-	28.69	29.21	29.86	30.54	30.87	31.43	31.61
130	-	-	-	-	36.68	37.18	37.44	37.95	38.12
140	-	-	-	-	-	41.60	41.79	42.16	42.29
150	-	-	-	-	-	-	47.14	47.30	47.37
154	-	-	-	-	-	-	-	49.68	49.71

Mass flow in lbs/h

70	677	849	1 051	1 286	1 560	1 875	-	-	-
90	665	842	1 048	1 288	1 566	1 885	2 062	2 451	2 621
110	-	-	1 024	1 264	1 543	1 863	2 040	2 430	2 600
130	-	-	-	-	1 492	1 809	1 984	2 371	2 540
140	-	-	-	-	-	1 771	1 945	2 329	2 497
150	-	-	-	-	-	-	1 897	2 278	2 444
154	-	-	-	-	-	-	-	2 255	2 420

Energy Efficiency Ratio (E.E.R.)

70	8.77	10.82	13.18	15.89	18.99	22.55	-	-	-
90	6.42	8.10	10.00	12.15	14.58	17.31	18.80	22.09	23.53
110	-	-	7.23	8.89	10.76	12.86	14.01	16.50	17.58
130	-	-	-	-	7.39	8.95	9.80	11.65	12.45
140	-	-	-	-	-	7.24	7.96	9.54	10.22
150	-	-	-	-	-	-	6.36	7.70	8.28
154	-	-	-	-	-	-	-	7.06	7.62

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

Cooling capacity	134 487	Btu/h	Current consumption	37.44	A
Power input	13 729	W	Mass flow	1 984	lbs/h
E.E.R.	9.80				

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 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	63 908	80 927	101 367	125 580	153 917	186 727	-	-	-
90	56 956	73 101	92 317	114 958	141 379	171 935	188 874	226 295	242 650
110	-	-	81 511	102 003	125 941	153 684	169 094	203 219	218 167
130	-	-	-	-	107 510	131 942	145 586	175 958	189 325
140	-	-	-	-	-	120 019	132 732	161 154	173 709
150	-	-	-	-	-	-	119 945	146 569	158 388
154	-	-	-	-	-	-	-	141 366	152 961

Power input in W

70	7 278	7 488	7 716	7 946	8 158	8 337	-	-	-
90	8 860	9 037	9 258	9 506	9 764	10 013	10 128	10 331	10 399
110	-	-	11 251	11 467	11 717	11 985	12 120	12 381	12 479
130	-	-	-	-	14 417	14 653	14 781	15 048	15 156
140	-	-	-	-	-	16 372	16 487	16 738	16 843
150	-	-	-	-	-	-	18 509	18 732	18 828
154	-	-	-	-	-	-	-	19 625	19 717

Current consumption in A

70	19.77	20.10	20.56	21.08	21.57	21.96	-	-	-
90	24.59	24.94	25.50	26.18	26.91	27.63	27.95	28.50	28.66
110	-	-	30.98	31.57	32.28	33.05	33.43	34.14	34.39
130	-	-	-	-	39.46	40.02	40.33	40.94	41.17
140	-	-	-	-	-	44.65	44.87	45.33	45.52
150	-	-	-	-	-	-	50.44	50.69	50.80
154	-	-	-	-	-	-	-	53.15	53.22

Mass flow in lbs/h

70	731	916	1 134	1 388	1 682	2 022	-	-	-
90	719	909	1 131	1 389	1 688	2 033	2 223	2 643	2 826
110	-	-	1 107	1 366	1 666	2 011	2 202	2 622	2 806
130	-	-	-	-	1 617	1 959	2 148	2 566	2 748
140	-	-	-	-	-	1 922	2 110	2 525	2 706
150	-	-	-	-	-	-	2 064	2 475	2 655
154	-	-	-	-	-	-	-	2 453	2 632

Energy Efficiency Ratio (E.E.R.)

70	8.78	10.81	13.14	15.81	18.87	22.40	-	-	-
90	6.43	8.09	9.97	12.09	14.48	17.17	18.65	21.90	23.33
110	-	-	7.24	8.90	10.75	12.82	13.95	16.41	17.48
130	-	-	-	-	7.46	9.00	9.85	11.69	12.49
140	-	-	-	-	-	7.33	8.05	9.63	10.31
150	-	-	-	-	-	-	6.48	7.82	8.41
154	-	-	-	-	-	-	-	7.20	7.76

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

Cooling capacity	145 586	Btu/h	Current consumption	40.33	A
Power input	14 781	W	Mass flow	2 148	lbs/h
E.E.R.	9.85				

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	68 665	86 908	108 816	134 765	165 133	200 295	-	-	-
90	61 206	78 502	99 087	123 343	151 649	184 387	202 537	242 636	260 161
110	-	-	87 653	109 618	135 276	165 014	181 533	218 114	234 138
130	-	-	-	-	115 823	142 051	156 695	189 293	203 638
140	-	-	-	-	-	129 475	143 136	173 673	187 160
150	-	-	-	-	-	-	129 674	158 322	171 036
154	-	-	-	-	-	-	-	152 875	165 357

Power input in W

70	7 812	8 054	8 316	8 575	8 812	9 004	-	-	-
90	9 522	9 724	9 977	10 260	10 551	10 830	10 957	11 176	11 246
110	-	-	12 085	12 331	12 617	12 923	13 076	13 369	13 477
130	-	-	-	-	15 427	15 699	15 847	16 155	16 278
140	-	-	-	-	-	17 474	17 609	17 901	18 023
150	-	-	-	-	-	-	19 690	19 952	20 066
154	-	-	-	-	-	-	-	20 870	20 979

Current consumption in A

70	21.37	21.79	22.32	22.92	23.53	24.12	-	-	-
90	26.45	26.91	27.54	28.28	29.10	29.94	30.35	31.13	31.42
110	-	-	33.33	33.98	34.76	35.62	36.06	36.93	37.28
130	-	-	-	-	42.30	42.93	43.27	44.01	44.31
140	-	-	-	-	-	47.75	48.00	48.58	48.82
150	-	-	-	-	-	-	53.78	54.13	54.29
154	-	-	-	-	-	-	-	56.67	56.80

Mass flow in lbs/h

70	785	984	1 217	1 489	1 805	2 169	-	-	-
90	773	976	1 214	1 491	1 811	2 180	2 384	2 833	3 030
110	-	-	1 190	1 468	1 790	2 159	2 364	2 814	3 011
130	-	-	-	-	1 742	2 109	2 312	2 761	2 956
140	-	-	-	-	-	2 074	2 276	2 721	2 916
150	-	-	-	-	-	-	2 231	2 674	2 867
154	-	-	-	-	-	-	-	2 653	2 845

Energy Efficiency Ratio (E.E.R.)

70	8.79	10.79	13.09	15.72	18.74	22.25	-	-	-
90	6.43	8.07	9.93	12.02	14.37	17.03	18.48	21.71	23.13
110	-	-	7.25	8.89	10.72	12.77	13.88	16.32	17.37
130	-	-	-	-	7.51	9.05	9.89	11.72	12.51
140	-	-	-	-	-	7.41	8.13	9.70	10.38
150	-	-	-	-	-	-	6.59	7.94	8.52
154	-	-	-	-	-	-	-	7.33	7.88

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

Cooling capacity	156 695	Btu/h	Current consumption	43.27	A
Power input	15 847	W	Mass flow	2 312	lbs/h
E.E.R.	9.89				

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	73 440	92 897	116 261	143 935	176 322	213 823	-	-	-
90	65 470	83 910	105 856	131 718	161 901	196 812	216 167	258 932	277 623
110	-	-	93 800	117 234	144 608	176 334	193 959	232 988	250 085
130	-	-	-	-	124 149	152 170	167 814	202 633	217 955
140	-	-	-	-	-	138 950	153 559	186 210	200 628
150	-	-	-	-	-	-	139 432	170 105	183 714
154	-	-	-	-	-	-	-	164 419	177 788

Power input in W

70	8 350	8 626	8 923	9 214	9 474	9 678	-	-	-
90	10 195	10 422	10 709	11 028	11 356	11 664	11 804	12 038	12 109
110	-	-	12 929	13 208	13 533	13 878	14 050	14 377	14 497
130	-	-	-	-	16 446	16 758	16 928	17 279	17 420
140	-	-	-	-	-	18 584	18 740	19 078	19 218
150	-	-	-	-	-	-	20 874	21 181	21 315
154	-	-	-	-	-	-	-	22 121	22 249

Current consumption in A

70	23.04	23.56	24.17	24.85	25.60	26.40	-	-	-
90	28.36	28.95	29.65	30.46	31.36	32.33	32.84	33.90	34.33
110	-	-	35.74	36.47	37.31	38.24	38.75	39.82	40.26
130	-	-	-	-	45.18	45.88	46.28	47.15	47.52
140	-	-	-	-	-	50.89	51.19	51.89	52.19
150	-	-	-	-	-	-	57.16	57.63	57.85
154	-	-	-	-	-	-	-	60.25	60.43

Mass flow in lbs/h

70	839	1 051	1 300	1 590	1 927	2 316	-	-	-
90	827	1 043	1 297	1 592	1 933	2 327	2 544	3 024	3 233
110	-	-	1 274	1 570	1 913	2 307	2 525	3 006	3 216
130	-	-	-	-	1 867	2 260	2 477	2 956	3 165
140	-	-	-	-	-	2 225	2 441	2 918	3 126
150	-	-	-	-	-	-	2 399	2 873	3 080
154	-	-	-	-	-	-	-	2 853	3 059

Energy Efficiency Ratio (E.E.R.)

70	8.80	10.77	13.03	15.62	18.61	22.09	-	-	-
90	6.42	8.05	9.88	11.94	14.26	16.87	18.31	21.51	22.93
110	-	-	7.25	8.88	10.69	12.71	13.80	16.21	17.25
130	-	-	-	-	7.55	9.08	9.91	11.73	12.51
140	-	-	-	-	-	7.48	8.19	9.76	10.44
150	-	-	-	-	-	-	6.68	8.03	8.62
154	-	-	-	-	-	-	-	7.43	7.99

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

Cooling capacity	167 814	Btu/h	Current consumption	46.28	A
Power input	16 928	W	Mass flow	2 477	lbs/h
E.E.R.	9.91				

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	78 236	98 894	123 703	153 090	187 484	227 313	-	-	-
90	69 748	89 323	112 624	140 083	172 134	209 208	229 764	275 185	295 037
110	-	-	99 953	124 852	153 936	187 646	206 372	247 842	266 008
130	-	-	-	-	132 486	162 299	178 942	215 980	232 277
140	-	-	-	-	-	148 444	164 003	198 766	214 114
150	-	-	-	-	-	-	149 219	181 919	196 423
154	-	-	-	-	-	-	-	176 000	190 256

Power input in W

70	8 891	9 204	9 537	9 861	10 145	10 360	-	-	-
90	10 877	11 132	11 453	11 812	12 176	12 517	12 668	12 916	12 988
110	-	-	13 786	14 099	14 465	14 852	15 044	15 407	15 539
130	-	-	-	-	17 474	17 829	18 022	18 421	18 580
140	-	-	-	-	-	19 702	19 881	20 268	20 429
150	-	-	-	-	-	-	22 063	22 419	22 574
154	-	-	-	-	-	-	-	23 378	23 528

Current consumption in A

70	24.78	25.41	26.10	26.88	27.77	28.80	-	-	-
90	30.31	31.05	31.84	32.71	33.68	34.79	35.41	36.78	37.39
110	-	-	38.21	39.01	39.91	40.93	41.51	42.78	43.35
130	-	-	-	-	48.11	48.89	49.34	50.36	50.82
140	-	-	-	-	-	54.07	54.43	55.26	55.65
150	-	-	-	-	-	-	60.57	61.18	61.47
154	-	-	-	-	-	-	-	63.88	64.13

Mass flow in lbs/h

70	893	1 119	1 383	1 692	2 050	2 462	-	-	-
90	881	1 111	1 380	1 693	2 056	2 473	2 704	3 213	3 436
110	-	-	1 357	1 672	2 036	2 455	2 687	3 198	3 421
130	-	-	-	-	1 993	2 410	2 641	3 151	3 373
140	-	-	-	-	-	2 378	2 608	3 115	3 337
150	-	-	-	-	-	-	2 568	3 073	3 293
154	-	-	-	-	-	-	-	3 053	3 274

Energy Efficiency Ratio (E.E.R.)

70	8.80	10.75	12.97	15.53	18.48	21.94	-	-	-
90	6.41	8.02	9.83	11.86	14.14	16.71	18.14	21.31	22.72
110	-	-	7.25	8.86	10.64	12.63	13.72	16.09	17.12
130	-	-	-	-	7.58	9.10	9.93	11.72	12.50
140	-	-	-	-	-	7.53	8.25	9.81	10.48
150	-	-	-	-	-	-	6.76	8.11	8.70
154	-	-	-	-	-	-	-	7.53	8.09

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

Cooling capacity	178 942	Btu/h	Current consumption	49.34	A
Power input	18 022	W	Mass flow	2 641	lbs/h
E.E.R.	9.93				

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 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	83 050	104 899	131 141	162 230	198 620	240 764	-	-	-
90	74 038	94 743	119 389	148 439	182 348	221 577	243 329	291 394	312 403
110	-	-	106 110	132 470	163 260	198 947	218 772	262 676	281 908
130	-	-	-	-	140 835	172 439	190 079	229 332	246 602
140	-	-	-	-	-	157 959	174 466	211 340	227 618
150	-	-	-	-	-	-	159 036	193 764	209 163
154	-	-	-	-	-	-	-	187 616	202 760

Power input in W

70	9 436	9 786	10 158	10 516	10 825	11 048	-	-	-
90	11 569	11 852	12 210	12 609	13 013	13 386	13 550	13 810	13 883
110	-	-	14 655	15 004	15 412	15 844	16 058	16 458	16 602
130	-	-	-	-	18 512	18 912	19 130	19 580	19 759
140	-	-	-	-	-	20 828	21 031	21 472	21 655
150	-	-	-	-	-	-	23 257	23 666	23 843
154	-	-	-	-	-	-	-	24 642	24 815

Current consumption in A

70	26.58	27.35	28.12	29.00	30.04	31.34	-	-	-
90	32.31	33.22	34.09	35.02	36.07	37.33	38.07	39.79	40.59
110	-	-	40.75	41.61	42.57	43.68	44.33	45.84	46.54
130	-	-	-	-	51.09	51.96	52.46	53.65	54.21
140	-	-	-	-	-	57.30	57.71	58.70	59.18
150	-	-	-	-	-	-	64.02	64.79	65.16
154	-	-	-	-	-	-	-	67.55	67.89

Mass flow in lbs/h

70	948	1 187	1 466	1 793	2 171	2 608	-	-	-
90	935	1 178	1 463	1 794	2 178	2 619	2 863	3 402	3 638
110	-	-	1 441	1 774	2 159	2 603	2 848	3 389	3 626
130	-	-	-	-	2 118	2 561	2 806	3 346	3 582
140	-	-	-	-	-	2 530	2 774	3 313	3 548
150	-	-	-	-	-	-	2 737	3 273	3 507
154	-	-	-	-	-	-	-	3 255	3 489

Energy Efficiency Ratio (E.E.R.)

70	8.80	10.72	12.91	15.43	18.35	21.79	-	-	-
90	6.40	7.99	9.78	11.77	14.01	16.55	17.96	21.10	22.50
110	-	-	7.24	8.83	10.59	12.56	13.62	15.96	16.98
130	-	-	-	-	7.61	9.12	9.94	11.71	12.48
140	-	-	-	-	-	7.58	8.30	9.84	10.51
150	-	-	-	-	-	-	6.84	8.19	8.77
154	-	-	-	-	-	-	-	7.61	8.17

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

Cooling capacity	190 079	Btu/h	Current consumption	52.46	A
Power input	19 130	W	Mass flow	2 806	lbs/h
E.E.R.	9.94				

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.