



## Technical Datasheet

### **H-Series A2L**

#### **High-Efficiency Condensing Unit**

**P/N 3244069 Rev B**  
March 2026

**Refrigerant Type**  
A2L  
(R-454A or R-454C)

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### **Customer-Focused Solutions**

Krack has a long history of innovation—continually updating and expanding current product offerings while developing new solutions to help reduce environmental impacts and meet or exceed regulatory requirements.

Krack can help you understand benefits and trade-offs associated with each solution and make the most of incentive and rebate programs.



Check all warnings and read the entire manual before installing, servicing, or conducting maintenance on any A2L-equipped unit to avoid potential risks including explosion, death, injury, and property damage.

Scan the QR code for more information on A2L systems.

### **Certifications**



#### **⚠ WARNING**

**Component parts shall be replaced with like components, and servicing shall be done by factory authorized service personnel only, so as to minimize the risk of possible ignition due to incorrect parts or improper service.**

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

# H-Series A2L

## Model Overview

### **WARNING:**

**Read the entire installation, operation, and service manual before installing, servicing, or using this equipment.**

If the information in the instructions are not followed exactly, a fire or explosion may result, causing property damage, personal injury, or death. Installation and service must be performed by a qualified installer or service agency.



Mildly flammable A2L refrigerant used. Units that are configured to use A2L refrigerants require special attention. No open flames, cigarettes, or other possible sources of ignition should be used inside or in the vicinity of units containing flammable refrigerants.

If a refrigerant leak is present or even suspected, do not allow untrained personnel to attempt to find the cause. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.

Information about replacement parts and procedures can be found in the associated installation, operation, and service manual. All manual information must be reviewed in full prior to performing any work.

### **Overview**

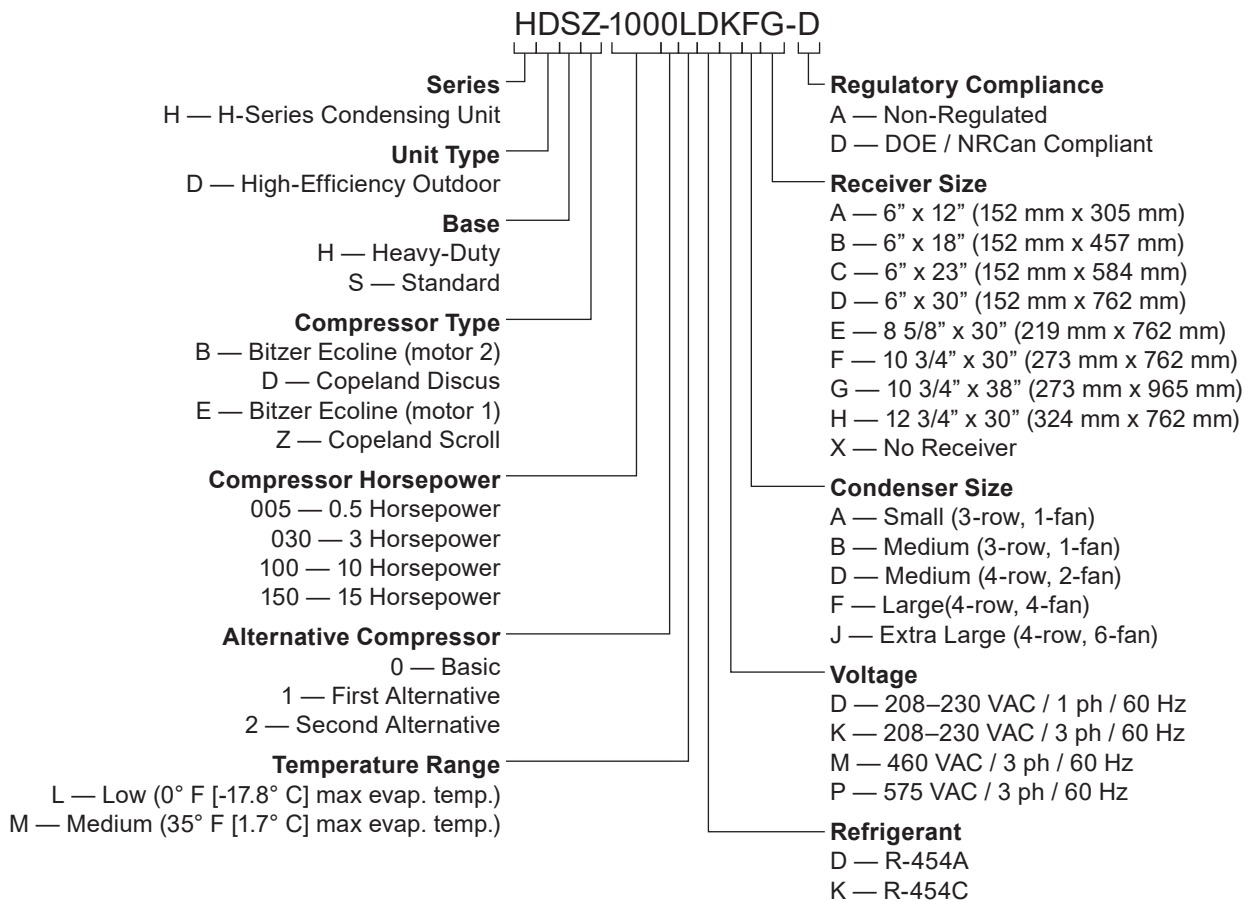
Krack H-Series A2L series condensing units are designed to meet new Department of Energy requirements for walk-in coolers and freezers 3,000 square feet (278.7 square meters) and smaller. AWEF values for units meeting DOE regulations are published in this document. Some units which do not meet the DOE requirements are available on the High Efficiency platform and are shown with solid black shaded electrical data. Non-DOE units are allowed for application with display cases, process loads, or walk-in coolers and freezers larger than 3,000 square feet (278.7 square meters). Selection of a unit which meets the DOE requirements is always recommended regardless of application.

This system operates using A2L refrigerant (either R-454A or R-454C). A2Ls are synthetic, mildly-flammable refrigerants that meet low GWP regulatory requirements and offer the greatest ease of use for technicians compared to other solutions.

Refer to state/local regulations for GWP and maximum allowable refrigerant before ordering to ensure compliance with these regulations.

### Model Nomenclature

The nomenclature of a typical configuration is shown below, but not all variables are fully defined here. Please contact Krack for more details. If interested in non-standard configurations.



### Ordering Information

Complete model number (including refrigerant), room temperature, saturated suction temperature, liquid refrigerant temperature, compliance requirements, and any desired optional accessories and/or features must be specified during the ordering process.

# H-Series A2L

## Specifications

### Specifications

#### Electrical Supply Power

Main disconnect for the unit will be an external breaker. See controller specifications or wiring diagrams for controller voltage requirements. Current is shown as the rated value, not the actual current draw.

Input Power Options	Control Circuit Power Options
208–230 VAC / 1-phase / 60 Hz 208–230 VAC / 3-phase / 60 Hz 460 VAC / 3-phase / 60 Hz 575 VAC / 3-phase / 60 Hz	115 VAC / 1-phase / 60 Hz 230 VAC / 1-phase / 60 Hz

#### Low Temperature Copeland Scroll with R-454A Electrical, Capacity, and Configuration Data

#### Low Temperature Copeland Scroll with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/1/60				208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*Z-0200LD[ ]A( )-D	YF05KSE	3.11	12.2	1.2	19.5	30	8.3	1.2	14.6	20	3.8	0.7	7.3	15
HD*Z-0200LD[ ]B( )-D	YF05KSE	3.13	12.2	1.2	19.5	30	8.3	1.2	14.6	20	3.8	0.7	7.3	15
HD*Z-0250LD[ ]B( )-D	YF06KSE	3.15	14.7	1.2	19.5	30	8.7	1.2	13.5	20	3.7	0.7	6.5	15
HD*Z-0250LD[ ]D( )-D	YF06KSE	3.15	14.7	2.4	20.7	30	8.7	2.1	14.4	20	3.7	1.3	7.1	15
HD*Z-0300LD[ ]A( )-D	YF07KSE	3.15	12.4	1.2	20.2	30	8.7	1.2	13.5	20	4.5	0.7	7.5	15
HD*Z-0300LD[ ]B( )-D	YF07KSE	3.15	12.4	1.2	20.2	30	8.7	2.1	14.4	20	4.5	0.7	7.5	15
HD*Z-0350LD[ ]B( )-D	YF09KSE	3.15	16.3	1.2	24.6	40	10.9	1.2	17.8	30	5.8	0.7	9.2	15
HD*Z-0350LD[ ]D( )-D	YF09KSE	3.15	16.3	2.4	25.8	40	10.9	2.1	18.7	30	5.8	1.3	9.8	15
HD*Z-0400LD[ ]B( )-D	YF10KAE	3.15	22.4	1.2	32.2	50	11.9	1.2	19.1	30	7.1	0.7	10.8	15
HD*Z-0400LD[ ]D( )-D	YF10KAE	3.15	22.4	2.4	33.4	50	11.9	2.1	20	30	7.1	1.3	11.4	15
HD*Z-0500LD[ ]B( )-D	YF13KAE	3.15	24.7	1.2	35.1	50	17	1.2	25.5	40	8	0.7	11.9	20
HD*Z-0500LD[ ]D( )-D	YF13KAE	3.15	24.7	2.4	36.3	60	17	2.1	26.4	40	8	1.3	12.5	20
HD*Z-0600LD[ ]B( )-D	YF15KAE	3.15	N/A	N/A	N/A	N/A	19.6	1.2	28.7	50	8	0.7	11.9	20
HD*Z-0600LD[ ]D( )-D	YF15KAE	3.15	N/A	N/A	N/A	N/A	19.6	2.1	29.6	50	8	1.3	12.5	20
HD*Z-0750LD[ ]D( )-D	YF19KAE	3.15	N/A	N/A	N/A	N/A	24	2.1	35.1	60	10.6	1.3	15.8	25
HD*Z-0750LD[ ]F( )-D	YF19KAE	3.15	N/A	N/A	N/A	N/A	24	3.2	36.2	60	10.6	1.9	16.4	25
HD*Z-1000LD[ ]D( )-A	YF26KAE	N/A	N/A	N/A	N/A	N/A	33.3	2.1	46.7	80	16	1.3	18.6	30
HD*Z-1000LD[ ]F( )-D	YF26KAE	N/A	N/A	N/A	N/A	N/A	33.3	3.2	47.8	80	16	1.9	19.2	30
HD*Z-1500LD[ ]F( )-D	YF38KAE	N/A	N/A	N/A	N/A	N/A	45.5	3.2	63.1	100	18.1	1.9	25.7	40
HD*Z-1500LD[ ]J( )-D	YF38KAE	N/A	N/A	N/A	N/A	N/A	45.5	4.5	64.4	100	18.1	2.5	26.3	40

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Scroll with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*Z-0200LD[ JA( )-D	YF05KSE	4,700 (1.38)	5,400 (1.58)	6,000 (1.76)	6,800 (1.99)	7,600 (2.23)	8,500 (2.49)	9,400 (2.75)	10,400 (3.05)	11,500 (3.37)
HD*Z-0200LD[ JB( )-D	YF05KSE	4,900 (1.44)	5,500 (1.61)	6,200 (1.82)	7,000 (2.05)	7,900 (2.32)	8,800 (2.58)	9,900 (2.9)	11,000 (3.22)	12,200 (3.58)
HD*Z-0250LD[ JA( )-D	YF06KSE	6,000 (1.76)	6,800 (1.99)	7,600 (2.23)	8,600 (2.52)	9,700 (2.84)	10,800 (3.17)	12,000 (3.52)	13,400 (3.93)	14,900 (4.37)
HD*Z-0250LD[ JD( )-D	YF06KSE	6,100 (1.79)	6,900 (2.02)	7,800 (2.29)	8,800 (2.58)	9,900 (2.9)	11,100 (3.25)	12,400 (3.63)	13,800 (4.04)	15,400 (4.51)
HD*Z-0300LD[ JA( )-D	YF07KSE	6,400 (1.88)	7,300 (2.14)	8,200 (2.4)	9,100 (2.67)	10,200 (2.99)	11,300 (3.31)	12,500 (3.66)	13,800 (4.04)	15,200 (4.45)
HD*Z-0300LD[ JB( )-D	YF07KSE	6,600 (1.93)	7,500 (2.2)	8,500 (2.49)	9,600 (2.81)	10,700 (3.14)	12,000 (3.52)	13,400 (3.93)	14,800 (4.34)	16,400 (4.81)
HD*Z-0350LD[ JA( )-D	YF09KSE	8,200 (2.4)	9,300 (2.73)	10,500 (3.08)	11,700 (3.43)	13,100 (3.84)	14,600 (4.28)	16,200 (4.75)	18,000 (5.28)	19,900 (5.83)
HD*Z-0350LD[ JD( )-D	YF09KSE	8,400 (2.46)	9,500 (2.78)	10,800 (3.17)	12,100 (3.55)	13,600 (3.99)	15,200 (4.45)	16,900 (4.95)	18,800 (5.51)	20,900 (6.13)
HD*Z-0400LD[ JA( )-D	YF10KAE	9,500 (2.78)	10,700 (3.14)	12,100 (3.55)	13,500 (3.96)	15,100 (4.43)	16,800 (4.92)	18,600 (5.45)	20,500 (6.01)	22,600 (6.62)
HD*Z-0400LD[ JD( )-D	YF10KAE	9,800 (2.87)	11,100 (3.25)	12,500 (3.66)	14,000 (4.1)	15,700 (4.6)	17,500 (5.13)	19,500 (5.71)	21,700 (6.36)	24,000 (7.03)
HD*Z-0500LD[ JA( )-D	YF13KAE	11,500 (3.37)	13,000 (3.81)	14,500 (4.25)	16,200 (4.75)	18,100 (5.3)	20,000 (5.86)	22,100 (6.48)	24,300 (7.12)	26,700 (7.82)
HD*Z-0500LD[ JD( )-D	YF13KAE	11,900 (3.49)	13,500 (3.96)	15,200 (4.45)	17,000 (4.98)	19,100 (5.6)	21,200 (6.21)	23,600 (6.92)	26,100 (7.65)	28,900 (8.47)
HD*Z-0600LD[ JA( )-D	YF15KAE	13,300 (3.9)	15,000 (4.4)	16,800 (4.92)	18,700 (5.48)	20,800 (6.1)	22,900 (6.71)	25,300 (7.41)	27,800 (8.15)	30,400 (8.91)
HD*Z-0600LD[ JD( )-D	YF15KAE	13,900 (4.07)	15,700 (4.6)	17,700 (5.19)	19,800 (5.8)	22,100 (6.48)	24,700 (7.24)	27,400 (8.03)	30,300 (8.88)	33,400 (9.79)
HD*Z-0750LD[ JA( )-D	YF19KAE	17,400 (5.10)	19,600 (5.74)	22,000 (6.45)	24,600 (7.21)	27,300 (8)	30,300 (8.88)	33,500 (9.82)	36,900 (10.81)	40,500 (11.87)
HD*Z-0750LD[ JF( )-D	YF19KAE	18,200 (5.33)	20,700 (6.07)	23,400 (6.86)	26,300 (7.71)	29,400 (8.62)	32,900 (9.64)	36,700 (10.76)	40,700 (11.93)	45,100 (13.22)
HD*Z-1000LD[ JA( )-A	YF26KAE	22,600 (6.62)	25,400 (7.44)	28,300 (8.29)	31,500 (9.23)	34,900 (10.23)	38,500 (11.28)	42,200 (12.37)	46,200 (13.54)	50,400 (14.77)
HD*Z-1000LD[ JF( )-D	YF26KAE	24,100 (7.06)	27,300 (8)	30,800 (9.03)	34,600 (10.14)	38,700 (11.34)	43,200 (12.66)	48,000 (14.07)	53,200 (15.59)	58,800 (17.23)
HD*Z-1500LD[ JA( )-D	YF38KAE	34,300 (10.05)	38,700 (11.34)	43,400 (12.72)	48,600 (14.24)	54,200 (15.88)	60,100 (17.61)	66,600 (19.52)	73,400 (21.51)	80,600 (23.62)
HD*Z-1500LD[ JF( )-D	YF38KAE	34,900 (10.23)	39,500 (11.58)	44,400 (13.01)	49,800 (14.59)	55,700 (16.32)	62,000 (18.17)	68,800 (20.16)	76,100 (22.3)	83,900 (24.59)

\* Base Type  
 [ ] Voltage  
 ( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Copeland Scroll with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*Z-0200LD[ JA( )-D	YF05KSE	4,400 (1.29)	5,000 (1.47)	5,600 (1.64)	6,300 (1.85)	7,000 (2.05)	7,800 (2.29)	8,700 (2.55)	9,600 (2.81)	10,700 (3.14)
HD*Z-0200LD[ JB( )-D	YF05KSE	4,500 (1.32)	5,200 (1.52)	5,800 (1.7)	6,600 (1.93)	7,400 (2.17)	8,200 (2.4)	9,200 (2.7)	10,200 (2.99)	11,400 (3.34)
HD*Z-0250LD[ JB( )-D	YF06KSE	5,600 (1.64)	6,300 (1.85)	7,100 (2.08)	8,000 (2.34)	9,000 (2.64)	10,000 (2.93)	11,200 (3.28)	12,400 (3.63)	13,800 (4.04)
HD*Z-0250LD[ JD( )-D	YF06KSE	5,700 (1.67)	6,500 (1.9)	7,300 (2.14)	8,200 (2.4)	9,200 (2.7)	10,300 (3.02)	11,600 (3.4)	12,900 (3.78)	14,300 (4.19)
HD*Z-0300LD[ JA( )-D	YF07KSE	6,000 (1.76)	6,700 (1.96)	7,600 (2.23)	8,400 (2.46)	9,400 (2.75)	10,400 (3.05)	11,500 (3.37)	12,700 (3.72)	13,900 (4.07)
HD*Z-0300LD[ JB( )-D	YF07KSE	6,200 (1.82)	7,100 (2.08)	8,000 (2.34)	8,900 (2.61)	10,000 (2.93)	11,200 (3.28)	12,400 (3.63)	13,800 (4.04)	15,200 (4.45)
HD*Z-0350LD[ JB( )-D	YF09KSE	7,700 (2.26)	8,700 (2.55)	9,800 (2.87)	10,900 (3.19)	12,200 (3.58)	13,600 (3.99)	15,100 (4.43)	16,700 (4.89)	18,400 (5.39)
HD*Z-0350LD[ JD( )-D	YF09KSE	7,900 (2.32)	8,900 (2.61)	10,100 (2.96)	11,300 (3.31)	12,700 (3.72)	14,200 (4.16)	15,800 (4.63)	17,500 (5.13)	19,400 (5.69)
HD*Z-0400LD[ JB( )-D	YF10KAE	8,800 (2.58)	10,000 (2.93)	11,200 (3.28)	12,500 (3.66)	13,900 (4.07)	15,500 (4.54)	17,100 (5.01)	18,900 (5.54)	20,800 (6.1)
HD*Z-0400LD[ JD( )-D	YF10KAE	9,100 (2.67)	10,300 (3.02)	11,600 (3.4)	13,100 (3.84)	14,600 (4.28)	16,300 (4.78)	18,100 (5.3)	20,100 (5.89)	22,200 (6.51)
HD*Z-0500LD[ JB( )-D	YF13KAE	10,700 (3.14)	12,000 (3.52)	13,400 (3.93)	15,000 (4.4)	16,600 (4.86)	18,400 (5.39)	20,300 (5.95)	22,300 (6.54)	24,400 (7.15)
HD*Z-0500LD[ JD( )-D	YF13KAE	11,100 (3.25)	12,600 (3.69)	14,100 (4.13)	15,800 (4.63)	17,700 (5.19)	19,700 (5.77)	21,800 (6.39)	24,200 (7.09)	26,700 (7.82)
HD*Z-0600LD[ JB( )-D	YF15KAE	12,400 (3.63)	13,900 (4.07)	15,500 (4.54)	17,200 (5.04)	19,000 (5.57)	21,000 (6.15)	23,100 (6.77)	25,300 (7.42)	27,600 (8.09)
HD*Z-0600LD[ JD( )-D	YF15KAE	13,000 (3.81)	14,600 (4.28)	16,400 (4.81)	18,400 (5.39)	20,500 (6.01)	22,800 (6.68)	25,300 (7.41)	27,900 (8.18)	30,800 (9.03)
HD*Z-0750LD[ JD( )-D	YF19KAE	16,200 (4.75)	18,200 (5.33)	20,400 (5.98)	22,700 (6.65)	25,300 (7.41)	27,900 (8.18)	30,800 (9.03)	33,900 (9.94)	37,200 (10.9)
HD*Z-0750LD[ JF( )-D	YF19KAE	17,100 (5.01)	19,400 (5.69)	21,900 (6.42)	24,500 (7.18)	27,500 (8.06)	30,700 (9)	34,100 (9.99)	37,900 (11.11)	41,900 (12.28)
HD*Z-1000LD[ JD( )-A	YF26KAE	20,900 (6.13)	23,500 (6.89)	26,100 (7.65)	29,000 (8.5)	32,000 (9.38)	35,200 (10.32)	38,600 (11.31)	42,100 (12.34)	N/A
HD*Z-1000LD[ JF( )-D	YF26KAE	22,600 (6.62)	25,600 (7.5)	28,800 (8.44)	32,200 (9.44)	36,000 (10.55)	40,100 (11.75)	44,600 (13.07)	49,400 (14.48)	54,500 (15.97)
HD*Z-1500LD[ JF( )-D	YF38KAE	32,000 (9.38)	36,100 (10.58)	40,400 (11.84)	45,200 (13.25)	50,300 (14.74)	55,800 (16.35)	61,700 (18.08)	68,000 (19.93)	74,600 (21.86)
HD*Z-1500LD[ JI( )-D	YF38KAE	32,700 (9.58)	36,900 (10.81)	41,500 (12.16)	46,400 (13.6)	51,900 (15.21)	57,700 (16.91)	64,000 (18.76)	70,700 (20.72)	78,000 (22.86)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Scroll with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*Z-0200LD[ ]A( )-D	YF05KSE	A / Small	1/2	7/8	B
HD*Z-0200LD[ ]B( )-D	YF05KSE	B / Medium	1/2	7/8	C
HD*Z-0250LD[ ]B( )-D	YF06KSE	B / Medium	1/2	7/8	C
HD*Z-0250LD[ ]D( )-D	YF06KSE	D / Medium	1/2	7/8	E
HD*Z-0300LD[ ]A( )-D	YF07KSE	A / Small	1/2	7/8	B
HD*Z-0300LD[ ]B( )-D	YF07KSE	B / Medium	1/2	7/8	C
HD*Z-0350LD[ ]B( )-D	YF09KSE	B / Medium	1/2	7/8	C
HD*Z-0350LD[ ]D( )-D	YF09KSE	D / Medium	1/2	7/8	E
HD*Z-0400LD[ ]B( )-D	YF10KAE	B / Medium	1/2	7/8	C
HD*Z-0400LD[ ]D( )-D	YF10KAE	D / Medium	1/2	7/8	E
HD*Z-0500LD[ ]B( )-D	YF13KAE	B / Medium	1/2	7/8	C
HD*Z-0500LD[ ]D( )-D	YF13KAE	D / Medium	1/2	7/8	E
HD*Z-0600LD[ ]B( )-D	YF15KAE	B / Medium	5/8	7/8	C
HD*Z-0600LD[ ]D( )-D	YF15KAE	D / Medium	5/8	7/8	E
HD*Z-0750LD[ ]D( )-D	YF19KAE	D / Medium	5/8	1-3/8	E
HD*Z-0750LD[ ]F( )-D	YF19KAE	F / Large	5/8	1-3/8	F
HD*Z-1000LD[ ]D( )-A	YF26KAE	D / Medium	5/8	1-3/8	E
HD*Z-1000LD[ ]F( )-D	YF26KAE	F / Large	5/8	1-3/8	F
HD*Z-1500LD[ ]F( )-D	YF38KAE	F / Large	5/8	1-3/8	F
HD*Z-1500LD[ ]J( )-D	YF38KAE	J / Extra Large	7/8	1-3/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Scroll with R-454C Electrical, Capacity, and Configuration Data

#### Low Temperature Copeland Scroll with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/1/60				208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*Z-0200LK[ ]JA( )-D	YF05KSE	3.05	12.2	1.2	19.5	30	8.3	1.2	14.6	20	4.3	0.7	7.3	15
HD*Z-0200LK[ ]JB( )-D	YF05KSE	3.06	12.2	1.2	19.5	30	8.3	1.2	14.6	20	4.3	0.7	7.3	15
HD*Z-0250LK[ ]JB( )-D	YF06KSE	3.14	12.2	1.2	19.5	30	7.4	1.2	13.5	20	3.7	0.7	6.5	15
HD*Z-0250LK[ ]JD( )-D	YF06KSE	3.15	12.2	2.4	20.7	30	7.4	2.1	14.4	20	3.7	1.3	7.1	15
HD*Z-0300LK[ ]JA( )-D	YF07KSE	3.15	12.8	1.2	20.2	30	8.7	1.2	15.1	20	4.5	0.7	7.5	15
HD*Z-0300LK[ ]JB( )-D	YF07KSE	3.15	12.8	1.2	20.2	30	8.7	1.2	15.1	20	4.5	0.7	7.5	15
HD*Z-0350LK[ ]JB( )-D	YF09KSE	3.15	16.3	1.2	24.6	40	10.9	1.2	17.8	30	5.8	0.7	9.2	15
HD*Z-0350LK[ ]JD( )-D	YF09KSE	3.15	16.3	2.4	25.8	40	10.9	2.1	18.7	30	5.8	1.3	9.8	15
HD*Z-0400LK[ ]JB( )-D	YF10KAE	3.15	22.4	1.2	32.2	50	11.9	1.2	19.1	30	7.1	0.7	10.8	15
HD*Z-0400LK[ ]JD( )-D	YF10KAE	3.15	22.4	2.4	33.4	50	11.9	2.1	20	30	7.1	1.3	11.4	15
HD*Z-0500LK[ ]JB( )-D	YF13KAE	3.15	24.7	1.2	35.1	50	17	1.2	25.5	40	8	0.7	11.9	20
HD*Z-0500LK[ ]JD( )-D	YF13KAE	3.15	24.7	2.4	36.3	60	17	2.1	26.4	40	8	1.3	12.5	20
HD*Z-0600LK[ ]JB( )-D	YF15KAE	3.15	N/A	N/A	N/A	N/A	19.6	1.2	28.7	50	8	0.7	11.9	20
HD*Z-0600LK[ ]JD( )-D	YF15KAE	3.15	N/A	N/A	N/A	N/A	19.6	2.1	29.6	50	8	1.3	12.5	20
HD*Z-0750LK[ ]JD( )-D	YF19KAE	3.15	N/A	N/A	N/A	N/A	24	2.1	35.1	60	10.6	1.3	15.8	25
HD*Z-0750LK[ ]JF( )-D	YF19KAE	3.15	N/A	N/A	N/A	N/A	24	3.2	36.2	60	10.6	1.9	16.4	25
HD*Z-1000LK[ ]JD( )-D	YF26KAE	3.15	N/A	N/A	N/A	N/A	33.3	2.1	46.7	80	12.9	1.3	18.6	30
HD*Z-1000LK[ ]JF( )-D	YF26KAE	3.15	N/A	N/A	N/A	N/A	33.3	3.2	47.8	80	12.9	1.9	19.2	30
HD*Z-1500LK[ ]JF( )-D	YF38KAE	3.15	N/A	N/A	N/A	N/A	45.5	3.2	63.1	100	18.1	1.9	25.7	40
HD*Z-1500LK[ ]J( )-D	YF38KAE	3.15	N/A	N/A	N/A	N/A	45.5	4.5	64.4	100	18.1	2.5	26.3	40

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Scroll with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*Z-0200LK[ JA( )-D	YF05KSE	4,100 (1.20)	4,600 (1.35)	5,200 (1.52)	5,900 (1.73)	6,600 (1.93)	7,400 (2.17)	8,300 (2.43)	9,200 (2.7)	10,200 (2.99)
HD*Z-0200LK[ JB( )-D	YF05KSE	4,200 (1.23)	4,800 (1.41)	5,400 (1.58)	6,100 (1.79)	6,900 (2.02)	7,700 (2.26)	8,600 (2.52)	9,600 (2.81)	10,700 (3.14)
HD*Z-0250LK[ JB( )-D	YF06KSE	5,100 (1.49)	5,900 (1.73)	6,600 (1.93)	7,500 (2.2)	8,400 (2.46)	9,500 (2.78)	10,600 (3.11)	11,800 (3.46)	13,100 (3.84)
HD*Z-0250LK[ JD( )-D	YF06KSE	5,200 (1.52)	5,900 (1.73)	6,700 (1.96)	7,600 (2.23)	8,600 (2.52)	9,700 (2.84)	10,800 (3.17)	12,100 (3.55)	13,500 (3.96)
HD*Z-0300LK[ JA( )-D	YF07KSE	5,500 (1.61)	6,300 (1.85)	7,100 (2.08)	8,000 (2.34)	8,900 (2.61)	10,000 (2.93)	11,100 (3.25)	12,300 (3.6)	13,600 (3.99)
HD*Z-0300LK[ JB( )-D	YF07KSE	5,700 (1.67)	6,500 (1.91)	7,400 (2.17)	8,300 (2.43)	9,400 (2.75)	10,500 (3.08)	11,700 (3.43)	13,100 (3.84)	14,500 (4.25)
HD*Z-0350LK[ JB( )-D	YF09KSE	7,100 (2.08)	8,100 (2.37)	9,100 (2.67)	10,300 (3.02)	11,500 (3.37)	12,900 (3.78)	14,300 (4.19)	15,900 (4.66)	17,600 (5.16)
HD*Z-0350LK[ JD( )-D	YF09KSE	7,200 (2.11)	8,200 (2.4)	9,300 (2.73)	10,500 (3.08)	11,800 (3.46)	13,300 (3.9)	14,800 (4.34)	16,500 (4.84)	18,400 (5.39)
HD*Z-0400LK[ JB( )-D	YF10KAE	8,200 (2.4)	9,300 (2.73)	10,500 (3.08)	11,800 (3.46)	13,200 (3.87)	14,700 (4.31)	16,400 (4.81)	18,200 (5.33)	20,100 (5.89)
HD*Z-0400LK[ JD( )-D	YF10KAE	8,400 (2.46)	9,500 (2.78)	10,800 (3.17)	12,200 (3.58)	13,700 (4.02)	15,300 (4.48)	17,100 (5.01)	19,000 (5.57)	21,200 (6.21)
HD*Z-0500LK[ JB( )-D	YF13KAE	9,900 (2.90)	11,300 (3.31)	12,700 (3.72)	14,200 (4.16)	15,900 (4.66)	17,700 (5.19)	19,700 (5.77)	21,700 (6.36)	24,000 (7.03)
HD*Z-0500LK[ JD( )-D	YF13KAE	10,200 (2.99)	11,600 (3.4)	13,200 (3.87)	14,800 (4.34)	16,600 (4.87)	18,600 (5.45)	20,700 (6.07)	23,100 (6.77)	25,600 (7.5)
HD*Z-0600LK[ JB( )-D	YF15KAE	11,600 (3.4)	13,200 (3.87)	14,800 (4.34)	16,600 (4.87)	18,500 (5.42)	20,500 (6.01)	22,700 (6.65)	25,000 (7.33)	27,500 (8.06)
HD*Z-0600LK[ JD( )-D	YF15KAE	12,100 (3.55)	13,700 (4.02)	15,500 (4.54)	17,400 (5.1)	19,500 (5.72)	21,800 (6.39)	24,200 (7.09)	26,900 (7.88)	29,700 (8.7)
HD*Z-0750LK[ JD( )-D	YF19KAE	15,100 (4.43)	17,100 (5.01)	19,200 (5.63)	21,600 (6.33)	24,100 (7.06)	26,800 (7.85)	29,800 (8.73)	32,900 (9.64)	36,200 (10.61)
HD*Z-0750LK[ JF( )-D	YF19KAE	15,700 (4.60)	17,900 (5.25)	20,200 (5.92)	22,800 (6.68)	25,600 (7.5)	28,700 (8.41)	32,100 (9.41)	35,700 (10.46)	39,700 (11.64)
HD*Z-1000LK[ JD( )-D	YF26KAE	19,600 (5.74)	22,200 (6.51)	24,900 (7.3)	27,800 (8.15)	31,000 (9.09)	34,400 (10.08)	38,000 (11.14)	41,800 (12.25)	45,800 (13.42)
HD*Z-1000LK[ JF( )-D	YF26KAE	20,800 (6.1)	23,600 (6.92)	26,700 (7.83)	30,100 (8.82)	33,800 (9.91)	37,800 (11.08)	42,200 (12.37)	46,900 (13.75)	52,000 (15.24)
HD*Z-1500LK[ JF( )-D	YF38KAE	29,900 (8.76)	33,800 (9.91)	38,100 (11.17)	42,800 (12.54)	47,900 (14.04)	53,400 (15.65)	59,200 (17.35)	65,600 (19.23)	72,300 (21.19)
HD*Z-1500LK[ JI( )-D	YF38KAE	30,300 (8.88)	34,400 (10.08)	38,800 (11.37)	43,700 (12.81)	49,000 (14.36)	54,800 (16.06)	61,000 (17.88)	67,600 (19.81)	74,800 (21.92)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Copeland Scroll with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*Z-0200LK[ JA( )-D	YF05KSE	3,800 (1.11)	4,300 (1.26)	4,900 (1.44)	5,500 (1.61)	6,200 (1.82)	6,900 (2.02)	7,700 (2.26)	8,500 (2.49)	9,400 (2.75)
HD*Z-0200LK[ JB( )-D	YF05KSE	3,900 (1.14)	4,400 (1.29)	5,000 (1.47)	5,700 (1.67)	6,400 (1.88)	7,200 (2.11)	8,000 (2.34)	9,000 (2.64)	10,000 (2.93)
HD*Z-0250LK[ JB( )-D	YF06KSE	4,800 (1.41)	5,500 (1.61)	6,200 (1.82)	7,000 (2.05)	7,800 (2.29)	8,800 (2.58)	9,800 (2.87)	11,000 (3.22)	12,200 (3.58)
HD*Z-0250LK[ JD( )-D	YF06KSE	4,900 (1.44)	5,600 (1.64)	6,300 (1.85)	7,100 (2.08)	8,000 (2.34)	9,000 (2.64)	10,100 (2.96)	11,300 (3.31)	12,600 (3.69)
HD*Z-0300LK[ JA( )-D	YF07KSE	5,200 (1.52)	5,900 (1.73)	6,600 (1.93)	7,400 (2.17)	8,300 (2.43)	9,200 (2.7)	10,300 (3.02)	11,300 (3.31)	12,500 (3.66)
HD*Z-0300LK[ JB( )-D	YF07KSE	5,300 (1.55)	6,100 (1.79)	6,900 (2.02)	7,800 (2.29)	8,700 (2.55)	9,800 (2.87)	10,900 (3.19)	12,100 (3.55)	13,500 (3.96)
HD*Z-0350LK[ JB( )-D	YF09KSE	6,600 (1.93)	7,500 (2.2)	8,500 (2.49)	9,600 (2.81)	10,700 (3.14)	12,000 (3.52)	13,300 (3.9)	14,800 (4.34)	16,400 (4.81)
HD*Z-0350LK[ JD( )-D	YF09KSE	6,800 (1.99)	7,700 (2.26)	8,700 (2.55)	9,800 (2.87)	11,100 (3.25)	12,400 (3.63)	13,800 (4.04)	15,400 (4.51)	17,100 (5.01)
HD*Z-0400LK[ JB( )-D	YF10KAE	7,600 (2.23)	8,600 (2.52)	9,700 (2.84)	10,900 (3.19)	12,200 (3.58)	13,600 (3.99)	15,100 (4.43)	16,800 (4.92)	18,600 (5.45)
HD*Z-0400LK[ JD( )-D	YF10KAE	7,800 (2.29)	8,900 (2.61)	10,000 (2.93)	11,300 (3.31)	12,700 (3.72)	14,200 (4.16)	15,900 (4.66)	17,700 (5.19)	19,600 (5.74)
HD*Z-0500LK[ JB( )-D	YF13KAE	9,200 (2.7)	10,400 (3.05)	11,800 (3.46)	13,200 (3.87)	14,700 (4.31)	16,300 (4.78)	18,100 (5.3)	20,000 (5.86)	22,000 (6.45)
HD*Z-0500LK[ JD( )-D	YF13KAE	9,600 (2.81)	10,900 (3.19)	12,300 (3.6)	13,800 (4.04)	15,400 (4.51)	17,300 (5.07)	19,200 (5.63)	21,400 (6.27)	23,700 (6.95)
HD*Z-0600LK[ JB( )-D	YF15KAE	10,800 (3.17)	12,200 (3.58)	13,700 (4.02)	15,300 (4.48)	17,000 (4.98)	18,800 (5.51)	20,800 (6.1)	22,900 (6.71)	25,100 (7.36)
HD*Z-0600LK[ JD( )-D	YF15KAE	11,200 (3.28)	12,700 (3.72)	14,400 (4.22)	16,100 (4.72)	18,100 (5.3)	20,100 (5.89)	22,400 (6.57)	24,800 (7.27)	27,500 (8.06)
HD*Z-0750LK[ JD( )-D	YF19KAE	14,000 (4.1)	15,900 (4.66)	17,900 (5.25)	20,000 (5.86)	22,300 (6.54)	24,800 (7.27)	27,500 (8.06)	30,300 (8.88)	33,400 (9.79)
HD*Z-0750LK[ JF( )-D	YF19KAE	14,700 (4.31)	16,700 (4.89)	18,900 (5.54)	21,300 (6.24)	23,900 (7)	26,800 (7.85)	29,900 (8.76)	33,200 (9.73)	36,900 (10.81)
HD*Z-1000LK[ JD( )-D	YF26KAE	18,300 (5.36)	20,600 (6.04)	23,100 (6.77)	25,700 (7.53)	28,600 (8.38)	31,600 (9.26)	34,800 (10.2)	38,200 (11.2)	41,900 (12.28)
HD*Z-1000LK[ JF( )-D	YF26KAE	19,400 (5.69)	22,100 (6.48)	24,900 (7.3)	28,000 (8.21)	31,500 (9.23)	35,200 (10.32)	39,200 (11.49)	43,600 (12.78)	48,300 (14.16)
HD*Z-1500LK[ JF( )-D	YF38KAE	27,900 (8.18)	31,500 (9.23)	35,500 (10.4)	39,800 (11.66)	44,500 (13.04)	49,500 (14.51)	54,900 (16.09)	60,800 (17.82)	67,000 (19.64)
HD*Z-1500LK[ JI( )-D	YF38KAE	28,400 (8.32)	32,100 (9.41)	36,200 (10.61)	40,700 (11.93)	45,600 (13.36)	50,900 (14.92)	56,700 (16.62)	62,900 (18.43)	69,500 (20.37)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Scroll with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*Z-0200LK[ ]A( )-D	YF05KSE	A / Small	1/2	7/8	B
HD*Z-0200LK[ ]B( )-D	YF05KSE	B / Medium	1/2	7/8	C
HD*Z-0250LK[ ]B( )-D	YF06KSE	B / Medium	1/2	7/8	C
HD*Z-0250LK[ ]D( )-D	YF06KSE	D / Medium	1/2	7/8	E
HD*Z-0300LK[ ]A( )-D	YF07KSE	A / Small	1/2	7/8	B
HD*Z-0300LK[ ]B( )-D	YF07KSE	B / Medium	1/2	7/8	C
HD*Z-0350LK[ ]B( )-D	YF09KSE	B / Medium	1/2	7/8	C
HD*Z-0350LK[ ]D( )-D	YF09KSE	D / Medium	1/2	7/8	E
HD*Z-0400LK[ ]B( )-D	YF10KAE	B / Medium	1/2	7/8	C
HD*Z-0400LK[ ]D( )-D	YF10KAE	D / Medium	1/2	7/8	E
HD*Z-0500LK[ ]B( )-D	YF13KAE	B / Medium	1/2	7/8	C
HD*Z-0500LK[ ]D( )-D	YF13KAE	D / Medium	1/2	7/8	E
HD*Z-0600LK[ ]B( )-D	YF15KAE	B / Medium	5/8	7/8	C
HD*Z-0600LK[ ]D( )-D	YF15KAE	D / Medium	5/8	7/8	E
HD*Z-0750LK[ ]D( )-D	YF19KAE	D / Medium	5/8	1-3/8	E
HD*Z-0750LK[ ]F( )-D	YF19KAE	F / Large	5/8	1-3/8	F
HD*Z-1000LK[ ]D( )-D	YF26KAE	D / Medium	5/8	1-3/8	E
HD*Z-1000LK[ ]F( )-D	YF26KAE	F / Large	5/8	1-3/8	F
HD*Z-1500LK[ ]F( )-D	YF38KAE	F / Large	5/8	1-3/8	F
HD*Z-1500LK[ ]J( )-D	YF38KAE	J / Extra Large	7/8	1-3/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454A Electrical, Capacity, and Configuration Data

#### Medium Temperature Copeland Scroll with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/1/60				208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*Z-0080MD[JA](-)A	YB06KAE	N/A	5.4	1.2	11	15	4.3	1.2	9.6	15	2.6	1.2	6	15
HD*Z-0080MD[JB](-)A	YB06KAE	N/A	5.4	1.2	11	15	4.3	1.2	9.6	15	2.6	1.2	6	15
HD*Z-0100MD[JA](-)A	YB07KAE	N/A	5.6	1.2	11.2	15	4.7	1.2	10.1	15	2.6	1.2	6	15
HD*Z-0100MD[JB](-)D	YB07KAE	7.6	5.6	1.2	11.2	15	4.7	1.2	10.1	15	2.6	1.2	6	15
HD*Z-0120MD[JA](-)D	YB08KAE	7.6	7.2	1.2	13.2	20	4.7	1.2	10.1	15	3	1.2	6.5	15
HD*Z-0120MD[JB](-)D	YB08KAE	7.6	7.2	1.2	13.2	20	4.7	1.2	10.1	15	3	1.2	6.5	15
HD*Z-0130MD[JA](-)D	YS09KAE	7.6	9	1.2	15.5	20	7.2	1.2	13.2	20	3.4	1.2	7	15
HD*Z-0130MD[JB](-)D	YS09KAE	7.6	9	1.2	15.5	20	7.2	1.2	13.2	20	3.4	1.2	7	15
HD*Z-0150MD[JA](-)D	YS11KAE	7.6	11.3	1.2	18.3	30	9.3	1.2	15.8	30	3.8	1.2	7.5	15
HD*Z-0150MD[JB](-)D	YS11KAE	7.6	11.3	1.2	18.3	30	9.3	1.2	15.8	30	3.8	1.2	7.5	15
HD*Z-0180MD[JA](-)D	YS12KAE	7.6	10.8	1.2	17.7	30	8.7	1.2	15.1	20	4.3	1.2	8.1	15
HD*Z-0180MD[JB](-)D	YS12KAE	7.6	10.8	1.2	17.7	30	8.7	1.2	15.1	20	4.3	1.2	8.1	15
HD*Z-0200MD[JB](-)D	YB14KSE	7.6	11.9	1.2	19.1	30	8	1.2	14.2	20	4.5	0.7	7.8	15
HD*Z-0200MD[JD](-)D	YB14KSE	7.6	11.9	2.4	20.3	30	8	2.1	15.1	20	4.5	1.3	8.4	15
HD*Z-0250MD[JB](-)D	YB15KSE	7.6	16	1.2	24.2	40	9	1.2	15.5	20	4.5	0.7	7.8	15
HD*Z-0250MD[JD](-)D	YB15KSE	7.6	16	2.4	25.4	40	9	2.1	16.4	30	4.5	1.3	8.4	15
HD*Z-0300MD[JB](-)D	YB20KSE	7.6	18.6	1.2	27.5	50	10.9	1.2	17.8	30	5.4	0.7	9	15
HD*Z-0300MD[JD](-)D	YB20KSE	7.6	18.6	2.4	28.7	50	10.9	2.1	18.7	30	5.4	1.3	9.6	15
HD*Z-0350MD[JB](-)D	YB23KSE	7.6	21.2	1.2	25.5	50	11.9	1.2	19.1	30	5.8	0.7	9.5	15
HD*Z-0350MD[JD](-)D	YB23KSE	7.6	21.2	2.4	26.7	50	11.9	2.1	20	30	5.8	1.3	10.1	15
HD*Z-0400MD[JB](-)D	YB28KAE	7.6	24	1.2	34.2	50	14.1	1.2	21.8	40	6.7	0.7	10.6	15
HD*Z-0400MD[JD](-)D	YB28KAE	7.6	24	2.4	35.4	50	14.1	2.1	22.7	40	6.7	1.3	11.2	15
HD*Z-0500MD[JD](-)D	YB34KAE	7.6	27.9	2.4	40.3	60	19.9	2.1	30	50	8.7	1.3	13.7	20
HD*Z-0500MD[JF](-)D	YB34KAE	7.6	27.9	4.8	42.7	70	19.9	3.2	31.1	50	8.7	1.9	14.3	20
HD*Z-0601MD[JD](-)D	YB40KAE	7.6	N/A	N/A	N/A	N/A	20.2	2.1	30.4	50	9.1	1.3	14.2	30
HD*Z-0601MD[JF](-)D	YB40KAE	7.6	N/A	N/A	N/A	N/A	20.2	3.2	31.5	50	9.1	1.9	14.8	30
HD*Z-0600MD[JF](-)D	YB44KAE	7.6	N/A	N/A	N/A	N/A	22.8	3.2	34.7	50	13.2	1.9	19.9	30
HD*Z-0600MD[J](-)D	YB44KAE	7.6	N/A	N/A	N/A	N/A	22.8	4.2	35.7	50	13.2	2.5	20.5	30
HD*Z-0751MD[JF](-)D	YB50KAE	7.6	N/A	N/A	N/A	N/A	31.9	3.2	46.1	70	13.7	1.9	20.5	30
HD*Z-0751MD[J](-)D	YB50KAE	7.6	N/A	N/A	N/A	N/A	31.9	4.2	47.1	70	13.7	2.5	21.1	30
HD*Z-0750MD[JF](-)D	YB51KAE	7.6	N/A	N/A	N/A	N/A	30.8	3.2	44.7	70	16	1.9	23.4	40
HD*Z-0750MD[J](-)D	YB51KAE	7.6	N/A	N/A	N/A	N/A	30.8	4.2	45.7	70	16	2.5	24	50
HD*Z-1000MD[JF](-)D	YB68KAE	7.6	N/A	N/A	N/A	N/A	38.6	3.2	54.5	90	18.6	1.9	26.7	50
HD*Z-1000MD[J](-)D	YB68KAE	7.6	N/A	N/A	N/A	N/A	38.6	4.2	55.5	90	18.6	2.5	27.3	50
HD*Z-1300MD[J](-)D	YB83KAE	7.6	N/A	N/A	N/A	N/A	47.4	4.2	66.5	110	21.8	2.5	31.3	50
HD*Z-1500MD[J](-)D	YB100KAE	7.6	N/A	N/A	N/A	N/A	56.5	4.2	77.8	130	24.4	2.5	34.5	50

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0080MD[JA]-A	YB06KAE	4,800 (1.41)	5,400 (1.58)	6,000 (1.76)	6,700 (1.96)	7,400 (2.17)	8,200 (2.4)	9,000 (2.64)	9,900 (2.9)	10,900 (3.19)	11,900 (3.49)
HD*Z-0080MD[JB]-A	YB06KAE	4,900 (1.44)	5,500 (1.61)	6,200 (1.82)	6,900 (2.02)	7,600 (2.23)	8,500 (2.49)	9,300 (2.73)	10,300 (3.02)	11,300 (3.31)	12,500 (3.66)
HD*Z-0100MD[JA]-A	YB07KAE	5,800 (1.7)	6,500 (1.9)	7,200 (2.11)	8,000 (2.34)	8,800 (2.58)	9,700 (2.84)	10,700 (3.14)	11,800 (3.46)	12,900 (3.78)	14,100 (4.13)
HD*Z-0100MD[JB]-D	YB07KAE	6,000 (1.76)	6,700 (1.96)	7,400 (2.17)	8,300 (2.43)	9,200 (2.7)	10,100 (2.96)	11,200 (3.28)	12,300 (3.6)	13,500 (3.96)	14,800 (4.34)
HD*Z-0120MD[JA]-D	YB08KAE	6,700 (1.96)	7,500 (2.2)	8,300 (2.43)	9,200 (2.7)	10,100 (2.96)	11,200 (3.28)	12,300 (3.6)	13,500 (3.96)	14,700 (4.31)	16,100 (4.72)
HD*Z-0120MD[JB]-D	YB08KAE	6,900 (2.02)	7,700 (2.26)	8,600 (2.52)	9,600 (2.81)	10,600 (3.11)	11,700 (3.43)	12,900 (3.78)	14,200 (4.16)	15,600 (4.57)	17,100 (5.01)
HD*Z-0130MD[JA]-D	YS09KAE	7,400 (2.17)	8,200 (2.4)	9,100 (2.67)	10,100 (2.96)	11,200 (3.28)	12,300 (3.6)	13,500 (3.96)	14,800 (4.34)	16,200 (4.75)	17,600 (5.16)
HD*Z-0130MD[JB]-D	YS09KAE	7,600 (2.23)	8,500 (2.49)	9,500 (2.78)	10,600 (3.11)	11,700 (3.43)	13,000 (3.81)	14,300 (4.19)	15,700 (4.6)	17,200 (5.04)	18,800 (5.51)
HD*Z-0150MD[JA]-D	YS11KAE	8,600 (2.52)	9,500 (2.78)	10,600 (3.11)	11,700 (3.43)	12,900 (3.78)	14,200 (4.16)	15,500 (4.54)	17,000 (4.98)	18,500 (5.42)	20,100 (5.89)
HD*Z-0150MD[JB]-D	YS11KAE	8,900 (2.61)	10,000 (2.93)	11,100 (3.25)	12,300 (3.6)	13,600 (3.99)	15,100 (4.43)	16,600 (4.86)	18,200 (5.33)	19,900 (5.83)	21,700 (6.36)
HD*Z-0180MD[JA]-D	YS12KAE	9,800 (2.87)	10,900 (3.19)	12,100 (3.55)	13,300 (3.9)	14,600 (4.28)	16,000 (4.69)	17,500 (5.13)	19,000 (5.57)	20,700 (6.07)	22,400 (6.56)
HD*Z-0180MD[JB]-D	YS12KAE	10,300 (3.02)	11,500 (3.37)	12,700 (3.72)	14,100 (4.13)	15,600 (4.57)	17,200 (5.04)	18,800 (5.51)	20,600 (6.04)	22,500 (6.59)	24,600 (7.21)
HD*Z-0200MD[JB]-D	YB14KSE	11,900 (3.49)	13,200 (3.87)	14,600 (4.28)	16,100 (4.72)	17,700 (5.19)	19,500 (5.71)	21,400 (6.27)	23,400 (6.86)	25,600 (7.5)	27,900 (8.18)
HD*Z-0200MD[JD]-D	YB14KSE	12,200 (3.58)	13,600 (3.99)	15,100 (4.43)	16,700 (4.89)	18,400 (5.39)	20,300 (5.95)	22,400 (6.56)	24,600 (7.21)	26,900 (7.88)	29,400 (8.62)
HD*Z-0250MD[JB]-D	YB15KSE	13,600 (3.99)	15,100 (4.43)	16,700 (4.89)	18,400 (5.39)	20,200 (5.92)	22,200 (6.51)	24,300 (7.12)	26,500 (7.77)	28,800 (8.44)	31,300 (9.17)
HD*Z-0250MD[JD]-D	YB15KSE	14,100 (4.13)	15,700 (4.6)	17,300 (5.07)	19,200 (5.63)	21,100 (6.18)	23,300 (6.83)	25,500 (7.47)	28,000 (8.21)	30,600 (8.97)	33,300 (9.76)
HD*Z-0300MD[JB]-D	YB20KSE	17,100 (5.01)	18,900 (5.54)	20,900 (6.13)	22,900 (6.71)	25,200 (7.39)	27,500 (8.06)	30,000 (8.79)	32,600 (9.55)	35,400 (10.37)	38,300 (11.22)
HD*Z-0300MD[JD]-D	YB20KSE	17,800 (5.22)	19,800 (5.8)	21,900 (6.42)	24,200 (7.09)	26,700 (7.82)	29,300 (8.59)	32,100 (9.41)	35,100 (10.29)	38,200 (11.2)	41,500 (12.16)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0350MD[ JB( )-D	YB23KSE	19,400 (5.69)	21,400 (6.27)	23,500 (6.89)	25,800 (7.56)	28,300 (8.29)	30,900 (9.06)	33,600 (9.85)	36,400 (10.67)	39,400 (11.55)	42,600 (12.48)
HD*Z-0350MD[ JD( )-D	YB23KSE	20,400 (5.98)	22,600 (6.62)	25,000 (7.33)	27,500 (8.06)	30,300 (8.88)	33,200 (9.73)	36,400 (10.67)	39,700 (11.63)	43,200 (12.66)	46,900 (13.75)
HD*Z-0400MD[ JB( )-D	YB28KAE	22,300 (6.54)	24,500 (7.18)	26,900 (7.88)	29,400 (8.62)	32,100 (9.41)	34,900 (10.23)	37,900 (11.11)	41,000 (12.02)	44,200 (12.95)	N/A
HD*Z-0400MD[ JD( )-D	YB28KAE	23,700 (6.95)	26,200 (7.68)	28,900 (8.47)	31,800 (9.32)	34,900 (10.23)	38,200 (11.2)	41,700 (12.22)	45,400 (13.31)	49,400 (14.48)	53,500 (15.68)
HD*Z-0500MD[ JD( )-D	YB34KAE	28,500 (8.35)	31,400 (9.2)	34,600 (10.14)	38,000 (11.14)	41,600 (12.19)	45,400 (13.31)	49,400 (14.48)	53,600 (15.71)	58,000 (17)	62,500 (18.32)
HD*Z-0500MD[ JF( )-D	YB34KAE	30,500 (8.94)	33,900 (9.94)	37,600 (11.02)	41,600 (12.19)	45,800 (13.42)	50,400 (14.77)	55,300 (16.21)	60,500 (17.73)	66,000 (19.34)	71,700 (21.01)
HD*Z-0600MD[ JF( )-D	YB40KAE	39,600 (11.61)	43,900 (12.87)	48,500 (14.21)	53,500 (15.68)	58,900 (17.26)	64,600 (18.93)	70,700 (20.72)	77,200 (22.63)	84,000 (24.62)	91,200 (26.73)
HD*Z-0600MD[ J( )-D	YB40KAE	40,200 (11.78)	44,700 (13.1)	49,500 (14.51)	54,700 (16.03)	60,300 (17.67)	66,300 (19.43)	72,700 (21.31)	79,400 (23.27)	86,700 (25.41)	94,300 (27.64)
HD*Z-0601MD[ JD( )-D	YB44KAE	39,600 (11.61)	43,900 (12.87)	48,500 (14.21)	53,500 (15.68)	58,900 (17.26)	64,600 (18.93)	70,700 (20.72)	77,200 (22.63)	84,000 (24.62)	91,200 (26.73)
HD*Z-0601MD[ JF( )-D	YB44KAE	40,200 (11.78)	44,700 (13.1)	49,500 (14.51)	54,700 (16.03)	60,300 (17.67)	66,300 (19.43)	72,700 (21.31)	79,400 (23.27)	86,700 (25.41)	94,300 (27.64)
HD*Z-0750MD[ JF( )-D	YB50KAE	45,800 (13.42)	50,700 (14.86)	56,100 (16.44)	61,800 (18.11)	67,900 (19.90)	74,400 (21.8)	81,300 (23.83)	88,600 (25.97)	96,300 (28.22)	104,500 (30.63)
HD*Z-0750MD[ J( )-D	YB50KAE	46,700 (13.69)	51,900 (15.21)	57,400 (16.82)	63,400 (18.58)	69,800 (20.46)	76,700 (22.48)	84,000 (24.62)	91,800 (26.9)	100,100 (29.34)	108,900 (31.92)
HD*Z-0751MD[ JF( )-D	YB51KAE	45,800 (13.42)	50,700 (14.86)	56,100 (16.44)	61,800 (18.11)	67,900 (19.9)	74,400 (21.8)	81,300 (23.83)	88,600 (25.97)	96,300 (28.22)	104,500 (30.63)
HD*Z-0751MD[ J( )-D	YB51KAE	46,700 (13.69)	51,900 (15.21)	57,400 (16.82)	63,400 (18.58)	69,800 (20.46)	76,700 (22.48)	84,000 (24.62)	91,800 (26.9)	100,100 (29.34)	108,900 (31.92)
HD*Z-1000MD[ JF( )-D	YB68KAE	59,000 (17.29)	65,100 (19.08)	71,800 (21.04)	78,800 (23.09)	86,400 (25.32)	94,400 (27.67)	102,800 (30.13)	111,700 (32.74)	121,000 (35.46)	130,700 (38.3)
HD*Z-1000MD[ J( )-D	YB68KAE	60,600 (17.76)	67,200 (19.69)	74,200 (21.75)	81,800 (23.97)	89,900 (26.35)	98,500 (28.87)	107,600 (31.53)	117,300 (34.38)	127,500 (37.37)	138,200 (40.5)
HD*Z-1300MD[ J( )-D	YB83KAE	72,900 (21.36)	80,500 (23.59)	88,700 (26)	97,400 (28.55)	106,600 (31.24)	116,500 (34.14)	126,900 (37.19)	137,900 (40.41)	149,500 (43.81)	161,600 (47.36)
HD*Z-1500MD[ J( )-D	YB100KAE	85,500 (25.06)	94,200 (27.61)	103,500 (30.33)	113,400 (33.23)	123,800 (36.28)	134,800 (39.51)	146,400 (42.91)	158,400 (46.42)	171,000 (50.12)	184,100 (53.95)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Scroll with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0080MD[ ]A( )-A	YB06KAE	4,500 (1.32)	5,000 (1.47)	5,600 (1.64)	6,200 (1.82)	6,900 (2.02)	7,600 (2.23)	8,400 (2.46)	9,200 (2.7)	10,100 (2.96)	11,100 (3.25)
HD*Z-0080MD[ ]B( )-A	YB06KAE	4,600 (1.35)	5,100 (1.49)	5,700 (1.67)	6,400 (1.88)	7,100 (2.08)	7,900 (2.32)	8,700 (2.55)	9,600 (2.81)	10,600 (3.11)	11,600 (3.4)
HD*Z-0100MD[ ]A( )-A	YB07KAE	5,400 (1.58)	6,000 (1.76)	6,700 (1.96)	7,400 (2.17)	8,200 (2.4)	9,000 (2.64)	10,000 (2.93)	10,900 (3.19)	12,000 (3.52)	13,100 (3.84)
HD*Z-0100MD[ ]B( )-D	YB07KAE	5,500 (1.61)	6,200 (1.82)	6,900 (2.02)	7,700 (2.26)	8,500 (2.49)	9,400 (2.75)	10,400 (3.05)	11,500 (3.37)	12,600 (3.69)	13,800 (4.04)
HD*Z-0120MD[ ]A( )-D	YB08KAE	6,200 (1.82)	6,900 (2.02)	7,700 (2.26)	8,500 (2.49)	9,400 (2.75)	10,400 (3.05)	11,400 (3.34)	12,500 (3.66)	13,700 (4.02)	14,900 (4.37)
HD*Z-0120MD[ ]B( )-D	YB08KAE	6,400 (1.88)	7,200 (2.11)	8,000 (2.34)	8,900 (2.61)	9,800 (2.87)	10,900 (3.19)	12,000 (3.52)	13,200 (3.87)	14,500 (4.25)	15,900 (4.66)
HD*Z-0130MD[ ]A( )-D	YS09KAE	6,900 (2.02)	7,600 (2.23)	8,500 (2.49)	9,400 (2.75)	10,400 (3.05)	11,400 (3.34)	12,500 (3.66)	13,700 (4.02)	15,000 (4.4)	16,400 (4.81)
HD*Z-0130MD[ ]B( )-D	YS09KAE	7,100 (2.08)	7,900 (2.32)	8,800 (2.58)	9,800 (2.87)	10,900 (3.19)	12,000 (3.52)	13,300 (3.9)	14,600 (4.28)	16,000 (4.69)	17,500 (5.13)
HD*Z-0150MD[ ]A( )-D	YS11KAE	7,900 (2.32)	8,800 (2.58)	9,800 (2.87)	10,800 (3.17)	11,900 (3.49)	13,100 (3.84)	14,400 (4.22)	15,700 (4.6)	17,100 (5.01)	18,600 (5.45)
HD*Z-0150MD[ ]B( )-D	YS11KAE	8,300 (2.43)	9,300 (2.73)	10,300 (3.02)	11,400 (3.34)	12,700 (3.72)	14,000 (4.1)	15,400 (4.51)	16,900 (4.95)	18,500 (5.42)	20,300 (5.95)
HD*Z-0180MD[ ]A( )-D	YS12KAE	9,100 (2.67)	10,100 (2.96)	11,100 (3.25)	12,300 (3.6)	13,500 (3.96)	14,800 (4.34)	16,100 (4.72)	17,600 (5.16)	19,100 (5.6)	20,800 (6.1)
HD*Z-0180MD[ ]B( )-D	YS12KAE	9,600 (2.81)	10,700 (3.14)	11,800 (3.46)	13,100 (3.84)	14,500 (4.25)	15,900 (4.66)	17,500 (5.13)	19,200 (5.63)	21,000 (6.15)	22,900 (6.71)
HD*Z-0200MD[ ]B( )-D	YB14KSE	11,000 (3.22)	12,200 (3.58)	13,500 (3.96)	14,900 (4.37)	16,400 (4.81)	18,100 (5.3)	19,800 (5.8)	21,700 (6.36)	23,700 (6.95)	25,900 (7.59)
HD*Z-0200MD[ ]D( )-D	YB14KSE	11,400 (3.34)	12,600 (3.69)	14,000 (4.1)	15,500 (4.54)	17,200 (5.04)	18,900 (5.54)	20,800 (6.1)	22,900 (6.71)	25,100 (7.36)	27,400 (8.03)
HD*Z-0250MD[ ]B( )-D	YB15KSE	12,700 (3.72)	14,000 (4.1)	15,500 (4.54)	17,100 (5.01)	18,800 (5.51)	20,600 (6.04)	22,500 (6.59)	24,600 (7.21)	26,700 (7.82)	29,100 (8.53)
HD*Z-0250MD[ ]D( )-D	YB15KSE	13,100 (3.84)	14,600 (4.28)	16,200 (4.75)	17,900 (5.25)	19,700 (5.77)	21,700 (6.36)	23,800 (6.98)	26,100 (7.65)	28,500 (8.35)	31,100 (9.11)
HD*Z-0300MD[ ]B( )-D	YB20KSE	15,800 (4.63)	17,500 (5.13)	19,300 (5.66)	21,200 (6.21)	23,200 (6.8)	25,400 (7.44)	27,700 (8.12)	30,100 (8.82)	32,700 (9.58)	35,400 (10.38)
HD*Z-0300MD[ ]D( )-D	YB20KSE	16,600 (4.86)	18,400 (5.39)	20,400 (5.98)	22,500 (6.59)	24,800 (7.27)	27,200 (7.97)	29,800 (8.73)	32,600 (9.55)	35,500 (10.4)	38,600 (11.31)

\* Base Type  
 [ ] Voltage  
 ( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Scroll with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0350MD[ JB( )-D	YB23KSE	17,900 (5.25)	19,700 (5.77)	21,700 (6.36)	23,800 (6.98)	26,000 (7.62)	28,400 (8.32)	30,900 (9.06)	33,500 (9.82)	36,200 (10.61)	N/A
HD*Z-0350MD[ JD( )-D	YB23KSE	18,900 (5.54)	21,000 (6.15)	23,200 (6.8)	25,500 (7.47)	28,100 (8.24)	30,800 (9.03)	33,700 (9.88)	36,800 (10.79)	40,000 (11.72)	43,500 (12.75)
HD*Z-0400MD[ JB( )-D	YB28KAE	20,500 (6.01)	22,600 (6.62)	24,700 (7.24)	27,000 (7.91)	29,400 (8.62)	32,000 (9.38)	34,700 (10.17)	N/A	N/A	N/A
HD*Z-0400MD[ JD( )-D	YB28KAE	22,000 (6.45)	24,300 (7.12)	26,800 (7.85)	29,400 (8.62)	32,300 (9.47)	35,300 (10.35)	38,500 (11.28)	42,000 (12.31)	45,600 (13.36)	49,400 (14.48)
HD*Z-0500MD[ JD( )-D	YB34KAE	26,300 (7.71)	29,100 (8.53)	32,000 (9.38)	35,100 (10.29)	38,400 (11.25)	41,800 (12.25)	45,500 (13.33)	49,400 (14.48)	53,400 (15.65)	57,600 (16.88)
HD*Z-0500MD[ JF( )-D	YB34KAE	28,400 (8.32)	31,600 (9.26)	35,000 (10.26)	38,700 (11.34)	42,600 (12.48)	46,900 (13.75)	51,400 (15.06)	56,200 (16.47)	61,400 (17.99)	66,800 (19.58)
HD*Z-0600MD[ JF( )-D	YB44KAE	36,900 (10.81)	40,800 (11.96)	45,100 (13.22)	49,800 (14.59)	54,700 (16.03)	60,000 (17.58)	65,600 (19.23)	71,600 (20.98)	78,000 (22.86)	84,700 (24.82)
HD*Z-0600MD[ J( )-D	YB44KAE	37,500 (10.99)	41,700 (12.22)	46,100 (13.51)	51,000 (14.95)	56,100 (16.44)	61,700 (18.08)	67,600 (19.81)	73,900 (21.66)	80,700 (23.65)	87,800 (25.73)
HD*Z-0601MD[ JD( )-D	YB44KAE	30,500 (8.94)	33,600 (9.85)	36,800 (10.79)	40,200 (11.78)	43,900 (12.87)	47,700 (13.98)	51,700 (15.15)	56,000 (16.41)	N/A	N/A
HD*Z-0601MD[ JF( )-D	YB44KAE	33,500 (9.82)	37,100 (10.87)	41,100 (12.05)	45,300 (13.28)	49,900 (14.62)	54,800 (16.06)	60,000 (17.58)	65,600 (19.23)	71,500 (20.96)	77,700 (22.77)
HD*Z-0750MD[ JF( )-D	YB50KAE	42,600 (12.49)	47,100 (13.8)	52,000 (15.24)	57,200 (16.76)	62,800 (18.41)	68,800 (20.16)	75,200 (22.04)	82,000 (24.03)	89,100 (26.11)	96,700 (28.34)
HD*Z-0750MD[ J( )-D	YB50KAE	43,500 (12.75)	48,300 (14.16)	53,400 (15.65)	58,900 (17.26)	64,800 (18.99)	71,200 (20.87)	78,000 (22.86)	85,200 (24.97)	92,900 (27.23)	101,000 (29.6)
HD*Z-0751MD[ JF( )-D	YB51KAE	42,000 (12.31)	46,400 (13.6)	51,200 (15.01)	56,300 (16.5)	61,800 (18.11)	67,600 (19.81)	73,700 (21.6)	80,200 (23.51)	87,100 (25.53)	94,300 (27.64)
HD*Z-0751MD[ J( )-D	YB51KAE	42,900 (12.57)	47,500 (13.92)	52,500 (15.39)	57,900 (16.97)	63,600 (18.64)	69,700 (20.43)	76,300 (22.36)	83,200 (24.38)	90,500 (26.52)	98,300 (28.81)
HD*Z-1000MD[ JF( )-D	YB68KAE	54,600 (16)	60,200 (17.64)	66,300 (19.43)	72,700 (21.31)	79,600 (23.33)	87,000 (25.50)	94,700 (27.75)	102,900 (30.16)	111,500 (32.68)	120,500 (35.32)
HD*Z-1000MD[ J( )-D	YB68KAE	56,300 (16.5)	62,300 (18.26)	68,700 (20.13)	75,700 (22.19)	83,100 (24.36)	91,100 (26.7)	99,500 (29.16)	108,500 (31.8)	118,000 (34.58)	127,900 (37.49)
HD*Z-1300MD[ J( )-D	YB83KAE	67,600 (19.81)	74,500 (21.83)	81,900 (24)	89,900 (26.35)	98,300 (28.81)	107,300 (31.45)	116,900 (34.26)	126,900 (37.19)	137,600 (40.33)	148,700 (43.58)
HD*Z-1500MD[ J( )-D	YB100KAE	79,300 (23.24)	87,200 (25.56)	95,600 (28.02)	104,600 (30.66)	114,100 (33.44)	124,200 (36.4)	134,700 (39.48)	145,800 (42.73)	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

### Medium Temperature Copeland Scroll with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*Z-0080MD[ JA( )-A	YB06KAE	A / Small	1/2	7/8	B
HD*Z-0080MD[ JB( )-A	YB06KAE	B / Medium	1/2	7/8	C
HD*Z-0100MD[ JA( )-A	YB07KAE	A / Small	1/2	7/8	B
HD*Z-0100MD[ JB( )-D	YB07KAE	B / Medium	1/2	7/8	C
HD*Z-0120MD[ JA( )-D	YB08KAE	A / Small	1/2	7/8	B
HD*Z-0120MD[ JB( )-D	YB08KAE	B / Medium	1/2	7/8	C
HD*Z-0130MD[ JA( )-D	YS09KAE	A / Small	1/2	7/8	B
HD*Z-0130MD[ JB( )-D	YS09KAE	B / Medium	1/2	7/8	C
HD*Z-0150MD[ JA( )-D	YS11KAE	A / Small	1/2	7/8	B
HD*Z-0150MD[ JB( )-D	YS11KAE	B / Medium	1/2	7/8	C
HD*Z-0180MD[ JA( )-D	YS12KAE	A / Small	1/2	7/8	B
HD*Z-0180MD[ JB( )-D	YS12KAE	B / Medium	1/2	7/8	C
HD*Z-0200MD[ JB( )-D	YB14KSE	B / Medium	1/2	7/8	C
HD*Z-0200MD[ JD( )-D	YB14KSE	D / Medium	1/2	7/8	E
HD*Z-0250MD[ JB( )-D	YB15KSE	B / Medium	1/2	7/8	C
HD*Z-0250MD[ JD( )-D	YB15KSE	D / Medium	1/2	7/8	E
HD*Z-0300MD[ JB( )-D	YB20KSE	B / Medium	1/2	7/8	C
HD*Z-0300MD[ JD( )-D	YB20KSE	D / Medium	1/2	7/8	E
HD*Z-0350MD[ JB( )-D	YB23KSE	B / Medium	1/2	7/8	C
HD*Z-0350MD[ JD( )-D	YB23KSE	D / Medium	1/2	7/8	E
HD*Z-0400MD[ JB( )-D	YB28KAE	B / Medium	5/8	7/8	C
HD*Z-0400MD[ JD( )-D	YB28KAE	D / Medium	5/8	7/8	E
HD*Z-0500MD[ JD( )-D	YB34KAE	D / Medium	5/8	7/8	E
HD*Z-0500MD[ JF( )-D	YB34KAE	F / Large	5/8	7/8	F
HD*Z-0601MD[ JD( )-D	YB40KAE	F / Large	5/8	7/8	E
HD*Z-0601MD[ JF( )-D	YB40KAE	J / Extra Large	5/8	7/8	F
HD*Z-0600MD[ JF( )-D	YB44KAE	D / Medium	5/8	7/8	F
HD*Z-0600MD[ JJ( )-D	YB44KAE	F / Large	5/8	7/8	H
HD*Z-0751MD[ JF( )-D	YB50KAE	F / Large	5/8	1-1/8	F
HD*Z-0751MD[ JJ( )-D	YB50KAE	J / Extra Large	5/8	1-1/8	H
HD*Z-0750MD[ JF( )-D	YB51KAE	F / Large	5/8	1-3/8	F
HD*Z-0750MD[ JJ( )-D	YB51KAE	J / Extra Large	5/8	1-3/8	H
HD*Z-1000MD[ JF( )-D	YB68KAE	F / Large	5/8	1-3/8	F
HD*Z-1000MD[ JJ( )-D	YB68KAE	J / Extra Large	5/8	1-3/8	H
HD*Z-1300MD[ JJ( )-D	YB83KAE	J / Extra Large	7/8	1-3/8	H
HD*Z-1500MD[ JJ( )-D	YB100KAE	J / Extra Large	7/8	1-3/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454C Electrical, Capacity, and Configuration Data

#### Medium Temperature Copeland Scroll with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/1/60				208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*Z-0080MK[JA](-)A	YB06KAE	N/A	5.4	1.2	11	15	4.3	1.2	9.6	15	2.6	1.2	6	15
HD*Z-0080MK[JB](-)A	YB06KAE	N/A	5.4	1.2	11	15	4.3	1.2	9.6	15	2.6	1.2	6	15
HD*Z-0100MK[JA](-)A	YB07KAE	N/A	5.6	1.2	11.2	15	4.7	1.2	10.1	15	2.6	1.2	6	15
HD*Z-0100MK[JB](-)A	YB07KAE	N/A	5.6	1.2	11.2	15	4.7	1.2	10.1	15	2.6	1.2	6	15
HD*Z-0120MK[JA](-)A	YB08KAE	N/A	7.2	1.2	13.2	20	4.7	1.2	10.1	15	3	1.2	6.5	15
HD*Z-0120MK[JB](-)A	YB08KAE	N/A	7.2	1.2	13.2	20	4.7	1.2	10.1	15	3	1.2	6.5	15
HD*Z-0130MK[JA](-)A	YS09KAE	N/A	9	1.2	15.5	20	7.2	1.2	13.2	20	3.4	1.2	7	15
HD*Z-0130MK[JB](-)D	YS09KAE	N/A	9	1.2	15.5	20	7.2	1.2	13.2	20	3.4	1.2	7	15
HD*Z-0150MK[JA](-)D	YS11KAE	7.6	11.3	1.2	18.3	30	9.3	1.2	15.8	30	3.8	1.2	7.5	15
HD*Z-0150MK[JB](-)D	YS11KAE	7.6	11.3	1.2	18.3	30	9.3	1.2	15.8	30	3.8	1.2	7.5	15
HD*Z-0180MK[JA](-)D	YS12KAE	7.6	10.8	1.2	17.7	30	8.7	1.2	15.1	20	4.3	1.2	8.1	15
HD*Z-0180MK[JB](-)D	YS12KAE	7.6	10.8	1.2	17.7	30	8.7	1.2	15.1	20	4.3	1.2	8.1	15
HD*Z-0200MK[JB](-)D	YB14KSE	7.6	11.9	1.2	19.1	30	8	1.2	14.2	20	4.5	0.7	7.8	15
HD*Z-0200MK[JD](-)D	YB14KSE	7.6	11.9	2.4	20.3	30	8	2.1	15.1	20	4.5	1.3	8.4	15
HD*Z-0250MK[JB](-)D	YB15KSE	7.6	16	1.2	24.2	40	9	1.2	15.5	20	4.5	0.7	7.8	15
HD*Z-0250MK[JD](-)D	YB15KSE	7.6	16	2.4	25.4	40	9	2.1	16.4	30	4.5	1.3	8.4	15
HD*Z-0300MK[JB](-)D	YB20KSE	7.6	18.6	1.2	27.5	50	10.9	1.2	17.8	30	5.4	0.7	9	15
HD*Z-0300MK[JD](-)D	YB20KSE	7.6	18.6	2.4	28.7	50	10.9	2.1	18.7	30	5.4	1.3	9.6	15
HD*Z-0350MK[JB](-)D	YB23KSE	7.6	17	1.2	25.5	40	11.9	1.2	19.1	30	5.8	0.7	9.5	15
HD*Z-0350MK[JD](-)D	YB23KSE	7.6	17	2.4	26.7	40	11.9	2.1	20	30	5.8	1.3	10.1	15
HD*Z-0400MK[JB](-)D	YB28KAE	7.6	24	1.2	34.2	50	14.1	1.2	21.8	40	6.7	0.7	10.6	15
HD*Z-0400MK[JD](-)D	YB28KAE	7.6	24	2.4	35.4	50	14.1	2.1	22.7	40	6.7	1.3	11.2	15
HD*Z-0500MK[JD](-)D	YB34KAE	7.6	27.9	2.4	40.3	60	19.9	2.1	30	50	8.7	1.3	13.7	20
HD*Z-0500MK[JF](-)D	YB34KAE	7.6	27.9	4.8	42.7	70	19.9	3.2	31.1	50	8.7	1.9	14.3	20
HD*Z-0601MK[JD](-)D	YB44KAE	7.6	N/A	N/A	N/A	N/A	20.2	2.1	30.4	50	9.1	1.3	14.2	30
HD*Z-0601MK[JF](-)D	YB44KAE	7.6	N/A	N/A	N/A	N/A	20.2	3.2	31.5	50	9.1	1.9	14.8	30
HD*Z-0600MK[JF](-)D	YB40KAE	7.6	N/A	N/A	N/A	N/A	22.8	3.2	34.7	50	13.2	1.9	19.9	30
HD*Z-0600MK[JJ](-)D	YB40KAE	7.6	N/A	N/A	N/A	N/A	22.8	4.2	35.7	50	13.2	2.5	20.5	30
HD*Z-0751MK[JF](-)D	YB51KAE	7.6	N/A	N/A	N/A	N/A	31.9	3.2	46.1	70	13.7	1.9	20.5	30
HD*Z-0751MK[JJ](-)D	YB51KAE	7.6	N/A	N/A	N/A	N/A	31.9	4.2	47.1	70	13.7	2.5	21.1	30
HD*Z-0750MK[JF](-)D	YB50KAE	7.6	N/A	N/A	N/A	N/A	30.8	3.2	44.7	70	16	1.9	23.4	40
HD*Z-0750MK[JJ](-)D	YB50KAE	7.6	N/A	N/A	N/A	N/A	30.8	4.2	45.7	70	16	2.5	24	50
HD*Z-1000MK[JF](-)D	YB68KAE	7.6	N/A	N/A	N/A	N/A	38.6	3.2	54.5	90	18.6	1.9	26.7	50
HD*Z-1000MK[JJ](-)D	YB68KAE	7.6	N/A	N/A	N/A	N/A	38.6	4.2	55.5	90	18.6	2.5	27.3	50
HD*Z-1300MK[JJ](-)D	YB83KAE	7.6	N/A	N/A	N/A	N/A	47.4	4.2	66.5	110	21.8	2.5	31.3	50
HD*Z-1500MK[JJ](-)D	YB100KAE	7.6	N/A	N/A	N/A	N/A	56.5	4.2	77.8	130	24.4	2.5	34.5	50

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0080MK[ JA( )-A	YB06KAE	4,200 (1.23)	4,700 (1.38)	5,300 (1.55)	5,900 (1.73)	6,500 (1.91)	7,200 (2.11)	8,000 (2.34)	8,800 (2.58)	9,700 (2.84)	10,600 (3.11)
HD*Z-0080MK[ JB( )-A	YB06KAE	4,300 (1.26)	4,800 (1.41)	5,400 (1.58)	6,000 (1.76)	6,700 (1.96)	7,400 (2.17)	8,200 (2.4)	9,100 (2.67)	10,000 (2.93)	11,000 (3.22)
HD*Z-0100MK[ JA( )-A	YB07KAE	5,100 (1.49)	5,700 (1.67)	6,300 (1.85)	7,000 (2.05)	7,800 (2.29)	8,600 (2.52)	9,500 (2.78)	10,400 (3.05)	11,400 (3.34)	12,500 (3.66)
HD*Z-0100MK[ JB( )-A	YB07KAE	5,200 (1.52)	5,800 (1.7)	6,500 (1.91)	7,200 (2.11)	8,000 (2.34)	8,900 (2.61)	9,800 (2.87)	10,800 (3.17)	11,900 (3.49)	13,100 (3.84)
HD*Z-0120MK[ JA( )-A	YB08KAE	5,900 (1.73)	6,600 (1.93)	7,300 (2.14)	8,100 (2.37)	9,000 (2.64)	9,900 (2.9)	10,900 (3.19)	12,000 (3.52)	13,100 (3.84)	14,300 (4.19)
HD*Z-0120MK[ JB( )-A	YB08KAE	6,100 (1.79)	6,800 (1.99)	7,600 (2.23)	8,400 (2.46)	9,300 (2.73)	10,300 (3.02)	11,400 (3.34)	12,500 (3.66)	13,800 (4.04)	15,100 (4.43)
HD*Z-0130MK[ JA( )-A	YS09KAE	6,500 (1.91)	7,300 (2.14)	8,100 (2.37)	9,000 (2.64)	10,000 (2.93)	11,000 (3.22)	12,100 (3.55)	13,200 (3.87)	14,400 (4.22)	15,700 (4.6)
HD*Z-0130MK[ JB( )-D	YS09KAE	6,700 (1.96)	7,500 (2.2)	8,400 (2.46)	9,300 (2.73)	10,400 (3.05)	11,500 (3.37)	12,600 (3.69)	13,900 (4.07)	15,200 (4.45)	16,700 (4.89)
HD*Z-0150MK[ JA( )-D	YS11KAE	7,600 (2.23)	8,500 (2.49)	9,400 (2.75)	10,400 (3.05)	11,500 (3.37)	12,700 (3.72)	13,900 (4.07)	15,200 (4.45)	16,600 (4.87)	18,100 (5.3)
HD*Z-0150MK[ JB( )-D	YS11KAE	7,900 (2.32)	8,800 (2.58)	9,800 (2.87)	10,900 (3.19)	12,100 (3.55)	13,400 (3.93)	14,700 (4.31)	16,200 (4.75)	17,700 (5.19)	19,300 (5.66)
HD*Z-0180MK[ JA( )-D	YS12KAE	8,700 (2.55)	9,700 (2.84)	10,700 (3.14)	11,900 (3.49)	13,100 (3.84)	14,300 (4.19)	15,700 (4.6)	17,100 (5.01)	18,700 (5.48)	20,300 (5.95)
HD*Z-0180MK[ JB( )-D	YS12KAE	9,100 (2.67)	10,100 (2.96)	11,300 (3.31)	12,500 (3.66)	13,800 (4.04)	15,200 (4.45)	16,800 (4.92)	18,400 (5.39)	20,100 (5.89)	21,900 (6.42)
HD*Z-0200MK[ JB( )-D	YB14KSE	10,400 (3.05)	11,600 (3.4)	12,900 (3.78)	14,200 (4.16)	15,700 (4.6)	17,300 (5.07)	19,000 (5.57)	20,900 (6.13)	22,800 (6.68)	24,900 (7.3)
HD*Z-0200MK[ JD( )-D	YB14KSE	10,700 (3.14)	11,900 (3.49)	13,200 (3.87)	14,700 (4.31)	16,300 (4.78)	18,000 (5.28)	19,800 (5.8)	21,800 (6.39)	23,900 (7)	26,100 (7.65)
HD*Z-0250MK[ JB( )-D	YB15KSE	12,000 (3.52)	13,300 (3.9)	14,800 (4.34)	16,300 (4.78)	18,000 (5.28)	19,700 (5.77)	21,600 (6.33)	23,700 (6.95)	25,800 (7.56)	28,100 (8.24)
HD*Z-0250MK[ JD( )-D	YB15KSE	12,300 (3.6)	13,700 (4.02)	15,300 (4.48)	16,900 (4.95)	18,700 (5.48)	20,600 (6.04)	22,600 (6.62)	24,800 (7.27)	27,100 (7.94)	29,600 (8.68)
HD*Z-0300MK[ JB( )-D	YB20KSE	15,100 (4.43)	16,800 (4.92)	18,500 (5.42)	20,400 (5.98)	22,500 (6.59)	24,600 (7.21)	26,900 (7.88)	29,300 (8.59)	31,900 (9.35)	34,500 (10.11)
HD*Z-0300MK[ JD( )-D	YB20KSE	15,700 (4.6)	17,400 (5.1)	19,300 (5.66)	21,400 (6.27)	23,600 (6.92)	26,000 (7.62)	28,500 (8.35)	31,200 (9.14)	34,000 (9.96)	37,000 (10.84)

\* Base Type  
 [ ] Voltage  
 ( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Scroll with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0350MK[ ]B( )-D	YB23KSE	17,200 (5.04)	19,100 (5.60)	21,000 (6.15)	23,200 (6.80)	25,400 (7.44)	27,800 (8.15)	30,400 (8.91)	33,000 (9.67)	35,800 (10.49)	38,700 (11.34)
HD*Z-0350MK[ ]D( )-D	YB23KSE	18,000 (5.28)	20,000 (5.86)	22,100 (6.48)	24,500 (7.18)	27,000 (7.91)	29,600 (8.68)	32,500 (9.53)	35,500 (10.40)	38,700 (11.34)	42,000 (12.31)
HD*Z-0400MK[ ]B( )-D	YB28KAE	20,000 (5.86)	22,100 (6.48)	24,300 (7.12)	26,700 (7.83)	29,200 (8.56)	31,800 (9.32)	34,600 (10.14)	37,500 (10.99)	40,500 (11.87)	43,500 (12.75)
HD*Z-0400MK[ ]D( )-D	YB28KAE	21,000 (6.15)	23,300 (6.83)	25,800 (7.56)	28,400 (8.32)	31,300 (9.17)	34,300 (10.05)	37,500 (10.99)	40,800 (11.96)	44,400 (13.01)	48,100 (14.10)
HD*Z-0500MK[ ]D( )-D	YB34KAE	25,400 (7.44)	28,100 (8.24)	31,000 (9.09)	34,200 (10.02)	37,500 (10.99)	41,000 (12.02)	44,700 (13.10)	48,600 (14.24)	52,700 (15.45)	56,900 (16.68)
HD*Z-0500MK[ ]F( )-D	YB34KAE	26,900 (7.88)	30,000 (8.79)	33,300 (9.76)	36,900 (10.81)	40,700 (11.93)	44,800 (13.13)	49,200 (14.42)	53,800 (15.77)	58,700 (17.20)	64,000 (18.76)
HD*Z-0600MK[ ]F( )-D	YB44KAE	34,900 (10.23)	38,800 (11.37)	43,000 (12.60)	47,500 (13.92)	52,300 (15.33)	57,500 (16.85)	63,000 (18.46)	68,800 (20.16)	75,100 (22.01)	81,600 (23.92)
HD*Z-0600MK[ ]J( )-D	YB44KAE	35,500 (10.40)	39,400 (11.55)	43,700 (12.81)	48,400 (14.19)	53,400 (15.65)	58,700 (17.20)	64,500 (18.90)	70,600 (20.69)	77,100 (22.60)	84,000 (24.62)
HD*Z-0601MK[ ]D( )-D	YB44KAE	29,600 (8.68)	32,700 (9.58)	36,000 (10.55)	39,500 (11.58)	43,200 (12.66)	47,100 (13.80)	51,200 (15.01)	55,600 (16.30)	60,100 (17.61)	64,800 (18.99)
HD*Z-0601MK[ ]F( )-D	YB44KAE	31,900 (9.35)	35,400 (10.38)	39,200 (11.49)	43,400 (12.72)	47,800 (14.01)	52,500 (15.39)	57,600 (16.88)	63,000 (18.46)	68,800 (20.16)	74,900 (21.95)
HD*Z-0750MK[ ]F( )-D	YB51KAE	40,600 (11.90)	45,100 (13.22)	49,900 (14.62)	55,100 (16.15)	60,600 (17.76)	66,500 (19.49)	72,800 (21.34)	79,400 (23.27)	86,500 (25.35)	93,900 (27.52)
HD*Z-0750MK[ ]J( )-D	YB51KAE	41,300 (12.10)	45,900 (13.45)	50,900 (14.92)	56,300 (16.50)	62,100 (18.20)	68,300 (20.02)	74,900 (21.95)	81,900 (24.00)	89,400 (26.20)	97,300 (28.52)
HD*Z-0751MK[ ]F( )-D	YB51KAE	39,800 (11.66)	44,100 (12.92)	48,800 (14.30)	53,800 (15.77)	59,100 (17.32)	64,800 (18.99)	70,800 (20.75)	77,100 (22.60)	83,900 (24.59)	90,900 (26.64)
HD*Z-0751MK[ ]J( )-D	YB51KAE	40,400 (11.84)	44,900 (13.16)	49,700 (14.57)	54,900 (16.09)	60,500 (17.73)	66,400 (19.46)	72,700 (21.31)	79,400 (23.27)	86,500 (25.35)	94,000 (27.55)
HD*Z-1000MK[ ]F( )-D	YB68KAE	52,500 (15.39)	58,200 (17.06)	64,300 (18.85)	70,800 (20.75)	77,700 (22.77)	85,000 (24.91)	92,800 (27.20)	101,000 (29.60)	109,500 (32.09)	118,500 (34.73)
HD*Z-1000MK[ ]J( )-D	YB68KAE	53,800 (15.77)	59,700 (17.50)	66,100 (19.37)	73,000 (21.40)	80,300 (23.53)	88,100 (25.82)	96,400 (28.25)	105,200 (30.83)	114,500 (33.56)	124,200 (36.40)
HD*Z-1300MK[ ]J( )-D	YB83KAE	64,900 (19.02)	71,800 (21.04)	79,300 (23.24)	87,300 (25.59)	95,900 (28.11)	104,900 (30.74)	114,600 (33.59)	124,700 (36.55)	135,400 (39.68)	146,700 (43.00)
HD*Z-1500MK[ ]J( )-D	YB100KAE	76,000 (22.27)	84,000 (24.62)	92,500 (27.11)	101,600 (29.78)	111,200 (32.59)	121,300 (35.55)	132,000 (38.69)	143,300 (42.00)	155,000 (45.43)	167,300 (49.03)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0080MKI JA( )-A	YB06KAE	3,900 (1.14)	4,400 (1.29)	4,900 (1.44)	5,500 (1.61)	6,100 (1.79)	6,700 (1.96)	7,400 (2.17)	8,200 (2.4)	9,000 (2.64)	9,800 (2.87)
HD*Z-0080MKI JB( )-A	YB06KAE	4,000 (1.17)	4,500 (1.32)	5,000 (1.47)	5,600 (1.64)	6,200 (1.82)	6,900 (2.02)	7,700 (2.26)	8,500 (2.49)	9,300 (2.73)	10,200 (2.99)
HD*Z-0100MKI JA( )-A	YB07KAE	4,700 (1.38)	5,300 (1.55)	5,900 (1.73)	6,500 (1.91)	7,200 (2.11)	8,000 (2.34)	8,800 (2.58)	9,700 (2.84)	10,600 (3.11)	11,600 (3.4)
HD*Z-0100MKI JB( )-A	YB07KAE	4,800 (1.41)	5,400 (1.58)	6,100 (1.79)	6,700 (1.96)	7,500 (2.2)	8,300 (2.43)	9,200 (2.7)	10,100 (2.96)	11,100 (3.25)	12,200 (3.58)
HD*Z-0120MKI JA( )-A	YB08KAE	5,500 (1.61)	6,100 (1.79)	6,800 (1.99)	7,500 (2.2)	8,300 (2.43)	9,200 (2.7)	10,100 (2.96)	11,100 (3.25)	12,200 (3.58)	13,300 (3.9)
HD*Z-0120MKI JB( )-A	YB08KAE	5,600 (1.64)	6,300 (1.85)	7,000 (2.05)	7,800 (2.29)	8,700 (2.55)	9,600 (2.81)	10,600 (3.11)	11,700 (3.43)	12,800 (3.75)	14,100 (4.13)
HD*Z-0130MKI JA( )-A	YS09KAE	6,100 (1.79)	6,800 (1.99)	7,500 (2.2)	8,300 (2.43)	9,200 (2.7)	10,200 (2.99)	11,200 (3.28)	12,300 (3.6)	13,400 (3.93)	14,600 (4.28)
HD*Z-0130MKI JB( )-D	YS09KAE	6,300 (1.85)	7,000 (2.05)	7,800 (2.29)	8,700 (2.55)	9,600 (2.81)	10,700 (3.14)	11,800 (3.46)	12,900 (3.78)	14,200 (4.16)	15,500 (4.54)
HD*Z-0150MKI JA( )-D	YS11KAE	7,100 (2.08)	7,900 (2.32)	8,700 (2.55)	9,700 (2.84)	10,700 (3.14)	11,700 (3.43)	12,900 (3.78)	14,100 (4.13)	15,400 (4.51)	16,800 (4.92)
HD*Z-0150MKI JB( )-D	YS11KAE	7,300 (2.14)	8,200 (2.4)	9,100 (2.67)	10,100 (2.96)	11,200 (3.28)	12,400 (3.63)	13,700 (4.02)	15,000 (4.4)	16,500 (4.84)	18,000 (5.28)
HD*Z-0180MKI JA( )-D	YS12KAE	8,100 (2.37)	9,000 (2.64)	9,900 (2.9)	11,000 (3.22)	12,100 (3.55)	13,300 (3.9)	14,500 (4.25)	15,900 (4.66)	17,300 (5.07)	18,700 (5.48)
HD*Z-0180MKI JB( )-D	YS12KAE	8,400 (2.46)	9,400 (2.75)	10,500 (3.08)	11,600 (3.4)	12,800 (3.75)	14,200 (4.16)	15,600 (4.57)	17,100 (5.01)	18,700 (5.48)	20,400 (5.98)
HD*Z-0200MKI JB( )-D	YB14KSE	9,700 (2.84)	10,800 (3.17)	11,900 (3.49)	13,200 (3.87)	14,600 (4.28)	16,100 (4.72)	17,700 (5.19)	19,400 (5.69)	21,200 (6.21)	23,200 (6.8)
HD*Z-0200MKI JD( )-D	YB14KSE	9,900 (2.9)	11,100 (3.25)	12,300 (3.6)	13,700 (4.02)	15,100 (4.43)	16,700 (4.89)	18,400 (5.39)	20,300 (5.95)	22,200 (6.51)	24,400 (7.15)
HD*Z-0250MKI JB( )-D	YB15KSE	11,200 (3.28)	12,400 (3.63)	13,700 (4.02)	15,100 (4.43)	16,700 (4.89)	18,300 (5.36)	20,100 (5.89)	22,000 (6.45)	24,000 (7.03)	26,100 (7.65)
HD*Z-0250MKI JD( )-D	YB15KSE	11,500 (3.37)	12,800 (3.75)	14,200 (4.16)	15,700 (4.60)	17,400 (5.1)	19,100 (5.60)	21,100 (6.18)	23,100 (6.77)	25,300 (7.42)	27,600 (8.09)
HD*Z-0300MKI JB( )-D	YB20KSE	14,000 (4.1)	15,500 (4.54)	17,200 (5.04)	18,900 (5.54)	20,800 (6.1)	22,800 (6.68)	24,900 (7.3)	27,100 (7.94)	29,400 (8.62)	31,900 (9.35)
HD*Z-0300MKI JD( )-D	YB20KSE	14,600 (4.28)	16,200 (4.75)	18,000 (5.28)	19,900 (5.83)	21,900 (6.42)	24,100 (7.06)	26,500 (7.77)	29,000 (8.5)	31,600 (9.26)	34,400 (10.08)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Scroll with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*Z-0350MK[ JB( )-D	YB23KSE	15,900 (4.66)	17,600 (5.16)	19,400 (5.69)	21,400 (6.27)	23,500 (6.89)	25,700 (7.53)	28,000 (8.21)	30,400 (8.91)	33,000 (9.67)	35,700 (10.46)
HD*Z-0350MK[ JD( )-D	YB23KSE	16,700 (4.89)	18,500 (5.42)	20,500 (6.01)	22,700 (6.65)	25,000 (7.33)	27,500 (8.06)	30,200 (8.85)	33,000 (9.67)	35,900 (10.52)	39,100 (11.46)
HD*Z-0400MK[ JB( )-D	YB28KAE	18,500 (5.42)	20,400 (5.98)	22,400 (6.57)	24,600 (7.21)	26,800 (7.85)	29,200 (8.56)	31,700 (9.29)	34,400 (10.08)	37,200 (10.90)	N/A
HD*Z-0400MK[ JD( )-D	YB28KAE	19,500 (5.72)	21,700 (6.36)	23,900 (7)	26,400 (7.74)	29,000 (8.5)	31,800 (9.32)	34,700 (10.17)	37,800 (11.08)	41,100 (12.05)	44,600 (13.07)
HD*Z-0500MK[ JD( )-D	YB34KAE	23,500 (6.89)	26,000 (7.62)	28,700 (8.41)	31,600 (9.26)	34,600 (10.14)	37,900 (11.11)	41,300 (12.1)	44,800 (13.13)	48,600 (14.24)	52,500 (15.39)
HD*Z-0500MK[ JF( )-D	YB34KAE	25,100 (7.36)	27,900 (8.18)	31,000 (9.09)	34,300 (10.05)	37,900 (11.11)	41,700 (12.22)	45,800 (13.42)	50,100 (14.68)	54,800 (16.06)	59,600 (17.47)
HD*Z-0600MK[ JF( )-D	YB44KAE	32,600 (9.55)	36,100 (10.58)	40,000 (11.72)	44,200 (12.95)	48,700 (14.27)	53,500 (15.68)	58,600 (17.17)	64,100 (18.79)	69,900 (20.49)	76,000 (22.27)
HD*Z-0600MK[ JJ( )-D	YB44KAE	33,100 (9.7)	36,800 (10.79)	40,800 (11.96)	45,100 (13.22)	49,700 (14.57)	54,700 (16.03)	60,100 (17.61)	65,800 (19.28)	71,900 (21.07)	78,400 (22.98)
HD*Z-0601MK[ JD( )-D	YB44KAE	27,400 (8.03)	30,200 (8.85)	33,200 (9.73)	36,400 (10.67)	39,700 (11.64)	43,300 (12.69)	47,100 (13.80)	51,000 (14.95)	55,200 (16.18)	59,600 (17.47)
HD*Z-0601MK[ JF( )-D	YB44KAE	29,600 (8.68)	32,900 (9.64)	36,500 (10.7)	40,300 (11.81)	44,400 (13.01)	48,800 (14.3)	53,500 (15.68)	58,600 (17.17)	63,900 (18.73)	69,600 (20.4)
HD*Z-0750MK[ JF( )-D	YB51KAE	37,700 (11.05)	41,800 (12.25)	46,300 (13.57)	51,100 (14.98)	56,200 (16.47)	61,700 (18.08)	67,500 (19.78)	73,700 (21.6)	80,200 (23.51)	87,100 (25.53)
HD*Z-0750MK[ JJ( )-D	YB51KAE	38,400 (11.25)	42,700 (12.51)	47,400 (13.89)	52,300 (15.33)	57,700 (16.91)	63,500 (18.61)	69,600 (20.4)	76,100 (22.3)	83,100 (24.36)	90,500 (26.52)
HD*Z-0751MK[ JF( )-D	YB51KAE	37,000 (10.84)	41,100 (12.05)	45,400 (13.31)	50,000 (14.65)	55,000 (16.12)	60,200 (17.64)	65,800 (19.28)	71,800 (21.04)	78,000 (22.86)	84,600 (24.79)
HD*Z-0751MK[ JJ( )-D	YB51KAE	37,700 (11.05)	41,900 (12.28)	46,400 (13.6)	51,200 (15.01)	56,400 (16.53)	61,900 (18.14)	67,800 (19.87)	74,000 (21.69)	80,600 (23.62)	87,600 (25.67)
HD*Z-1000MK[ JF( )-D	YB68KAE	48,600 (14.24)	53,800 (15.77)	59,400 (17.41)	65,400 (19.17)	71,800 (21.04)	78,600 (23.04)	85,800 (25.15)	93,200 (27.32)	101,100 (29.63)	109,500 (32.09)
HD*Z-1000MK[ JJ( )-D	YB68KAE	49,900 (14.62)	55,400 (16.24)	61,300 (17.97)	67,700 (19.84)	74,500 (21.83)	81,700 (23.94)	89,500 (26.23)	97,600 (28.6)	106,200 (31.13)	115,300 (33.79)
HD*Z-1300MK[ JJ( )-D	YB83KAE	60,100 (17.61)	66,400 (19.46)	73,300 (21.48)	80,600 (23.62)	88,500 (25.94)	96,900 (28.4)	105,800 (31.01)	115,100 (33.73)	124,800 (36.58)	135,300 (39.65)
HD*Z-1500MK[ JJ( )-D	YB100KAE	70,300 (20.6)	77,600 (22.74)	85,400 (25.03)	93,700 (27.46)	102,500 (30.04)	111,600 (32.71)	121,400 (35.58)	131,700 (38.6)	142,600 (41.79)	153,900 (45.11)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Scroll with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*Z-0080MK[ JA( )-A	YB06KAE	A / Small	1/2	7/8	B
HD*Z-0080MK[ JB( )-A	YB06KAE	B / Medium	1/2	7/8	C
HD*Z-0100MK[ JA( )-A	YB07KAE	A / Small	1/2	7/8	B
HD*Z-0100MK[ JB( )-A	YB07KAE	B / Medium	1/2	7/8	C
HD*Z-0120MK[ JA( )-A	YB08KAE	A / Small	1/2	7/8	B
HD*Z-0120MK[ JB( )-A	YB08KAE	B / Medium	1/2	7/8	C
HD*Z-0130MK[ JA( )-A	YS09KAE	A / Small	1/2	7/8	B
HD*Z-0130MK[ JB( )-D	YS09KAE	B / Medium	1/2	7/8	C
HD*Z-0150MK[ JA( )-D	YS11KAE	A / Small	1/2	7/8	B
HD*Z-0150MK[ JB( )-D	YS11KAE	B / Medium	1/2	7/8	C
HD*Z-0180MK[ JA( )-D	YS12KAE	A / Small	1/2	7/8	B
HD*Z-0180MK[ JB( )-D	YS12KAE	B / Medium	1/2	7/8	C
HD*Z-0200MK[ JB( )-D	YB14KSE	B / Medium	1/2	7/8	C
HD*Z-0200MK[ JD( )-D	YB14KSE	D / Medium	1/2	7/8	E
HD*Z-0250MK[ JB( )-D	YB15KSE	B / Medium	1/2	7/8	C
HD*Z-0250MK[ JD( )-D	YB15KSE	D / Medium	1/2	7/8	E
HD*Z-0300MK[ JB( )-D	YB20KSE	B / Medium	1/2	7/8	C
HD*Z-0300MK[ JD( )-D	YB20KSE	D / Medium	1/2	7/8	E
HD*Z-0350MK[ JB( )-D	YB23KSE	B / Medium	1/2	7/8	C
HD*Z-0350MK[ JD( )-D	YB23KSE	D / Medium	1/2	7/8	E
HD*Z-0400MK[ JB( )-D	YB28KAE	B / Medium	5/8	7/8	C
HD*Z-0400MK[ JD( )-D	YB28KAE	D / Medium	5/8	7/8	E
HD*Z-0500MK[ JD( )-D	YB34KAE	D / Medium	5/8	7/8	E
HD*Z-0500MK[ JF( )-D	YB34KAE	F / Large	5/8	7/8	F
HD*Z-0601MK[ JD( )-D	YB44KAE	D / Medium	5/8	7/8	E
HD*Z-0601MK[ JF( )-D	YB44KAE	F / Large	5/8	7/8	F
HD*Z-0600MK[ JF( )-D	YB40KAE	F / Large	5/8	7/8	F
HD*Z-0600MK[ JJ( )-D	YB40KAE	J / Extra Large	5/8	7/8	H
HD*Z-0751MK[ JF( )-D	YB51KAE	F / Large	5/8	1-1/8	F
HD*Z-0751MK[ JJ( )-D	YB51KAE	J / Extra Large	5/8	1-1/8	H
HD*Z-0750MK[ JF( )-D	YB50KAE	F / Large	5/8	1-3/8	F
HD*Z-0750MK[ JJ( )-D	YB50KAE	J / Extra Large	5/8	1-3/8	H
HD*Z-1000MK[ JF( )-D	YB68KAE	F / Large	5/8	1-3/8	F
HD*Z-1000MK[ JJ( )-D	YB68KAE	J / Extra Large	5/8	1-3/8	H
HD*Z-1300MK[ JJ( )-D	YB83KAE	J / Extra Large	7/8	1-3/8	H
HD*Z-1500MK[ JJ( )-D	YB100KAE	J / Extra Large	7/8	1-3/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454A Electrical, Capacity, and Configuration Data

#### Low Temperature Copeland Discus with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*D-0300LD[ ]B( )-D	2YF3F13KE	3.15	14.4	1.2	22.2	35	7.1	0.7	11.1	15
HD*D-0300LD[ ]D( )-D	2YF3F13KE	3.15	14.4	2.1	23.1	35	7.1	1.3	11.7	15
HD*D-0400LD[ ]B( )-D	2YL3F15KE	3.15	23.6	1.2	33.7	50	9.2	0.7	13.7	20
HD*D-0400LD[ ]D( )-D	2YL3F15KE	3.15	23.6	2.1	34.6	50	9.2	1.3	14.3	20
HD*D-0600LD[ ]B( )-D	2YB3F18KE	3.15	25.3	1.2	35.8	60	11.9	0.7	17.1	25
HD*D-0600LD[ ]D( )-D	2YB3F18KE	3.15	25.3	2.1	36.7	60	11.9	1.3	17.7	25
HD*D-0601LD[ ]B( )-D	3YA3F21KE	3.15	24	1.2	34.2	50	10.8	0.7	15.7	25
HD*D-0601LD[ ]D( )-D	3YA3F21KE	3.15	24	2.1	35.1	50	10.8	1.3	16.3	25
HD*D-0750LD[ ]D( )-D	3YB3F24KE	3.15	27.6	2.1	39.6	60	14.1	1.3	20.4	30
HD*D-0750LD[ ]F( )-D	3YB3F24KE	3.15	27.6	3.2	40.7	60	14.1	1.9	21	35
HD*D-0900LD[ ]F( )-D	3YF3F29KE	3.15	33.2	3.2	47.7	80	15	1.9	22.2	35
HD*D-0900LD[ ]J( )-D	3YF3F29KE	3.15	33.2	4.2	48.7	80	15	2.5	22.8	35
HD*D-1000LD[ ]F( )-D	3YS3F33KE	3.15	37.2	3.2	52.7	80	16.7	1.9	24.3	40
HD*D-1000LD[ ]J( )-D	3YS3F33KE	3.15	37.2	4.2	53.7	90	16.7	2.5	24.9	40
HD*D-1500LD[ ]J( )-D	4YHNF46KE	3.15	47.2	4.2	66.2	110	23.6	2.5	33.5	50
HD*D-2200LD[ ]F( )-A	4YJNF59KE	N/A	57.7	3.2	78.3	125	28.8	1.9	39.4	60
HD*D-2200LD[ ]J( )-D	4YJNF59KE	3.15	57.7	4.2	79.3	125	28.8	2.5	40	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*D-0300LD[ ]B( )-D	2YF3F13KE	11,100 (3.25)	12,900 (3.78)	15,000 (4.4)	17,300 (5.07)	19,800 (5.8)	22,500 (6.59)	25,400 (7.44)	28,500 (8.35)	31,800 (9.32)
HD*D-0300LD[ ]D( )-D	2YF3F13KE	11,600 (3.40)	13,600 (3.99)	15,900 (4.66)	18,400 (5.39)	21,100 (6.18)	24,200 (7.09)	27,500 (8.06)	31,000 (9.09)	34,900 (10.23)
HD*D-0400LD[ ]B( )-D	2YL3F15KE	12,200 (3.58)	14,200 (4.16)	16,500 (4.84)	18,900 (5.54)	21,600 (6.33)	24,500 (7.18)	27,600 (8.09)	30,800 (9.03)	34,200 (10.02)
HD*D-0400LD[ ]D( )-D	2YL3F15KE	12,800 (3.75)	15,100 (4.43)	17,500 (5.13)	20,300 (5.95)	23,300 (6.83)	26,600 (7.80)	30,200 (8.85)	34,000 (9.96)	38,100 (11.17)
HD*D-0600LD[ ]B( )-D	2YB3F18KE	14,000 (4.1)	16,300 (4.78)	18,900 (5.54)	21,700 (6.36)	24,700 (7.24)	27,900 (8.18)	31,200 (9.14)	N/A	N/A
HD*D-0600LD[ ]D( )-D	2YB3F18KE	14,900 (4.37)	17,500 (5.13)	20,400 (5.98)	23,600 (6.92)	27,000 (7.91)	30,800 (9.03)	34,800 (10.20)	39,000 (11.43)	43,400 (12.72)
HD*D-0601LD[ ]B( )-D	3YA3F21KE	15,700 (4.6)	18,300 (5.36)	21,100 (6.18)	24,100 (7.06)	27,400 (8.03)	30,800 (9.03)	N/A	N/A	N/A
HD*D-0601LD[ ]D( )-D	3YA3F21KE	16,900 (4.95)	19,800 (5.80)	23,000 (6.74)	26,500 (7.77)	30,400 (8.91)	34,500 (10.11)	38,900 (11.40)	43,500 (12.75)	48,400 (14.19)
HD*D-0750LD[ ]D( )-D	3YB3F24KE	19,400 (5.69)	22,800 (6.68)	26,500 (7.77)	30,400 (8.91)	34,700 (10.17)	39,300 (11.52)	44,100 (12.92)	49,200 (14.42)	N/A
HD*D-0750LD[ ]F( )-D	3YB3F24KE	21,200 (6.21)	25,000 (7.33)	29,400 (8.62)	34,100 (9.99)	39,400 (11.55)	45,000 (13.19)	51,100 (14.98)	57,600 (16.88)	64,500 (18.9)
HD*D-0900LD[ ]F( )-D	3YF3F29KE	25,100 (7.36)	29,700 (8.7)	34,700 (10.17)	40,200 (11.78)	46,200 (13.54)	52,700 (15.45)	59,600 (17.47)	67,000 (19.64)	74,800 (21.92)
HD*D-0900LD[ ]J( )-D	3YF3F29KE	25,700 (7.53)	30,400 (8.91)	35,600 (10.43)	41,300 (12.1)	47,600 (13.95)	54,400 (15.94)	61,700 (18.08)	69,500 (20.37)	77,800 (22.8)
HD*D-1000LD[ ]F( )-D	3YS3F33KE	27,800 (8.15)	32,800 (9.61)	38,300 (11.23)	44,200 (12.95)	50,700 (14.86)	57,700 (16.91)	65,100 (19.08)	73,000 (21.4)	81,300 (23.83)
HD*D-1000LD[ ]J( )-D	3YS3F33KE	28,400 (8.32)	33,600 (9.85)	39,300 (11.52)	45,600 (13.36)	52,400 (15.36)	59,800 (17.53)	67,700 (19.84)	76,100 (22.3)	85,000 (24.91)
HD*D-1500LD[ ]J( )-D	4YHNF46KE	39,200 (11.49)	46,200 (13.54)	53,800 (15.77)	62,100 (18.2)	71,100 (20.84)	80,600 (23.62)	90,700 (26.58)	101,200 (29.66)	112,200 (32.88)
HD*D-2200LD[ ]F( )-A	4YJNF59KE	46,100 (13.51)	53,700 (15.74)	62,000 (18.17)	70,800 (20.75)	80,300 (23.53)	90,200 (26.44)	100,500 (29.45)	N/A	N/A
HD*D-2200LD[ ]J( )-D	4YJNF59KE	47,900 (14.04)	56,000 (16.41)	64,900 (19.02)	74,600 (21.86)	84,900 (24.88)	95,800 (28.08)	107,400 (31.48)	119,400 (34.99)	132,000 (38.69)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Copeland Discus with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*D-0300LD[ JB( )-D	2YF3F13KE	9,900 (2.9)	11,700 (3.43)	13,600 (3.99)	15,700 (4.60)	18,000 (5.28)	20,500 (6.01)	23,200 (6.8)	N/A	N/A
HD*D-0300LD[ JD( )-D	2YF3F13KE	10,400 (3.05)	12,300 (3.6)	14,400 (4.22)	16,700 (4.89)	19,300 (5.66)	22,100 (6.48)	25,100 (7.36)	28,500 (8.35)	32,100 (9.41)
HD*D-0400LD[ JB( )-D	2YL3F15KE	10,900 (3.19)	12,800 (3.75)	14,800 (4.34)	17,100 (5.01)	19,600 (5.74)	22,200 (6.51)	N/A	N/A	N/A
HD*D-0400LD[ JD( )-D	2YL3F15KE	11,500 (3.37)	13,600 (3.99)	15,800 (4.63)	18,400 (5.39)	21,200 (6.21)	24,200 (7.09)	27,500 (8.06)	31,100 (9.11)	34,900 (10.23)
HD*D-0600LD[ JB( )-D	2YB3F18KE	12,500 (3.66)	14,600 (4.28)	17,000 (4.98)	19,500 (5.72)	N/A	N/A	N/A	N/A	N/A
HD*D-0600LD[ JD( )-D	2YB3F18KE	13,400 (3.93)	15,700 (4.6)	18,400 (5.39)	21,300 (6.24)	24,500 (7.18)	28,000 (8.21)	31,600 (9.26)	35,600 (10.43)	N/A
HD*D-0601LD[ JB( )-D	3YA3F21KE	14,100 (4.13)	16,400 (4.81)	19,000 (5.57)	N/A	N/A	N/A	N/A	N/A	N/A
HD*D-0601LD[ JD( )-D	3YA3F21KE	15,100 (4.43)	17,800 (5.22)	20,700 (6.07)	24,000 (7.03)	27,500 (8.06)	31,300 (9.17)	N/A	N/A	N/A
HD*D-0750LD[ JD( )-D	3YB3F24KE	17,500 (5.13)	20,500 (6.01)	23,900 (7)	27,500 (8.06)	31,500 (9.23)	N/A	N/A	N/A	N/A
HD*D-0750LD[ JF( )-D	3YB3F24KE	19,000 (5.57)	22,500 (6.59)	26,500 (7.77)	30,900 (9.06)	35,800 (10.49)	41,000 (12.02)	46,700 (13.69)	52,800 (15.47)	59,200 (17.35)
HD*D-0900LD[ JF( )-D	3YF3F29KE	22,600 (6.62)	26,700 (7.83)	31,400 (9.2)	36,400 (10.67)	42,000 (12.31)	47,900 (14.04)	54,400 (15.94)	61,200 (17.94)	68,500 (20.08)
HD*D-0900LD[ J( )-D	3YF3F29KE	23,000 (6.74)	27,400 (8.03)	32,200 (9.44)	37,500 (10.99)	43,300 (12.69)	49,600 (14.54)	56,400 (16.53)	63,600 (18.64)	71,400 (20.93)
HD*D-1000LD[ JF( )-D	3YS3F33KE	24,900 (7.30)	29,500 (8.65)	34,600 (10.14)	40,100 (11.75)	46,100 (13.51)	52,500 (15.39)	59,400 (17.41)	66,700 (19.55)	74,400 (21.81)
HD*D-1000LD[ J( )-D	3YS3F33KE	25,500 (7.47)	30,300 (8.88)	35,500 (10.4)	41,300 (12.1)	47,600 (13.95)	54,500 (15.97)	61,800 (18.11)	69,600 (20.4)	78,000 (22.86)
HD*D-1500LD[ J( )-D	4YHNF46KE	35,100 (10.29)	41,500 (12.16)	48,600 (14.24)	56,300 (16.5)	64,500 (18.90)	73,400 (21.51)	82,700 (24.24)	92,400 (27.08)	N/A
HD*D-2200LD[ JF( )-A	4YJNF59KE	41,400 (12.13)	48,300 (14.16)	55,900 (16.38)	64,000 (18.76)	N/A	N/A	N/A	N/A	N/A
HD*D-2200LD[ J( )-D	4YJNF59KE	43,000 (12.6)	50,500 (14.8)	58,600 (17.17)	67,500 (19.78)	77,000 (22.57)	87,100 (25.53)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*D-0300LD[ ]B( )-D	2YF3F13KE	B / Medium	1/2	1-3/8	C
HD*D-0300LD[ ]D( )-D	2YF3F13KE	D / Medium	1/2	1-3/8	E
HD*D-0400LD[ ]B( )-D	2YL3F15KE	B / Medium	5/8	1-3/8	C
HD*D-0400LD[ ]D( )-D	2YL3F15KE	D / Medium	5/8	1-3/8	E
HD*D-0600LD[ ]B( )-D	2YB3F18KE	B / Medium	5/8	1-3/8	C
HD*D-0600LD[ ]D( )-D	2YB3F18KE	D / Medium	5/8	1-3/8	E
HD*D-0601LD[ ]B( )-D	3YA3F21KE	B / Medium	5/8	1-3/8	C
HD*D-0601LD[ ]D( )-D	3YA3F21KE	D / Medium	5/8	1-3/8	E
HD*D-0750LD[ ]D( )-D	3YB3F24KE	D / Medium	5/8	1-3/8	E
HD*D-0750LD[ ]F( )-D	3YB3F24KE	F / Large	5/8	1-3/8	F
HD*D-0900LD[ ]F( )-D	3YF3F29KE	F / Large	5/8	1-3/8	F
HD*D-0900LD[ ]J( )-D	3YF3F29KE	J / Extra Large	5/8	1-3/8	H
HD*D-1000LD[ ]F( )-D	3YS3F33KE	F / Large	5/8	1-3/8	F
HD*D-1000LD[ ]J( )-D	3YS3F33KE	J / Extra Large	5/8	1-3/8	H
HD*D-1500LD[ ]J( )-D	4YHNF46KE	J / Extra Large	7/8	1-5/8	H
HD*D-2200LD[ ]F( )-A	4YJNF59KE	F / Large	7/8	2-1/8	F
HD*D-2200LD[ ]J( )-D	4YJNF59KE	J / Extra Large	7/8	2-1/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454C Electrical, Capacity, and Configuration Data

#### Low Temperature Copeland Discus with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*D-0300LK[ ]B( )-D	2YF3F13KE	3.15	14.4	1.2	22.2	35	7.1	0.7	11.1	15
HD*D-0300LK[ ]D( )-D	2YF3F13KE	3.15	14.4	2.1	23.1	35	7.1	1.3	11.7	15
HD*D-0400LK[ ]B( )-D	2YL3F15KE	3.15	23.6	1.2	33.7	50	9.2	0.7	13.7	20
HD*D-0400LK[ ]D( )-D	2YL3F15KE	3.15	23.6	2.1	34.6	50	9.2	1.3	14.3	20
HD*D-0600LK[ ]B( )-D	2YB3F18KE	3.15	25.3	1.2	35.8	60	11.9	0.7	17.1	25
HD*D-0600LK[ ]D( )-D	2YB3F18KE	3.15	25.3	2.1	36.7	60	11.9	1.3	17.7	25
HD*D-0601LK[ ]B( )-D	3YA3F21KE	3.15	24	1.2	34.2	50	10.8	0.7	15.7	25
HD*D-0601LK[ ]D( )-D	3YA3F21KE	3.15	24	2.1	35.1	50	10.8	1.3	16.3	25
HD*D-0750LK[ ]D( )-D	3YB3F24KE	3.15	27.6	2.1	39.6	60	14.1	1.3	20.4	30
HD*D-0750LK[ ]F( )-D	3YB3F24KE	3.15	27.6	3.2	40.7	60	14.1	1.9	21	35
HD*D-0900LK[ ]F( )-D	3YF3F29KE	3.15	33.2	3.2	47.7	80	15	1.9	22.2	35
HD*D-0900LK[ ]J( )-D	3YF3F29KE	3.15	33.2	4.2	48.7	80	15	2.5	22.8	35
HD*D-1000LK[ ]F( )-D	3YS3F33KE	3.15	37.2	3.2	52.7	80	16.7	1.9	24.3	40
HD*D-1000LK[ ]J( )-D	3YS3F33KE	3.15	37.2	4.2	53.7	90	16.7	2.5	24.9	40
HD*D-1500LK[ ]J( )-D	4YHNF46KE	3.15	47.2	4.2	66.2	110	23.6	2.5	33.5	50
HD*D-2200LK[ ]F( )-D	4YJNF59KE	3.15	57.7	3.2	78.3	125	28.8	1.9	39.4	60
HD*D-2200LK[ ]J( )-D	4YJNF59KE	3.15	57.7	4.2	79.3	125	28.8	2.5	40	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*D-0300LK[ JB( )-D	2YF3F13KE	9,700 (2.84)	11,300 (3.31)	13,100 (3.84)	15,200 (4.45)	17,400 (5.1)	19,800 (5.8)	22,400 (6.57)	25,100 (7.36)	28,000 (8.21)
HD*D-0300LK[ JD( )-D	2YF3F13KE	10,100 (2.96)	11,800 (3.46)	13,800 (4.04)	16,000 (4.69)	18,400 (5.39)	21,100 (6.18)	24,000 (7.03)	27,100 (7.94)	30,400 (8.91)
HD*D-0400LK[ JB( )-D	2YL3F15KE	10,700 (3.14)	12,500 (3.66)	14,500 (4.25)	16,700 (4.89)	19,100 (5.6)	21,700 (6.36)	24,500 (7.18)	27,400 (8.03)	30,500 (8.94)
HD*D-0400LK[ JD( )-D	2YL3F15KE	11,200 (3.28)	13,100 (3.84)	15,300 (4.48)	17,700 (5.19)	20,400 (5.98)	23,400 (6.86)	26,500 (7.77)	29,900 (8.76)	33,500 (9.82)
HD*D-0600LK[ JB( )-D	2YB3F18KE	12,400 (3.63)	14,400 (4.22)	16,700 (4.89)	19,200 (5.63)	21,900 (6.42)	24,800 (7.27)	27,900 (8.18)	31,000 (9.09)	34,300 (10.05)
HD*D-0600LK[ JD( )-D	2YB3F18KE	13,000 (3.81)	15,300 (4.48)	17,800 (5.22)	20,600 (6.04)	23,700 (6.95)	27,000 (7.91)	30,600 (8.97)	34,300 (10.05)	38,200 (11.2)
HD*D-0601LK[ JB( )-D	3YA3F21KE	13,900 (4.07)	16,200 (4.75)	18,700 (5.48)	21,500 (6.3)	24,400 (7.15)	27,500 (8.06)	30,800 (9.03)	N/A	N/A
HD*D-0601LK[ JD( )-D	3YA3F21KE	14,800 (4.34)	17,300 (5.07)	20,200 (5.92)	23,300 (6.83)	26,700 (7.83)	30,400 (8.91)	34,300 (10.05)	38,400 (11.25)	42,700 (12.51)
HD*D-0750LK[ JD( )-D	3YB3F24KE	17,100 (5.01)	20,000 (5.86)	23,200 (6.8)	26,700 (7.83)	30,600 (8.97)	34,800 (10.2)	39,200 (11.49)	43,900 (12.87)	48,800 (14.3)
HD*D-0750LK[ JF( )-D	3YB3F24KE	18,300 (5.36)	21,600 (6.33)	25,300 (7.42)	29,500 (8.65)	34,100 (9.99)	39,100 (11.46)	44,500 (13.04)	50,300 (14.74)	56,500 (16.56)
HD*D-0900LK[ JF( )-D	3YF3F29KE	21,700 (6.36)	25,600 (7.5)	30,000 (8.79)	34,900 (10.23)	40,200 (11.78)	46,000 (13.48)	52,100 (15.27)	58,700 (17.2)	65,700 (19.26)
HD*D-0900LK[ J( )-D	3YF3F29KE	22,100 (6.48)	26,100 (7.65)	30,700 (9)	35,700 (10.46)	41,200 (12.08)	47,200 (13.83)	53,700 (15.74)	60,600 (17.76)	67,900 (19.9)
HD*D-1000LK[ JF( )-D	3YS3F33KE	24,000 (7.03)	28,300 (8.29)	33,200 (9.73)	38,500 (11.28)	44,300 (12.98)	50,500 (14.8)	57,200 (16.76)	64,400 (18.87)	71,900 (21.07)
HD*D-1000LK[ J( )-D	3YS3F33KE	24,500 (7.18)	28,900 (8.47)	33,900 (9.94)	39,500 (11.58)	45,500 (13.34)	52,100 (15.27)	59,100 (17.32)	66,700 (19.55)	74,700 (21.89)
HD*D-1500LK[ J( )-D	4YHNF46KE	34,200 (10.02)	40,300 (11.81)	47,100 (13.8)	54,600 (16)	62,600 (18.35)	71,300 (20.9)	80,500 (23.59)	90,300 (26.47)	100,500 (29.45)
HD*D-2200LK[ JF( )-D	4YJNF59KE	40,400 (11.84)	47,100 (13.8)	54,600 (16)	62,700 (18.38)	71,400 (20.93)	80,500 (23.59)	90,200 (26.44)	100,300 (29.4)	110,700 (32.44)
HD*D-2200LK[ J( )-D	4YJNF59KE	41,700 (12.22)	48,900 (14.33)	56,800 (16.65)	65,500 (19.2)	74,900 (21.95)	84,900 (24.88)	95,500 (27.99)	106,700 (31.27)	118,300 (34.67)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Copeland Discus with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*D-0300LK[ JB( )-D	2YF3F13KE	8,700 (2.55)	10,200 (2.99)	11,900 (3.49)	13,700 (4.02)	15,800 (4.63)	18,000 (5.28)	20,400 (5.98)	22,900 (6.71)	N/A
HD*D-0300LK[ JD( )-D	2YF3F13KE	9,100 (2.67)	10,700 (3.14)	12,500 (3.66)	14,500 (4.25)	16,700 (4.89)	19,200 (5.63)	21,900 (6.42)	24,800 (7.27)	27,900 (8.18)
HD*D-0400LK[ JB( )-D	2YL3F15KE	9,600 (2.81)	11,200 (3.28)	13,100 (3.84)	15,100 (4.43)	17,300 (5.07)	19,700 (5.77)	22,300 (6.54)	N/A	N/A
HD*D-0400LK[ JD( )-D	2YL3F15KE	10,100 (2.96)	11,800 (3.46)	13,800 (4.04)	16,000 (4.69)	18,500 (5.42)	21,200 (6.21)	24,100 (7.06)	27,300 (8)	30,600 (8.97)
HD*D-0600LK[ JB( )-D	2YB3F18KE	11,100 (3.25)	13,000 (3.81)	15,000 (4.4)	17,300 (5.07)	19,800 (5.8)	22,500 (6.59)	N/A	N/A	N/A
HD*D-0600LK[ JD( )-D	2YB3F18KE	11,700 (3.43)	13,700 (4.02)	16,100 (4.72)	18,600 (5.45)	21,500 (6.3)	24,500 (7.18)	27,800 (8.15)	31,300 (9.17)	34,900 (10.23)
HD*D-0601LK[ JB( )-D	3YA3F21KE	12,600 (3.69)	14,600 (4.28)	16,900 (4.95)	19,400 (5.69)	22,100 (6.48)	N/A	N/A	N/A	N/A
HD*D-0601LK[ JD( )-D	3YA3F21KE	13,300 (3.90)	15,600 (4.57)	18,200 (5.33)	21,000 (6.15)	24,200 (7.09)	27,500 (8.06)	31,100 (9.11)	35,000 (10.26)	N/A
HD*D-0750LK[ JD( )-D	3YB3F24KE	15,400 (4.51)	18,000 (5.28)	20,900 (6.13)	24,200 (7.09)	27,700 (8.12)	31,500 (9.23)	35,600 (10.43)	N/A	N/A
HD*D-0750LK[ JF( )-D	3YB3F24KE	16,500 (4.84)	19,500 (5.72)	22,900 (6.71)	26,700 (7.83)	30,900 (9.06)	35,500 (10.4)	40,600 (11.9)	46,000 (13.48)	51,800 (15.18)
HD*D-0900LK[ JF( )-D	3YF3F29KE	19,600 (5.74)	23,100 (6.77)	27,100 (7.94)	31,600 (9.26)	36,500 (10.7)	41,900 (12.28)	47,600 (13.95)	53,700 (15.74)	60,200 (17.64)
HD*D-0900LK[ J( )-D	3YF3F29KE	19,900 (5.83)	23,600 (6.92)	27,700 (8.12)	32,400 (9.5)	37,500 (10.99)	43,000 (12.60)	49,100 (14.39)	55,500 (16.27)	62,400 (18.29)
HD*D-1000LK[ JF( )-D	3YS3F33KE	21,700 (6.36)	25,600 (7.5)	30,000 (8.79)	34,800 (10.2)	40,200 (11.78)	46,000 (13.48)	52,200 (15.3)	58,800 (17.23)	65,900 (19.31)
HD*D-1000LK[ J( )-D	3YS3F33KE	22,100 (6.48)	26,100 (7.65)	30,700 (9)	35,800 (10.49)	41,400 (12.13)	47,400 (13.89)	54,000 (15.83)	61,000 (17.88)	68,500 (20.08)
HD*D-1500LK[ J( )-D	4YHNF46KE	30,700 (9)	36,300 (10.64)	42,500 (12.46)	49,400 (14.48)	56,800 (16.65)	64,800 (18.99)	73,300 (21.48)	82,400 (24.15)	92,000 (26.96)
HD*D-2200LK[ JF( )-D	4YJNF59KE	36,300 (10.64)	42,400 (12.43)	49,200 (14.42)	56,600 (16.59)	64,500 (18.9)	73,000 (21.4)	N/A	N/A	N/A
HD*D-2200LK[ J( )-D	4YJNF59KE	37,500 (10.99)	44,000 (12.9)	51,300 (15.04)	59,200 (17.35)	67,900 (19.9)	77,100 (22.6)	86,900 (25.47)	97,200 (28.49)	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Copeland Discus with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*D-0300LK[ ]B( )-D	2YF3F13KE	B / Medium	1/2	1-3/8	C
HD*D-0300LK[ ]D( )-D	2YF3F13KE	D / Medium	1/2	1-3/8	E
HD*D-0400LK[ ]B( )-D	2YL3F15KE	B / Medium	5/8	1-3/8	C
HD*D-0400LK[ ]D( )-D	2YL3F15KE	D / Medium	5/8	1-3/8	E
HD*D-0600LK[ ]B( )-D	2YB3F18KE	B / Medium	5/8	1-3/8	C
HD*D-0600LK[ ]D( )-D	2YB3F18KE	D / Medium	5/8	1-3/8	E
HD*D-0601LK[ ]B( )-D	3YA3F21KE	B / Medium	5/8	1-3/8	C
HD*D-0601LK[ ]D( )-D	3YA3F21KE	D / Medium	5/8	1-3/8	E
HD*D-0750LK[ ]D( )-D	3YB3F24KE	D / Medium	5/8	1-3/8	E
HD*D-0750LK[ ]F( )-D	3YB3F24KE	F / Large	5/8	1-3/8	F
HD*D-0900LK[ ]F( )-D	3YF3F29KE	F / Large	5/8	1-3/8	F
HD*D-0900LK[ ]J( )-D	3YF3F29KE	J / Extra Large	5/8	1-3/8	H
HD*D-1000LK[ ]F( )-D	3YS3F33KE	F / Large	5/8	1-3/8	F
HD*D-1000LK[ ]J( )-D	3YS3F33KE	J / Extra Large	5/8	1-3/8	H
HD*D-1500LK[ ]J( )-D	4YHNF46KE	J / Extra Large	7/8	1-5/8	H
HD*D-2200LK[ ]F( )-D	4YJNF59KE	F / Large	7/8	2-1/8	F
HD*D-2200LK[ ]J( )-D	4YJNF59KE	J / Extra Large	7/8	2-1/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Discus with R-454A Electrical, Capacity, and Configuration Data

#### Medium Temperature Copeland Discus with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*D-0500MD[JB(-)D	2YC3R51KE	7.6	20	1.2	29.2	45	9.4	0.7	14	20
HD*D-0500MD[JD(-)D	2YC3R51KE	7.6	20	2.1	30.1	50	9.4	1.3	14.6	20
HD*D-0501MD[JD(-)D	2YD3R59KE	7.6	20	2.1	30.1	50	9.4	1.3	14.6	20
HD*D-0501MD[JF(-)D	2YD3R59KE	7.6	20	3.2	31.2	50	9.4	1.9	15.2	20
HD*D-0750MD[JF(-)D	2YL3R73KE	7.6	28.3	3.2	41.6	60	12.4	1.9	18.9	30
HD*D-0750MD[JJ(-)D	2YL3R73KE	7.6	28.3	4.2	42.6	70	12.4	2.5	19.5	30
HD*D-0751MD[JF(-)D	2YA3R82KE	7.6	28.7	3.2	42.1	70	12.6	1.9	19.2	30
HD*D-0751MD[JJ(-)D	2YA3R82KE	7.6	28.7	4.2	43.1	70	12.6	2.5	19.8	30
HD*D-0752MD[JF(-)D	3YA3R99KE	7.6	36.8	3.2	52.2	80	17.9	1.9	25.8	40
HD*D-0752MD[JJ(-)D	3YA3R99KE	7.6	36.8	4.2	53.2	90	17.9	2.5	26.4	40
HD*D-1000MD[JF(-)D	3YB3R11ME	7.6	39.1	3.2	55.1	90	17.9	1.9	25.8	40
HD*D-1000MD[JJ(-)D	3YB3R11ME	7.6	39.1	4.2	56.1	90	17.9	2.5	26.4	40
HD*D-1200MD[JJ(-)D	3YF3R14ME	7.6	43.2	4.2	61.2	100	21.2	2.5	30.5	50
HD*D-1500MD[JJ(-)D	3YS3R16ME	7.6	53.5	4.2	74.1	125	26	2.5	36.5	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Discus with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*D-0500MD[ JB( )-D	2YC3R51KE	26,000 (7.62)	28,800 (8.44)	31,700 (9.29)	34,700 (10.17)	37,800 (11.08)	41,000 (12.02)	44,400 (13.01)	47,900 (14.04)	N/A	N/A
HD*D-0500MD[ JD( )-D	2YC3R51KE	28,100 (8.24)	31,400 (9.2)	34,900 (10.23)	38,600 (11.31)	42,400 (12.43)	46,500 (13.63)	50,900 (14.92)	55,400 (16.24)	60,200 (17.64)	65,300 (19.14)
HD*D-0501MD[ JD( )-D	2YD3R59KE	31,800 (9.32)	35,500 (10.4)	39,300 (11.52)	43,300 (12.69)	47,500 (13.92)	51,800 (15.18)	56,400 (16.53)	61,100 (17.91)	66,100 (19.37)	71,200 (20.87)
HD*D-0501MD[ JF( )-D	2YD3R59KE	34,800 (10.2)	39,200 (11.49)	43,900 (12.87)	48,900 (14.33)	54,200 (15.89)	59,900 (17.56)	65,900 (19.31)	72,300 (21.19)	79,100 (23.18)	86,300 (25.29)
HD*D-0750MD[ JF( )-D	2YL3R73KE	42,200 (12.37)	47,400 (13.89)	52,900 (15.5)	58,700 (17.2)	65,000 (19.05)	71,600 (20.98)	78,600 (23.04)	86,000 (25.21)	93,900 (27.52)	102,100 (29.92)
HD*D-0750MD[ JJ( )-D	2YL3R73KE	43,200 (12.66)	48,500 (14.21)	54,300 (15.91)	60,400 (17.7)	67,000 (19.64)	74,000 (21.69)	81,500 (23.89)	89,400 (26.2)	97,800 (28.66)	106,700 (31.27)
HD*D-0751MD[ JF( )-D	2YA3R82KE	47,100 (13.8)	52,800 (15.47)	58,800 (17.23)	65,200 (19.11)	72,000 (21.1)	79,200 (23.21)	86,700 (25.41)	94,700 (27.75)	103,100 (30.22)	111,900 (32.8)
HD*D-0751MD[ JJ( )-D	2YA3R82KE	48,300 (14.16)	54,200 (15.89)	60,600 (17.76)	67,300 (19.72)	74,500 (21.83)	82,200 (24.09)	90,300 (26.47)	98,900 (28.99)	108,000 (31.65)	117,600 (34.47)
HD*D-0752MD[ JF( )-D	3YA3R99KE	56,000 (16.41)	62,500 (18.32)	69,300 (20.31)	76,500 (22.42)	84,100 (24.65)	92,200 (27.02)	100,800 (29.54)	109,800 (32.18)	119,300 (34.96)	129,300 (37.9)
HD*D-0752MD[ JJ( )-D	3YA3R99KE	57,700 (16.91)	64,500 (18.9)	71,800 (21.04)	79,500 (23.3)	87,800 (25.73)	96,500 (28.28)	105,800 (31.01)	115,700 (33.91)	126,200 (36.99)	137,200 (40.21)
HD*D-1000MD[ JF( )-D	3YB3R11ME	64,400 (18.87)	71,600 (20.98)	79,200 (23.21)	87,200 (25.56)	95,600 (28.02)	104,500 (30.63)	113,900 (33.38)	123,700 (36.25)	134,000 (39.27)	144,800 (42.44)
HD*D-1000MD[ JJ( )-D	3YB3R11ME	66,800 (19.58)	74,500 (21.83)	82,600 (24.21)	91,300 (26.76)	100,600 (29.48)	110,400 (32.36)	120,700 (35.38)	131,700 (38.6)	143,300 (42)	155,500 (45.57)
HD*D-1200MD[ JJ( )-D	3YF3R14ME	77,800 (22.8)	86,500 (25.35)	95,700 (28.05)	105,400 (30.89)	115,700 (33.91)	126,600 (37.1)	138,000 (40.45)	150,100 (43.99)	162,800 (47.71)	176,100 (51.61)
HD*D-1500MD[ JJ( )-D	3YS3R16ME	85,000 (24.91)	94,400 (27.67)	104,200 (30.54)	114,600 (33.59)	125,500 (36.78)	137,100 (40.18)	149,200 (43.73)	161,900 (47.45)	175,200 (51.35)	189,000 (55.39)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Discus with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*D-0500MD[JB(-)-D	2YC3R51KE	23,700 (6.95)	26,200 (7.68)	28,700 (8.41)	31,300 (9.17)	34,100 (9.99)	N/A	N/A	N/A	N/A	N/A
HD*D-0500MD[JD(-)-D	2YC3R51KE	25,700 (7.53)	28,600 (8.38)	31,800 (9.32)	35,100 (10.29)	38,600 (11.31)	42,300 (12.40)	46,200 (13.54)	50,400 (14.77)	54,700 (16.03)	59,300 (17.38)
HD*D-0501MD[JD(-)-D	2YD3R59KE	29,100 (8.53)	32,300 (9.47)	35,700 (10.46)	39,300 (11.52)	43,100 (12.63)	47,000 (13.77)	51,200 (15.01)	55,400 (16.24)	N/A	N/A
HD*D-0501MD[JF(-)-D	2YD3R59KE	31,900 (9.35)	35,900 (10.52)	40,200 (11.78)	44,700 (13.10)	49,600 (14.54)	54,800 (16.06)	60,300 (17.67)	66,200 (19.40)	72,500 (21.25)	79,100 (23.18)
HD*D-0750MD[JF(-)-D	2YL3R73KE	38,700 (11.34)	43,300 (12.69)	48,400 (14.19)	53,700 (15.74)	59,500 (17.44)	65,500 (19.20)	72,000 (21.10)	78,900 (23.12)	86,100 (25.23)	93,800 (27.49)
HD*D-0750MD[JJ(-)-D	2YL3R73KE	39,500 (11.58)	44,400 (13.01)	49,700 (14.57)	55,400 (16.24)	61,400 (18.00)	67,900 (19.90)	74,800 (21.92)	82,200 (24.09)	90,000 (26.38)	98,200 (28.78)
HD*D-0751MD[JF(-)-D	2YA3R82KE	43,100 (12.63)	48,300 (14.16)	53,800 (15.77)	59,600 (17.47)	65,900 (19.31)	72,500 (21.25)	79,400 (23.27)	86,800 (25.44)	94,500 (27.70)	102,700 (30.10)
HD*D-0751MD[JJ(-)-D	2YA3R82KE	44,200 (12.95)	49,700 (14.57)	55,500 (16.27)	61,700 (18.08)	68,300 (20.02)	75,400 (22.10)	82,900 (24.30)	90,900 (26.64)	99,300 (29.10)	108,200 (31.71)
HD*D-0752MD[JF(-)-D	3YA3R99KE	51,100 (14.98)	57,000 (16.71)	63,200 (18.52)	69,800 (20.46)	76,800 (22.51)	84,200 (24.68)	92,000 (26.96)	100,300 (29.40)	109,100 (31.98)	118,300 (34.67)
HD*D-0752MD[JJ(-)-D	3YA3R99KE	52,800 (15.47)	59,000 (17.29)	65,700 (19.26)	72,800 (21.34)	80,300 (23.53)	88,400 (25.91)	97,000 (28.43)	106,100 (31.10)	115,800 (33.94)	126,000 (36.93)
HD*D-1000MD[JF(-)-D	3YB3R11ME	58,700 (17.20)	65,200 (19.11)	72,100 (21.13)	79,400 (23.27)	87,000 (25.50)	95,200 (27.90)	103,700 (30.39)	112,700 (33.03)	122,200 (35.81)	N/A
HD*D-1000MD[JJ(-)-D	3YB3R11ME	61,000 (17.88)	68,000 (19.93)	75,500 (22.13)	83,400 (24.44)	91,900 (26.93)	100,800 (29.54)	110,400 (32.36)	120,500 (35.32)	131,200 (38.45)	142,400 (41.74)
HD*D-1200MD[JJ(-)-D	3YF3R14ME	71,000 (20.81)	78,800 (23.09)	87,200 (25.56)	96,100 (28.17)	105,400 (30.89)	115,400 (33.82)	125,800 (36.87)	136,900 (40.12)	148,600 (43.55)	160,800 (47.13)
HD*D-1500MD[JJ(-)-D	3YS3R16ME	77,500 (22.71)	85,900 (25.18)	94,800 (27.78)	104,300 (30.57)	114,200 (33.47)	124,700 (36.55)	135,700 (39.77)	147,300 (43.17)	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Discus with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*D-0500MD[ ]B( )-D	2YC3R51KE	B / Medium	1/2	1-3/8	C
HD*D-0500MD[ ]D( )-D	2YC3R51KE	D / Medium	1/2	1-3/8	E
HD*D-0501MD[ ]D( )-D	2YD3R59KE	D / Medium	5/8	1-3/8	E
HD*D-0501MD[ ]F( )-D	2YD3R59KE	F / Large	5/8	1-3/8	F
HD*D-0750MD[ ]F( )-D	2YL3R73KE	F / Large	5/8	1-3/8	F
HD*D-0750MD[ ]J( )-D	2YL3R73KE	J / Extra Large	5/8	1-3/8	H
HD*D-0751MD[ ]F( )-D	2YA3R82KE	F / Large	5/8	1-3/8	F
HD*D-0751MD[ ]J( )-D	2YA3R82KE	J / Extra Large	5/8	1-3/8	H
HD*D-0752MD[ ]F( )-D	3YA3R99KE	F / Large	5/8	1-3/8	F
HD*D-0752MD[ ]J( )-D	3YA3R99KE	J / Extra Large	5/8	1-3/8	H
HD*D-1000MD[ ]F( )-D	3YB3R11ME	F / Large	7/8	1-3/8	F
HD*D-1000MD[ ]J( )-D	3YB3R11ME	J / Extra Large	7/8	1-3/8	H
HD*D-1200MD[ ]J( )-D	3YF3R14ME	J / Extra Large	7/8	1-3/8	H
HD*D-1500MD[ ]J( )-D	3YS3R16ME	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Discus with R-454C Electrical, Capacity, and Configuration Data

#### Medium Temperature Copeland Discus with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*D-0500MD[ ]B( )-D	2YC3R51KE	7.6	20	1.2	29.2	45	9.4	0.7	14	20
HD*D-0500MD[ ]D( )-D	2YC3R51KE	7.6	20	2.1	30.1	50	9.4	1.3	14.6	20
HD*D-0501MD[ ]D( )-D	2YD3R59KE	7.6	20	2.1	30.1	50	9.4	1.3	14.6	20
HD*D-0501MD[ ]F( )-D	2YD3R59KE	7.6	20	3.2	31.2	50	9.4	1.9	15.2	20
HD*D-0750MD[ ]F( )-D	2YL3R73KE	7.6	28.3	3.2	41.6	60	12.4	1.9	18.9	30
HD*D-0750MD[ ]J( )-D	2YL3R73KE	7.6	28.3	4.2	42.6	70	12.4	2.5	19.5	30
HD*D-0751MD[ ]F( )-D	2YA3R82KE	7.6	28.7	3.2	42.1	70	12.6	1.9	19.2	30
HD*D-0751MD[ ]J( )-D	2YA3R82KE	7.6	28.7	4.2	43.1	70	12.6	2.5	19.8	30
HD*D-0752MD[ ]F( )-D	3YA3R99KE	7.6	36.8	3.2	52.2	80	17.9	1.9	25.8	40
HD*D-0752MD[ ]J( )-D	3YA3R99KE	7.6	36.8	4.2	53.2	90	17.9	2.5	26.4	40
HD*D-1000MD[ ]F( )-D	3YB3R11ME	7.6	39.1	3.2	55.1	90	17.9	1.9	25.8	40
HD*D-1000MD[ ]J( )-D	3YB3R11ME	7.6	39.1	4.2	56.1	90	17.9	2.5	26.4	40
HD*D-1200MD[ ]J( )-D	3YF3R14ME	7.6	43.2	4.2	61.2	100	21.2	2.5	30.5	50
HD*D-1500MD[ ]J( )-D	3YS3R16ME	7.6	53.5	4.2	74.1	125	26	2.5	36.5	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Discus with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*D-0500MK[ JB( )-D	2YC3R51KE	23,000 (6.74)	25,500 (7.47)	28,200 (8.26)	31,100 (9.11)	34,000 (9.96)	37,100 (10.87)	40,200 (11.78)	43,600 (12.78)	47,000 (13.77)	50,600 (14.83)
HD*D-0500MK[ JD( )-D	2YC3R51KE	24,600 (7.21)	27,600 (8.09)	30,700 (9)	34,100 (9.99)	37,700 (11.05)	41,400 (12.13)	45,400 (13.31)	49,600 (14.54)	54,000 (15.83)	58,700 (17.2)
HD*D-0501MK[ JD( )-D	2YD3R59KE	28,000 (8.21)	31,300 (9.17)	34,700 (10.17)	38,400 (11.25)	42,200 (12.37)	46,300 (13.57)	50,600 (14.83)	55,200 (16.18)	60,000 (17.58)	64,900 (19.02)
HD*D-0501MK[ JF( )-D	2YD3R59KE	30,300 (8.88)	34,100 (9.99)	38,200 (11.20)	42,600 (12.49)	47,400 (13.89)	52,500 (15.39)	58,000 (17.00)	63,900 (18.73)	70,200 (20.57)	77,000 (22.57)
HD*D-0750MK[ JF( )-D	2YL3R73KE	36,900 (10.81)	41,500 (12.16)	46,300 (13.57)	51,500 (15.09)	57,000 (16.71)	63,000 (18.46)	69,400 (20.34)	76,200 (22.33)	83,500 (24.47)	91,300 (26.76)
HD*D-0750MK[ J( )-D	2YL3R73KE	37,600 (11.02)	42,300 (12.4)	47,400 (13.89)	52,800 (15.47)	58,600 (17.17)	64,800 (18.99)	71,600 (20.98)	78,800 (23.09)	86,500 (25.35)	94,900 (27.81)
HD*D-0751MK[ JF( )-D	2YA3R82KE	41,200 (12.08)	46,300 (13.57)	51,600 (15.12)	57,300 (16.79)	63,400 (18.58)	69,800 (20.46)	76,800 (22.51)	84,100 (24.65)	91,900 (26.93)	100,300 (29.4)
HD*D-0751MK[ J( )-D	2YA3R82KE	42,100 (12.34)	47,300 (13.86)	52,900 (15.5)	58,900 (17.26)	65,300 (19.14)	72,100 (21.13)	79,500 (23.3)	87,400 (25.62)	95,700 (28.05)	104,700 (30.69)
HD*D-0752MK[ JF( )-D	3YA3R99KE	48,800 (14.3)	54,600 (16)	60,800 (17.82)	67,400 (19.75)	74,400 (21.81)	81,900 (24)	89,700 (26.29)	98,100 (28.75)	106,800 (31.3)	116,000 (34)
HD*D-0752MK[ J( )-D	3YA3R99KE	50,100 (14.68)	56,200 (16.47)	62,800 (18.41)	69,800 (20.46)	77,200 (22.63)	85,100 (24.94)	93,600 (27.43)	102,600 (30.07)	112,000 (32.83)	122,100 (35.79)
HD*D-1000MK[ JF( )-D	3YB3R11ME	56,500 (16.56)	63,100 (18.49)	70,000 (20.52)	77,300 (22.66)	85,100 (24.94)	93,400 (27.37)	102,100 (29.92)	111,400 (32.65)	121,000 (35.46)	131,400 (38.51)
HD*D-1000MK[ J( )-D	3YB3R11ME	58,300 (17.09)	65,200 (19.11)	72,600 (21.28)	80,500 (23.59)	88,900 (26.06)	97,800 (28.66)	107,300 (31.45)	117,500 (34.44)	128,200 (37.57)	139,600 (40.91)
HD*D-1200MK[ J( )-D	3YF3R14ME	68,100 (19.96)	76,000 (22.27)	84,400 (24.74)	93,400 (27.37)	102,900 (30.16)	113,000 (33.12)	123,700 (36.25)	135,000 (39.57)	146,900 (43.05)	159,500 (46.75)
HD*D-1500MK[ J( )-D	3YS3R16ME	74,700 (21.89)	83,200 (24.38)	92,300 (27.05)	101,900 (29.87)	112,100 (32.85)	122,900 (36.02)	134,300 (39.36)	146,200 (42.85)	158,700 (46.51)	172,000 (50.41)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Copeland Discus with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*D-0500MK[JB](-D)	2YC3R51KE	20,900 (6.13)	23,100 (6.77)	25,500 (7.47)	28,000 (8.21)	30,600 (8.97)	33,400 (9.79)	36,300 (10.64)	N/A	N/A	N/A
HD*D-0500MK[JD](-D)	2YC3R51KE	22,400 (6.57)	25,100 (7.36)	27,900 (8.18)	31,000 (9.09)	34,200 (10.02)	37,600 (11.02)	41,300 (12.1)	45,000 (13.19)	49,100 (14.39)	53,300 (15.62)
HD*D-0501MK[JD](-D)	2YD3R59KE	25,500 (7.47)	28,500 (8.35)	31,600 (9.26)	34,900 (10.23)	38,300 (11.23)	42,000 (12.31)	45,800 (13.42)	50,000 (14.65)	54,400 (15.94)	59,000 (17.29)
HD*D-0501MK[JF](-D)	2YD3R59KE	27,700 (8.12)	31,200 (9.14)	34,900 (10.23)	39,000 (11.43)	43,300 (12.69)	48,000 (14.07)	53,000 (15.53)	58,500 (17.15)	64,300 (18.85)	70,600 (20.69)
HD*D-0750MK[JF](-D)	2YL3R73KE	33,700 (9.88)	37,900 (11.11)	42,300 (12.4)	47,100 (13.80)	52,200 (15.3)	57,600 (16.88)	63,500 (18.61)	69,800 (20.46)	76,600 (22.45)	83,800 (24.56)
HD*D-0750MK[JJ](-D)	2YL3R73KE	34,400 (10.08)	38,700 (11.34)	43,400 (12.72)	48,300 (14.16)	53,700 (15.74)	59,500 (17.44)	65,700 (19.26)	72,400 (21.22)	79,600 (23.33)	87,300 (25.59)
HD*D-0751MK[JF](-D)	2YA3R82KE	37,700 (11.05)	42,300 (12.4)	47,200 (13.83)	52,400 (15.36)	58,000 (17)	63,900 (18.73)	70,300 (20.6)	77,200 (22.63)	84,400 (24.74)	92,100 (26.99)
HD*D-0751MK[JJ](-D)	2YA3R82KE	38,500 (11.28)	43,300 (12.69)	48,400 (14.19)	53,900 (15.8)	59,800 (17.53)	66,200 (19.4)	73,000 (21.40)	80,300 (23.53)	88,100 (25.82)	96,400 (28.25)
HD*D-0752MK[JF](-D)	3YA3R99KE	44,500 (13.04)	49,800 (14.6)	55,500 (16.27)	61,500 (18.02)	68,000 (19.93)	74,800 (21.92)	82,100 (24.06)	89,800 (26.32)	97,600 (28.60)	106,200 (31.13)
HD*D-0752MK[JJ](-D)	3YA3R99KE	45,700 (13.39)	51,300 (15.04)	57,300 (16.79)	63,800 (18.7)	70,700 (20.72)	78,000 (22.86)	85,800 (25.15)	94,200 (27.61)	103,000 (30.19)	112,400 (32.94)
HD*D-1000MK[JF](-D)	3YB3R11ME	51,500 (15.09)	57,400 (16.82)	63,700 (18.67)	70,400 (20.63)	77,500 (22.71)	85,100 (24.94)	92,900 (27.23)	101,400 (29.72)	110,400 (32.36)	119,900 (35.14)
HD*D-1000MK[JJ](-D)	3YB3R11ME	53,200 (15.59)	59,500 (17.44)	66,300 (19.43)	73,500 (21.54)	81,200 (23.8)	89,400 (26.2)	98,200 (28.78)	107,600 (31.54)	117,600 (34.47)	127,800 (37.46)
HD*D-1200MK[JJ](-D)	3YF3R14ME	62,000 (18.17)	69,200 (20.28)	76,900 (22.54)	85,100 (24.94)	93,800 (27.49)	103,100 (30.22)	112,900 (33.09)	123,100 (36.08)	134,100 (39.3)	145,800 (42.73)
HD*D-1500MK[JJ](-D)	3YS3R16ME	68,000 (19.93)	75,800 (22.22)	84,000 (24.62)	92,800 (27.20)	102,100 (29.92)	112,000 (32.83)	122,200 (35.81)	133,200 (39.04)	144,800 (42.44)	156,900 (45.98)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Copeland Discus with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*D-0500MD[ ]B( )-D	2YC3R51KE	B / Medium	1/2	1-3/8	C
HD*D-0500MD[ ]D( )-D	2YC3R51KE	D / Medium	1/2	1-3/8	E
HD*D-0501MD[ ]D( )-D	2YD3R59KE	D / Medium	5/8	1-3/8	E
HD*D-0501MD[ ]F( )-D	2YD3R59KE	F / Large	5/8	1-3/8	F
HD*D-0750MD[ ]F( )-D	2YL3R73KE	F / Large	5/8	1-3/8	F
HD*D-0750MD[ ]J( )-D	2YL3R73KE	J / Extra Large	5/8	1-3/8	H
HD*D-0751MD[ ]F( )-D	2YA3R82KE	F / Large	5/8	1-3/8	F
HD*D-0751MD[ ]J( )-D	2YA3R82KE	J / Extra Large	5/8	1-3/8	H
HD*D-0752MD[ ]F( )-D	3YA3R99KE	F / Large	5/8	1-3/8	F
HD*D-0752MD[ ]J( )-D	3YA3R99KE	J / Extra Large	5/8	1-3/8	H
HD*D-1000MD[ ]F( )-D	3YB3R11ME	F / Large	7/8	1-3/8	F
HD*D-1000MD[ ]J( )-D	3YB3R11ME	J / Extra Large	7/8	1-3/8	H
HD*D-1200MD[ ]J( )-D	3YF3R14ME	J / Extra Large	7/8	1-3/8	H
HD*D-1500MD[ ]J( )-D	3YS3R16ME	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Bitzer MV2 with R-454A Electrical, Capacity, and Configuration Data

#### Low Temperature Bitzer MV2 with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*B-0050LD[ ]A( )-D	2KES-05	2.91	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0050LD[ ]B( )-D	2KES-05	2.91	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0070LD[ ]A( )-D	2JES-07	2.95	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0070LD[ ]B( )-D	2JES-07	2.96	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0100LD[ ]A( )-D	2HES-1	3.03	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0100LD[ ]B( )-D	2HES-1	3.04	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0150LD[ ]A( )-D	2FES-2	3.12	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0150LD[ ]B( )-D	2FES-2	3.15	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0200LD[ ]A( )-D	2EES-2	3.15	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0200LD[ ]B( )-D	2EES-2	3.14	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0220LD[ ]A( )-D	2DES-2	3.15	13.1	1.2	20.6	30	6.4	0.7	10.2	15
HD*B-0220LD[ ]B( )-D	2DES-2	3.15	13.1	1.2	20.6	30	6.4	0.7	10.2	15
HD*B-0300LD[ ]A( )-D	2CES-3	3.15	14.9	1.2	22.8	35	7	0.7	11	15
HD*B-0300LD[ ]B( )-D	2CES-3	3.15	14.9	1.2	22.8	35	7	0.7	11	15
HD*B-0400LD[ ]B( )-D	4FES-3	3.15	20.1	1.2	29.3	45	9	0.7	13.5	20
HD*B-0400LD[ ]D( )-D	4FES-3	3.15	20.1	2.1	30.2	50	9	1.3	14.1	20
HD*B-0500LD[ ]B( )-D	4EES-4	3.15	22.4	1.2	32.2	50	10.3	0.7	15.1	25
HD*B-0500LD[ ]D( )-D	4EES-4	3.15	22.4	2.1	33.1	50	10.3	1.3	15.7	25
HD*B-0600LD[ ]B( )-D	4DES-5	3.15	23	1.2	33	50	12	0.7	17.2	25
HD*B-0600LD[ ]D( )-D	4DES-5	3.15	23	2.1	33.9	50	12	1.3	17.8	25
HD*B-0650LD[ ]B( )-D	4CES-6	3.15	27.9	1.2	39.1	60	15.8	0.7	22	35
HD*B-0650LD[ ]D( )-D	4CES-6	3.15	27.9	2.1	40	60	15.8	1.3	22.6	35
HD*B-0700LD[ ]B( )-D	4VES-7	3.15	27.1	1.2	38.1	60	13.6	0.7	19.2	30
HD*B-0700LD[ ]D( )-D	4VES-7	3.15	27.1	2.1	39	60	13.6	1.3	19.8	30
HD*B-0900LD[ ]B( )-D	4TES-9	3.15	31.4	1.2	43.5	70	15.7	0.7	21.8	35
HD*B-0900LD[ ]D( )-D	4TES-9	3.15	31.4	2.1	44.4	70	15.7	1.3	22.4	35
HD*B-1000LD[ ]B( )-D	4PES-12	3.15	38.6	1.2	52.5	90	19.3	0.7	26.3	45
HD*B-1000LD[ ]D( )-D	4PES-12	3.15	38.6	2.1	53.4	90	19.3	1.3	26.9	45
HD*B-1200LD[ ]F( )-D	4NES-14	3.15	44.3	3.2	61.6	100	22.1	1.9	31	50
HD*B-1200LD[ ]J( )-D	4NES-14	3.15	44.3	4.2	62.6	100	22.1	2.5	31.6	50
HD*B-1400LD[ ]F( )-D	4JE-15	3.15	55.7	3.2	75.8	125	27.9	1.9	38.3	60
HD*B-1400LD[ ]J( )-D	4JE-15	3.15	55.7	4.2	76.8	125	27.9	2.5	38.9	60
HD*B-1600LD[ ]F( )-D	4HE-18	3.15	60.3	3.2	81.6	125	30.1	1.9	41	70
HD*B-1600LD[ ]J( )-D	4HE-18	3.15	60.3	4.2	82.6	125	30.1	2.5	41.6	70

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0050LD[ JA( )-D	2KES-05	1,600 (0.47)	2,100 (0.62)	2,600 (0.76)	3,100 (0.91)	3,700 (1.08)	4,400 (1.29)	5,100 (1.49)	5,800 (1.7)	6,600 (1.93)
HD*B-0050LD[ JB( )-D	2KES-05	1,700 (0.5)	2,100 (0.62)	2,600 (0.76)	3,200 (0.94)	3,800 (1.11)	4,500 (1.32)	5,200 (1.52)	6,000 (1.76)	6,800 (1.99)
HD*B-0070LD[ JA( )-D	2JES-07	2,100 (0.62)	2,700 (0.79)	3,300 (0.97)	4,000 (1.17)	4,700 (1.38)	5,500 (1.61)	6,400 (1.88)	7,400 (2.17)	8,400 (2.46)
HD*B-0070LD[ JB( )-D	2JES-07	2,100 (0.62)	2,700 (0.79)	3,400 (1)	4,100 (1.2)	4,900 (1.44)	5,700 (1.67)	6,600 (1.93)	7,600 (2.23)	8,700 (2.55)
HD*B-0100LD[ JA( )-D	2HES-1	3,000 (0.88)	3,700 (1.08)	4,500 (1.32)	5,400 (1.58)	6,300 (1.85)	7,200 (2.11)	8,200 (2.4)	9,300 (2.73)	10,500 (3.08)
HD*B-0100LD[ JB( )-D	2HES-1	3,100 (0.91)	3,900 (1.14)	4,700 (1.38)	5,600 (1.64)	6,500 (1.91)	7,500 (2.2)	8,700 (2.55)	9,800 (2.87)	11,100 (3.25)
HD*B-0150LD[ JA( )-D	2FES-2	4,100 (1.2)	5,000 (1.47)	5,900 (1.73)	6,900 (2.02)	7,800 (2.29)	8,900 (2.61)	10,000 (2.93)	11,200 (3.28)	12,500 (3.66)
HD*B-0150LD[ JB( )-D	2FES-2	4,300 (1.26)	5,200 (1.52)	6,200 (1.82)	7,300 (2.14)	8,400 (2.46)	9,600 (2.81)	10,900 (3.19)	12,300 (3.6)	13,800 (4.04)
HD*B-0200LD[ JA( )-D	2EES-2	5,200 (1.52)	6,400 (1.88)	7,600 (2.23)	8,900 (2.61)	10,200 (2.99)	11,700 (3.43)	13,200 (3.87)	14,800 (4.34)	16,400 (4.81)
HD*B-0200LD[ JB( )-D	2EES-2	5,500 (1.61)	6,800 (1.99)	8,100 (2.37)	9,500 (2.78)	11,100 (3.25)	12,700 (3.72)	14,400 (4.22)	16,300 (4.78)	18,300 (5.36)
HD*B-0220LD[ JA( )-D	2DES-2	6,200 (1.82)	7,600 (2.23)	9,000 (2.64)	10,500 (3.08)	12,000 (3.52)	13,600 (3.99)	15,300 (4.48)	17,000 (4.98)	18,800 (5.51)
HD*B-0220LD[ JB( )-D	2DES-2	6,700 (1.96)	8,200 (2.4)	9,700 (2.84)	11,400 (3.34)	13,100 (3.84)	15,000 (4.4)	17,000 (4.98)	19,100 (5.6)	21,400 (6.27)
HD*B-0300LD[ JA( )-D	2CES-3	7,800 (2.29)	9,400 (2.75)	11,100 (3.25)	12,800 (3.75)	14,500 (4.25)	16,300 (4.78)	18,100 (5.3)	20,000 (5.86)	21,900 (6.42)
HD*B-0300LD[ JB( )-D	2CES-3	8,500 (2.49)	10,300 (3.02)	12,100 (3.55)	14,100 (4.13)	16,100 (4.72)	18,300 (5.36)	20,600 (6.04)	23,000 (6.74)	25,500 (7.47)
HD*B-0400LD[ JB( )-D	4FES-3	7,700 (2.26)	9,400 (2.75)	11,300 (3.31)	13,300 (3.9)	15,400 (4.51)	17,700 (5.19)	20,000 (5.86)	22,600 (6.62)	25,300 (7.42)
HD*B-0400LD[ JD( )-D	4FES-3	8,100 (2.37)	9,900 (2.9)	12,000 (3.52)	14,100 (4.13)	16,400 (4.81)	18,900 (5.54)	21,700 (6.36)	24,600 (7.21)	27,700 (8.12)
HD*B-0500LD[ JB( )-D	4EES-4	11,100 (3.25)	13,300 (3.9)	15,700 (4.6)	18,000 (5.28)	20,500 (6.01)	23,100 (6.77)	25,800 (7.56)	28,600 (8.38)	31,500 (9.23)
HD*B-0500LD[ JD( )-D	4EES-4	11,700 (3.43)	14,200 (4.16)	16,700 (4.89)	19,300 (5.66)	22,100 (6.48)	25,100 (7.36)	28,200 (8.26)	31,600 (9.26)	35,100 (10.29)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Bitzer MV2 with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0600LD[ JB( )-D	4DES-5	11,800 (3.46)	14,300 (4.19)	16,800 (4.92)	19,500 (5.72)	22,300 (6.54)	25,100 (7.36)	28,100 (8.24)	31,300 (9.17)	34,500 (10.11)
HD*B-0600LD[ JD( )-D	4DES-5	12,600 (3.69)	15,300 (4.48)	18,200 (5.33)	21,200 (6.21)	24,400 (7.15)	27,800 (8.15)	31,400 (9.2)	35,200 (10.32)	39,300 (11.52)
HD*B-0650LD[ JB( )-D	4CES-6	14,700 (4.31)	17,600 (5.16)	20,600 (6.04)	23,600 (6.92)	26,700 (7.83)	29,900 (8.76)	33,100 (9.70)	36,400 (10.67)	39,800 (11.66)
HD*B-0650LD[ JD( )-D	4CES-6	16,000 (4.69)	19,200 (5.63)	22,600 (6.62)	26,100 (7.65)	29,800 (8.73)	33,600 (9.85)	37,700 (11.05)	42,000 (12.31)	46,500 (13.63)
HD*B-0700LD[ JB( )-D	4VES-7	12,400 (3.63)	15,800 (4.63)	19,100 (5.6)	22,500 (6.59)	25,900 (7.59)	29,200 (8.56)	32,700 (9.58)	36,100 (10.58)	39,600 (11.61)
HD*B-0700LD[ JD( )-D	4VES-7	13,600 (3.99)	17,400 (5.10)	21,200 (6.21)	25,000 (7.33)	29,000 (8.5)	33,100 (9.7)	37,300 (10.93)	41,700 (12.22)	46,300 (13.57)
HD*B-0900LD[ JB( )-D	4TES-9	15,000 (4.4)	19,000 (5.57)	22,800 (6.68)	26,600 (7.8)	30,300 (8.88)	33,900 (9.94)	37,500 (10.99)	N/A	N/A
HD*B-0900LD[ JD( )-D	4TES-9	16,800 (4.92)	21,200 (6.21)	25,600 (7.5)	30,000 (8.79)	34,500 (10.11)	39,000 (11.43)	43,700 (12.81)	48,500 (14.21)	53,400 (15.65)
HD*B-1000LD[ JB( )-D	4PES-12	14,900 (4.37)	19,200 (5.63)	23,300 (6.83)	27,400 (8.03)	31,300 (9.17)	35,200 (10.32)	39,000 (11.43)	N/A	N/A
HD*B-1000LD[ JD( )-D	4PES-12	16,900 (4.95)	21,700 (6.36)	26,500 (7.77)	31,300 (9.17)	36,200 (10.61)	41,100 (12.05)	46,100 (13.51)	51,300 (15.04)	56,500 (16.56)
HD*B-1200LD[ JF( )-D	4NES-14	24,000 (7.03)	30,400 (8.91)	36,900 (10.81)	43,600 (12.78)	50,500 (14.8)	57,800 (16.94)	65,400 (19.17)	73,400 (21.51)	81,900 (24)
HD*B-1200LD[ JU( )-D	4NES-14	24,800 (7.27)	31,400 (9.2)	38,200 (11.2)	45,200 (13.25)	52,500 (15.39)	60,300 (17.67)	68,400 (20.05)	77,200 (22.63)	86,500 (25.35)
HD*B-1400LD[ JF( )-D	4JE-15	30,700 (9)	37,600 (11.02)	44,700 (13.1)	52,100 (15.27)	59,800 (17.53)	67,800 (19.87)	76,200 (22.33)	85,000 (24.91)	94,300 (27.64)
HD*B-1400LD[ JU( )-D	4JE-15	31,800 (9.32)	39,000 (11.43)	46,500 (13.63)	54,200 (15.89)	62,400 (18.29)	71,000 (20.81)	80,100 (23.48)	89,800 (26.32)	100,000 (29.31)
HD*B-1600LD[ JF( )-D	4HE-18	37,900 (11.11)	45,400 (13.31)	53,100 (15.56)	61,000 (17.88)	69,100 (20.25)	77,700 (22.77)	86,500 (25.35)	95,800 (28.08)	105,500 (30.92)
HD*B-1600LD[ JU( )-D	4HE-18	39,300 (11.52)	47,200 (13.83)	55,300 (16.21)	63,700 (18.67)	72,500 (21.25)	81,900 (24)	91,700 (26.88)	102,100 (29.92)	113,100 (33.15)

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0050LD[ JA( )-D	2KES-05	1,500 (0.44)	1,900 (0.56)	2,400 (0.7)	2,900 (0.85)	3,400 (1.00)	4,000 (1.17)	4,700 (1.38)	5,400 (1.58)	6,100 (1.79)
HD*B-0050LD[ JB( )-D	2KES-05	1,500 (0.44)	1,900 (0.56)	2,400 (0.70)	2,900 (0.85)	3,500 (1.03)	4,100 (1.2)	4,800 (1.41)	5,500 (1.61)	6,300 (1.85)
HD*B-0070LD[ JA( )-D	2JES-07	1,900 (0.56)	2,400 (0.7)	3,000 (0.88)	3,700 (1.08)	4,400 (1.29)	5,100 (1.49)	6,000 (1.76)	6,800 (1.99)	7,800 (2.29)
HD*B-0070LD[ JB( )-D	2JES-07	1,900 (0.56)	2,500 (0.73)	3,100 (0.91)	3,800 (1.11)	4,500 (1.32)	5,300 (1.55)	6,200 (1.82)	7,100 (2.08)	8,100 (2.37)
HD*B-0100LD[ JA( )-D	2HES-1	2,600 (0.76)	3,300 (0.97)	4,000 (1.17)	4,800 (1.41)	5,600 (1.64)	6,500 (1.91)	7,500 (2.2)	8,500 (2.49)	9,600 (2.81)
HD*B-0100LD[ JB( )-D	2HES-1	2,700 (0.79)	3,400 (1)	4,200 (1.23)	5,000 (1.47)	5,900 (1.73)	6,900 (2.02)	7,900 (2.32)	9,000 (2.64)	10,200 (2.99)
HD*B-0150LD[ JA( )-D	2FES-2	3,600 (1.06)	4,400 (1.29)	5,300 (1.55)	6,100 (1.79)	7,000 (2.05)	7,900 (2.32)	8,900 (2.61)	10,000 (2.93)	11,200 (3.28)
HD*B-0150LD[ JB( )-D	2FES-2	3,800 (1.11)	4,600 (1.35)	5,500 (1.61)	6,500 (1.91)	7,500 (2.2)	8,500 (2.49)	9,700 (2.84)	10,900 (3.19)	12,300 (3.6)
HD*B-0200LD[ JA( )-D	2EES-2	4,400 (1.29)	5,500 (1.61)	6,700 (1.96)	7,900 (2.32)	9,200 (2.7)	10,500 (3.08)	11,900 (3.49)	13,300 (3.90)	14,800 (4.34)
HD*B-0200LD[ JB( )-D	2EES-2	4,700 (1.38)	5,900 (1.73)	7,200 (2.11)	8,500 (2.49)	9,900 (2.90)	11,400 (3.34)	13,000 (3.81)	14,700 (4.31)	16,600 (4.87)
HD*B-0220LD[ JA( )-D	2DES-2	5,300 (1.55)	6,600 (1.93)	8,000 (2.34)	9,400 (2.75)	10,800 (3.17)	12,200 (3.58)	13,800 (4.04)	15,300 (4.48)	17,000 (4.98)
HD*B-0220LD[ JB( )-D	2DES-2	5,700 (1.67)	7,200 (2.11)	8,700 (2.55)	10,200 (2.99)	11,800 (3.46)	13,500 (3.96)	15,400 (4.51)	17,300 (5.07)	19,400 (5.69)
HD*B-0300LD[ JA( )-D	2CES-3	6,700 (1.96)	8,300 (2.43)	9,800 (2.87)	11,400 (3.34)	13,000 (3.81)	14,700 (4.31)	16,300 (4.78)	18,000 (5.28)	N/A
HD*B-0300LD[ JB( )-D	2CES-3	7,400 (2.17)	9,100 (2.67)	10,800 (3.17)	12,700 (3.72)	14,600 (4.28)	16,600 (4.87)	18,700 (5.48)	20,900 (6.13)	23,200 (6.8)
HD*B-0400LD[ JB( )-D	4FES-3	6,500 (1.91)	8,100 (2.37)	9,900 (2.9)	11,700 (3.43)	13,700 (4.02)	15,700 (4.6)	17,900 (5.25)	20,200 (5.92)	22,700 (6.65)
HD*B-0400LD[ JD( )-D	4FES-3	6,800 (1.99)	8,600 (2.52)	10,500 (3.08)	12,400 (3.63)	14,600 (4.28)	16,900 (4.95)	19,400 (5.69)	22,000 (6.45)	24,900 (7.3)
HD*B-0500LD[ JB( )-D	4EES-4	9,700 (2.84)	11,900 (3.49)	14,000 (4.1)	16,300 (4.78)	18,600 (5.45)	20,900 (6.13)	23,400 (6.86)	25,900 (7.59)	28,600 (8.38)
HD*B-0500LD[ JD( )-D	4EES-4	10,300 (3.02)	12,600 (3.69)	15,000 (4.4)	17,400 (5.1)	20,000 (5.86)	22,700 (6.65)	25,600 (7.5)	28,700 (8.41)	31,900 (9.35)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Bitzer MV2 with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0600LD[ JB( )-D	4DES-5	10,100 (2.96)	12,500 (3.66)	14,900 (4.37)	17,300 (5.07)	19,900 (5.83)	22,500 (6.59)	25,200 (7.39)	28,100 (8.24)	31,000 (9.09)
HD*B-0600LD[ JD( )-D	4DES-5	10,900 (3.19)	13,400 (3.93)	16,100 (4.72)	18,900 (5.54)	21,800 (6.39)	24,900 (7.3)	28,200 (8.26)	31,700 (9.29)	35,400 (10.38)
HD*B-0650LD[ JB( )-D	4CES-6	12,800 (3.75)	15,600 (4.57)	18,400 (5.39)	21,100 (6.18)	24,000 (7.03)	26,900 (7.88)	29,800 (8.73)	N/A	N/A
HD*B-0650LD[ JD( )-D	4CES-6	14,000 (4.10)	17,000 (4.98)	20,200 (5.92)	23,400 (6.86)	26,800 (7.85)	30,300 (8.88)	34,000 (9.96)	37,900 (11.11)	42,000 (12.31)
HD*B-0700LD[ JB( )-D	4VES-7	10,200 (2.99)	13,500 (3.96)	16,800 (4.92)	20,000 (5.86)	23,100 (6.77)	26,200 (7.68)	29,400 (8.62)	N/A	N/A
HD*B-0700LD[ JD( )-D	4VES-7	11,300 (3.31)	14,900 (4.37)	18,500 (5.42)	22,100 (6.48)	25,800 (7.56)	29,600 (8.68)	33,400 (9.79)	37,500 (10.99)	41,700 (12.22)
HD*B-0900LD[ JB( )-D	4TES-9	12,700 (3.72)	16,500 (4.84)	20,200 (5.92)	23,800 (6.98)	27,200 (7.97)	N/A	N/A	N/A	N/A
HD*B-0900LD[ JD( )-D	4TES-9	14,200 (4.16)	18,400 (5.39)	22,600 (6.62)	26,700 (7.83)	30,900 (9.06)	35,100 (10.29)	39,400 (11.55)	43,700 (12.81)	48,200 (14.13)
HD*B-1000LD[ JB( )-D	4PES-12	12,300 (3.60)	16,500 (4.84)	20,500 (6.01)	24,300 (7.12)	28,000 (8.21)	N/A	N/A	N/A	N/A
HD*B-1000LD[ JD( )-D	4PES-12	13,900 (4.07)	18,500 (5.42)	23,100 (6.77)	27,600 (8.09)	32,100 (9.41)	36,700 (10.76)	41,300 (12.1)	46,000 (13.48)	N/A
HD*B-1200LD[ JF( )-D	4NES-14	20,100 (5.89)	26,200 (7.68)	32,400 (9.5)	38,600 (11.31)	45,100 (13.22)	51,700 (15.15)	58,700 (17.2)	66,000 (19.34)	73,700 (21.6)
HD*B-1200LD[ JU( )-D	4NES-14	20,700 (6.07)	27,100 (7.94)	33,500 (9.82)	40,000 (11.72)	46,800 (13.72)	53,900 (15.8)	61,400 (18)	69,400 (20.34)	77,900 (22.83)
HD*B-1400LD[ JF( )-D	4JE-15	26,200 (7.68)	32,900 (9.64)	39,600 (11.61)	46,500 (13.63)	53,700 (15.74)	61,100 (17.91)	68,800 (20.16)	76,900 (22.54)	85,300 (25)
HD*B-1400LD[ JU( )-D	4JE-15	27,200 (7.97)	34,100 (9.99)	41,200 (12.08)	48,500 (14.21)	56,100 (16.44)	64,100 (18.79)	72,500 (21.25)	81,300 (23.83)	90,700 (26.58)
HD*B-1600LD[ JF( )-D	4HE-18	33,500 (9.82)	40,500 (11.87)	47,700 (13.98)	54,900 (16.09)	62,400 (18.29)	70,200 (20.57)	78,300 (22.95)	86,700 (25.41)	95,400 (27.96)
HD*B-1600LD[ JU( )-D	4HE-18	34,700 (10.17)	42,100 (12.34)	49,600 (14.54)	57,400 (16.82)	65,600 (19.23)	74,100 (21.72)	83,000 (24.33)	92,500 (27.11)	102,500 (30.04)

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*B-0050LD[ ]A( )-D	2KES-05	A / Small	1/2	5/8	B
HD*B-0050LD[ ]B( )-D	2KES-05	B / Medium	1/2	5/8	C
HD*B-0070LD[ ]A( )-D	2JES-07	A / Small	1/2	5/8	B
HD*B-0070LD[ ]B( )-D	2JES-07	B / Medium	1/2	5/8	C
HD*B-0100LD[ ]A( )-D	2HES-1	A / Small	1/2	5/8	B
HD*B-0100LD[ ]B( )-D	2HES-1	B / Medium	1/2	5/8	C
HD*B-0150LD[ ]A( )-D	2FES-2	A / Small	1/2	5/8	B
HD*B-0150LD[ ]B( )-D	2FES-2	B / Medium	1/2	5/8	C
HD*B-0200LD[ ]A( )-D	2EES-2	A / Small	1/2	7/8	B
HD*B-0200LD[ ]B( )-D	2EES-2	B / Medium	1/2	7/8	C
HD*B-0220LD[ ]A( )-D	2DES-2	A / Small	1/2	7/8	B
HD*B-0220LD[ ]B( )-D	2DES-2	B / Medium	1/2	7/8	C
HD*B-0300LD[ ]A( )-D	2CES-3	A / Small	5/8	7/8	B
HD*B-0300LD[ ]B( )-D	2CES-3	B / Medium	5/8	7/8	C
HD*B-0400LD[ ]B( )-D	4FES-3	B / Medium	5/8	7/8	C
HD*B-0400LD[ ]D( )-D	4FES-3	D / Medium	5/8	7/8	E
HD*B-0500LD[ ]B( )-D	4EES-4	B / Medium	5/8	1-1/8	C
HD*B-0500LD[ ]D( )-D	4EES-4	D / Medium	5/8	1-1/8	E
HD*B-0600LD[ ]B( )-D	4DES-5	B / Medium	5/8	1-1/8	C
HD*B-0600LD[ ]D( )-D	4DES-5	D / Medium	5/8	1-1/8	E
HD*B-0650LD[ ]B( )-D	4CES-6	B / Medium	5/8	1-1/8	C
HD*B-0650LD[ ]D( )-D	4CES-6	D / Medium	5/8	1-1/8	E
HD*B-0700LD[ ]B( )-D	4VES-7	B / Medium	5/8	1-1/8	C
HD*B-0700LD[ ]D( )-D	4VES-7	D / Medium	5/8	1-1/8	E
HD*B-0900LD[ ]B( )-D	4TES-9	B / Medium	5/8	1-3/8	C
HD*B-0900LD[ ]D( )-D	4TES-9	D / Medium	5/8	1-3/8	E
HD*B-1000LD[ ]B( )-D	4PES-12	B / Medium	5/8	1-3/8	C
HD*B-1000LD[ ]D( )-D	4PES-12	D / Medium	5/8	1-3/8	E
HD*B-1200LD[ ]F( )-D	4NES-14	F / Large	5/8	1-3/8	F
HD*B-1200LD[ ]J( )-D	4NES-14	J / Extra Large	5/8	1-3/8	H
HD*B-1400LD[ ]F( )-D	4JE-15	F / Large	7/8	1-5/8	F
HD*B-1400LD[ ]J( )-D	4JE-15	J / Extra Large	7/8	1-5/8	H
HD*B-1600LD[ ]F( )-D	4HE-18	F / Large	7/8	1-5/8	F
HD*B-1600LD[ ]J( )-D	4HE-18	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Low Temperature Bitzer MV2 with R-454C Electrical, Capacity, and Configuration Data

#### Low Temperature Bitzer MV2 with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*B-0050LK[ ]A( )-A	2KES-05	N/A	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0050LK[ ]B( )-A	2KES-05	2.85	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0070LK[ ]A( )-D	2JES-07	2.9	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0070LK[ ]B( )-D	2JES-07	2.9	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0100LK[ ]A( )-D	2HES-1	2.95	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0100LK[ ]B( )-D	2HES-1	2.95	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0150LK[ ]A( )-D	2FES-2	3.04	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0150LK[ ]B( )-D	2FES-2	3.06	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0200LK[ ]A( )-D	2EES-2	3.12	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0200LK[ ]B( )-D	2EES-2	3.15	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0220LK[ ]A( )-D	2DES-2	3.15	13.1	1.2	20.6	30	6.4	0.7	10.2	15
HD*B-0220LK[ ]B( )-D	2DES-2	3.15	13.1	1.2	20.6	30	6.4	0.7	10.2	15
HD*B-0300LK[ ]A( )-D	2CES-3	3.15	14.9	1.2	22.8	35	7	0.7	11	15
HD*B-0300LK[ ]B( )-D	2CES-3	3.15	14.9	1.2	22.8	35	7	0.7	11	15
HD*B-0400LK[ ]B( )-D	4FES-3	3.15	20.1	1.2	29.3	45	9	0.7	13.5	20
HD*B-0400LK[ ]D( )-D	4FES-3	3.15	20.1	2.1	30.2	50	9	1.3	14.1	20
HD*B-0500LK[ ]B( )-D	4EES-4	3.15	22.4	1.2	32.2	50	10.3	0.7	15.1	25
HD*B-0500LK[ ]D( )-D	4EES-4	3.15	22.4	2.1	33.1	50	10.3	1.3	15.7	25
HD*B-0600LK[ ]B( )-D	4DES-5	3.15	23	1.2	33	50	12	0.7	17.2	25
HD*B-0600LK[ ]D( )-D	4DES-5	3.15	23	2.1	33.9	50	12	1.3	17.8	25
HD*B-0650LK[ ]B( )-D	4CES-6	3.15	27.9	1.2	39.1	60	15.8	0.7	22	35
HD*B-0650LK[ ]D( )-D	4CES-6	3.15	27.9	2.1	40	60	15.8	1.3	22.6	35
HD*B-0700LK[ ]B( )-D	4VES-7	3.15	27.1	1.2	38.1	60	13.6	0.7	19.2	30
HD*B-0700LK[ ]D( )-D	4VES-7	3.15	27.1	2.1	39	60	13.6	1.3	19.8	30
HD*B-0900LK[ ]B( )-D	4TES-9	3.15	31.4	1.2	43.5	70	15.7	0.7	21.8	35
HD*B-0900LK[ ]D( )-D	4TES-9	3.15	31.4	2.1	44.4	70	15.7	1.3	22.4	35
HD*B-1000LK[ ]B( )-D	4PES-12	3.15	38.6	1.2	52.5	90	19.3	0.7	26.3	45
HD*B-1000LK[ ]D( )-D	4PES-12	3.15	38.6	2.1	53.4	90	19.3	1.3	26.9	45
HD*B-1200LK[ ]F( )-D	4NES-14	3.15	44.3	3.2	61.6	100	22.1	1.9	31	50
HD*B-1200LK[ ]J( )-D	4NES-14	3.15	44.3	4.2	62.6	100	22.1	2.5	31.6	50
HD*B-1400LK[ ]F( )-D	4JE-15	3.15	55.7	3.2	75.8	125	27.9	1.9	38.3	60
HD*B-1400LK[ ]J( )-D	4JE-15	3.15	55.7	4.2	76.8	125	27.9	2.5	38.9	60
HD*B-1600LK[ ]F( )-D	4HE-18	3.15	60.3	3.2	81.6	125	30.1	1.9	41	70
HD*B-1600LK[ ]J( )-D	4HE-18	3.15	60.3	4.2	82.6	125	30.1	2.5	41.6	70

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0050LK[ JA( )-A	2KES-05	1,200 (0.35)	1,600 (0.47)	2,000 (0.59)	2,500 (0.73)	3,000 (0.88)	3,600 (1.06)	4,200 (1.23)	4,900 (1.44)	5,600 (1.64)
HD*B-0050LK[ JB( )-A	2KES-05	1,200 (0.35)	1,600 (0.47)	2,100 (0.62)	2,600 (0.76)	3,100 (0.91)	3,700 (1.08)	4,300 (1.26)	5,000 (1.47)	5,800 (1.7)
HD*B-0070LK[ JA( )-D	2JES-07	1,800 (0.53)	2,300 (0.67)	2,900 (0.85)	3,500 (1.03)	4,100 (1.2)	4,900 (1.44)	5,600 (1.64)	6,500 (1.91)	7,400 (2.17)
HD*B-0070LK[ JB( )-D	2JES-07	1,900 (0.56)	2,400 (0.7)	3,000 (0.88)	3,600 (1.06)	4,300 (1.26)	5,000 (1.47)	5,900 (1.73)	6,700 (1.96)	7,700 (2.26)
HD*B-0100LK[ JA( )-D	2HES-1	2,500 (0.73)	3,100 (0.91)	3,800 (1.11)	4,500 (1.32)	5,300 (1.55)	6,100 (1.79)	7,100 (2.08)	8,100 (2.37)	9,200 (2.7)
HD*B-0100LK[ JB( )-D	2HES-1	2,600 (0.76)	3,200 (0.94)	3,900 (1.14)	4,700 (1.38)	5,500 (1.61)	6,400 (1.88)	7,400 (2.17)	8,500 (2.49)	9,700 (2.84)
HD*B-0150LK[ JA( )-D	2FES-2	3,700 (1.08)	4,600 (1.35)	5,500 (1.61)	6,500 (1.91)	7,600 (2.23)	8,800 (2.58)	10,000 (2.93)	11,400 (3.34)	12,800 (3.75)
HD*B-0150LK[ JB( )-D	2FES-2	3,900 (1.14)	4,800 (1.41)	5,800 (1.7)	6,900 (2.02)	8,100 (2.37)	9,400 (2.75)	10,800 (3.17)	12,300 (3.6)	14,000 (4.1)
HD*B-0200LK[ JA( )-D	2EES-2	4,800 (1.41)	5,800 (1.7)	7,000 (2.05)	8,100 (2.37)	9,400 (2.75)	10,800 (3.17)	12,300 (3.6)	13,900 (4.07)	15,600 (4.57)
HD*B-0200LK[ JB( )-D	2EES-2	5,100 (1.49)	6,200 (1.82)	7,400 (2.17)	8,700 (2.55)	10,100 (2.96)	11,600 (3.4)	13,300 (3.9)	15,100 (4.43)	17,100 (5.01)
HD*B-0220LK[ JA( )-D	2DES-2	5,700 (1.67)	6,800 (1.99)	8,100 (2.37)	9,400 (2.75)	10,800 (3.17)	12,300 (3.6)	13,900 (4.07)	15,600 (4.57)	17,500 (5.13)
HD*B-0220LK[ JB( )-D	2DES-2	6,000 (1.76)	7,300 (2.14)	8,600 (2.52)	10,100 (2.96)	11,700 (3.43)	13,400 (3.93)	15,300 (4.48)	17,300 (5.07)	19,400 (5.69)
HD*B-0300LK[ JA( )-D	2CES-3	7,400 (2.17)	8,700 (2.55)	10,200 (2.99)	11,700 (3.43)	13,400 (3.93)	15,100 (4.43)	17,000 (4.98)	18,900 (5.54)	20,900 (6.13)
HD*B-0300LK[ JB( )-D	2CES-3	7,900 (2.32)	9,400 (2.75)	11,000 (3.22)	12,800 (3.75)	14,700 (4.31)	16,800 (4.92)	19,000 (5.57)	21,300 (6.24)	23,900 (7)
HD*B-0400LK[ JB( )-D	4FES-3	8,400 (2.46)	10,000 (2.93)	11,800 (3.46)	13,700 (4.02)	15,700 (4.60)	17,900 (5.25)	20,300 (5.95)	22,800 (6.68)	25,600 (7.5)
HD*B-0400LK[ JD( )-D	4FES-3	8,700 (2.55)	10,500 (3.08)	12,400 (3.63)	14,400 (4.22)	16,600 (4.87)	19,100 (5.6)	21,700 (6.36)	24,600 (7.21)	27,600 (8.09)
HD*B-0500LK[ JB( )-D	4EES-4	10,200 (2.99)	12,100 (3.55)	14,200 (4.16)	16,500 (4.84)	18,900 (5.54)	21,400 (6.27)	24,200 (7.09)	27,100 (7.94)	30,200 (8.85)
HD*B-0500LK[ JD( )-D	4EES-4	10,700 (3.14)	12,800 (3.75)	15,000 (4.4)	17,500 (5.13)	20,200 (5.92)	23,100 (6.77)	26,300 (7.71)	29,700 (8.7)	33,300 (9.76)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Bitzer MV2 with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0600LK[ JB( )-D	4DES-5	11,200 (3.28)	13,400 (3.93)	15,700 (4.60)	18,200 (5.33)	20,800 (6.1)	23,600 (6.92)	26,600 (7.8)	29,800 (8.73)	33,100 (9.7)
HD*B-0600LK[ JD( )-D	4DES-5	11,900 (3.49)	14,200 (4.16)	16,800 (4.92)	19,500 (5.72)	22,500 (6.59)	25,700 (7.53)	29,200 (8.56)	32,900 (9.64)	36,900 (10.81)
HD*B-0650LK[ JB( )-D	4CES-6	14,400 (4.22)	17,000 (4.98)	19,700 (5.77)	22,600 (6.62)	25,600 (7.5)	28,800 (8.44)	32,200 (9.44)	35,700 (10.46)	39,400 (11.55)
HD*B-0650LK[ JD( )-D	4CES-6	15,400 (4.51)	18,300 (5.36)	21,300 (6.24)	24,600 (7.21)	28,100 (8.24)	31,900 (9.35)	36,000 (10.55)	40,300 (11.81)	44,900 (13.16)
HD*B-0700LK[ JB( )-D	4VES-7	12,200 (3.58)	14,900 (4.37)	17,600 (5.16)	20,600 (6.04)	23,800 (6.98)	27,100 (7.94)	30,600 (8.97)	34,300 (10.05)	38,200 (11.2)
HD*B-0700LK[ JD( )-D	4VES-7	13,100 (3.84)	16,100 (4.72)	19,200 (5.63)	22,700 (6.65)	26,300 (7.71)	30,300 (8.88)	34,500 (10.11)	39,000 (11.43)	43,800 (12.84)
HD*B-0900LK[ JB( )-D	4TES-9	15,000 (4.4)	18,000 (5.28)	21,100 (6.18)	24,400 (7.15)	27,800 (8.15)	31,500 (9.23)	35,100 (10.29)	39,100 (11.46)	N/A
HD*B-0900LK[ JD( )-D	4TES-9	16,300 (4.78)	19,700 (5.77)	23,400 (6.86)	27,300 (8)	31,400 (9.2)	35,800 (10.49)	40,500 (11.87)	45,500 (13.34)	50,800 (14.89)
HD*B-1000LK[ JB( )-D	4PES-12	15,500 (4.54)	18,700 (5.48)	22,100 (6.48)	25,600 (7.5)	29,300 (8.59)	33,000 (9.67)	37,000 (10.84)	41,100 (12.05)	N/A
HD*B-1000LK[ JD( )-D	4PES-12	17,100 (5.01)	20,800 (6.1)	24,800 (7.27)	29,000 (8.5)	33,500 (9.82)	38,400 (11.25)	43,500 (12.75)	48,900 (14.33)	54,600 (16)
HD*B-1200LK[ JF( )-D	4NES-14	23,600 (6.92)	28,600 (8.38)	34,000 (9.96)	39,900 (11.69)	46,300 (13.57)	53,200 (15.59)	60,700 (17.79)	68,700 (20.13)	77,300 (22.66)
HD*B-1200LK[ JU( )-D	4NES-14	24,100 (7.06)	29,300 (8.59)	35,000 (10.26)	41,200 (12.08)	47,900 (14.04)	55,300 (16.21)	63,200 (18.52)	71,800 (21.04)	81,100 (23.77)
HD*B-1400LK[ JF( )-D	4JE-15	28,000 (8.21)	33,900 (9.94)	40,200 (11.78)	46,900 (13.75)	54,000 (15.83)	61,700 (18.08)	70,000 (20.52)	78,800 (23.09)	88,100 (25.82)
HD*B-1400LK[ JU( )-D	4JE-15	28,800 (8.44)	34,900 (10.23)	41,500 (12.16)	48,500 (14.21)	56,100 (16.44)	64,300 (18.85)	73,100 (21.42)	82,500 (24.18)	92,600 (27.14)
HD*B-1600LK[ JF( )-D	4HE-18	33,300 (9.76)	40,000 (11.72)	47,000 (13.77)	54,500 (15.97)	62,400 (18.29)	70,900 (20.78)	79,800 (23.39)	89,400 (26.2)	99,500 (29.16)
HD*B-1600LK[ JU( )-D	4HE-18	34,300 (10.05)	41,300 (12.1)	48,700 (14.27)	56,600 (16.59)	65,100 (19.08)	74,200 (21.75)	83,900 (24.59)	94,400 (27.67)	105,500 (30.92)

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0050LK[ JA( )-A	2KES-05	900 (0.26)	1,300 (0.38)	1,700 (0.5)	2,200 (0.64)	2,600 (0.76)	3,100 (0.91)	3,700 (1.08)	4,300 (1.26)	5,000 (1.47)
HD*B-0050LK[ JB( )-A	2KES-05	1,000 (0.29)	1,300 (0.38)	1,800 (0.53)	2,200 (0.64)	2,700 (0.79)	3,200 (0.94)	3,800 (1.11)	4,500 (1.32)	5,200 (1.52)
HD*B-0070LK[ JA( )-D	2JES-07	1,500 (0.44)	2,000 (0.59)	2,500 (0.73)	3,100 (0.91)	3,600 (1.06)	4,300 (1.26)	5,000 (1.47)	5,800 (1.7)	6,600 (1.93)
HD*B-0070LK[ JB( )-D	2JES-07	1,500 (0.44)	2,000 (0.59)	2,600 (0.76)	3,200 (0.94)	3,800 (1.11)	4,500 (1.32)	5,200 (1.52)	6,000 (1.76)	6,900 (2.02)
HD*B-0100LK[ JA( )-D	2HES-1	2,100 (0.62)	2,600 (0.76)	3,200 (0.94)	3,900 (1.14)	4,600 (1.35)	5,400 (1.58)	6,300 (1.85)	7,200 (2.11)	8,200 (2.4)
HD*B-0100LK[ JB( )-D	2HES-1	2,100 (0.62)	2,700 (0.79)	3,400 (1)	4,100 (1.2)	4,900 (1.44)	5,700 (1.67)	6,600 (1.93)	7,600 (2.23)	8,700 (2.55)
HD*B-0150LK[ JA( )-D	2FES-2	3,100 (0.91)	3,900 (1.14)	4,700 (1.38)	5,700 (1.67)	6,700 (1.96)	7,700 (2.26)	8,900 (2.61)	10,100 (2.96)	11,400 (3.34)
HD*B-0150LK[ JB( )-D	2FES-2	3,300 (0.97)	4,100 (1.2)	5,000 (1.47)	6,000 (1.76)	7,100 (2.08)	8,300 (2.43)	9,600 (2.81)	11,000 (3.22)	12,500 (3.66)
HD*B-0200LK[ JA( )-D	2EES-2	4,100 (1.2)	5,100 (1.49)	6,100 (1.79)	7,200 (2.11)	8,400 (2.46)	9,700 (2.84)	11,100 (3.25)	12,500 (3.66)	14,100 (4.13)
HD*B-0200LK[ JB( )-D	2EES-2	4,400 (1.29)	5,400 (1.58)	6,500 (1.91)	7,700 (2.26)	9,000 (2.64)	10,500 (3.08)	12,000 (3.52)	13,700 (4.02)	15,500 (4.54)
HD*B-0220LK[ JA( )-D	2DES-2	4,900 (1.44)	6,000 (1.76)	7,100 (2.08)	8,400 (2.46)	9,700 (2.84)	11,100 (3.25)	12,600 (3.69)	14,200 (4.16)	15,800 (4.63)
HD*B-0220LK[ JB( )-D	2DES-2	5,200 (1.52)	6,400 (1.88)	7,600 (2.23)	9,000 (2.64)	10,500 (3.08)	12,100 (3.55)	13,800 (4.04)	15,700 (4.6)	17,700 (5.19)
HD*B-0300LK[ JA( )-D	2CES-3	6,500 (1.91)	7,800 (2.29)	9,100 (2.67)	10,500 (3.08)	12,000 (3.52)	13,700 (4.02)	15,300 (4.48)	17,100 (5.01)	19,000 (5.57)
HD*B-0300LK[ JB( )-D	2CES-3	7,000 (2.05)	8,400 (2.46)	9,900 (2.9)	11,500 (3.37)	13,300 (3.9)	15,200 (4.45)	17,200 (5.04)	19,400 (5.69)	21,800 (6.39)
HD*B-0400LK[ JB( )-D	4FES-3	7,400 (2.17)	8,900 (2.61)	10,500 (3.08)	12,300 (3.6)	14,100 (4.13)	16,200 (4.75)	18,400 (5.39)	20,700 (6.07)	23,300 (6.83)
HD*B-0400LK[ JD( )-D	4FES-3	7,700 (2.26)	9,300 (2.73)	11,000 (3.22)	12,900 (3.78)	15,000 (4.4)	17,200 (5.04)	19,700 (5.77)	22,300 (6.54)	25,200 (7.39)
HD*B-0500LK[ JB( )-D	4EES-4	8,900 (2.61)	10,700 (3.14)	12,600 (3.69)	14,700 (4.31)	16,900 (4.95)	19,300 (5.66)	21,900 (6.42)	24,500 (7.18)	27,400 (8.03)
HD*B-0500LK[ JD( )-D	4EES-4	9,400 (2.75)	11,300 (3.31)	13,400 (3.93)	15,700 (4.6)	18,200 (5.33)	20,900 (6.13)	23,800 (6.98)	26,900 (7.88)	30,300 (8.88)

\* Base Type  
 [ ] Voltage  
 ( ) Receiver Size

# H-Series A2L

## Specifications

Low Temperature Bitzer MV2 with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)								
		-40° F (-40° C)	-35° F (-37.2° C)	-30° F (-34.4° C)	-25° F (-31.7° C)	-20° F (-28.9° C)	-15° F (-26.1° C)	-10° F (-23.3° C)	-5° F (-20.6° C)	0° F (-17.8° C)
HD*B-0600LK[ JB( )-D	4DES-5	9,800 (2.87)	11,800 (3.46)	14,000 (4.1)	16,200 (4.75)	18,700 (5.48)	21,300 (6.24)	24,000 (7.03)	26,900 (7.88)	30,000 (8.79)
HD*B-0600LK[ JD( )-D	4DES-5	10,400 (3.05)	12,600 (3.69)	14,900 (4.37)	17,500 (5.13)	20,200 (5.92)	23,200 (6.8)	26,400 (7.74)	29,900 (8.76)	33,600 (9.85)
HD*B-0650LK[ JB( )-D	4CES-6	12,800 (3.75)	15,200 (4.45)	17,700 (5.19)	20,300 (5.95)	23,000 (6.74)	26,000 (7.62)	29,200 (8.56)	N/A	N/A
HD*B-0650LK[ JD( )-D	4CES-6	13,700 (4.02)	16,300 (4.78)	19,100 (5.6)	22,200 (6.51)	25,400 (7.44)	28,900 (8.47)	32,700 (9.58)	36,700 (10.76)	40,900 (11.99)
HD*B-0700LK[ JB( )-D	4VES-7	10,300 (3.02)	12,800 (3.75)	15,300 (4.48)	18,100 (5.3)	21,000 (6.15)	24,000 (7.03)	27,300 (8)	30,800 (9.03)	N/A
HD*B-0700LK[ JD( )-D	4VES-7	11,200 (3.28)	13,900 (4.07)	16,800 (4.92)	19,900 (5.83)	23,300 (6.83)	27,000 (7.91)	30,900 (9.06)	35,100 (10.29)	39,500 (11.58)
HD*B-0900LK[ JB( )-D	4TES-9	12,900 (3.78)	15,600 (4.57)	18,500 (5.42)	21,500 (6.3)	24,600 (7.21)	27,900 (8.18)	N/A	N/A	N/A
HD*B-0900LK[ JD( )-D	4TES-9	14,100 (4.13)	17,200 (5.04)	20,500 (6.01)	24,100 (7.06)	27,900 (8.18)	32,000 (9.38)	36,400 (10.67)	40,900 (11.99)	45,900 (13.45)
HD*B-1000LK[ JB( )-D	4PES-12	13,100 (3.84)	16,000 (4.69)	19,100 (5.60)	22,200 (6.51)	25,600 (7.5)	29,200 (8.56)	N/A	N/A	N/A
HD*B-1000LK[ JD( )-D	4PES-12	14,500 (4.25)	17,900 (5.25)	21,500 (6.3)	25,400 (7.44)	29,600 (8.68)	34,000 (9.96)	38,600 (11.31)	43,600 (12.78)	48,900 (14.33)
HD*B-1200LK[ JF( )-D	4NES-14	20,400 (5.98)	25,000 (7.33)	29,900 (8.76)	35,400 (10.38)	41,200 (12.08)	47,600 (13.95)	54,400 (15.94)	61,900 (18.14)	69,800 (20.46)
HD*B-1200LK[ JU( )-D	4NES-14	20,900 (6.13)	25,600 (7.5)	30,800 (9.03)	36,500 (10.7)	42,700 (12.51)	49,400 (14.48)	56,700 (16.62)	64,700 (18.96)	73,300 (21.48)
HD*B-1400LK[ JF( )-D	4JE-15	24,400 (7.15)	29,800 (8.73)	35,600 (10.43)	41,800 (12.25)	48,400 (14.19)	55,500 (16.27)	63,200 (18.52)	71,400 (20.93)	80,200 (23.51)
HD*B-1400LK[ JU( )-D	4JE-15	25,100 (7.36)	30,700 (9)	36,800 (10.79)	43,300 (12.69)	50,300 (14.74)	57,900 (16.97)	66,100 (19.37)	74,900 (21.95)	84,400 (24.74)
HD*B-1600LK[ JF( )-D	4HE-18	29,300 (8.59)	35,400 (10.38)	41,900 (12.28)	48,800 (14.3)	56,100 (16.44)	63,900 (18.73)	72,200 (21.16)	80,900 (23.71)	90,300 (26.47)
HD*B-1600LK[ JU( )-D	4HE-18	30,300 (8.88)	36,600 (10.73)	43,500 (12.75)	50,800 (14.89)	58,600 (17.17)	67,000 (19.64)	76,000 (22.27)	85,700 (25.12)	96,100 (28.17)

\* Base Type

[ ] Voltage

( ) Receiver Size

### Low Temperature Bitzer MV2 with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*B-0050LK[ ]A( )-A	2KES-05	A / Small	1/2	5/8	B
HD*B-0050LK[ ]B( )-A	2KES-05	B / Medium	1/2	5/8	C
HD*B-0070LK[ ]A( )-D	2JES-07	A / Small	1/2	5/8	B
HD*B-0070LK[ ]B( )-D	2JES-07	B / Medium	1/2	5/8	C
HD*B-0100LK[ ]A( )-D	2HES-1	A / Small	1/2	5/8	B
HD*B-0100LK[ ]B( )-D	2HES-1	B / Medium	1/2	5/8	C
HD*B-0150LK[ ]A( )-D	2FES-2	A / Small	1/2	5/8	B
HD*B-0150LK[ ]B( )-D	2FES-2	B / Medium	1/2	5/8	C
HD*B-0200LK[ ]A( )-D	2EES-2	A / Small	1/2	7/8	B
HD*B-0200LK[ ]B( )-D	2EES-2	B / Medium	1/2	7/8	C
HD*B-0220LK[ ]A( )-D	2DES-2	A / Small	1/2	7/8	B
HD*B-0220LK[ ]B( )-D	2DES-2	B / Medium	1/2	7/8	C
HD*B-0300LK[ ]A( )-D	2CES-3	A / Small	5/8	7/8	B
HD*B-0300LK[ ]B( )-D	2CES-3	B / Medium	5/8	7/8	C
HD*B-0400LK[ ]B( )-D	4FES-3	B / Medium	5/8	7/8	C
HD*B-0400LK[ ]D( )-D	4FES-3	D / Medium	5/8	7/8	E
HD*B-0500LK[ ]B( )-D	4EES-4	B / Medium	5/8	1-1/8	C
HD*B-0500LK[ ]D( )-D	4EES-4	D / Medium	5/8	1-1/8	E
HD*B-0600LK[ ]B( )-D	4DES-5	B / Medium	5/8	1-1/8	C
HD*B-0600LK[ ]D( )-D	4DES-5	D / Medium	5/8	1-1/8	E
HD*B-0650LK[ ]B( )-D	4CES-6	B / Medium	5/8	1-1/8	C
HD*B-0650LK[ ]D( )-D	4CES-6	D / Medium	5/8	1-1/8	E
HD*B-0700LK[ ]B( )-D	4VES-7	B / Medium	5/8	1-1/8	C
HD*B-0700LK[ ]D( )-D	4VES-7	D / Medium	5/8	1-1/8	E
HD*B-0900LK[ ]B( )-D	4TES-9	B / Medium	5/8	1-3/8	C
HD*B-0900LK[ ]D( )-D	4TES-9	D / Medium	5/8	1-3/8	E
HD*B-1000LK[ ]B( )-D	4PES-12	B / Medium	5/8	1-3/8	C
HD*B-1000LK[ ]D( )-D	4PES-12	D / Medium	5/8	1-3/8	E
HD*B-1200LK[ ]F( )-D	4NES-14	F / Large	5/8	1-3/8	F
HD*B-1200LK[ ]J( )-D	4NES-14	J / Extra Large	5/8	1-3/8	H
HD*B-1400LK[ ]F( )-D	4JE-15	F / Large	7/8	1-5/8	F
HD*B-1400LK[ ]J( )-D	4JE-15	J / Extra Large	7/8	1-5/8	H
HD*B-1600LK[ ]F( )-D	4HE-18	F / Large	7/8	1-5/8	F
HD*B-1600LK[ ]J( )-D	4HE-18	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV2 with R-454A Electrical, Capacity, and Configuration Data

#### Medium Temperature Bitzer MV2 with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*B-0050MD[ ]B( )-D	2KES-05	7.6	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0070MD[ ]B( )-D	2JES-07	7.6	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0070MD[ ]D( )-D	2JES-07	7.6	6.7	2.1	13.5	20	3.2	1.3	6.8	15
HD*B-0100MD[ ]B( )-D	2HES-1	7.6	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0100MD[ ]D( )-D	2HES-1	7.6	7.3	2.1	14.2	20	3.4	1.3	7.1	15
HD*B-0150MD[ ]B( )-D	2FES-2	7.6	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0150MD[ ]D( )-D	2FES-2	7.6	10	2.1	17.6	25	4.6	1.3	8.6	15
HD*B-0200MD[ ]B( )-D	2EES-2	7.6	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0200MD[ ]D( )-D	2EES-2	7.6	12	2.1	20.1	30	5.4	1.3	9.6	15
HD*B-0220MD[ ]D( )-D	2DES-2	7.6	13.1	2.1	21.5	30	6.4	1.3	10.8	15
HD*B-0220MD[ ]F( )-D	2DES-2	7.6	13.1	3.2	22.6	35	6.4	1.9	11.4	15
HD*B-0300MD[ ]D( )-D	2CES-3	7.6	14.9	2.1	23.7	35	7	1.3	11.6	15
HD*B-0300MD[ ]F( )-D	2CES-3	7.6	14.9	3.2	24.8	35	7	1.9	12.2	15
HD*B-0400MD[ ]F( )-D	4FES-3	7.6	20.1	3.2	31.3	50	9	1.9	14.7	20
HD*B-0400MD[ ]J( )-D	4FES-3	7.6	20.1	4.2	32.3	50	9	2.5	15.3	20
HD*B-0500MD[ ]F( )-D	4EES-4	7.6	22.4	3.2	34.2	50	10.3	1.9	16.3	25
HD*B-0500MD[ ]J( )-D	4EES-4	7.6	22.4	4.2	35.2	50	10.3	2.5	16.9	25
HD*B-0600MD[ ]F( )-D	4DES-5	7.6	23	3.2	35	50	12	1.9	18.4	30
HD*B-0600MD[ ]J( )-D	4DES-5	7.6	23	4.2	36	50	12	2.5	19	30
HD*B-0650MD[ ]F( )-D	4CES-6	7.6	27.9	3.2	41.1	60	15.8	1.9	23.2	35
HD*B-0650MD[ ]J( )-D	4CES-6	7.6	27.9	4.2	42.1	70	15.8	2.5	23.8	35
HD*B-0700MD[ ]F( )-D	4VES-7	7.6	27.1	3.2	40.1	60	13.6	1.9	20.4	30
HD*B-0700MD[ ]J( )-D	4VES-7	7.6	27.1	4.2	41.1	60	13.6	2.5	21	30
HD*B-0900MD[ ]J( )-D	4TES-9	7.6	31.4	4.2	46.5	70	15.7	2.5	23.6	35
HD*B-1000MD[ ]J( )-D	4PES-12	7.6	38.6	4.2	55.5	90	19.3	2.5	28.1	45
HD*B-1200MD[ ]J( )-D	4NES-14	7.6	44.3	4.2	62.6	100	22.1	2.5	31.6	50
HD*B-1400MD[ ]J( )-D	4JE-15	7.6	55.7	4.2	76.8	125	27.9	2.5	38.9	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454A Capacity at 95° F (35° C) Ambient Temperature)

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0050MD[ JB( )-D	2KES-05	6,800 (1.99)	7,800 (2.29)	8,700 (2.55)	9,800 (2.87)	10,900 (3.19)	12,100 (3.55)	13,400 (3.93)	N/A	N/A	N/A
HD*B-0070MD[ JB( )-D	2JES-07	8,700 (2.55)	9,900 (2.9)	11,100 (3.25)	12,400 (3.63)	13,800 (4.04)	15,400 (4.51)	17,000 (4.98)	N/A	N/A	N/A
HD*B-0070MD[ JD( )-D	2JES-07	8,900 (2.61)	10,100 (2.96)	11,400 (3.34)	12,700 (3.72)	14,200 (4.16)	15,800 (4.63)	17,500 (5.13)	N/A	N/A	N/A
HD*B-0100MD[ JB( )-D	2HES-1	11,100 (3.25)	12,500 (3.66)	14,000 (4.1)	15,600 (4.57)	17,300 (5.07)	19,100 (5.6)	21,000 (6.15)	N/A	N/A	N/A
HD*B-0100MD[ JD( )-D	2HES-1	11,500 (3.37)	12,900 (3.78)	14,500 (4.25)	16,200 (4.75)	18,000 (5.28)	19,900 (5.83)	22,000 (6.45)	N/A	N/A	N/A
HD*B-0150MD[ JB( )-D	2FES-2	13,800 (4.04)	15,500 (4.54)	17,300 (5.07)	19,300 (5.66)	21,500 (6.3)	23,800 (6.98)	26,400 (7.74)	N/A	N/A	N/A
HD*B-0150MD[ JD( )-D	2FES-2	14,600 (4.28)	16,400 (4.81)	18,400 (5.39)	20,700 (6.07)	23,100 (6.77)	25,800 (7.56)	28,600 (8.38)	N/A	N/A	N/A
HD*B-0200MD[ JB( )-D	2EES-2	18,300 (5.36)	20,500 (6.01)	22,800 (6.68)	25,200 (7.39)	27,800 (8.15)	30,600 (8.97)	33,500 (9.82)	N/A	N/A	N/A
HD*B-0200MD[ JD( )-D	2EES-2	19,400 (5.69)	21,800 (6.39)	24,300 (7.12)	27,100 (7.94)	30,100 (8.82)	33,300 (9.76)	36,700 (10.76)	N/A	N/A	N/A
HD*B-0220MD[ JD( )-D	2DES-2	22,800 (6.68)	25,500 (7.47)	28,500 (8.35)	31,600 (9.26)	35,000 (10.26)	38,500 (11.28)	42,400 (12.43)	N/A	N/A	N/A
HD*B-0220MD[ JF( )-D	2DES-2	24,400 (7.15)	27,500 (8.06)	30,800 (9.03)	34,400 (10.08)	38,400 (11.25)	42,600 (12.49)	47,200 (13.83)	N/A	N/A	N/A
HD*B-0300MD[ JD( )-D	2CES-3	27,600 (8.09)	30,800 (9.03)	34,100 (9.99)	37,700 (11.05)	41,600 (12.19)	45,600 (13.36)	49,900 (14.62)	N/A	N/A	N/A
HD*B-0300MD[ JF( )-D	2CES-3	29,900 (8.76)	33,600 (9.85)	37,500 (10.99)	41,800 (12.25)	46,400 (13.6)	51,400 (15.06)	56,800 (16.65)	N/A	N/A	N/A
HD*B-0400MD[ JF( )-D	4FES-3	30,400 (8.91)	34,400 (10.08)	38,800 (11.37)	43,500 (12.75)	48,600 (14.24)	54,000 (15.83)	59,900 (17.56)	N/A	N/A	N/A
HD*B-0400MD[ J( )-D	4FES-3	31,000 (9.09)	35,100 (10.29)	39,600 (11.61)	44,500 (13.04)	49,800 (14.6)	55,500 (16.27)	61,700 (18.08)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0500MD[ JF( )-D	4EES-4	39,200 (11.49)	43,900 (12.87)	48,900 (14.33)	54,400 (15.94)	60,300 (17.67)	66,600 (19.52)	73,400 (21.51)	N/A	N/A	N/A
HD*B-0500MD[ J( )-D	4EES-4	40,100 (11.75)	44,900 (13.16)	50,200 (14.71)	55,900 (16.38)	62,100 (18.20)	68,800 (20.16)	76,000 (22.27)	N/A	N/A	N/A
HD*B-0600MD[ JF( )-D	4DES-5	44,900 (13.16)	50,500 (14.8)	56,400 (16.53)	62,900 (18.43)	69,700 (20.43)	77,100 (22.6)	85,000 (24.91)	N/A	N/A	N/A
HD*B-0600MD[ J( )-D	4DES-5	46,200 (13.54)	52,000 (15.24)	58,200 (17.06)	65,000 (19.05)	72,400 (21.22)	80,200 (23.51)	88,700 (26)	N/A	N/A	N/A
HD*B-0650MD[ JF( )-D	4CES-6	54,500 (15.97)	60,900 (17.85)	67,800 (19.87)	75,100 (22.01)	83,000 (24.33)	91,400 (26.79)	100,200 (29.37)	N/A	N/A	N/A
HD*B-0650MD[ J( )-D	4CES-6	56,300 (16.5)	63,000 (18.46)	70,400 (20.63)	78,200 (22.92)	86,700 (25.41)	95,800 (28.08)	105,400 (30.89)	N/A	N/A	N/A
HD*B-0700MD[ JF( )-D	4VES-7	55,100 (16.15)	61,700 (18.08)	68,800 (20.16)	76,400 (22.39)	84,600 (24.79)	93,400 (27.37)	102,700 (30.1)	N/A	N/A	N/A
HD*B-0700MD[ J( )-D	4VES-7	57,000 (16.71)	64,100 (18.79)	71,700 (21.01)	80,000 (23.45)	88,900 (26.06)	98,400 (28.84)	108,600 (31.83)	N/A	N/A	N/A
HD*B-0900MD[ J( )-D	4TES-9	68,000 (19.93)	76,000 (22.27)	84,700 (24.82)	94,000 (27.55)	104,000 (30.48)	114,600 (33.59)	126,000 (36.93)	N/A	N/A	N/A
HD*B-1000MD[ J( )-D	4PES-12	74,500 (21.83)	83,500 (24.47)	93,100 (27.29)	103,500 (30.33)	114,500 (33.56)	126,300 (37.02)	138,800 (40.68)	N/A	N/A	N/A
HD*B-1200MD[ J( )-D	4NES-14	86,500 (25.35)	96,400 (28.25)	107,000 (31.36)	118,200 (34.64)	130,200 (38.16)	142,900 (41.88)	156,300 (45.81)	N/A	N/A	N/A
HD*B-1400MD[ J( )-D	4JE-15	100,000 (29.31)	110,800 (32.47)	122,300 (35.84)	134,400 (39.39)	147,100 (43.11)	160,500 (47.04)	174,500 (51.14)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0050MD[ JB( )-D	2KES-05	6,300 (1.85)	7,200 (2.11)	8,100 (2.37)	9,100 (2.67)	10,200 (2.99)	11,300 (3.31)	12,500 (3.66)	N/A	N/A	N/A
HD*B-0070MD[ JB( )-D	2JES-07	8,100 (2.37)	9,200 (2.7)	10,400 (3.05)	11,600 (3.4)	12,900 (3.78)	14,400 (4.22)	15,900 (4.66)	N/A	N/A	N/A
HD*B-0070MD[ JD( )-D	2JES-07	8,300 (2.43)	9,400 (2.75)	10,600 (3.11)	11,900 (3.49)	13,300 (3.9)	14,800 (4.34)	16,400 (4.81)	N/A	N/A	N/A
HD*B-0100MD[ JB( )-D	2HES-1	10,200 (2.99)	11,500 (3.37)	12,900 (3.78)	14,300 (4.19)	15,900 (4.66)	17,600 (5.16)	19,400 (5.69)	N/A	N/A	N/A
HD*B-0100MD[ JD( )-D	2HES-1	10,500 (3.08)	11,900 (3.49)	13,300 (3.9)	14,900 (4.37)	16,600 (4.87)	18,400 (5.39)	20,400 (5.98)	N/A	N/A	N/A
HD*B-0150MD[ JB( )-D	2FES-2	12,300 (3.6)	13,800 (4.04)	15,500 (4.54)	17,300 (5.07)	19,300 (5.66)	21,400 (6.27)	23,700 (6.95)	N/A	N/A	N/A
HD*B-0150MD[ JD( )-D	2FES-2	13,000 (3.81)	14,700 (4.31)	16,500 (4.84)	18,500 (5.42)	20,800 (6.1)	23,200 (6.8)	25,900 (7.59)	N/A	N/A	N/A
HD*B-0200MD[ JB( )-D	2EES-2	16,600 (4.87)	18,600 (5.45)	20,700 (6.07)	22,900 (6.71)	25,300 (7.42)	27,900 (8.18)	30,600 (8.97)	N/A	N/A	N/A
HD*B-0200MD[ JD( )-D	2EES-2	17,600 (5.16)	19,800 (5.8)	22,100 (6.48)	24,700 (7.24)	27,500 (8.06)	30,400 (8.91)	33,600 (9.85)	N/A	N/A	N/A
HD*B-0220MD[ JD( )-D	2DES-2	20,800 (6.1)	23,300 (6.83)	25,900 (7.59)	28,800 (8.44)	31,900 (9.35)	35,200 (10.32)	38,800 (11.37)	N/A	N/A	N/A
HD*B-0220MD[ JF( )-D	2DES-2	22,300 (6.54)	25,100 (7.36)	28,200 (8.26)	31,500 (9.23)	35,200 (10.32)	39,100 (11.46)	43,400 (12.72)	N/A	N/A	N/A
HD*B-0300MD[ JD( )-D	2CES-3	25,200 (7.39)	28,100 (8.24)	31,200 (9.14)	34,500 (10.11)	38,000 (11.14)	41,700 (12.22)	45,700 (13.39)	N/A	N/A	N/A
HD*B-0300MD[ JF( )-D	2CES-3	27,400 (8.03)	30,800 (9.03)	34,400 (10.08)	38,400 (11.25)	42,600 (12.49)	47,300 (13.86)	52,200 (15.3)	N/A	N/A	N/A
HD*B-0400MD[ JF( )-D	4FES-3	27,400 (8.03)	31,100 (9.11)	35,100 (10.29)	39,400 (11.55)	44,100 (12.92)	49,200 (14.42)	54,700 (16.03)	N/A	N/A	N/A
HD*B-0400MD[ J( )-D	4FES-3	27,900 (8.18)	31,700 (9.29)	35,900 (10.52)	40,400 (11.84)	45,300 (13.28)	50,600 (14.83)	56,400 (16.53)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0500MD[ JF( )-D	4EES-4	35,800 (10.49)	40,100 (11.75)	44,700 (13.1)	49,700 (14.57)	55,200 (16.18)	61,000 (17.88)	67,300 (19.72)	N/A	N/A	N/A
HD*B-0500MD[ J( )-D	4EES-4	36,600 (10.73)	41,000 (12.02)	45,900 (13.45)	51,200 (15.01)	56,900 (16.68)	63,100 (18.49)	69,700 (20.43)	N/A	N/A	N/A
HD*B-0600MD[ JF( )-D	4DES-5	40,700 (11.93)	45,700 (13.39)	51,200 (15.01)	57,100 (16.74)	63,500 (18.61)	70,300 (20.6)	77,600 (22.74)	N/A	N/A	N/A
HD*B-0600MD[ J( )-D	4DES-5	41,800 (12.25)	47,100 (13.8)	52,900 (15.5)	59,200 (17.35)	65,900 (19.31)	73,200 (21.45)	81,100 (23.77)	N/A	N/A	N/A
HD*B-0650MD[ JF( )-D	4CES-6	49,500 (14.51)	55,400 (16.24)	61,700 (18.08)	68,400 (20.05)	75,700 (22.19)	83,400 (24.44)	91,600 (26.85)	N/A	N/A	N/A
HD*B-0650MD[ J( )-D	4CES-6	51,200 (15.01)	57,400 (16.82)	64,100 (18.79)	71,400 (20.93)	79,200 (23.21)	87,500 (25.64)	96,500 (28.28)	N/A	N/A	N/A
HD*B-0700MD[ JF( )-D	4VES-7	49,500 (14.51)	55,600 (16.3)	62,100 (18.2)	69,100 (20.25)	76,600 (22.45)	84,600 (24.79)	93,200 (27.32)	N/A	N/A	N/A
HD*B-0700MD[ J( )-D	4VES-7	51,300 (15.04)	57,800 (16.94)	64,800 (18.99)	72,300 (21.19)	80,500 (23.59)	89,200 (26.14)	98,700 (28.93)	N/A	N/A	N/A
HD*B-0900MD[ J( )-D	4TES-9	61,400 (18)	68,700 (20.13)	76,700 (22.48)	85,200 (24.97)	94,300 (27.64)	104,100 (30.51)	114,600 (33.59)	N/A	N/A	N/A
HD*B-1000MD[ J( )-D	4PES-12	66,800 (19.58)	75,000 (21.98)	83,800 (24.56)	93,300 (27.34)	103,400 (30.3)	114,200 (33.47)	125,700 (36.84)	N/A	N/A	N/A
HD*B-1200MD[ J( )-D	4NES-14	77,900 (22.83)	86,900 (25.47)	96,600 (28.31)	106,900 (31.33)	117,800 (34.53)	129,500 (37.95)	141,800 (41.56)	N/A	N/A	N/A
HD*B-1400MD[ J( )-D	4JE-15	90,700 (26.58)	100,600 (29.48)	111,100 (32.56)	122,200 (35.81)	133,900 (39.24)	146,200 (42.85)	N/A	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

### Medium Temperature Bitzer MV2 with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*B-0050MD[ ]B( )-D	2KES-05	B / Medium	1/2	5/8	C
HD*B-0070MD[ ]B( )-D	2JES-07	B / Medium	1/2	5/8	C
HD*B-0070MD[ ]D( )-D	2JES-07	D / Medium	1/2	5/8	E
HD*B-0100MD[ ]B( )-D	2HES-1	B / Medium	1/2	5/8	C
HD*B-0100MD[ ]D( )-D	2HES-1	D / Medium	1/2	5/8	E
HD*B-0150MD[ ]B( )-D	2FES-2	B / Medium	5/8	5/8	C
HD*B-0150MD[ ]D( )-D	2FES-2	D / Medium	5/8	5/8	E
HD*B-0200MD[ ]B( )-D	2EES-2	B / Medium	5/8	7/8	C
HD*B-0200MD[ ]D( )-D	2EES-2	D / Medium	5/8	7/8	E
HD*B-0220MD[ ]D( )-D	2DES-2	D / Medium	5/8	7/8	E
HD*B-0220MD[ ]F( )-D	2DES-2	F / Large	5/8	7/8	F
HD*B-0300MD[ ]D( )-D	2CES-3	D / Medium	5/8	7/8	E
HD*B-0300MD[ ]F( )-D	2CES-3	F / Large	5/8	7/8	F
HD*B-0400MD[ ]F( )-D	4FES-3	F / Large	5/8	7/8	F
HD*B-0400MD[ ]J( )-D	4FES-3	J / Extra Large	5/8	7/8	H
HD*B-0500MD[ ]F( )-D	4EES-4	F / Large	5/8	1-1/8	F
HD*B-0500MD[ ]J( )-D	4EES-4	J / Extra Large	5/8	1-1/8	H
HD*B-0600MD[ ]F( )-D	4DES-5	F / Large	5/8	1-1/8	F
HD*B-0600MD[ ]J( )-D	4DES-5	J / Extra Large	5/8	1-1/8	H
HD*B-0650MD[ ]F( )-D	4CES-6	F / Large	5/8	1-1/8	F
HD*B-0650MD[ ]J( )-D	4CES-6	J / Extra Large	5/8	1-1/8	H
HD*B-0700MD[ ]F( )-D	4VES-7	F / Large	7/8	1-1/8	F
HD*B-0700MD[ ]J( )-D	4VES-7	J / Extra Large	7/8	1-1/8	H
HD*B-0900MD[ ]J( )-D	4TES-9	J / Extra Large	7/8	1-3/8	H
HD*B-1000MD[ ]J( )-D	4PES-12	J / Extra Large	7/8	1-3/8	H
HD*B-1200MD[ ]J( )-D	4NES-14	J / Extra Large	7/8	1-3/8	H
HD*B-1400MD[ ]J( )-D	4JE-15	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV2 with R-454C Electrical, Capacity, and Configuration Data

#### Medium Temperature Bitzer MV2 with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*B-0050MK[ ]B( )-A	2KES-05	N/A	5.4	1.2	11	15	2.6	0.7	5.5	15
HD*B-0070MK[ ]B( )-D	2JES-07	N/A	6.7	1.2	12.6	15	3.2	0.7	6.2	15
HD*B-0070MK[ ]D( )-A	2JES-07	7.6	6.7	2.1	13.5	20	3.2	1.3	6.8	15
HD*B-0100MK[ ]B( )-D	2HES-1	7.6	7.3	1.2	13.3	20	3.4	0.7	6.5	15
HD*B-0100MK[ ]D( )-D	2HES-1	7.6	7.3	2.1	14.2	20	3.4	1.3	7.1	15
HD*B-0150MK[ ]B( )-D	2FES-2	7.6	10	1.2	16.7	25	4.6	0.7	8	15
HD*B-0150MK[ ]D( )-D	2FES-2	7.6	10	2.1	17.6	25	4.6	1.3	8.6	15
HD*B-0200MK[ ]B( )-D	2EES-2	7.6	12	1.2	19.2	30	5.4	0.7	9	15
HD*B-0200MK[ ]D( )-D	2EES-2	7.6	12	2.1	20.1	30	5.4	1.3	9.6	15
HD*B-0220MK[ ]D( )-D	2DES-2	7.6	13.1	2.1	21.5	30	6.4	1.3	10.8	15
HD*B-0220MK[ ]F( )-D	2DES-2	7.6	13.1	3.2	22.6	35	6.4	1.9	11.4	15
HD*B-0300MK[ ]D( )-D	2CES-3	7.6	14.9	2.1	23.7	35	7	1.3	11.6	15
HD*B-0300MK[ ]F( )-D	2CES-3	7.6	14.9	3.2	24.8	35	7	1.9	12.2	15
HD*B-0400MK[ ]F( )-D	4FES-3	7.6	20.1	3.2	31.3	50	9	1.9	14.7	20
HD*B-0400MK[ ]J( )-D	4FES-3	7.6	20.1	4.2	32.3	50	9	2.5	15.3	20
HD*B-0500MK[ ]F( )-D	4EES-4	7.6	22.4	3.2	34.2	50	10.3	1.9	16.3	25
HD*B-0500MK[ ]J( )-D	4EES-4	7.6	22.4	4.2	35.2	50	10.3	2.5	16.9	25
HD*B-0600MK[ ]F( )-D	4DES-5	7.6	23	3.2	35	50	12	1.9	18.4	30
HD*B-0600MK[ ]J( )-D	4DES-5	7.6	23	4.2	36	50	12	2.5	19	30
HD*B-0650MK[ ]F( )-D	4CES-6	7.6	27.9	3.2	41.1	60	15.8	1.9	23.2	35
HD*B-0650MK[ ]J( )-D	4CES-6	7.6	27.9	4.2	42.1	70	15.8	2.5	23.8	35
HD*B-0700MK[ ]F( )-D	4VES-7	7.6	27.1	3.2	40.1	60	13.6	1.9	20.4	30
HD*B-0700MK[ ]J( )-D	4VES-7	7.6	27.1	4.2	41.1	60	13.6	2.5	21	30
HD*B-0900MK[ ]J( )-D	4TES-9	7.6	31.4	4.2	46.5	70	15.7	2.5	23.6	35
HD*B-1000MK[ ]J( )-D	4PES-12	7.6	38.6	4.2	55.5	90	19.3	2.5	28.1	45
HD*B-1200MK[ ]J( )-D	4NES-14	7.6	44.3	4.2	62.6	100	22.1	2.5	31.6	50
HD*B-1400MK[ ]J( )-A	4JE-15	7.6	55.7	4.2	76.8	125	27.9	2.5	38.9	60

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV2 with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0050MK[ JB( )-A	2KES-05	5,800 (1.7)	6,700 (1.96)	7,600 (2.23)	8,600 (2.52)	9,600 (2.81)	10,800 (3.17)	12,000 (3.52)	N/A	N/A	N/A
HD*B-0070MK[ JB( )-D	2JES-07	7,700 (2.26)	8,800 (2.58)	9,900 (2.9)	11,100 (3.25)	12,500 (3.66)	13,900 (4.07)	15,400 (4.51)	N/A	N/A	N/A
HD*B-0070MK[ JD( )-A	2JES-07	7,900 (2.32)	9,000 (2.64)	10,200 (2.99)	11,500 (3.37)	12,900 (3.78)	14,400 (4.22)	16,100 (4.72)	N/A	N/A	N/A
HD*B-0100MK[ JB( )-D	2HES-1	9,700 (2.84)	11,000 (3.22)	12,400 (3.63)	13,900 (4.07)	15,500 (4.54)	17,300 (5.07)	19,100 (5.6)	N/A	N/A	N/A
HD*B-0100MK[ JD( )-D	2HES-1	10,000 (2.93)	11,400 (3.34)	12,900 (3.78)	14,500 (4.25)	16,200 (4.75)	18,000 (5.28)	20,000 (5.86)	N/A	N/A	N/A
HD*B-0150MK[ JB( )-D	2FES-2	13,900 (4.07)	15,700 (4.6)	17,600 (5.16)	19,600 (5.74)	21,800 (6.39)	24,100 (7.06)	26,500 (7.77)	N/A	N/A	N/A
HD*B-0150MK[ JD( )-D	2FES-2	14,600 (4.28)	16,500 (4.84)	18,600 (5.45)	20,800 (6.1)	23,200 (6.8)	25,700 (7.53)	28,400 (8.32)	N/A	N/A	N/A
HD*B-0200MK[ JB( )-D	2EES-2	17,100 (5.01)	19,200 (5.63)	21,400 (6.27)	23,800 (6.98)	26,400 (7.74)	29,100 (8.53)	32,000 (9.38)	N/A	N/A	N/A
HD*B-0200MK[ JD( )-D	2EES-2	18,000 (5.28)	20,200 (5.92)	22,700 (6.65)	25,400 (7.44)	28,200 (8.26)	31,200 (9.14)	34,500 (10.11)	N/A	N/A	N/A
HD*B-0220MK[ JD( )-D	2DES-2	20,600 (6.04)	23,200 (6.8)	25,900 (7.59)	28,900 (8.47)	32,000 (9.38)	35,400 (10.38)	39,000 (11.43)	N/A	N/A	N/A
HD*B-0220MK[ JF( )-D	2DES-2	21,800 (6.39)	24,600 (7.21)	27,700 (8.12)	31,000 (9.09)	34,600 (10.14)	38,400 (11.25)	42,600 (12.49)	N/A	N/A	N/A
HD*B-0300MK[ JD( )-D	2CES-3	25,600 (7.5)	28,700 (8.41)	31,900 (9.35)	35,500 (10.4)	39,200 (11.49)	43,200 (12.66)	47,400 (13.89)	N/A	N/A	N/A
HD*B-0300MK[ JF( )-D	2CES-3	27,500 (8.06)	30,900 (9.06)	34,700 (10.17)	38,700 (11.34)	43,100 (12.63)	47,800 (14.01)	52,800 (15.47)	N/A	N/A	N/A
HD*B-0400MK[ JF( )-D	4FES-3	29,900 (8.76)	33,700 (9.88)	37,800 (11.08)	42,200 (12.37)	47,000 (13.77)	52,100 (15.27)	57,600 (16.88)	N/A	N/A	N/A
HD*B-0400MK[ J( )-D	4FES-3	30,400 (8.91)	34,300 (10.05)	38,500 (11.28)	43,100 (12.63)	48,000 (14.07)	53,300 (15.62)	59,000 (17.29)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0500MK[ JF( )-D	4EES-4	36,800 (10.79)	41,400 (12.13)	46,400 (13.6)	51,700 (15.15)	57,500 (16.85)	63,700 (18.67)	70,300 (20.6)	N/A	N/A	N/A
HD*B-0500MK[ J( )-D	4EES-4	37,500 (10.99)	42,300 (12.4)	47,400 (13.89)	53,000 (15.53)	59,000 (17.29)	65,500 (19.2)	72,400 (21.22)	N/A	N/A	N/A
HD*B-0600MK[ JF( )-D	4DES-5	41,300 (12.1)	46,500 (13.63)	52,100 (15.27)	58,100 (17.03)	64,500 (18.9)	71,400 (20.93)	78,800 (23.09)	N/A	N/A	N/A
HD*B-0600MK[ J( )-D	4DES-5	42,300 (12.4)	47,600 (13.95)	53,400 (15.65)	59,700 (17.5)	66,500 (19.49)	73,700 (21.6)	81,400 (23.86)	N/A	N/A	N/A
HD*B-0650MK[ JF( )-D	4CES-6	51,500 (15.09)	57,700 (16.91)	64,300 (18.85)	71,500 (20.96)	79,100 (23.18)	87,300 (25.59)	96,000 (28.14)	N/A	N/A	N/A
HD*B-0650MK[ J( )-D	4CES-6	52,900 (15.5)	59,400 (17.41)	66,400 (19.46)	74,000 (21.69)	82,000 (24.03)	90,700 (26.58)	100,000 (29.31)	N/A	N/A	N/A
HD*B-0700MK[ JF( )-D	4VES-7	50,700 (14.86)	57,200 (16.76)	64,200 (18.82)	71,700 (21.01)	79,700 (23.36)	88,300 (25.88)	97,400 (28.55)	N/A	N/A	N/A
HD*B-0700MK[ J( )-D	4VES-7	52,200 (15.3)	59,000 (17.29)	66,400 (19.46)	74,400 (21.81)	82,900 (24.3)	92,000 (26.96)	101,800 (29.84)	N/A	N/A	N/A
HD*B-0900MK[ J( )-D	4TES-9	62,400 (18.29)	70,300 (20.6)	78,800 (23.09)	88,000 (25.79)	97,800 (28.66)	108,300 (31.74)	119,400 (34.99)	N/A	N/A	N/A
HD*B-1000MK[ J( )-D	4PES-12	69,300 (20.31)	78,200 (22.92)	87,800 (25.73)	98,100 (28.75)	109,000 (31.95)	120,800 (35.4)	133,200 (39.04)	N/A	N/A	N/A
HD*B-1200MK[ J( )-D	4NES-14	81,100 (23.77)	91,100 (26.7)	101,700 (29.81)	113,100 (33.15)	125,300 (36.72)	138,100 (40.47)	151,800 (44.49)	N/A	N/A	N/A
HD*B-1400MK[ J( )-A	4JE-15	92,700 (27.17)	103,500 (30.33)	115,100 (33.73)	127,400 (37.34)	140,400 (41.15)	154,200 (45.19)	168,400 (49.36)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0050MK[ JB( )-A	2KES-05	5,200 (1.52)	5,900 (1.73)	6,800 (1.99)	7,700 (2.26)	8,700 (2.55)	9,700 (2.84)	10,900 (3.19)	N/A	N/A	N/A
HD*B-0070MK[ JB( )-D	2JES-07	6,900 (2.02)	7,900 (2.32)	8,900 (2.61)	10,100 (2.96)	11,300 (3.31)	12,600 (3.69)	14,000 (4.1)	N/A	N/A	N/A
HD*B-0070MK[ JD( )-A	2JES-07	7,100 (2.08)	8,100 (2.37)	9,200 (2.7)	10,400 (3.05)	11,700 (3.43)	13,100 (3.84)	14,600 (4.28)	N/A	N/A	N/A
HD*B-0100MK[ JB( )-D	2HES-1	8,700 (2.55)	9,900 (2.9)	11,200 (3.28)	12,600 (3.69)	14,100 (4.13)	15,700 (4.6)	17,400 (5.1)	N/A	N/A	N/A
HD*B-0100MK[ JD( )-D	2HES-1	9,000 (2.64)	10,300 (3.02)	11,700 (3.43)	13,100 (3.84)	14,700 (4.31)	16,500 (4.84)	18,300 (5.36)	N/A	N/A	N/A
HD*B-0150MK[ JB( )-D	2FES-2	12,500 (3.66)	14,200 (4.16)	15,900 (4.66)	17,800 (5.22)	19,800 (5.8)	21,900 (6.42)	24,100 (7.06)	N/A	N/A	N/A
HD*B-0150MK[ JD( )-D	2FES-2	13,200 (3.87)	14,900 (4.37)	16,800 (4.92)	18,900 (5.54)	21,100 (6.18)	23,500 (6.89)	26,000 (7.62)	N/A	N/A	N/A
HD*B-0200MK[ JB( )-D	2EES-2	15,500 (4.54)	17,500 (5.13)	19,600 (5.74)	21,800 (6.39)	24,200 (7.09)	26,800 (7.85)	29,400 (8.62)	N/A	N/A	N/A
HD*B-0200MK[ JD( )-D	2EES-2	16,300 (4.78)	18,500 (5.42)	20,800 (6.1)	23,300 (6.83)	25,900 (7.59)	28,800 (8.44)	31,800 (9.32)	N/A	N/A	N/A
HD*B-0220MK[ JD( )-D	2DES-2	18,800 (5.51)	21,200 (6.21)	23,700 (6.95)	26,500 (7.77)	29,500 (8.65)	32,600 (9.55)	36,000 (10.55)	N/A	N/A	N/A
HD*B-0220MK[ JF( )-D	2DES-2	19,900 (5.83)	22,500 (6.59)	25,400 (7.44)	28,500 (8.35)	31,900 (9.35)	35,500 (10.4)	39,400 (11.55)	N/A	N/A	N/A
HD*B-0300MK[ JD( )-D	2CES-3	23,400 (6.86)	26,200 (7.68)	29,300 (8.59)	32,600 (9.55)	36,100 (10.58)	39,900 (11.69)	43,800 (12.84)	N/A	N/A	N/A
HD*B-0300MK[ JF( )-D	2CES-3	25,100 (7.36)	28,400 (8.32)	31,900 (9.35)	35,700 (10.46)	39,800 (11.66)	44,200 (12.95)	48,900 (14.33)	N/A	N/A	N/A
HD*B-0400MK[ JF( )-D	4FES-3	27,300 (8)	30,800 (9.03)	34,700 (10.17)	38,800 (11.37)	43,300 (12.69)	48,100 (14.1)	53,300 (15.62)	N/A	N/A	N/A
HD*B-0400MK[ J( )-D	4FES-3	27,700 (8.12)	31,400 (9.2)	35,300 (10.35)	39,600 (11.61)	44,200 (12.95)	49,200 (14.42)	54,600 (16)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV2 with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*B-0500MK[ JF( )-D	4EES-4	33,500 (9.82)	37,800 (11.08)	42,500 (12.46)	47,500 (13.92)	52,900 (15.5)	58,800 (17.23)	65,000 (19.05)	N/A	N/A	N/A
HD*B-0500MK[ J( )-D	4EES-4	34,200 (10.02)	38,600 (11.31)	43,500 (12.75)	48,700 (14.27)	54,400 (15.94)	60,400 (17.7)	67,000 (19.64)	N/A	N/A	N/A
HD*B-0600MK[ JF( )-D	4DES-5	37,600 (11.02)	42,500 (12.46)	47,700 (13.98)	53,300 (15.62)	59,300 (17.38)	65,800 (19.28)	72,800 (21.34)	N/A	N/A	N/A
HD*B-0600MK[ J( )-D	4DES-5	38,500 (11.28)	43,500 (12.75)	49,000 (14.36)	54,800 (16.06)	61,200 (17.94)	68,000 (19.93)	75,300 (22.07)	N/A	N/A	N/A
HD*B-0650MK[ JF( )-D	4CES-6	47,000 (13.77)	52,800 (15.47)	59,100 (17.32)	65,800 (19.28)	73,000 (21.4)	80,600 (23.62)	88,800 (26.03)	N/A	N/A	N/A
HD*B-0650MK[ J( )-D	4CES-6	48,400 (14.19)	54,400 (15.94)	61,000 (17.88)	68,100 (19.96)	75,700 (22.19)	83,800 (24.56)	92,500 (27.11)	N/A	N/A	N/A
HD*B-0700MK[ JF( )-D	4VES-7	45,800 (13.42)	51,900 (15.21)	58,500 (17.15)	65,600 (19.23)	73,100 (21.42)	81,300 (23.83)	89,900 (26.35)	N/A	N/A	N/A
HD*B-0700MK[ J( )-D	4VES-7	47,200 (13.83)	53,600 (15.71)	60,500 (17.73)	68,000 (19.93)	76,000 (22.27)	84,700 (24.82)	93,900 (27.52)	N/A	N/A	N/A
HD*B-0900MK[ J( )-D	4TES-9	56,700 (16.62)	64,000 (18.76)	72,000 (21.1)	80,600 (23.62)	89,800 (26.32)	99,700 (29.22)	110,200 (32.3)	N/A	N/A	N/A
HD*B-1000MK[ J( )-D	4PES-12	62,500 (18.32)	70,800 (20.75)	79,700 (23.36)	89,400 (26.20)	99,700 (29.22)	110,700 (32.44)	122,200 (35.81)	N/A	N/A	N/A
HD*B-1200MK[ J( )-D	4NES-14	73,300 (21.48)	82,600 (24.21)	92,500 (27.11)	103,200 (30.25)	114,300 (33.5)	126,400 (37.05)	139,300 (40.83)	N/A	N/A	N/A
HD*B-1400MK[ J( )-A	4JE-15	84,400 (24.74)	94,600 (27.73)	105,400 (30.89)	116,800 (34.23)	129,100 (37.84)	142,200 (41.68)	156,000 (45.72)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

### Medium Temperature Bitzer MV2 with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*B-0050MK[]B(-)A	2KES-05	B / Medium	1/2	5/8	C
HD*B-0070MK[]B(-)D	2JES-07	B / Medium	1/2	5/8	C
HD*B-0070MK[]D(-)A	2JES-07	D / Medium	1/2	5/8	E
HD*B-0100MK[]B(-)D	2HES-1	B / Medium	1/2	5/8	C
HD*B-0100MK[]D(-)D	2HES-1	D / Medium	1/2	5/8	E
HD*B-0150MK[]B(-)D	2FES-2	B / Medium	5/8	5/8	C
HD*B-0150MK[]D(-)D	2FES-2	D / Medium	5/8	5/8	E
HD*B-0200MK[]B(-)D	2EES-2	B / Medium	5/8	7/8	C
HD*B-0200MK[]D(-)D	2EES-2	D / Medium	5/8	7/8	E
HD*B-0220MK[]D(-)D	2DES-2	D / Medium	5/8	7/8	E
HD*B-0220MK[]F(-)D	2DES-2	F / Large	5/8	7/8	F
HD*B-0300MK[]D(-)D	2CES-3	D / Medium	5/8	7/8	E
HD*B-0300MK[]F(-)D	2CES-3	F / Large	5/8	7/8	F
HD*B-0400MK[]F(-)D	4FES-3	F / Large	5/8	7/8	F
HD*B-0400MK[]J(-)D	4FES-3	J / Extra Large	5/8	7/8	H
HD*B-0500MK[]F(-)D	4EES-4	F / Large	5/8	1-1/8	F
HD*B-0500MK[]J(-)D	4EES-4	J / Extra Large	5/8	1-1/8	H
HD*B-0600MK[]F(-)D	4DES-5	F / Large	5/8	1-1/8	F
HD*B-0600MK[]J(-)D	4DES-5	J / Extra Large	5/8	1-1/8	H
HD*B-0650MK[]F(-)D	4CES-6	F / Large	5/8	1-1/8	F
HD*B-0650MK[]J(-)D	4CES-6	J / Extra Large	5/8	1-1/8	H
HD*B-0700MK[]F(-)D	4VES-7	F / Large	7/8	1-1/8	F
HD*B-0700MK[]J(-)D	4VES-7	J / Extra Large	7/8	1-1/8	H
HD*B-0900MK[]J(-)D	4TES-9	J / Extra Large	7/8	1-3/8	H
HD*B-1000MK[]J(-)D	4PES-12	J / Extra Large	7/8	1-3/8	H
HD*B-1200MK[]J(-)D	4NES-14	J / Extra Large	7/8	1-3/8	H
HD*B-1400MK[]J(-)A	4JE-15	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454A Electrical, Capacity, and Configuration Data

#### Medium Temperature Bitzer MV1 with R-454A AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*E-0100MD[ ]B( )-D	2HES-2	7.6	11.1	1.2	18.1	25	4.5	0.7	7.8	15
HD*E-0100MD[ ]D( )-D	2HES-2	7.6	11.1	2.1	19	30	4.5	1.3	8.4	15
HD*E-0150MD[ ]B( )-D	2FES-3	7.6	12.6	1.2	20	30	5.7	0.7	9.3	15
HD*E-0150MD[ ]D( )-D	2FES-3	7.6	12.6	2.1	20.9	30	5.7	1.3	9.9	15
HD*E-0200MD[ ]B( )-D	2EES-3	7.6	15.6	1.2	23.7	35	7.3	0.7	11.3	15
HD*E-0200MD[ ]D( )-D	2EES-3	7.6	15.6	2.1	24.6	40	7.3	1.3	11.9	15
HD*E-0220MD[ ]B( )-D	2DES-3	7.6	17	1.2	25.5	40	8.1	0.7	12.3	20
HD*E-0220MD[ ]D( )-D	2DES-3	7.6	17	2.1	26.4	40	8.1	1.3	12.9	20
HD*E-0300MD[ ]D( )-D	2CES-4	7.6	20.3	2.1	30.5	50	9.1	1.3	14.2	20
HD*E-0300MD[ ]F( )-D	2CES-4	7.6	20.3	3.2	31.6	50	9.1	1.9	14.8	20
HD*E-0400MD[ ]F( )-D	4FES-5	7.6	27	3.2	40	60	14.6	1.9	21.7	35
HD*E-0400MD[ ]J( )-D	4FES-5	7.6	27	4.2	41	60	14.6	2.5	22.3	35
HD*E-0500MD[ ]F( )-D	4EES-6	7.6	31.3	3.2	45.3	70	14.9	1.9	22	35
HD*E-0500MD[ ]J( )-D	4EES-6	7.6	31.3	4.2	46.3	70	14.9	2.5	22.6	35
HD*E-0600MD[ ]F( )-D	4DES-7	7.6	34.5	3.2	49.3	80	17	1.9	24.7	40
HD*E-0600MD[ ]J( )-D	4DES-7	7.6	34.5	4.2	50.3	80	17	2.5	25.3	40
HD*E-0700MD[ ]F( )-D	4VES-10	7.6	42.9	3.2	59.8	100	21.4	1.9	30.2	50
HD*E-0700MD[ ]J( )-D	4VES-10	7.6	42.9	4.2	60.8	100	21.4	2.5	30.8	50
HD*E-0900MD[ ]F( )-D	4TES-12	7.6	47.1	3.2	65.1	110	23.6	1.9	32.9	50
HD*E-0900MD[ ]J( )-D	4TES-12	7.6	47.1	4.2	66.1	110	23.6	2.5	33.5	50
HD*E-1000MD[ ]J( )-D	4PES-15	7.6	54.3	4.2	75.1	125	27.1	2.5	37.9	60
HD*E-1200MD[ ]J( )-D	4NES-20	7.6	64.3	4.2	87.6	150	32.1	2.5	44.1	70
HD*E-1400MD[ ]J( )-D	4JE-22	7.6	68.6	4.2	93	150	34.3	2.5	46.9	80

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454A Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*E-0100MD[ ]B( )-D	2HES-2	11,100 (3.25)	12,500 (3.66)	14,000 (4.1)	15,600 (4.57)	17,300 (5.07)	19,200 (5.63)	21,100 (6.18)	23,100 (6.77)	25,300 (7.42)	27,600 (8.09)
HD*E-0100MD[ ]D( )-D	2HES-2	11,500 (3.37)	12,900 (3.78)	14,500 (4.25)	16,200 (4.75)	18,000 (5.28)	20,000 (5.86)	22,000 (6.45)	24,200 (7.09)	26,600 (7.8)	29,000 (8.5)
HD*E-0150MD[ ]B( )-D	2FES-3	15,200 (4.45)	17,000 (4.98)	18,900 (5.54)	20,900 (6.13)	23,100 (6.77)	25,400 (7.44)	27,800 (8.15)	30,400 (8.91)	33,000 (9.67)	35,800 (10.49)
HD*E-0150MD[ ]D( )-D	2FES-3	15,900 (4.66)	17,800 (5.22)	19,900 (5.83)	22,100 (6.48)	24,500 (7.18)	27,000 (7.91)	29,700 (8.7)	32,600 (9.55)	35,700 (10.46)	38,900 (11.4)
HD*E-0200MD[ ]B( )-D	2EES-3	18,300 (5.36)	20,500 (6.01)	22,800 (6.68)	25,200 (7.39)	27,800 (8.15)	30,500 (8.94)	33,400 (9.79)	36,400 (10.67)	39,500 (11.58)	42,800 (12.54)
HD*E-0200MD[ ]D( )-D	2EES-3	19,400 (5.69)	21,800 (6.39)	24,400 (7.15)	27,200 (7.97)	30,100 (8.82)	33,200 (9.73)	36,600 (10.73)	40,100 (11.75)	43,800 (12.84)	47,700 (13.98)
HD*E-0220MD[ ]B( )-D	2DES-3	21,400 (6.27)	23,800 (6.98)	26,400 (7.74)	29,100 (8.53)	31,900 (9.35)	34,900 (10.23)	38,000 (11.14)	41,200 (12.08)	44,600 (13.07)	48,100 (14.1)
HD*E-0220MD[ ]D( )-D	2DES-3	22,900 (6.71)	25,600 (7.5)	28,600 (8.38)	31,700 (9.29)	35,000 (10.26)	38,500 (11.28)	42,300 (12.4)	46,200 (13.54)	50,300 (14.74)	54,600 (16)
HD*E-0300MD[ ]D( )-D	2CES-4	27,700 (8.12)	30,900 (9.06)	34,200 (10.02)	37,800 (11.08)	41,600 (12.19)	45,600 (13.36)	49,800 (14.6)	54,200 (15.89)	58,800 (17.23)	63,600 (18.64)
HD*E-0300MD[ ]F( )-D	2CES-4	30,000 (8.79)	33,700 (9.88)	37,700 (11.05)	41,900 (12.28)	46,500 (13.63)	51,400 (15.06)	56,600 (16.59)	62,100 (18.2)	68,000 (19.93)	74,200 (21.75)
HD*E-0400MD[ ]F( )-D	4FES-5	30,500 (8.94)	34,500 (10.11)	38,800 (11.37)	43,400 (12.72)	48,400 (14.19)	53,700 (15.74)	59,400 (17.41)	65,400 (19.17)	71,900 (21.07)	78,700 (23.07)
HD*E-0400MD[ ]J( )-D	4FES-5	31,100 (9.11)	35,200 (10.32)	39,600 (11.61)	44,400 (13.01)	49,600 (14.54)	55,200 (16.18)	61,100 (17.91)	67,500 (19.78)	74,300 (21.78)	81,600 (23.92)
HD*E-0500MD[ ]F( )-D	4EES-6	39,400 (11.55)	44,000 (12.9)	49,100 (14.39)	54,400 (15.94)	60,200 (17.64)	66,300 (19.43)	72,800 (21.34)	79,800 (23.39)	87,000 (25.5)	94,700 (27.75)
HD*E-0500MD[ ]J( )-D	4EES-6	40,200 (11.78)	45,100 (13.22)	50,300 (14.74)	55,900 (16.38)	62,000 (18.17)	68,500 (20.08)	75,400 (22.1)	82,700 (24.24)	90,500 (26.52)	98,700 (28.93)
HD*E-0600MD[ ]F( )-D	4DES-7	45,100 (13.22)	50,600 (14.83)	56,500 (16.56)	62,800 (18.41)	69,500 (20.37)	76,700 (22.48)	84,300 (24.71)	92,400 (27.08)	100,800 (29.54)	109,700 (32.15)
HD*E-0600MD[ ]J( )-D	4DES-7	46,300 (13.57)	52,100 (15.27)	58,300 (17.09)	65,000 (19.05)	72,100 (21.13)	79,800 (23.39)	88,000 (25.79)	96,600 (28.31)	105,800 (31.01)	115,500 (33.85)
HD*E-0700MD[ ]F( )-D	4VES-10	55,200 (16.18)	62,000 (18.17)	69,300 (20.31)	77,100 (22.6)	85,400 (25.03)	94,100 (27.58)	103,400 (30.3)	113,200 (33.18)	123,500 (36.2)	134,200 (39.33)
HD*E-0700MD[ ]J( )-D	4VES-10	57,200 (16.76)	64,400 (18.87)	72,200 (21.16)	80,600 (23.62)	89,500 (26.23)	99,100 (29.04)	109,200 (32)	119,900 (35.14)	131,300 (38.48)	143,200 (41.97)
HD*E-0900MD[ ]F( )-D	4TES-12	65,100 (19.08)	72,800 (21.34)	80,900 (23.71)	89,600 (26.26)	98,800 (28.96)	108,400 (31.77)	118,600 (34.76)	129,200 (37.87)	140,300 (41.12)	151,900 (44.52)
HD*E-0900MD[ ]J( )-D	4TES-12	68,000 (19.93)	76,200 (22.33)	85,100 (24.94)	94,500 (27.7)	104,600 (30.66)	115,300 (33.79)	126,600 (37.1)	138,500 (40.59)	151,000 (44.26)	164,200 (48.12)
HD*E-1000MD[ ]J( )-D	4PES-15	74,500 (21.83)	83,700 (24.53)	93,600 (27.43)	104,000 (30.48)	115,200 (33.76)	126,900 (37.19)	139,400 (40.86)	152,400 (44.67)	166,000 (48.65)	180,300 (52.84)
HD*E-1200MD[ ]J( )-D	4NES-20	88,000 (25.79)	98,200 (28.78)	109,000 (31.95)	120,500 (35.32)	132,600 (38.86)	145,400 (42.61)	158,700 (46.51)	172,700 (50.62)	187,200 (54.87)	202,300 (59.29)
HD*E-1400MD[ ]J( )-D	4JE-22	97,000 (28.43)	107,900 (31.62)	119,300 (34.96)	131,400 (38.51)	144,000 (42.2)	157,200 (46.07)	170,900 (50.09)	185,200 (54.28)	200,000 (58.62)	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV1 with R-454A Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*E-0100MD[ JB( )-D	2HES-2	10,200 (2.99)	11,500 (3.37)	13,000 (3.81)	14,500 (4.25)	16,100 (4.72)	17,800 (5.22)	19,600 (5.74)	21,500 (6.3)	23,500 (6.89)	25,700 (7.53)
HD*E-0100MD[ JD( )-D	2HES-2	10,600 (3.11)	11,900 (3.49)	13,400 (3.93)	15,000 (4.4)	16,700 (4.89)	18,500 (5.42)	20,500 (6.01)	22,600 (6.62)	24,800 (7.27)	27,100 (7.94)
HD*E-0150MD[ JB( )-D	2FES-3	13,900 (4.07)	15,600 (4.57)	17,300 (5.07)	19,200 (5.63)	21,200 (6.21)	23,400 (6.86)	25,600 (7.50)	28,000 (8.21)	30,500 (8.94)	33,100 (9.70)
HD*E-0150MD[ JD( )-D	2FES-3	14,500 (4.25)	16,300 (4.78)	18,300 (5.36)	20,300 (5.95)	22,600 (6.62)	24,900 (7.3)	27,400 (8.03)	30,100 (8.82)	33,000 (9.67)	36,000 (10.55)
HD*E-0200MD[ JB( )-D	2EES-3	16,500 (4.84)	18,500 (5.42)	20,600 (6.04)	22,900 (6.71)	25,300 (7.42)	27,800 (8.15)	30,400 (8.91)	33,200 (9.73)	36,100 (10.58)	39,200 (11.49)
HD*E-0200MD[ JD( )-D	2EES-3	17,600 (5.16)	19,800 (5.8)	22,200 (6.51)	24,700 (7.24)	27,400 (8.03)	30,300 (8.88)	33,400 (9.79)	36,700 (10.76)	40,200 (11.78)	43,800 (12.84)
HD*E-0220MD[ JB( )-D	2DES-3	19,300 (5.66)	21,500 (6.3)	23,800 (6.98)	26,300 (7.71)	28,900 (8.47)	31,700 (9.29)	34,600 (10.14)	37,600 (11.02)	N/A	N/A
HD*E-0220MD[ JD( )-D	2DES-3	20,700 (6.07)	23,300 (6.83)	26,000 (7.62)	28,800 (8.44)	31,900 (9.35)	35,200 (10.32)	38,600 (11.31)	42,300 (12.40)	46,100 (13.51)	50,200 (14.71)
HD*E-0300MD[ JD( )-D	2CES-4	25,100 (7.36)	28,000 (8.21)	31,100 (9.11)	34,400 (10.08)	37,900 (11.11)	41,600 (12.19)	45,500 (13.34)	49,600 (14.54)	53,900 (15.8)	58,300 (17.09)
HD*E-0300MD[ JF( )-D	2CES-4	27,400 (8.03)	30,800 (9.03)	34,500 (10.11)	38,400 (11.25)	42,700 (12.51)	47,200 (13.83)	52,100 (15.27)	57,200 (16.76)	62,700 (18.38)	68,600 (20.11)
HD*E-0400MD[ JF( )-D	4FES-5	27,400 (8.03)	31,100 (9.11)	35,000 (10.26)	39,300 (11.52)	43,900 (12.87)	48,800 (14.3)	54,100 (15.86)	59,700 (17.5)	65,700 (19.26)	72,000 (21.1)
HD*E-0400MD[ J( )-D	4FES-5	28,000 (8.21)	31,800 (9.32)	35,800 (10.49)	40,300 (11.81)	45,100 (13.22)	50,200 (14.71)	55,700 (16.32)	61,700 (18.08)	68,000 (19.93)	74,700 (21.89)
HD*E-0500MD[ JF( )-D	4EES-6	35,900 (10.52)	40,200 (11.78)	44,800 (13.13)	49,800 (14.6)	55,100 (16.15)	60,800 (17.82)	66,800 (19.58)	73,200 (21.45)	80,000 (23.45)	87,200 (25.56)
HD*E-0500MD[ J( )-D	4EES-6	36,700 (10.76)	41,200 (12.08)	46,000 (13.48)	51,200 (15.01)	56,800 (16.65)	62,800 (18.41)	69,200 (20.28)	76,100 (22.3)	83,300 (24.41)	91,000 (26.67)
HD*E-0600MD[ JF( )-D	4DES-7	40,700 (11.93)	45,700 (13.39)	51,200 (15.01)	57,000 (16.71)	63,200 (18.52)	69,800 (20.46)	76,800 (22.51)	84,300 (24.71)	92,100 (26.99)	100,400 (29.43)
HD*E-0600MD[ J( )-D	4DES-7	41,800 (12.25)	47,200 (13.83)	52,900 (15.5)	59,000 (17.29)	65,700 (19.26)	72,700 (21.31)	80,300 (23.53)	88,300 (25.88)	96,900 (28.4)	105,900 (31.04)
HD*E-0700MD[ JF( )-D	4VES-10	49,400 (14.48)	55,600 (16.3)	62,300 (18.26)	69,500 (20.37)	77,100 (22.6)	85,300 (25)	93,800 (27.49)	102,900 (30.16)	112,500 (32.97)	122,500 (35.9)
HD*E-0700MD[ J( )-D	4VES-10	51,300 (15.04)	57,900 (16.97)	65,100 (19.08)	72,800 (21.34)	81,100 (23.77)	89,900 (26.35)	99,400 (29.13)	109,300 (32.03)	119,900 (35.14)	131,000 (38.39)
HD*E-0900MD[ JF( )-D	4TES-12	58,400 (17.12)	65,400 (19.17)	72,900 (21.37)	80,800 (23.68)	89,200 (26.14)	98,100 (28.75)	107,500 (31.51)	117,300 (34.38)	N/A	N/A
HD*E-0900MD[ J( )-D	4TES-12	61,100 (17.91)	68,700 (20.13)	76,800 (22.51)	85,500 (25.06)	94,800 (27.78)	104,600 (30.66)	115,100 (33.73)	126,200 (36.99)	137,800 (40.39)	150,100 (43.99)
HD*E-1000MD[ J( )-D	4PES-15	66,400 (19.46)	74,900 (21.95)	83,900 (24.59)	93,500 (27.4)	103,800 (30.42)	114,700 (33.62)	126,100 (36.96)	138,200 (40.50)	150,900 (44.23)	N/A
HD*E-1200MD[ J( )-D	4NES-20	79,000 (23.15)	88,300 (25.88)	98,200 (28.78)	108,700 (31.86)	119,900 (35.14)	131,600 (38.57)	143,900 (42.17)	N/A	N/A	N/A
HD*E-1400MD[ J( )-D	4JE-22	87,100 (25.53)	97,100 (28.46)	107,600 (31.54)	118,700 (34.79)	130,300 (38.19)	142,500 (41.76)	N/A	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454A Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*E-0100MD[ ]B( )-D	2HES-2	B / Medium	1/2	5/8	C
HD*E-0100MD[ ]D( )-D	2HES-2	B / Medium	1/2	5/8	E
HD*E-0150MD[ ]B( )-D	2FES-3	D / Medium	5/8	5/8	C
HD*E-0150MD[ ]D( )-D	2FES-3	B / Medium	5/8	5/8	E
HD*E-0200MD[ ]B( )-D	2EES-3	D / Medium	5/8	7/8	C
HD*E-0200MD[ ]D( )-D	2EES-3	B / Medium	5/8	7/8	E
HD*E-0220MD[ ]B( )-D	2DES-3	D / Medium	5/8	7/8	C
HD*E-0220MD[ ]D( )-D	2DES-3	B / Medium	5/8	7/8	E
HD*E-0300MD[ ]D( )-D	2CES-4	D / Medium	5/8	7/8	E
HD*E-0300MD[ ]F( )-D	2CES-4	D / Medium	5/8	7/8	F
HD*E-0400MD[ ]F( )-D	4FES-5	F / Large	5/8	7/8	F
HD*E-0400MD[ ]J( )-D	4FES-5	D / Medium	5/8	7/8	H
HD*E-0500MD[ ]F( )-D	4EES-6	F / Large	5/8	1-1/8	F
HD*E-0500MD[ ]J( )-D	4EES-6	F / Large	5/8	1-1/8	H
HD*E-0600MD[ ]F( )-D	4DES-7	J / Extra Large	5/8	1-1/8	F
HD*E-0600MD[ ]J( )-D	4DES-7	F / Large	5/8	1-1/8	H
HD*E-0700MD[ ]F( )-D	4VES-10	J / Extra Large	7/8	1-1/8	F
HD*E-0700MD[ ]J( )-D	4VES-10	F / Large	7/8	1-1/8	H
HD*E-0900MD[ ]F( )-D	4TES-12	J / Extra Large	7/8	1-3/8	F
HD*E-0900MD[ ]J( )-D	4TES-12	F / Large	7/8	1-3/8	H
HD*E-1000MD[ ]J( )-D	4PES-15	J / Extra Large	7/8	1-5/8	H
HD*E-1200MD[ ]J( )-D	4NES-20	F / Large	7/8	1-5/8	H
HD*E-1400MD[ ]J( )-D	4JE-22	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454C Electrical, Capacity, and Configuration Data

#### Medium Temperature Bitzer MV1 with R-454C AWEF and Electrical Data

Model	Compressor	Outdoor AWEF	208/3/60				460/3/60			
			Comp RLA	Fan RLA	MCA	MOPD	Comp RLA	Fan RLA	MCA	MOPD
HD*E-0100MD[ ]B( )-D	2HES-2	7.6	11.1	1.2	18.1	25	4.5	0.7	7.8	15
HD*E-0100MD[ ]D( )-D	2HES-2	7.6	11.1	2.1	19	30	4.5	1.3	8.4	15
HD*E-0150MD[ ]B( )-D	2FES-3	7.6	12.6	1.2	20	30	5.7	0.7	9.3	15
HD*E-0150MD[ ]D( )-D	2FES-3	7.6	12.6	2.1	20.9	30	5.7	1.3	9.9	15
HD*E-0200MD[ ]B( )-D	2EES-3	7.6	15.6	1.2	23.7	35	7.3	0.7	11.3	15
HD*E-0200MD[ ]D( )-D	2EES-3	7.6	15.6	2.1	24.6	40	7.3	1.3	11.9	15
HD*E-0220MD[ ]B( )-D	2DES-3	7.6	17	1.2	25.5	40	8.1	0.7	12.3	20
HD*E-0220MD[ ]D( )-D	2DES-3	7.6	17	2.1	26.4	40	8.1	1.3	12.9	20
HD*E-0300MD[ ]D( )-D	2CES-4	7.6	20.3	2.1	30.5	50	9.1	1.3	14.2	20
HD*E-0300MD[ ]F( )-D	2CES-4	7.6	20.3	3.2	31.6	50	9.1	1.9	14.8	20
HD*E-0400MD[ ]F( )-D	4FES-5	7.6	27	3.2	40	60	14.6	1.9	21.7	35
HD*E-0400MD[ ]J( )-D	4FES-5	7.6	27	4.2	41	60	14.6	2.5	22.3	35
HD*E-0500MD[ ]F( )-D	4EES-6	7.6	31.3	3.2	45.3	70	14.9	1.9	22	35
HD*E-0500MD[ ]J( )-D	4EES-6	7.6	31.3	4.2	46.3	70	14.9	2.5	22.6	35
HD*E-0600MD[ ]F( )-D	4DES-7	7.6	34.5	3.2	49.3	80	17	1.9	24.7	40
HD*E-0600MD[ ]J( )-D	4DES-7	7.6	34.5	4.2	50.3	80	17	2.5	25.3	40
HD*E-0700MD[ ]F( )-D	4VES-10	7.6	42.9	3.2	59.8	100	21.4	1.9	30.2	50
HD*E-0700MD[ ]J( )-D	4VES-10	7.6	42.9	4.2	60.8	100	21.4	2.5	30.8	50
HD*E-0900MD[ ]F( )-D	4TES-12	7.6	47.1	3.2	65.1	110	23.6	1.9	32.9	50
HD*E-0900MD[ ]J( )-D	4TES-12	7.6	47.1	4.2	66.1	110	23.6	2.5	33.5	50
HD*E-1000MD[ ]J( )-D	4PES-15	7.6	54.3	4.2	75.1	125	27.1	2.5	37.9	60
HD*E-1200MD[ ]J( )-D	4NES-20	7.6	64.3	4.2	87.6	150	32.1	2.5	44.1	70
HD*E-1400MD[ ]J( )-D	4JE-22	7.6	68.6	4.2	93	150	34.3	2.5	46.9	80

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454C Capacity at 95° F (35° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*E-0100MK[ ]B( )-D	2HES-2	9,700 (2.84)	11,000 (3.22)	12,400 (3.63)	13,900 (4.07)	15,500 (4.54)	17,200 (5.04)	19,000 (5.57)	21,000 (6.15)	23,100 (6.77)	25,300 (7.42)
HD*E-0100MK[ ]D( )-D	2HES-2	10,000 (2.93)	11,400 (3.34)	12,900 (3.78)	14,500 (4.25)	16,200 (4.75)	18,000 (5.28)	20,000 (5.86)	22,100 (6.48)	24,400 (7.15)	26,800 (7.85)
HD*E-0150MK[ ]B( )-D	2FES-3	14,000 (4.10)	15,700 (4.6)	17,600 (5.16)	19,600 (5.74)	21,700 (6.36)	24,000 (7.03)	26,400 (7.74)	28,900 (8.47)	31,600 (9.26)	34,400 (10.08)
HD*E-0150MK[ ]D( )-D	2FES-3	14,600 (4.28)	16,500 (4.84)	18,500 (5.42)	20,700 (6.07)	23,100 (6.77)	25,600 (7.50)	28,400 (8.32)	31,200 (9.14)	34,300 (10.05)	37,600 (11.02)
HD*E-0200MK[ ]B( )-D	2EES-3	17,100 (5.01)	19,200 (5.63)	21,400 (6.27)	23,800 (6.98)	26,300 (7.71)	29,000 (8.5)	31,900 (9.35)	34,900 (10.23)	38,100 (11.17)	41,400 (12.13)
HD*E-0200MK[ ]D( )-D	2EES-3	18,000 (5.28)	20,200 (5.92)	22,700 (6.65)	25,300 (7.42)	28,100 (8.24)	31,200 (9.14)	34,400 (10.08)	37,800 (11.08)	41,500 (12.16)	45,400 (13.31)
HD*E-0220MK[ ]B( )-D	2DES-3	19,500 (5.72)	21,800 (6.39)	24,200 (7.09)	26,800 (7.85)	29,600 (8.68)	32,600 (9.55)	35,700 (10.46)	38,900 (11.4)	42,300 (12.4)	45,900 (13.45)
HD*E-0220MK[ ]D( )-D	2DES-3	20,600 (6.04)	23,100 (6.77)	25,900 (7.59)	28,800 (8.44)	32,000 (9.38)	35,300 (10.35)	38,900 (11.4)	42,700 (12.51)	46,800 (13.72)	51,100 (14.98)
HD*E-0300MK[ ]D( )-D	2CES-4	25,600 (7.50)	28,600 (8.38)	31,900 (9.35)	35,400 (10.38)	39,100 (11.46)	43,100 (12.63)	47,300 (13.86)	51,700 (15.15)	56,400 (16.53)	61,300 (17.97)
HD*E-0300MK[ ]F( )-D	2CES-4	27,500 (8.06)	30,900 (9.06)	34,600 (10.14)	38,700 (11.34)	43,000 (12.6)	47,700 (13.98)	52,700 (15.45)	58,100 (17.03)	63,900 (18.73)	70,000 (20.52)
HD*E-0400MK[ ]F( )-D	4FES-5	29,900 (8.76)	33,700 (9.88)	37,800 (11.08)	42,200 (12.37)	47,000 (13.77)	52,100 (15.27)	57,600 (16.88)	63,500 (18.61)	69,700 (20.43)	76,400 (22.39)
HD*E-0400MK[ ]J( )-D	4FES-5	30,400 (8.91)	34,300 (10.05)	38,500 (11.28)	43,000 (12.6)	48,000 (14.07)	53,300 (15.62)	59,000 (17.29)	65,100 (19.08)	71,700 (21.01)	78,700 (23.07)
HD*E-0500MK[ ]F( )-D	4EES-6	36,800 (10.79)	41,400 (12.13)	46,300 (13.57)	51,700 (15.15)	57,400 (16.82)	63,600 (18.64)	70,200 (20.57)	77,200 (22.63)	84,700 (24.82)	92,700 (27.17)
HD*E-0500MK[ ]J( )-D	4EES-6	37,500 (10.99)	42,200 (12.37)	47,400 (13.89)	53,000 (15.53)	59,000 (17.29)	65,400 (19.17)	72,400 (21.22)	79,800 (23.39)	87,700 (25.7)	96,100 (28.17)
HD*E-0600MK[ ]F( )-D	4DES-7	41,300 (12.1)	46,500 (13.63)	52,000 (15.24)	58,000 (17)	64,400 (18.87)	71,300 (20.9)	78,600 (23.04)	86,400 (25.32)	94,700 (27.75)	103,500 (30.33)
HD*E-0600MK[ ]J( )-D	4DES-7	42,300 (12.4)	47,600 (13.95)	53,400 (15.65)	59,600 (17.47)	66,400 (19.46)	73,600 (21.57)	81,400 (23.86)	89,600 (26.26)	98,500 (28.87)	107,800 (31.59)
HD*E-0700MK[ ]F( )-D	4VES-10	50,200 (14.71)	56,600 (16.59)	63,600 (18.64)	71,000 (20.81)	79,000 (23.15)	87,600 (25.67)	96,700 (28.34)	106,300 (31.15)	116,500 (34.14)	127,200 (37.28)
HD*E-0700MK[ ]J( )-D	4VES-10	51,600 (15.12)	58,400 (17.12)	65,700 (19.26)	73,700 (21.6)	82,200 (24.09)	91,400 (26.79)	101,200 (29.66)	111,600 (32.71)	122,700 (35.96)	134,400 (39.39)
HD*E-0900MK[ ]F( )-D	4TES-12	59,500 (17.44)	66,800 (19.58)	74,800 (21.92)	83,200 (24.38)	92,200 (27.02)	101,700 (29.81)	111,900 (32.8)	122,600 (35.93)	133,800 (39.21)	145,300 (42.58)
HD*E-0900MK[ ]J( )-D	4TES-12	61,500 (18.02)	69,400 (20.34)	77,800 (22.8)	86,900 (25.47)	96,600 (28.31)	107,000 (31.36)	118,100 (34.61)	129,800 (38.04)	142,200 (41.68)	155,400 (45.55)
HD*E-1000MK[ ]J( )-D	4PES-15	68,100 (19.96)	76,800 (22.51)	86,300 (25.29)	96,400 (28.25)	107,200 (31.42)	118,800 (34.82)	131,000 (38.39)	144,000 (42.2)	157,700 (46.22)	172,100 (50.44)
HD*E-1200MK[ ]J( )-D	4NES-20	80,300 (23.53)	90,100 (26.41)	100,700 (29.51)	111,900 (32.8)	123,900 (36.31)	136,600 (40.04)	150,000 (43.96)	164,200 (48.12)	178,700 (52.37)	194,200 (56.92)
HD*E-1400MK[ ]J( )-D	4JE-22	88,900 (26.06)	99,500 (29.16)	110,700 (32.44)	122,500 (35.9)	135,100 (39.6)	148,300 (43.46)	162,200 (47.54)	176,400 (51.7)	191,600 (56.15)	207,400 (60.79)

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

Medium Temperature Bitzer MV1 with R-454C Capacity at 105° F (40.6° C) Ambient Temperature

Model	Compressor	BTU/h (kW)									
		0° F (-17.8° C)	5° F (-15° C)	10° F (-12.2° C)	15° F (-9.4° C)	20° F (-6.7° C)	25° F (-3.9° C)	30° F (-1.1° C)	35° F (1.7° C)	40° F (4.4° C)	45° F (7.2° C)
HD*E-0100MK[ JB( )-D	2HES-2	8,800 (2.58)	9,900 (2.9)	11,200 (3.28)	12,600 (3.69)	14,000 (4.1)	15,600 (4.57)	17,300 (5.07)	19,100 (5.6)	21,000 (6.15)	23,000 (6.74)
HD*E-0100MK[ JD( )-D	2HES-2	9,000 (2.64)	10,300 (3.02)	11,600 (3.4)	13,100 (3.84)	14,700 (4.31)	16,400 (4.81)	18,200 (5.33)	20,200 (5.92)	22,300 (6.54)	24,500 (7.18)
HD*E-0150MK[ JB( )-D	2FES-3	12,500 (3.66)	14,100 (4.13)	15,900 (4.66)	17,700 (5.19)	19,600 (5.74)	21,700 (6.36)	23,900 (7.00)	26,300 (7.71)	28,700 (8.41)	31,200 (9.14)
HD*E-0150MK[ JD( )-D	2FES-3	13,200 (3.87)	14,900 (4.37)	16,800 (4.92)	18,800 (5.51)	21,000 (6.15)	23,300 (6.83)	25,800 (7.56)	28,500 (8.35)	31,300 (9.17)	34,300 (10.05)
HD*E-0200MK[ JB( )-D	2EES-3	15,500 (4.54)	17,400 (5.1)	19,500 (5.72)	21,700 (6.36)	24,100 (7.06)	26,600 (7.8)	29,200 (8.56)	32,000 (9.38)	35,000 (10.26)	38,200 (11.2)
HD*E-0200MK[ JD( )-D	2EES-3	16,300 (4.78)	18,400 (5.39)	20,700 (6.07)	23,200 (6.8)	25,800 (7.56)	28,600 (8.38)	31,700 (9.29)	34,900 (10.23)	38,300 (11.23)	42,000 (12.31)
HD*E-0220MK[ JB( )-D	2DES-3	17,700 (5.19)	19,800 (5.8)	22,100 (6.48)	24,500 (7.18)	27,100 (7.94)	29,800 (8.73)	32,700 (9.58)	35,800 (10.49)	39,000 (11.43)	N/A
HD*E-0220MK[ JD( )-D	2DES-3	18,800 (5.51)	21,100 (6.18)	23,700 (6.95)	26,400 (7.74)	29,300 (8.59)	32,500 (9.53)	35,900 (10.52)	39,400 (11.55)	43,200 (12.66)	47,100 (13.8)
HD*E-0300MK[ JD( )-D	2CES-4	23,400 (6.86)	26,200 (7.68)	29,200 (8.56)	32,500 (9.53)	35,900 (10.52)	39,600 (11.61)	43,500 (12.75)	47,600 (13.95)	52,000 (15.24)	56,700 (16.62)
HD*E-0300MK[ JF( )-D	2CES-4	25,200 (7.39)	28,300 (8.29)	31,800 (9.32)	35,600 (10.43)	39,600 (11.61)	44,000 (12.9)	48,700 (14.27)	53,800 (15.77)	59,200 (17.35)	65,000 (19.05)
HD*E-0400MK[ JF( )-D	4FES-5	27,300 (8)	30,800 (9.03)	34,600 (10.14)	38,700 (11.34)	43,200 (12.66)	48,000 (14.07)	53,100 (15.56)	58,700 (17.2)	64,600 (18.93)	70,900 (20.78)
HD*E-0400MK[ J( )-D	4FES-5	27,700 (8.12)	31,300 (9.17)	35,300 (10.35)	39,500 (11.58)	44,100 (12.92)	49,100 (14.39)	54,500 (15.97)	60,200 (17.64)	66,400 (19.46)	73,000 (21.4)
HD*E-0500MK[ JF( )-D	4EES-6	33,500 (9.82)	37,800 (11.08)	42,400 (12.43)	47,300 (13.86)	52,700 (15.45)	58,500 (17.15)	64,700 (18.96)	71,300 (20.9)	78,300 (22.95)	85,800 (25.15)
HD*E-0500MK[ J( )-D	4EES-6	34,200 (10.02)	38,600 (11.31)	43,400 (12.72)	48,600 (14.24)	54,200 (15.89)	60,200 (17.64)	66,700 (19.55)	73,700 (21.6)	81,100 (23.77)	89,100 (26.11)
HD*E-0600MK[ JF( )-D	4DES-7	37,600 (11.02)	42,400 (12.43)	47,500 (13.92)	53,100 (15.56)	59,100 (17.32)	65,500 (19.2)	72,400 (21.22)	79,700 (23.36)	87,500 (25.64)	95,800 (28.08)
HD*E-0600MK[ J( )-D	4DES-7	38,500 (11.28)	43,500 (12.75)	48,800 (14.3)	54,700 (16.03)	60,900 (17.85)	67,700 (19.84)	75,000 (21.98)	82,800 (24.27)	91,100 (26.7)	99,900 (29.28)
HD*E-0700MK[ JF( )-D	4VES-10	45,400 (13.31)	51,300 (15.04)	57,700 (16.91)	64,600 (18.93)	72,100 (21.13)	80,000 (23.45)	88,500 (25.94)	97,300 (28.52)	106,800 (31.3)	116,800 (34.23)
HD*E-0700MK[ J( )-D	4VES-10	46,700 (13.69)	53,000 (15.53)	59,800 (17.53)	67,200 (19.7)	75,100 (22.01)	83,600 (24.5)	92,700 (27.17)	102,500 (30.04)	112,900 (33.09)	123,900 (36.31)
HD*E-0900MK[ JF( )-D	4TES-12	53,900 (15.8)	60,700 (17.79)	68,000 (19.93)	75,800 (22.22)	84,100 (24.65)	92,800 (27.2)	102,200 (29.95)	112,200 (32.88)	122,700 (35.96)	N/A
HD*E-0900MK[ J( )-D	4TES-12	55,900 (16.38)	63,100 (18.49)	70,900 (20.78)	79,300 (23.24)	88,300 (25.88)	98,000 (28.72)	108,300 (31.74)	119,300 (34.96)	130,600 (38.28)	142,900 (41.88)
HD*E-1000MK[ J( )-D	4PES-15	61,400 (18)	69,500 (20.37)	78,200 (22.92)	87,500 (25.64)	97,600 (28.6)	108,300 (31.74)	119,500 (35.02)	131,600 (38.57)	144,400 (42.32)	158,000 (46.31)
HD*E-1200MK[ J( )-D	4NES-20	72,800 (21.34)	81,900 (24)	91,600 (26.85)	101,900 (29.87)	113,100 (33.15)	124,600 (36.52)	137,100 (40.18)	150,300 (44.05)	N/A	N/A
HD*E-1400MK[ J( )-D	4JE-22	80,400 (23.56)	90,100 (26.41)	100,400 (29.43)	111,400 (32.65)	122,700 (35.96)	135,000 (39.57)	147,900 (43.35)	N/A	N/A	N/A

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

### Medium Temperature Bitzer MV1 with R-454C Configuration and Connection Data

Model	Compressor	Condenser / Size Classification	Refrigerant Connections		Standard Receiver
			Liquid OD	Suction OD	
HD*E-0100MD[ ]B( )-D	2HES-2	B / Medium	1/2	5/8	C
HD*E-0100MD[ ]D( )-D	2HES-2	B / Medium	1/2	5/8	E
HD*E-0150MD[ ]B( )-D	2FES-3	D / Medium	5/8	5/8	C
HD*E-0150MD[ ]D( )-D	2FES-3	B / Medium	5/8	5/8	E
HD*E-0200MD[ ]B( )-D	2EES-3	D / Medium	5/8	7/8	C
HD*E-0200MD[ ]D( )-D	2EES-3	B / Medium	5/8	7/8	E
HD*E-0220MD[ ]B( )-D	2DES-3	D / Medium	5/8	7/8	C
HD*E-0220MD[ ]D( )-D	2DES-3	B / Medium	5/8	7/8	E
HD*E-0300MD[ ]D( )-D	2CES-4	D / Medium	5/8	7/8	E
HD*E-0300MD[ ]F( )-D	2CES-4	D / Medium	5/8	7/8	F
HD*E-0400MD[ ]F( )-D	4FES-5	F / Large	5/8	7/8	F
HD*E-0400MD[ ]J( )-D	4FES-5	D / Medium	5/8	7/8	H
HD*E-0500MD[ ]F( )-D	4EES-6	F / Large	5/8	1-1/8	F
HD*E-0500MD[ ]J( )-D	4EES-6	F / Large	5/8	1-1/8	H
HD*E-0600MD[ ]F( )-D	4DES-7	J / Extra Large	5/8	1-1/8	F
HD*E-0600MD[ ]J( )-D	4DES-7	F / Large	5/8	1-1/8	H
HD*E-0700MD[ ]F( )-D	4VES-10	J / Extra Large	7/8	1-1/8	F
HD*E-0700MD[ ]J( )-D	4VES-10	F / Large	7/8	1-1/8	H
HD*E-0900MD[ ]F( )-D	4TES-12	J / Extra Large	7/8	1-3/8	F
HD*E-0900MD[ ]J( )-D	4TES-12	F / Large	7/8	1-3/8	H
HD*E-1000MD[ ]J( )-D	4PES-15	J / Extra Large	7/8	1-5/8	H
HD*E-1200MD[ ]J( )-D	4NES-20	F / Large	7/8	1-5/8	H
HD*E-1400MD[ ]J( )-D	4JE-22	J / Extra Large	7/8	1-5/8	H

\* Base Type

[ ] Voltage

( ) Receiver Size

# H-Series A2L

## Specifications

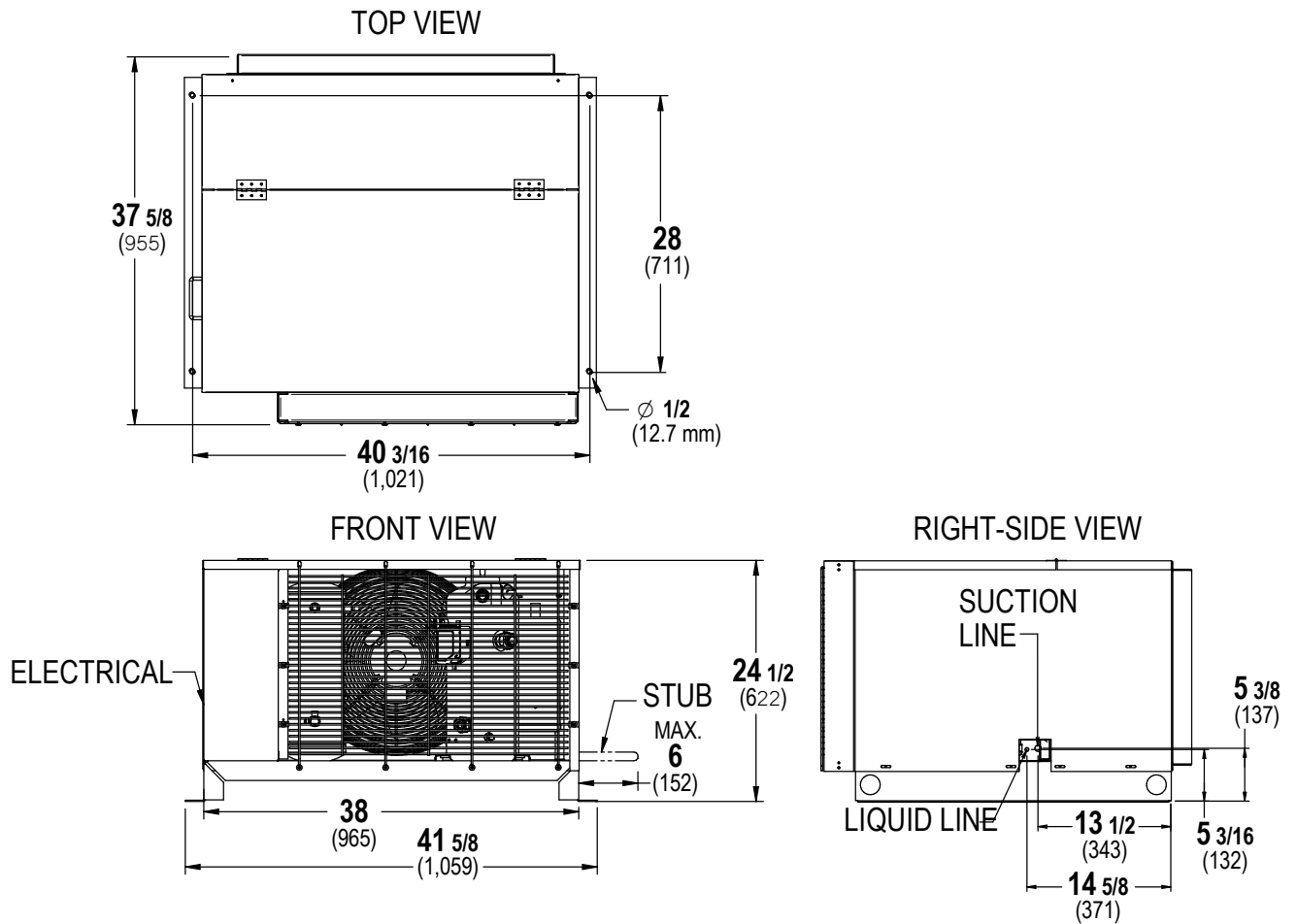
### Standard and Optional Features

Feature/Component	Standard	Optional
Compressor Oil Control (requires separator)	none	Emerson OMC Sporlan mechanical float
Condenser Coil	uncoated	Electrofin coated
Condenser Fan Control	electro-mechanical switches (ON/OFF)	electronic fan-cycling (ON/OFF)
Condenser Fan Motor Type	PSC (permanent split capacitor type)	N/A
Controls	electro-mechanical pressure switches	electronic controls
Defrost Control	time clock	electronic contactors and fuses
Frame/Receiver Type	standard base with vertical receiver	heavy-duty base with horizontal receiver
High Pressure Control	cartridge manual reset	cartridge automatic reset adjustable manual or auto reset
Hurricane-Rated	no	yes
Liquid Drier	sealed with sight glass	replaceable core with sight glass
Main Power Disconnect	none	fused (ship loose) non-fused (ship loose)
Main Protection Type	fused	circuit breaker
Oil Separator	none	helical
Pressure Relief	fusible plug	relief valve
Shipping	skid with plastic shrink wrap	fully crated
Suction Accumulator	none	accumulator (with or without boil-out)
Suction Filter	none	sealed steel replaceable core brass replaceable core
Suction Insulator	none	1/2", 3/4", or 1"

### Weight

Model	Approximate Unit Weight
Small Standard Frame	430 lb (195 kg)
Medium Standard Frame	710 lb (322 kg)
Large Standard Frame	1,370 lb (621 kg)
Extra Large Standard Frame	1,795 (814 kg)
Small Heavy-Duty Frame	550 lb (249 kg)
Medium Heavy-Duty Frame	830 lb (376 kg)
Large Heavy-Duty Frame	1,575 lb (714 kg)
Extra Large Heavy-Duty Frame	2,005 lb (909 kg)

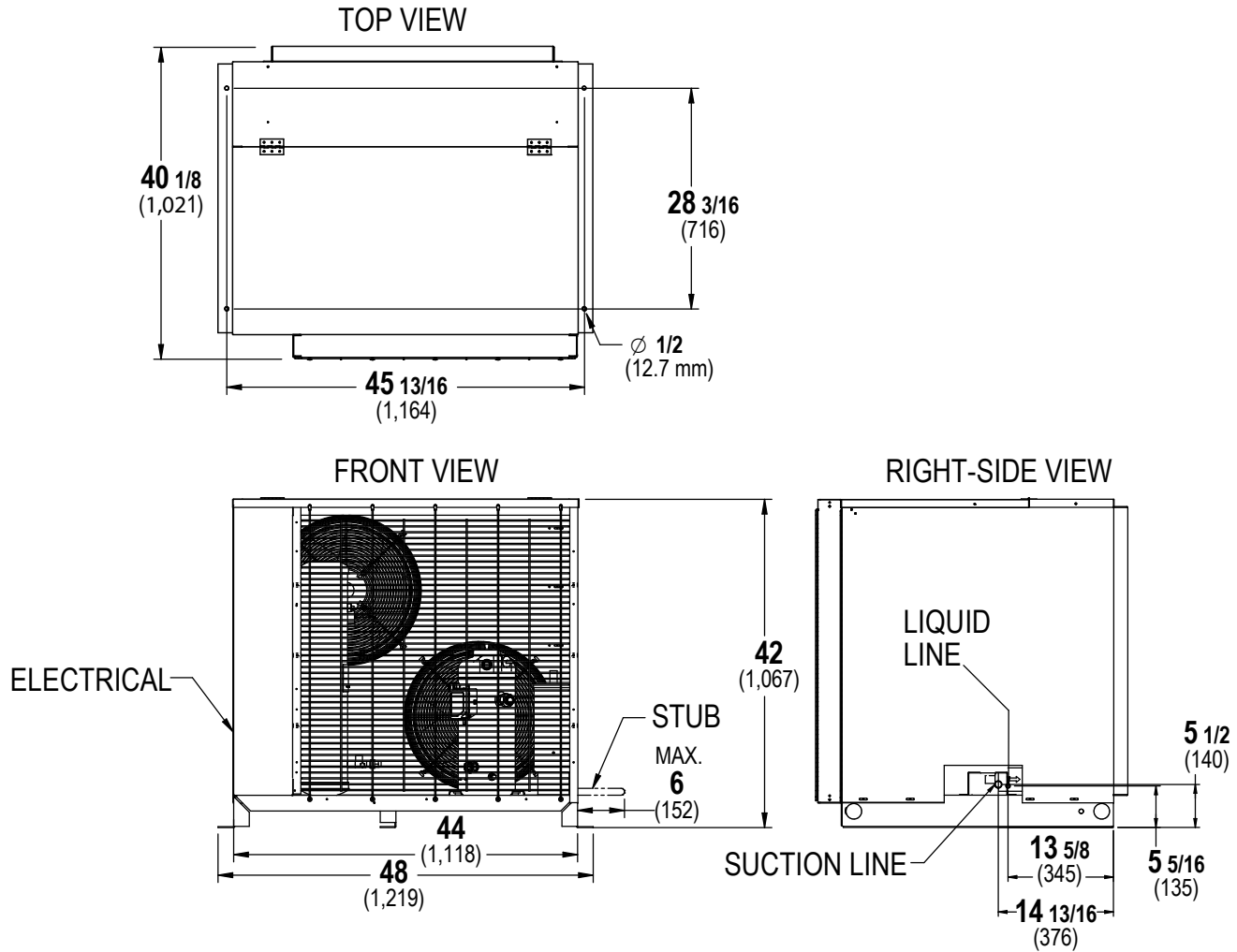
**Dimensional Views**  
**Small Standard Frame**



# H-Series A2L

## Dimensional Drawings

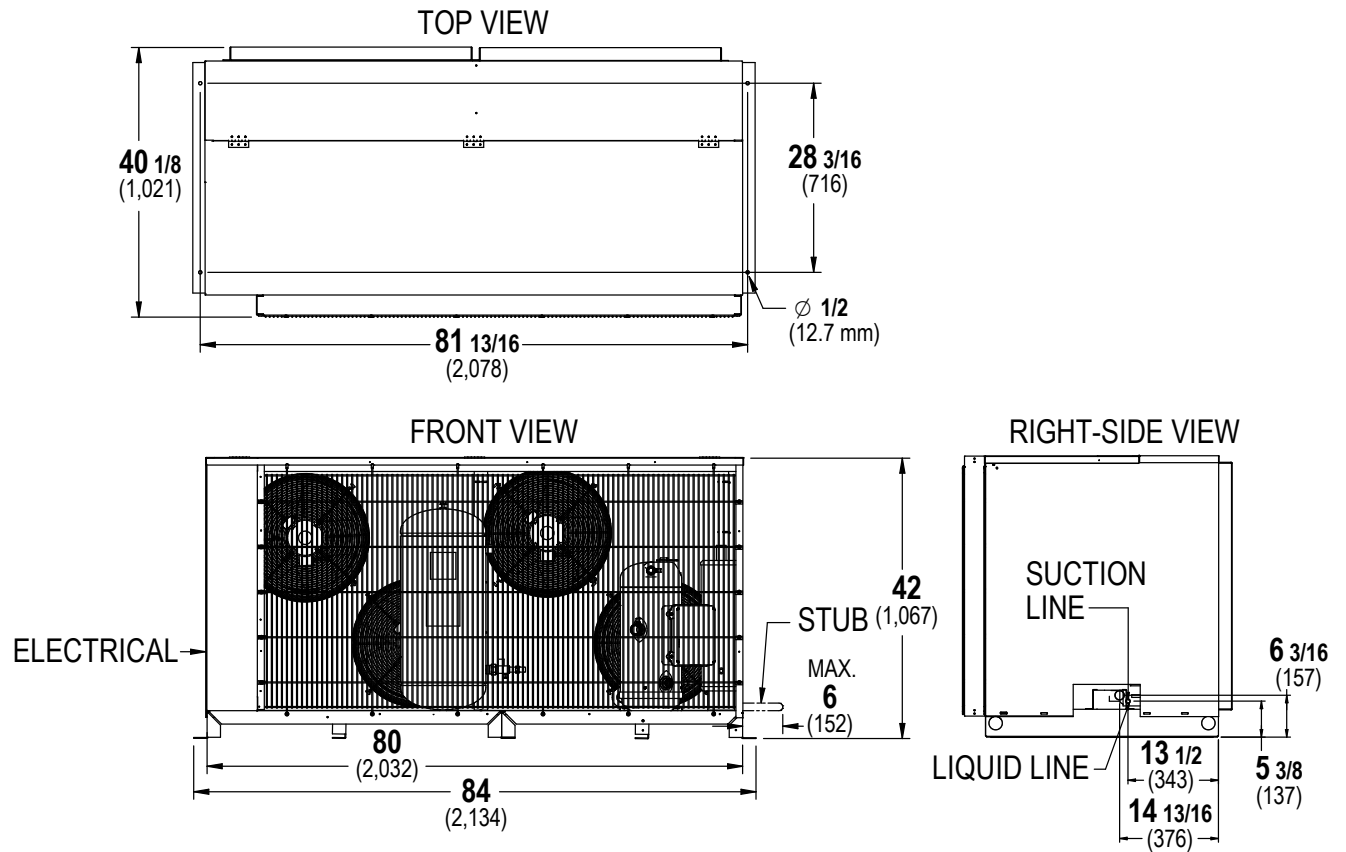
### Medium Standard Frame



# H-Series A2L

## Dimensional Drawings

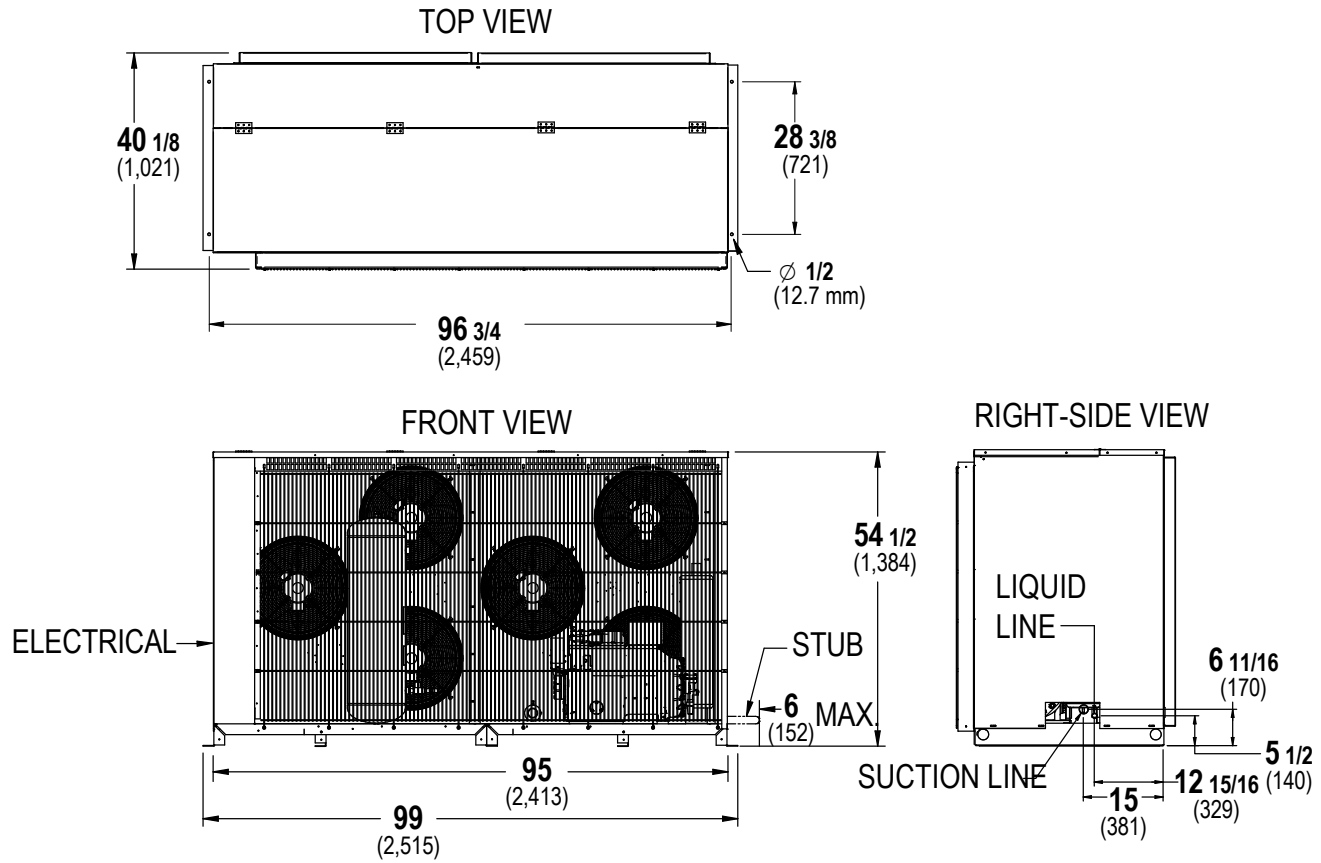
### Large Standard Frame



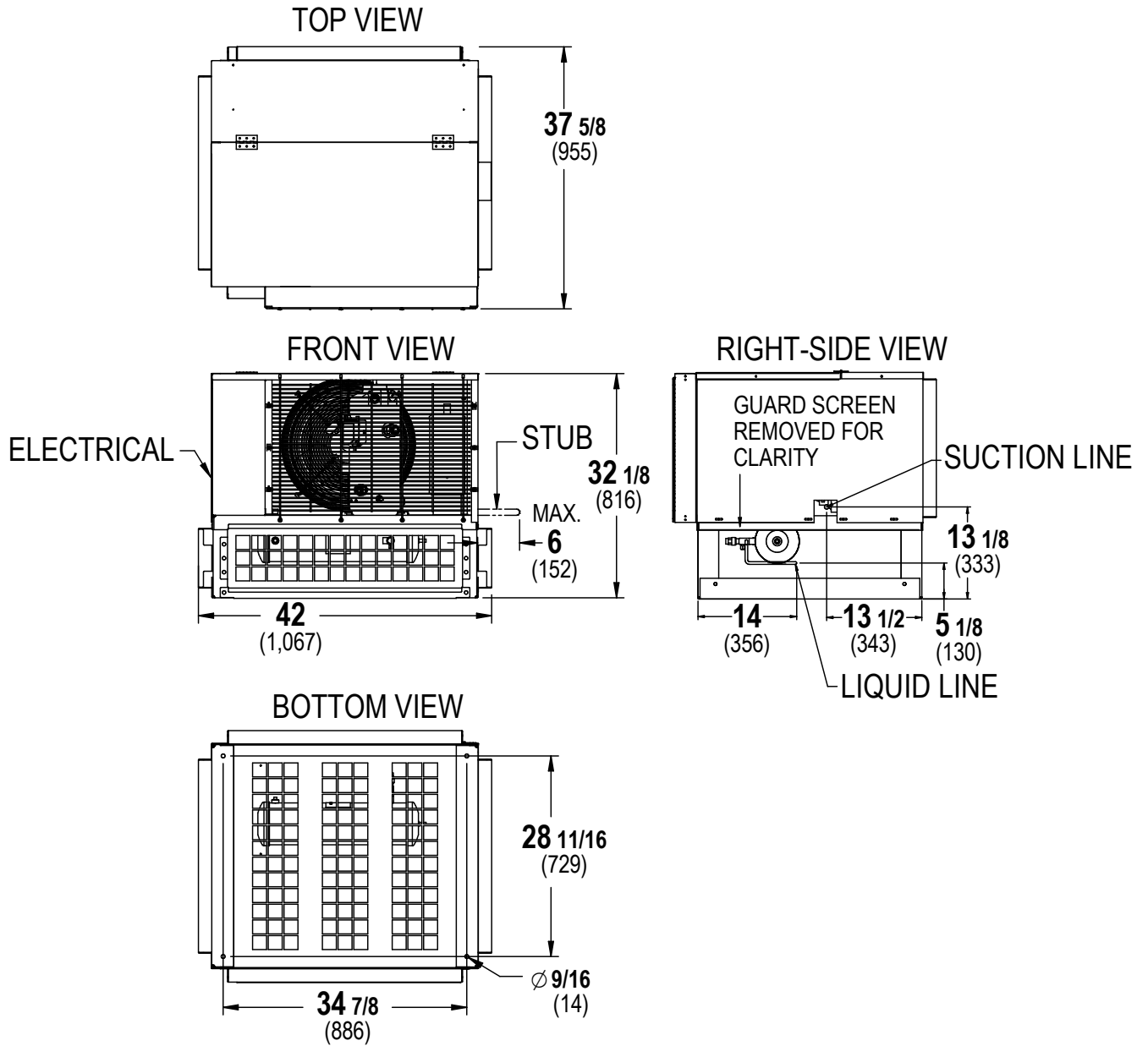
# H-Series A2L

## Dimensional Drawings

### Extra Large Standard Frame



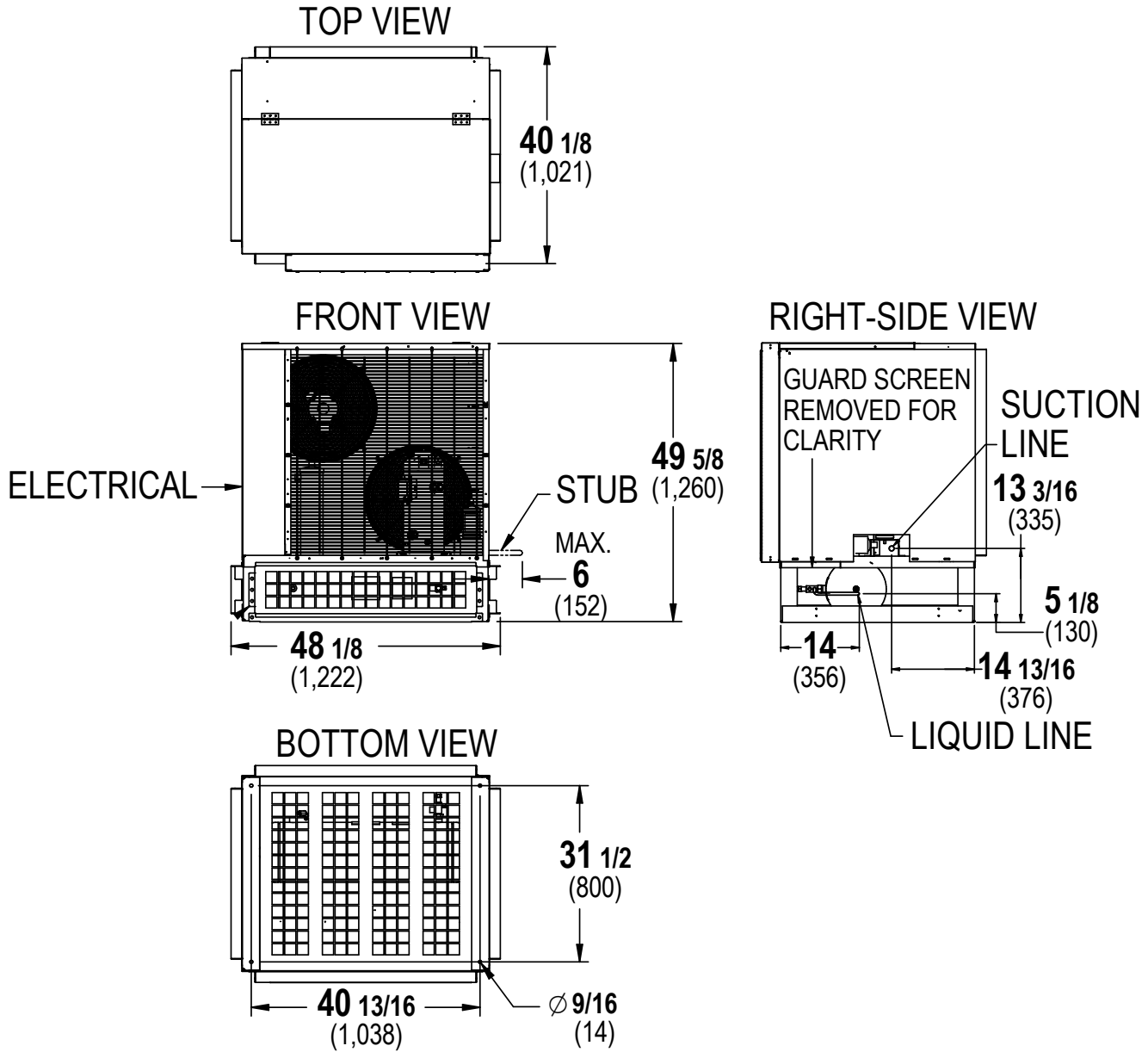
**Small Heavy-Duty Frame**



# H-Series A2L

## Dimensional Drawings

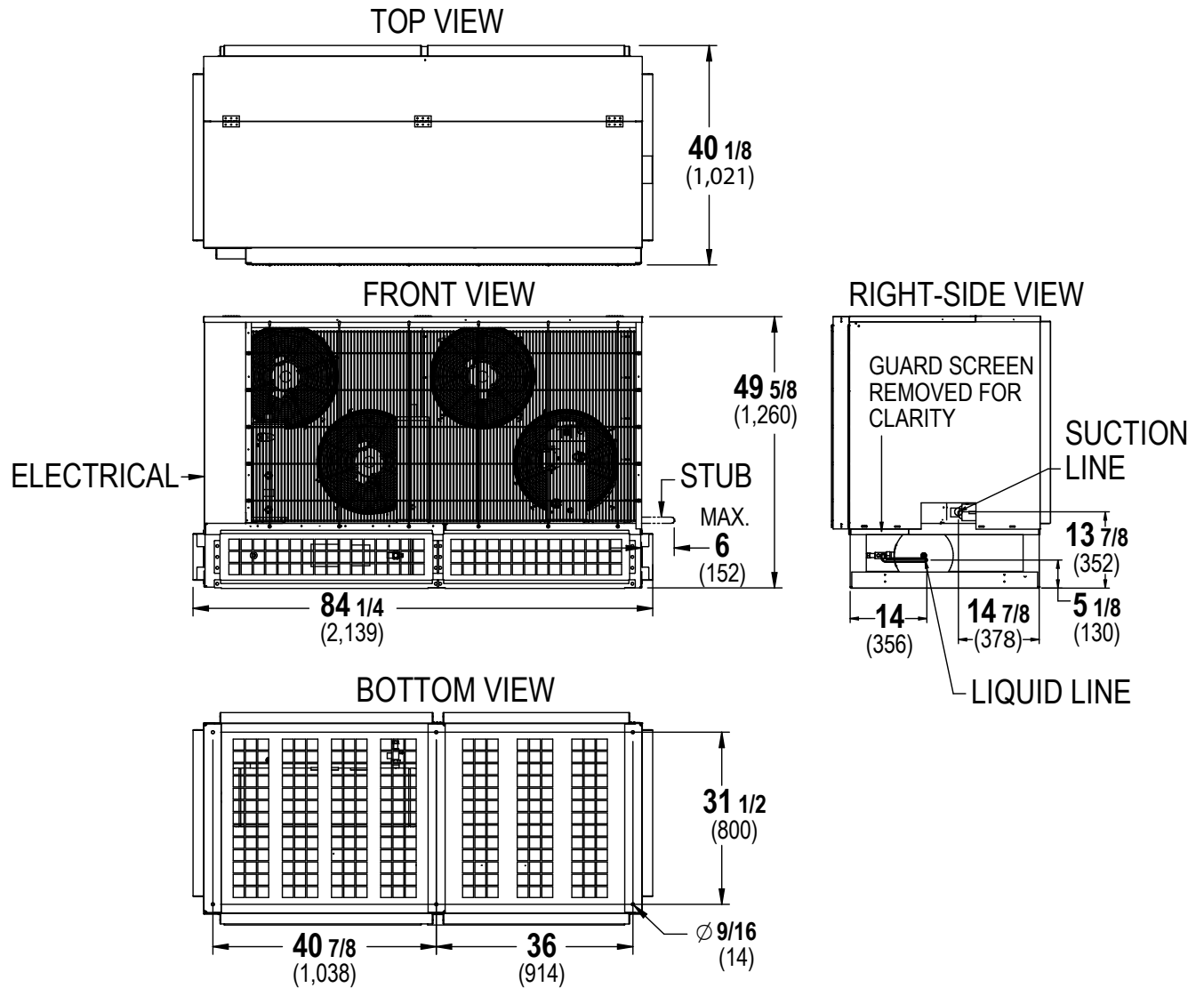
### Medium Heavy-Duty Frame



# H-Series A2L

## Dimensional Drawings

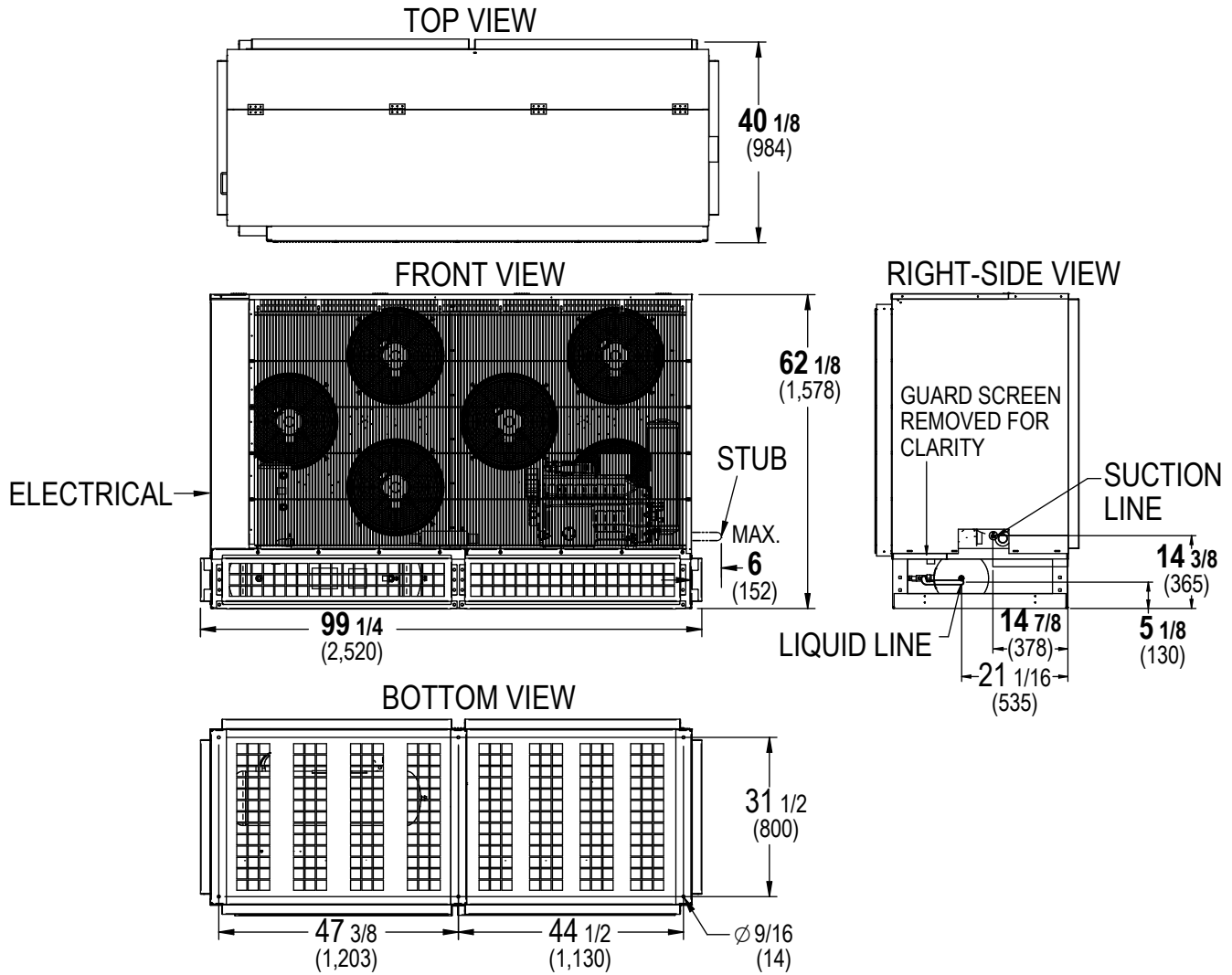
### Large Heavy-Duty Frame



# H-Series A2L

## Dimensional Drawings

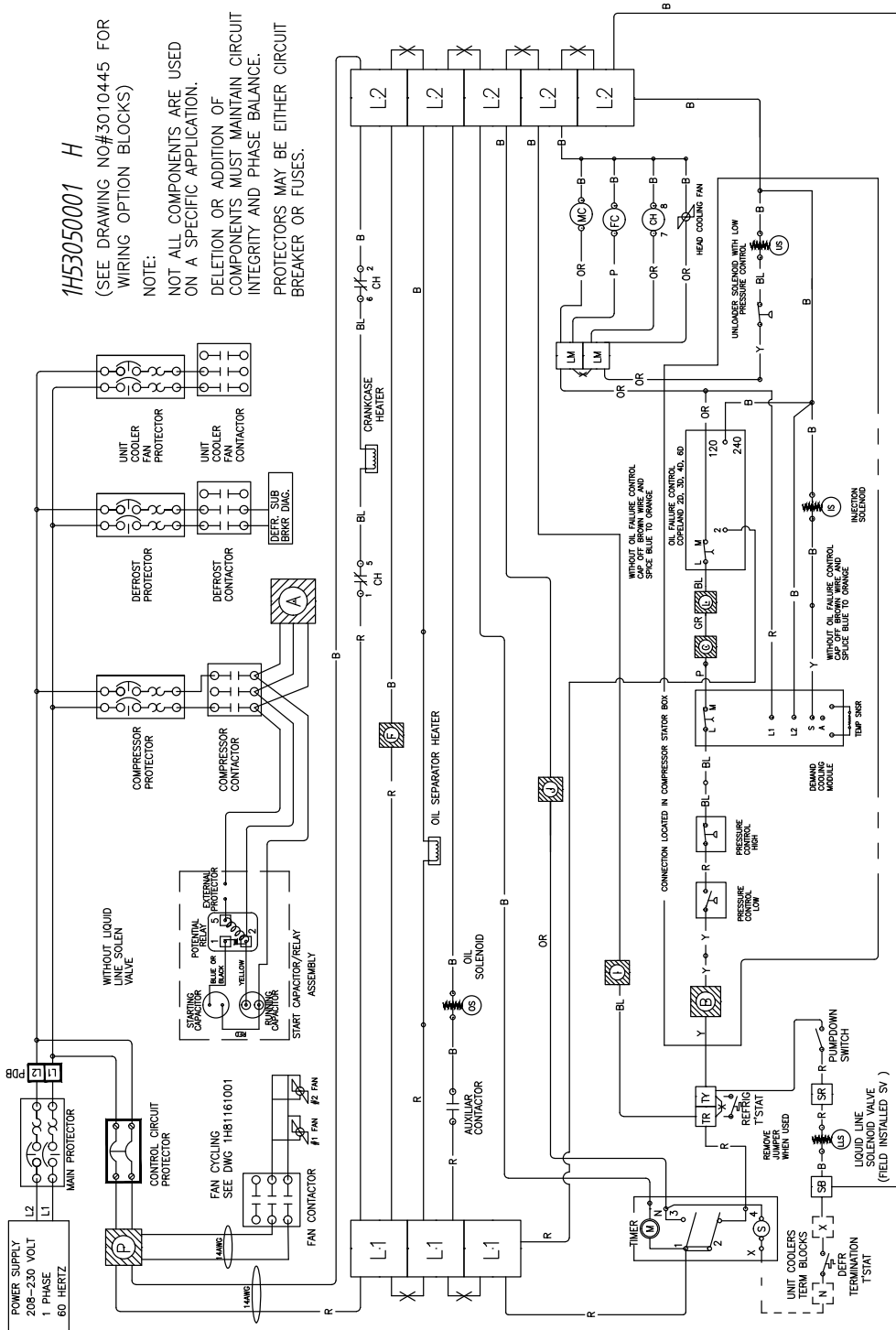
### Extra Large Heavy-Duty Frame



### Wiring Diagrams

Wire color and configuration depicted on defrost wiring diagrams provided in this document may change depending on configuration or for other design reasons. Example diagrams are provided, but do not represent every possible option. Always consult the wiring diagrams provided with the equipment being worked on for the most accurate information. Equipment-specific wiring diagrams are included in the electrical compartment of the equipment from the factory and must remain in the unit after installation for future use—do not discard.

### 208–230 VAC, 1-Phase



# H-Series A2L

## Wiring Diagrams

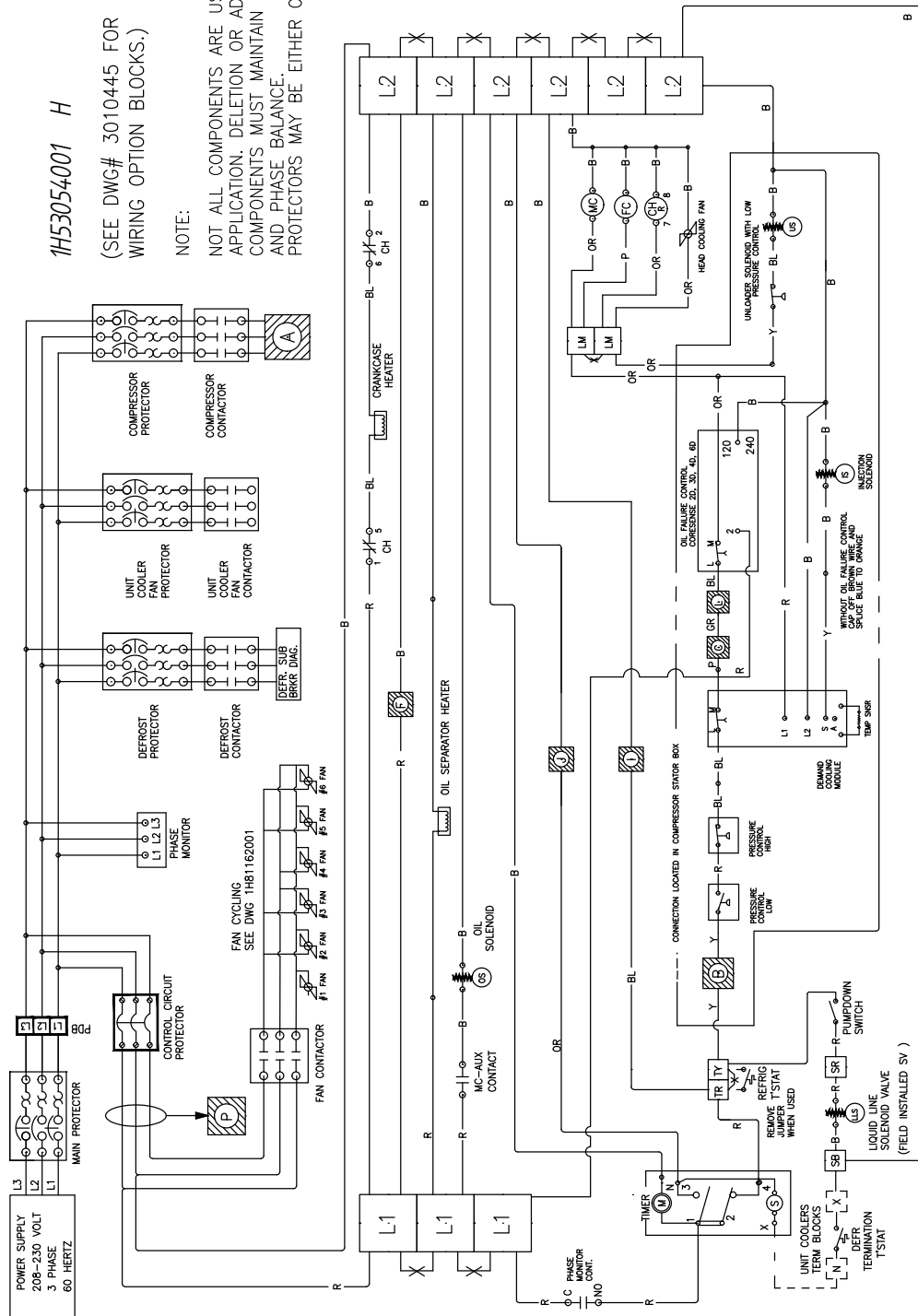
208-230 VAC, 3-Phase

1H53054001 H

(SEE DWG# 3010445 FOR WIRING OPTION BLOCKS.)

NOTE:

NOT ALL COMPONENTS ARE USED ON A SPECIFIC APPLICATION. DELETION OR ADDITION OF COMPONENTS MUST MAINTAIN CIRCUIT INTEGRITY AND PHASE BALANCE. PROTECTORS MAY BE EITHER CIRCUIT BREAKER OR FUSES.

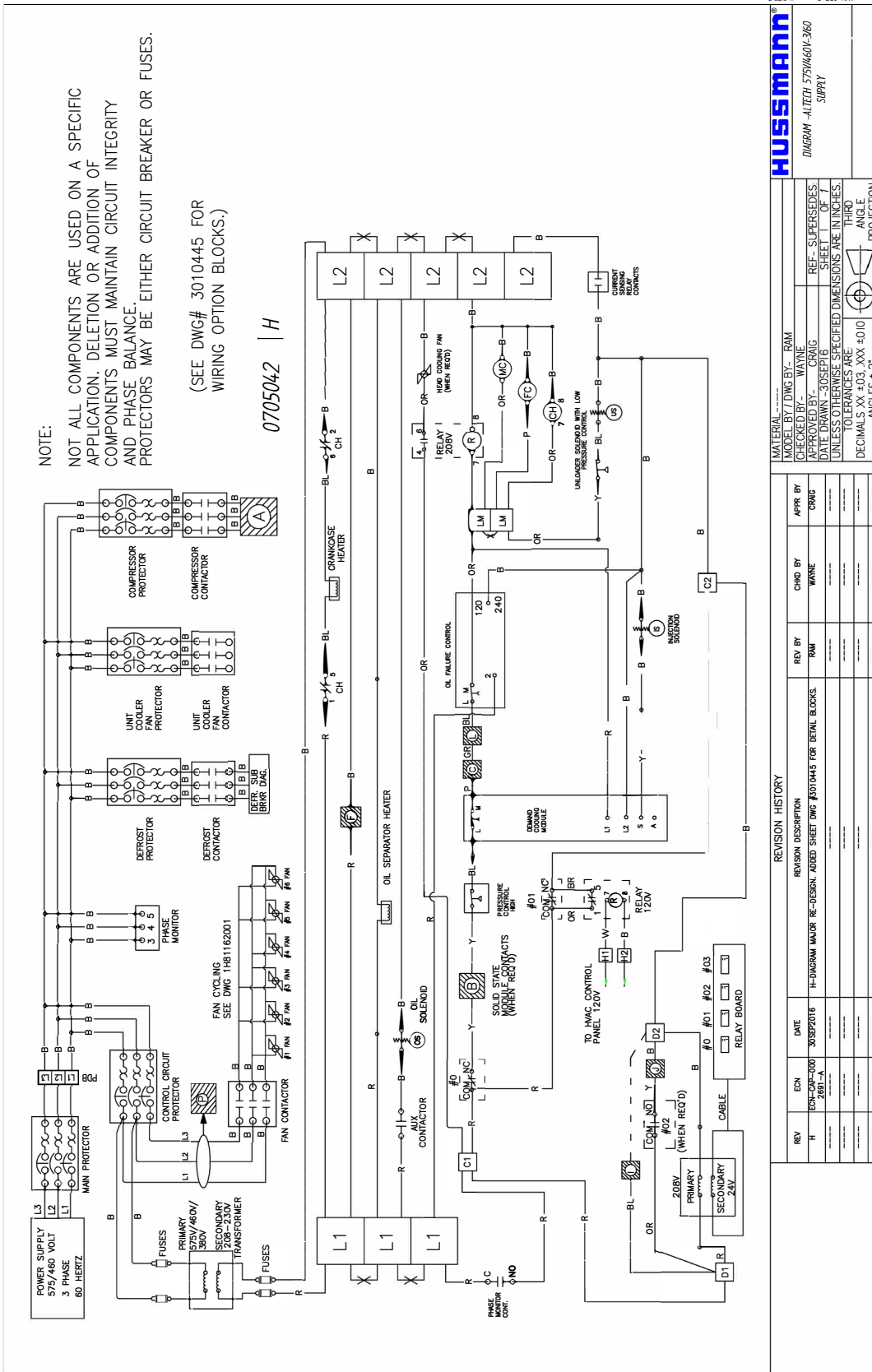




# H-Series A2L

## Wiring Diagrams

### 460 VAC and 575 VAC, 3-Phase (version 2)

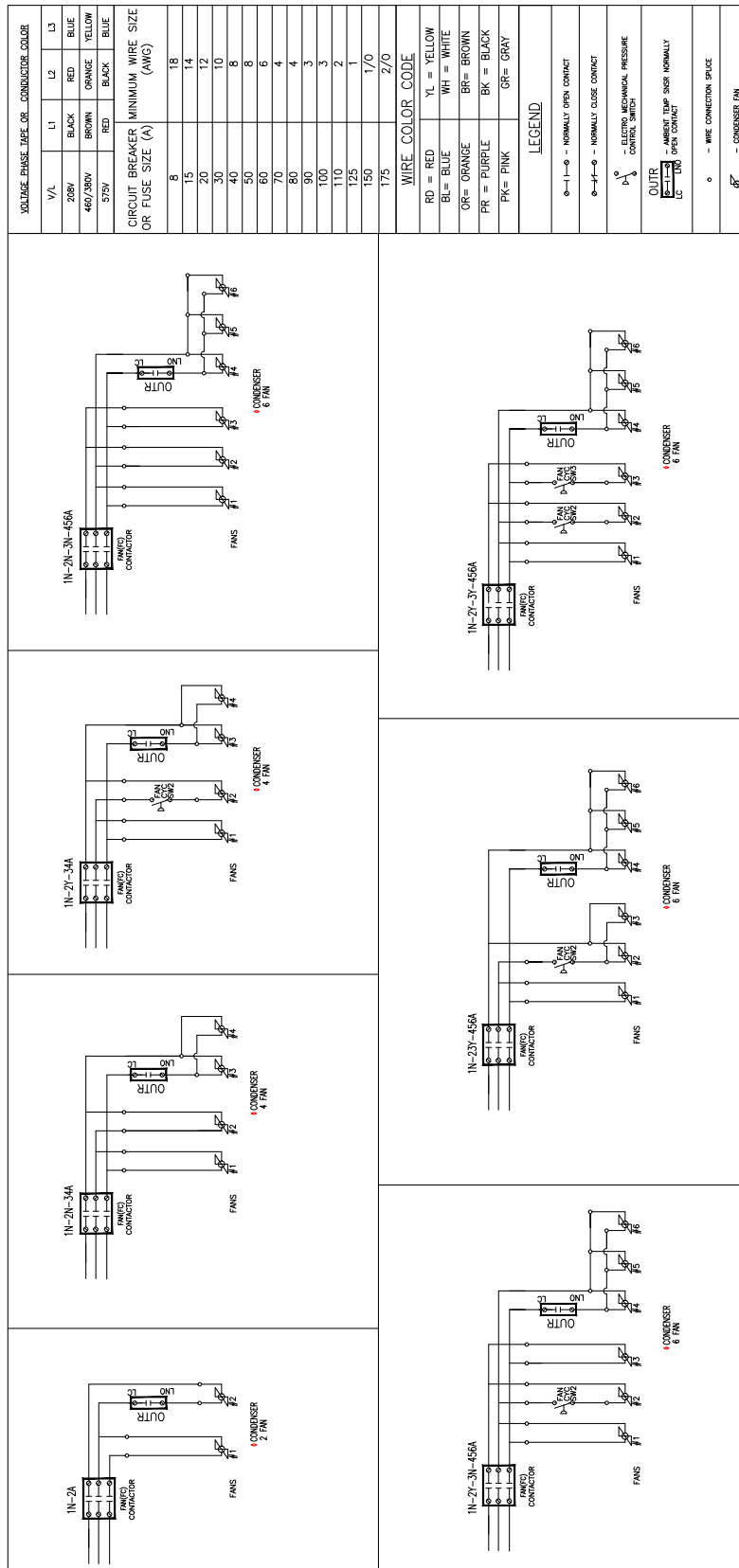


NOTE:  
 NOT ALL COMPONENTS ARE USED ON A SPECIFIC APPLICATION. DELETION OR ADDITION OF COMPONENTS MUST MAINTAIN CIRCUIT INTEGRITY AND PHASE BALANCE.  
 PROTECTORS MAY BE EITHER CIRCUIT BREAKER OR FUSES.  
 (SEE DWG# 3010445 FOR WIRING OPTION BLOCKS.)

0705042 | H

<b>HUSSMANN</b> MODEL BY / DWG BY: - RAM CHECKED BY: - WAYNE APPROVED BY: - CRANG DATE DRAWN: - 03SEP16 SHEET OF 7 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE DECIMALS XXX.000 XXX.40/0 THIRD ANGLE PROJECTION	
MATERIAL: - MODEL BY / DWG BY: - RAM CHECKED BY: - WAYNE APPROVED BY: - CRANG DATE DRAWN: - 03SEP16 SHEET OF 7 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE DECIMALS XXX.000 XXX.40/0 THIRD ANGLE PROJECTION	
REVISION HISTORY REVISION DESCRIPTION H-DIAGRAM MAJOR RE-DESIGN. ADDED SHEET DWG #010445 FOR DETAIL BLOCKS.	CHD BY: WAYNE APR BY: CRANG
REV: H EGN: H DATE: 03SEP2016 288T-A	REV BY: RAM

### Fan Wiring (208–230 VAC, 1-phase)

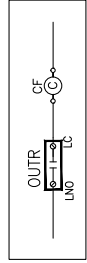
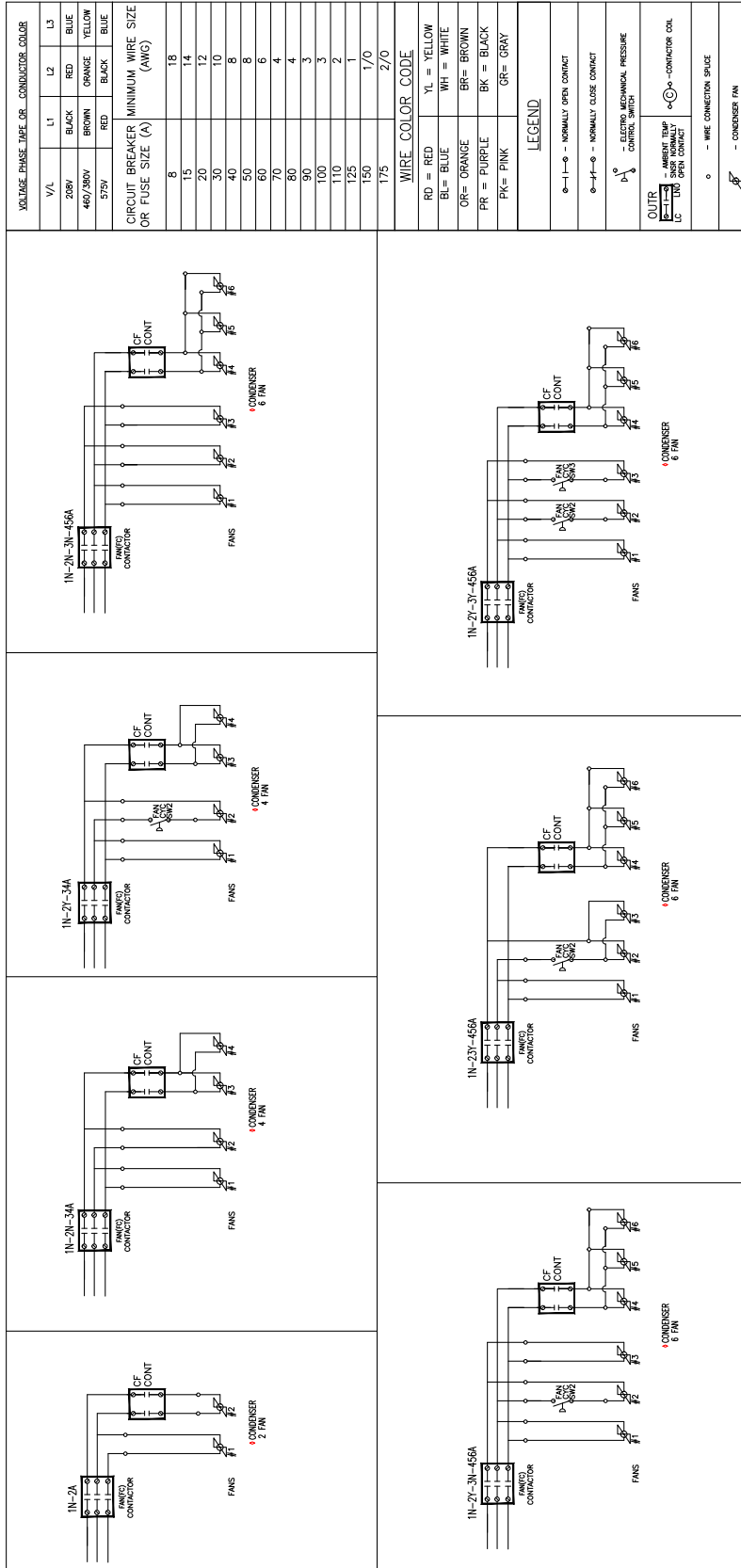


FAN CYCLING NOTES:  
 1. MAKE LABELS FOR FANS AND CORRESPONDING CYCLING SWITCHES AS FOLLOWS:  
 LABEL FANS AS FAN#1, FAN#2, FAN#3, ETC.  
 LABEL CYCLING SWITCHES AS FAN CYC SW2, FAN CYC SW3, ETC.

# H-Series A2L

## Wiring Diagrams

### Fan Wiring (208–230 VAC, 3-phase)



FAN CYCLING NOTES:  
 1. MAKE LABELS FOR FANS AND CORRESPONDING CYCLING SWITCHES AS FOLLOWS:  
 LABEL FANS AS FAN#1, FAN#2, FAN#3, ETC.  
 LABEL CYCLING SWITCHES AS FAN CYC SW2, FAN CYC SW3, ETC.

### Fan Wiring (460 VAC and 575 VAC, 3-phase)

VOLTAGE PHASE WIRE OR CONDUCTOR COLOR	
V/L	L3
208V	RED BLUE
460/580V	BROWN ORANGE YELLOW
575V	RED BLACK BLUE

CIRCUIT BREAKER MINIMUM WIRE SIZE OR FUSE SIZE (AWG)	
8	18
15	14
20	12
30	10
40	8
50	6
60	6
70	4
80	4
90	3
100	3
110	2
125	1
150	1/0
175	2/0

WIRE COLOR CODE	
RD = RED	YL = YELLOW
BL = BLUE	WH = WHITE
OR = ORANGE	BR = BROWN
PK = PURPLE	BK = BLACK
PK = PINK	GR = GRAY

LEGEND	
○— —○	NORMALLY OPEN CONTACT
○— —○	NORMALLY CLOSE CONTACT
⊖	ELECTRO MECHANICAL PRESSURE CONTROL SWITCH
OUTR	OVERCURRENT RELAY
○— —○	NORMALLY SHUT NORMALLY OPEN CONTACT
○	WIRE CONNECTION SPACE
⊖	CONDENSER FAN

1N-2N-3N-456A  
FAN(3)  
CONTRACTOR

CONDENSER  
6 FAN

1N-2Y-3Y-456A  
FAN(3)  
CONTRACTOR

CONDENSER  
6 FAN

1N-2N-3A  
FAN(2)  
CONTRACTOR

CONDENSER  
4 FAN

1N-2Y-3A  
FAN(2)  
CONTRACTOR

CONDENSER  
4 FAN

1N-2N-3A  
FAN(2)  
CONTRACTOR

CONDENSER  
4 FAN

1N-2Y-3N-456A  
FAN(3)  
CONTRACTOR

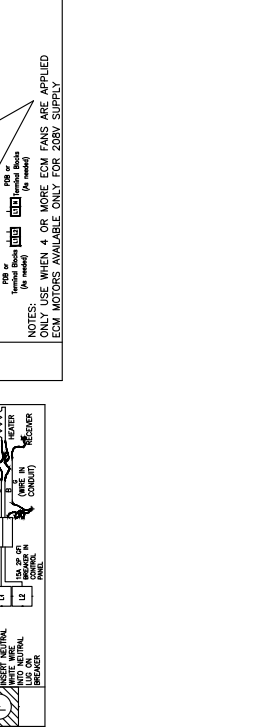
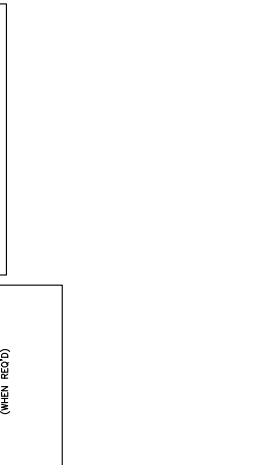
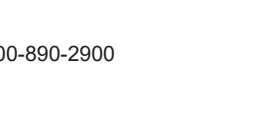
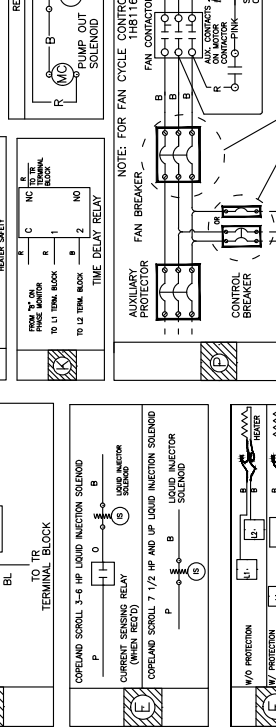
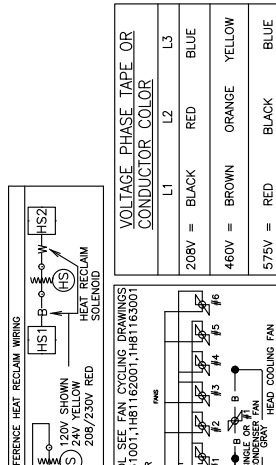
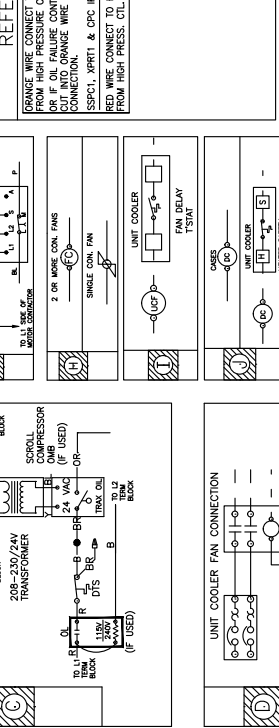
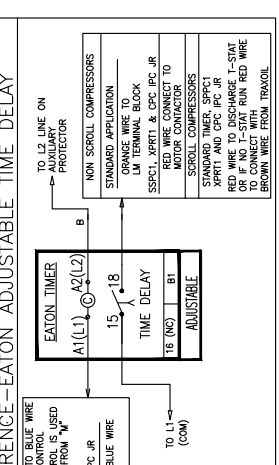
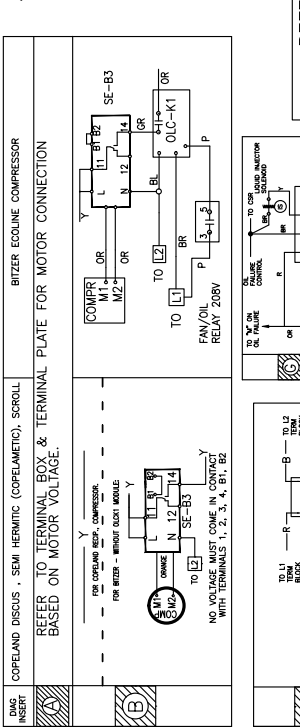
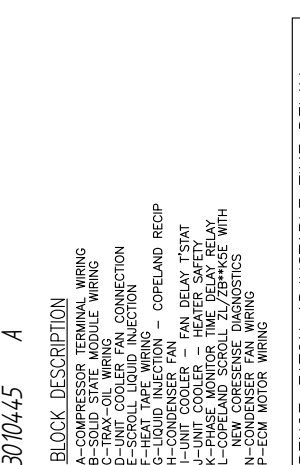
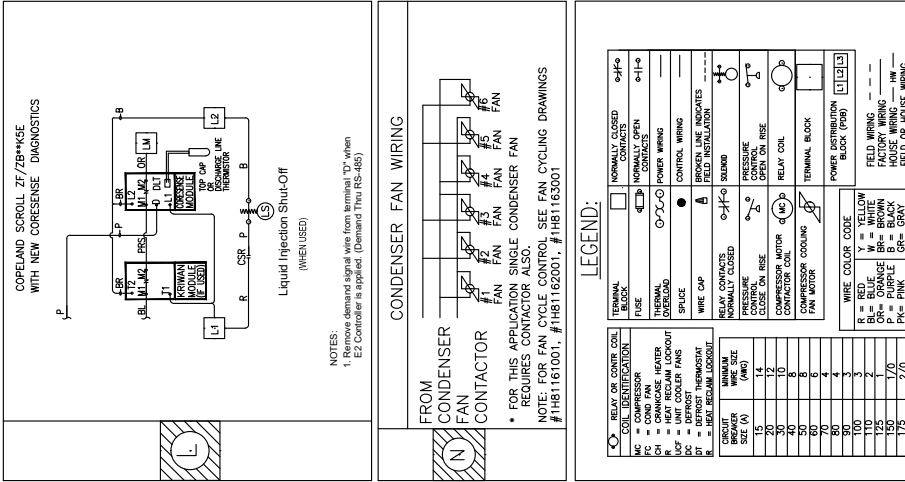
CONDENSER  
6 FAN

FAN CYCLING NOTES:  
 1. MAKE LABELS FOR FANS AND CORRESPONDING CYCLING SWITCHES AS FOLLOWS:  
 LABEL FANS AS FAN#1, FAN#2, FAN#3, ETC.  
 LABEL CYCLING SWITCHES AS FAN CYC SW2, FAN CYC SW3, ETC.

# H-Series A2L

## Wiring Diagrams

### Optional Wiring Blocks



**Notes**



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### 3244069 Revision History

Revision A: (March 2026) Initial release.

Revision B: Updated performance data.



Scan the QR code on your mobile device to access additional product information or order parts using your unit's serial number.

Parts may also be ordered at:

[parts.husmann.com](https://parts.husmann.com)

Call toll free: 1.855.487.7778

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