

COMPRESSOR MODEL NUMBER SYSTEM

H

2

9

B

18

U

A

B

C

A

Mounting Feet Dim

A = 7.5 x 7.5 B = 4.8 x 8.0 C = 8.4 x 9.8 D = 6.12 x 8.0 E = 9.5 x 9.5

F = 10.5 x 10.5 H = 7.5 x 21.5 J = 7.5 x 22.5 X = 8.8 x 6.1

Electrical Characteristics

A= 115-1-60

B= 230-1-60

C= 230/208-1-60

D= 230/208-3-60 (220/200-3-50)

E= 460-3-60 (380/415-3-50)

F= 575-3-60 (500-3-50)

G= 200-1-60

H= 265-1-60 (220/240-1-50)

J= 230/208-1-50

K= 220/240-1-50

L= 230/200-3-60 (220/200-3-50)

Motor Protector

B= Internal Line Break

P= Pilot Duty - Solid State

R= Pilot Duty - Solid State (2nd Generation)

T= Pilot Duty - Internal Thermostat and External Sensing Elements

Motor Type

A= PSC Permanent Split Capacitor

B= CSR Capacitor Start/Cap. Run

C= RSCR Resistance Start/Cap. Run

D= AI 3 Phase-Across the Line

E= CSIR Cap. Start/Induction Run

Capacity

183= 18+3-0's = 18,000; 244 = 24+4-0's = 240,000 BTU/HR

18U= 18+3-0's = 18,000 BTU/HR

Family

A= Model A Reciprocating

B= Model B Reciprocating

C= Scroll (≤42K)

D= Dual Compressor Application

Generation

B= Second Generation- No PRV (Except G series)

D= Dual Compressor Application (Single & Interconnected)

E= High Efficiency

M= Alternate Pressure Relief Valve

N= No Pressure Relief Valve (Except G series)

O= Basic Standard Model

P= Basic Standard Model- Upgrade Plus

T= Second Generation - Basic Standard Model

Type of Refrigerant

1= R12

2= R22

4= R134a

Refrigeration Application

H= High Temperature

M= Medium Temperature

L= Low Temperature

Mounting Feet Dim

A = 7.5 x 7.5 B = 4.8 x 8.0 C = 8.4 x 9.8 D = 6.12 x 8.0 E = 9.5 x 9.5

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Type of Refrigerant

1= R12

2= R22

4= R134a

Refrigeration Application

H= High Temperature

M= Medium Temperature

L= Low Temperature

Reciprocating Compressors Serial Number System

Scroll Compressors Serial Number System

Family

Example: S3702K00001

S = Scroll Technologies

37 = Production Week

02 = Year

K = State (Arkansas)

00001 = Sequence # of Units Built During Week

Julian Date of Manufacture:

108 02 2 00235

108 = April 18th

02 = 2002

00235= 235th unit of the day

0 or 2 = Bristol

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MOUNTING FEET CONFIGURATION

Diagram A shows a top view of a compressor with mounting feet. Dimensions include a total width of 8.875, a distance of 4.875 from the center to the first foot, and a foot width of 4.516. Mounting holes are 49/64 DIA with a typical spacing of 3. Diagram B shows a side view with a total width of 8.000, a distance of 4.000 from the center to the first foot, and a foot width of 4.516. Mounting holes are 49/64 DIA with a typical spacing of 4. Diagram C shows a front view with a total width of 8.875, a distance of 4.875 from the center to the first foot, and a foot width of 4.516. Mounting holes are 49/64 DIA with a typical spacing of 3.

3

H79A SERIES (R407C)

50 HZ

Model	@45/130					@45/100			@45/110			Electrical Data			Displacement	
	Capacity	Motor Input	EER/COP		Capacity	Motor Input	EER	Capacity	Motor Input	EER						
	BTU/H WATTS	WATTS	BTU/WH	W/W	BTU/H	WATTS	BTU/WH	BTU/H	WATTS	BTU/WH	RLA	LRA	MCC	IN³/REV	CM³/REV	
380/415 VOLTS - 3 Phase																
H79A383DBV	26367	7737	2502	10.5	3.1	38256	2129	18.0	34125	2274	15.0	4.9	54	11.0	4.14	67.90
H79A423DBV	30052	8818	2884	10.4	3.1	43063	2374	18.1	38813	2591	15.0	5.6	58	12.0	4.49	73.48
H79A473DBV	32940	9665	3074	10.7	3.2	45196	2533	17.8	41178	2759	14.9	5.5	64	11.0	4.94	80.89
H79A503DBV	34618	10158	3217	10.8	3.2	48258	2620	18.4	43387	2833	15.3	5.8	62	13.0	5.14	84.18
H79A563DBV	38771	11376	3603	10.8	3.2	54047	2934	18.4	48592	3173	15.3	6.5	66	15.0	5.71	93.45
H79A623DBV	44232	12979	4120	10.7	3.2	59094	3287	18.0	53987	3588	15.0	7.3	66	15.0	6.03	98.80

H79A SERIES (R407C)

60 HZ

460/380 VOLTS - 3 Phase															
H79A503DBV	43720	12828	4120	10.6 3.1	59030	3300	17.9	53300	3730	14.3	6.6	69	12.0	5.14	84.19

H78A SERIES (R407C)

60 HZ

230/200 VOLTS - 3 Phase															
H78A383DBL	33900	9947	3250	10.4 3.1	44600	2860	15.6	41700	2900	14.4	10.4	110	20.0	4.02	65.85
H78A423DBL	38750	11370	3725	10.4 3.1	52500	3070	17.1	47700	3315	14.4	11.6	110	21.0	4.51	73.87
H78A543DBL	47500	13938	4700	10.1 3.0	63000	3860	16.3	58000	4250	13.6	13.9	137	25.0	5.50	90.09
460/380 VOLTS - 3 Phase															
H78A383DBV	33900	9947	3250	10.4 3.1	44600	2860	15.6	41700	2900	14.4	5.2	54	11.0	4.02	65.85
H78A423DBV	38750	11370	3725	10.4 3.1	52500	3070	17.1	47700	3315	14.4	5.8	54	11.0	4.51	73.87
H78A473DBV	40900	12001	4030	10.1 3.0	55800	3360	16.6	50900	3625	14.0	6.2	54	12.0	4.93	80.75
H78A543DBV	47500	13938	4700	10.1 3.0	63000	3860	16.3	58000	4250	13.6	7.1	69	13.0	5.50	90.09
575 VOLTS - 3 Phase															
H78A383DBF	33900	9947	3250	10.4 3.1	44600	2860	15.6	41700	2900	14.4	4.1	44	8.0	4.02	65.85
H78A423DBF	38750	11370	3725	10.4 3.1	52500	3070	17.1	47700	3315	14.4	4.6	44	8.5	4.51	73.87
H78A543DBF	47500	13938	4700	10.1 3.0	63000	3860	16.3	58000	4250	13.6	5.7	58	10.0	5.50	90.09

H78A SERIES (R407C)

50 HZ

220/240 - 1 Phase															
H78A423ABK	30600	8979	3070	10.0 2.9	42750	2550	16.8	39100	2760	14.2	15.1	99	27.0	4.51	73.87
220/200 VOLTS - 3 Phase															
H78A383DBL	26300	7717	2510	10.5 3.1	37900	2125	17.8	34100	2300	14.8	10.8	115	20.0	4.02	65.85
H78A423DBL	31100	9125	2950	10.5 3.1	43100	2400	18.0	39500	2650	14.9	11.6	115	20.0	4.51	73.87
H78A543DBL	39850	11693	3800	10.5 3.1	53625	3155	17.0	49500	3400	14.6	13.8	145	25.0	5.50	90.09
380/415 VOLTS - 3 Phase															
H78A383DBV	26300	7717	2510	10.5 3.1	37900	2125	17.8	34100	2300	14.8	5.0	54	11.0	4.02	65.85
H78A423DBV	31100	9125	2950	10.5 3.1	43100	2400	18.0	39500	2650	14.9	5.7	54	10.5	4.51	73.87
H78A473DBV	34252	10050	3280	10.4 3.1	46400	2690	17.2	43000	2940	14.6	6.2	54	11.5	4.93	80.75
H78A543DBV	39850	11693	3800	10.5 3.1	53625	3155	17.0	49500	3400	14.6	7.3	62	13.0	5.50	90.09
500 VOLTS - 3 Phase															
H78A383DBF	26300	7717	2510	10.5 3.1	37900	2125	17.8	34100	2300	14.8	4.0	42	8.0	4.02	65.85
H78A423DBF	31100	9125	2950	10.5 3.1	43100	2400	18.0	39500	2650	14.9	4.6	42	9.0	4.51	73.87
H78A543DBF	39850	11693	3800	10.5 3.1	53625	3155	17.0	49500	3400	14.6	5.6	52	10.0	5.50	90.09

*Data Subject to Revision

H79A SERIES (R407C)

50 HZ

Model	Oil Charge OZ L		Weight Net Ship Lbs Kg Lbs Kg				ELECTRICAL START COMPONENTS			DIMENSIONS								
							Run Capacitor MFD/VOLTS	Start Capacitor MFD/VOLTS	G.E. Relay	*DIAGRAMS FOUND ON PAGE 66								
										A		B		C		IN	MM	IN
380/415 VOLTS - 3 Phase																		
H79A383DBV	65	1.9	93.0	42.3	96.5	43.9	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	417.2			
H79A423DBV	65	1.9	94.0	42.7	98.5	44.8	-Not Req'd	-Not Req'd	-Not Req'd	15.2	387.0	17.4	441.1	17.7	449.0			
H79A473DBV	65	1.9	94.5	43.0	98.5	44.8	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8			
H79A503DBV	65	1.9	100.5	45.7	104.5	47.5	-Not Req'd	-Not Req'd	-Not Req'd	15.2	387.0	17.4	441.1	17.7	449.0			
H79A563DBV	65	1.9	105.5	48.0	109.5	49.8	-Not Req'd	-Not Req'd	-Not Req'd	15.2	387.0	17.4	441.1	17.7	449.0			
H79A623DBV	65	1.9	105.0	47.7	109.5	49.8	-Not Req'd	-Not Req'd	-Not Req'd	15.2	387.0	17.4	441.1	17.7	449.0			

H78A SERIES (R407C)

60 HZ

230/200 VOLTS - 3 Phase															
H79A503DBV	65	1.9	100.5	45.7	104.5	47.5	-Not Req'd	-Not Req'd	-Not Req'd	15.3	386.9	17.4	440.9	17.7	448.8

H78A SERIES (R407C)

60 HZ

230/200 VOLTS - 3 Phase															
H78A383DBL	50	1.5	86.5	39.3	90.5	41.1	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBL	50	1.5	86.5	39.3	90.5	41.1	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBL	55	1.6	95.5	43.4	100.5	45.7	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
460/380 VOLTS - 3 Phase															
H78A383DBV	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBV	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A473DBV	55	1.6	87.5	39.8	91.5	41.6	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBV	55	1.6	94.5	43.0	99.5	45.2	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
575 VOLTS - 3 Phase															
H78A383DBF	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBF	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBF	55	1.6	94.0	42.7	99.0	45.0	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5

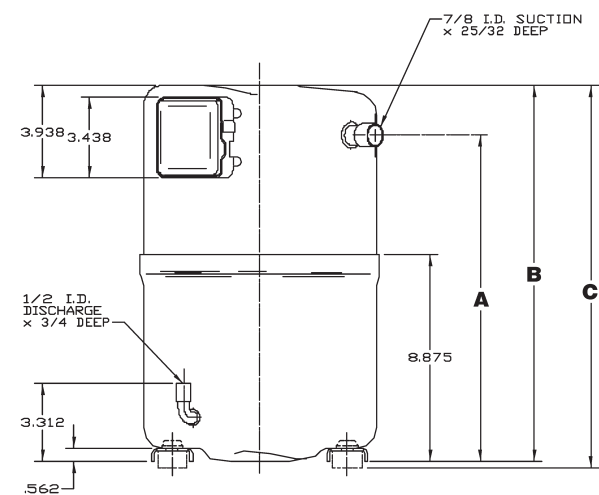
H78A SERIES (R407C)

50 HZ

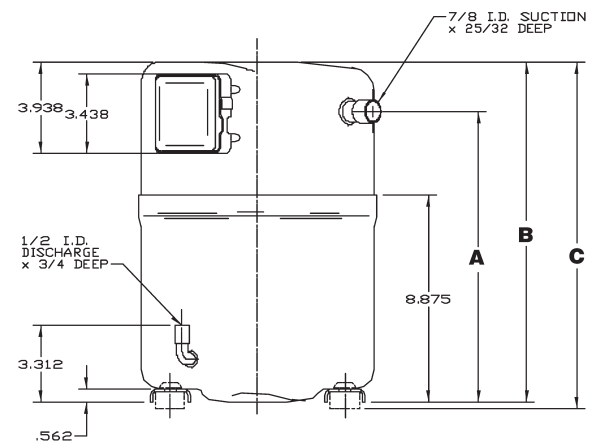
220/240 - 1 Phase															
H78A423ABK	50	1.5	83.5	38.0	88.5	40.2	55/370	145-175/250	3ARR3*24P*	14.0	355.3	16.1	409.4	16.4	416.5
220/200 VOLTS - 3 Phase															
H78A383DBL	50	1.5	86.5	39.3	90.5	41.1	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBL	50	1.5	86.5	39.3	90.5	41.1	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBL	55	1.6	95.5	43.4	100.5	45.7	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
380/415 VOLTS - 3 Phase															
H78A383DBV	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBV	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A473DBV	55	1.6	87.5	39.8	91.5	41.6	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBV	55	1.6	94.5	43.0	99.5	45.2	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
500 VOLTS - 3 Phase															
H78A383DBF	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A423DBF	50	1.5	87.0	39.5	91.0	41.4	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5
H78A543DBF	55	1.6	94.0	42.7	99.0	45.0	-Not Req'd	-Not Req'd	-Not Req'd	14.0	355.3	16.1	409.4	16.4	416.5

A FAMILY

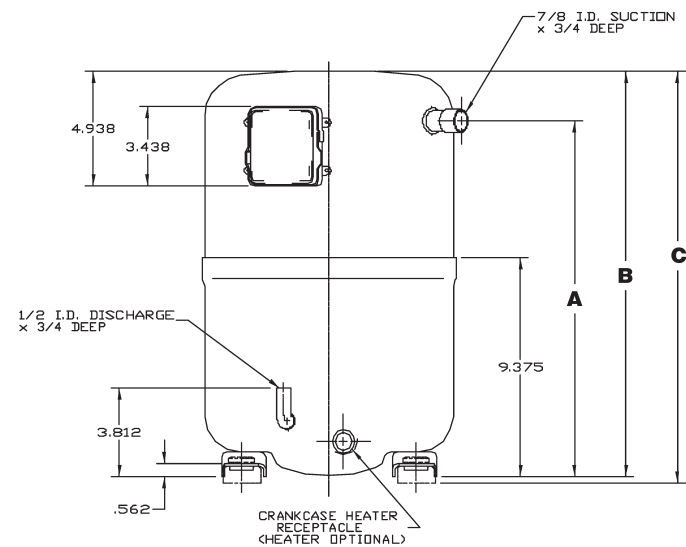
Diagrams



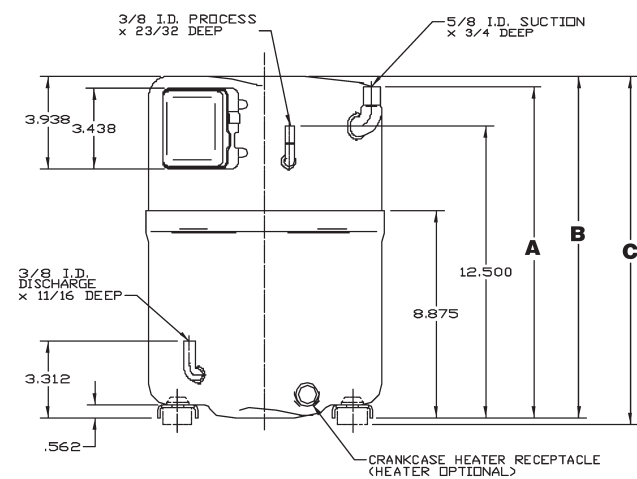
H23A



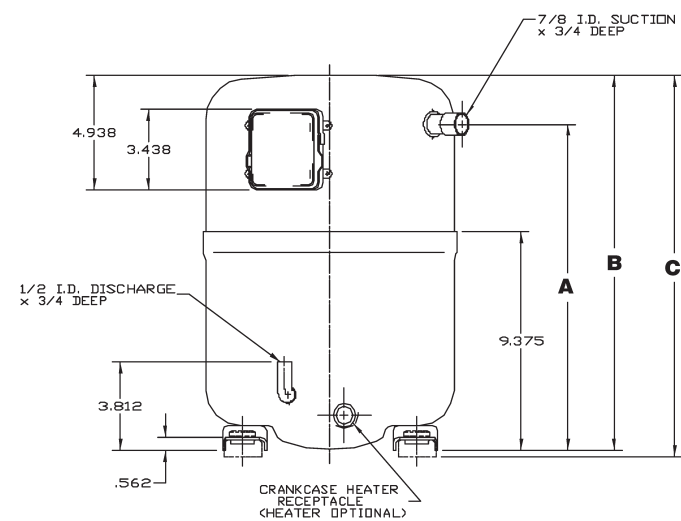
H24A



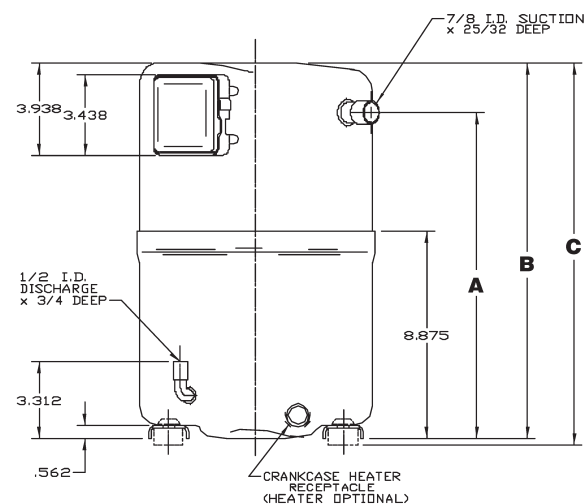
H29A & T29A



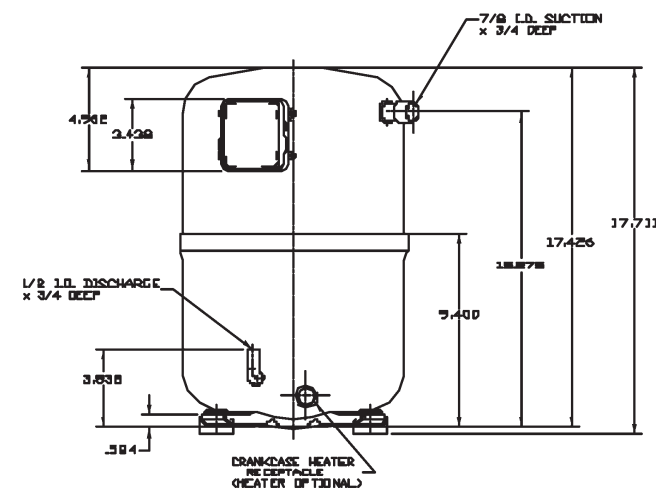
H73A



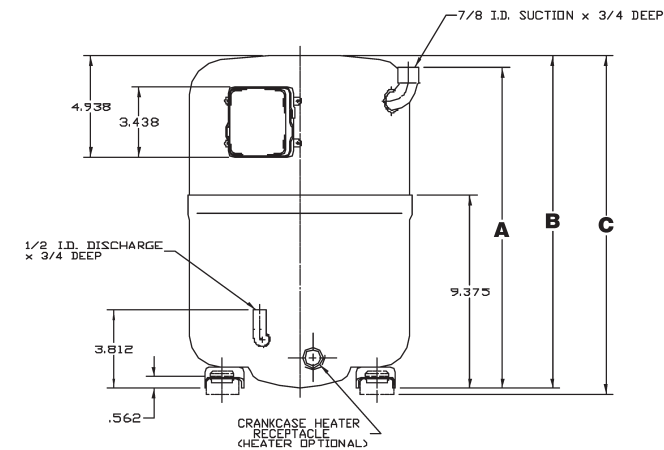
H25A, H26A, H27A



H28A & H78A



H89A



H79A