

# Commercial Catalog

North America



think ahead

embraco  
*Nidec*

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# We are Nidec Global Appliance

## A global partner for home and commercial refrigeration industries

With over 10,000 employees across 9 countries, Nidec Global Appliance manufactures and commercializes products for domestic and commercial applications, including Embraco refrigeration solutions and Nidec motors for washing machines, dryers and dishwashers. Nidec Global Appliance is a business platform within Nidec Appliance, Commercial and Industrial Motors (ACIM), a business unit of Nidec Corporation.



Over 50 years  
raising the bar of  
refrigeration  
Think ahead

Since 1971 Embraco has been responsible for shaping refrigeration market trends by bringing solutions beyond the compressor for the residential and commercial cold chain. A pioneer in fostering the development of variable speed and the use of natural refrigerants over the years, the brand delivers innovation driven by the Think Ahead positioning, which means focusing on the future's needs to transform the refrigeration segment and make its customers' lives easier. Embraco counts on a broad and competitive portfolio for food service, food retail, merchandisers, and medical applications, including complete, synchronized and integrated solutions, which combines efficiency and data intelligence.



**Home Appliances**  
Products for residential freezers, refrigerators and mini-fridges.



**Commercial Appliances**  
Compressors and cooling solutions for commercial applications, such as bottle coolers, chest freezers, reach-ins, ice machines, medical refrigerators, etc.



**Aftermarket**  
Parts distribution, replacement and retail focused on retail owners, installers and contractors.



# Digital Tools

Discover what our digital tools can do for you



**embraco**  
toolboxapp



Available in all countries and in more than 10 languages, the Embraco Tool Box has 7 functionalities which help refrigeration professionals on their daily routine. **Download the App now for Android and iOS systems.**

## Find inside:

- Cross-reference
- Product catalog
- Distributor locator
- Unit converter
- Refrigerant slider
- Refrigeration club
- Troubleshooting



# PSS

## Product Software Selector

Choose the best solution for your business at Embraco's official portfolio platform. Access: [products.embraco.com](https://products.embraco.com)



**Embraco website in 11 languages**  
[www.embraco.com](https://www.embraco.com)

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# Our Products

## Compressor families and their main applications

### FIXED SPEED COMPRESSOR



**EM**

Bottle coolers, ice cream, freezers, household, replacement, water, coolers and vending machines. Up to 1/2 HP.



**EG**

Household replacement and light commercial applications, horizontal freezers, reach ins, vending machines. Up to 1/3+ HP.



**F**

Light commercial applications, horizontal freezers, reach ins, vending machines. Up to 1/2 HP.



**NE**

Frozen food islands, professional kitchen upright coolers and freezers, display cases, ultra low temperature freezers. 1/2 to 1 HP



**NT**

Professional kitchens upright coolers and freezers, air curtain reach ins, beer dispensers, ice machines, cold room, ultra low temperature freezers. 3/4 to 1 1/2 HP.



**NJ**

Air curtain reach ins, ice machines, cold rooms, blast chillers. 1 to 2 HP

### VARIABLE SPEED COMPRESSOR



**VEM/VEH**

Refrigerators and freezers, wine cooler, beverage coolers, chest freezer, medical cooler. Up to 1 HP.



**FMF**

Refrigerators and freezers, wine cooler, beverage coolers, chest freezer, medical cooler. Up to 1/3+ HP.



**VNE**

Reach Ins, medical and general professional kitchens. 1/2 to 1 HP.

# Condensing Units Line-up

## Evaporative Drain Pan Line-Up



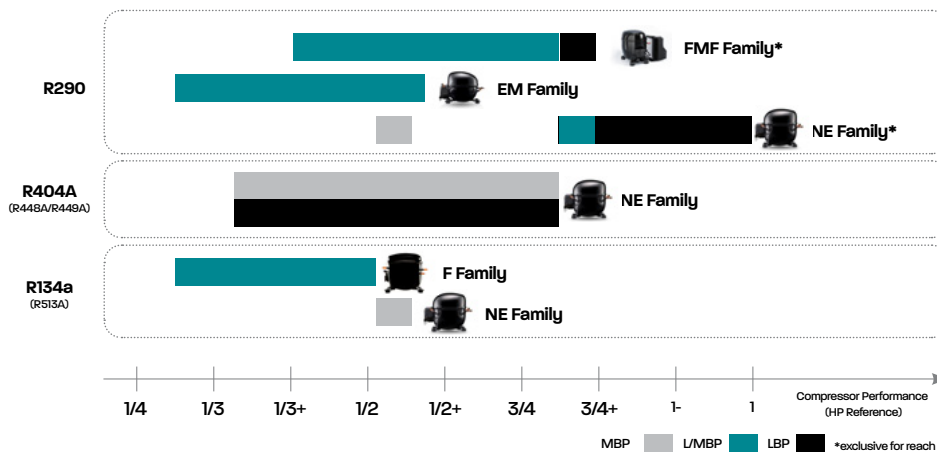
**Inverter Version**  
Options in 115 V and 220 V



**Bare and Compact Version**



**Plus Version**



## Second Generation of Standard CDUs



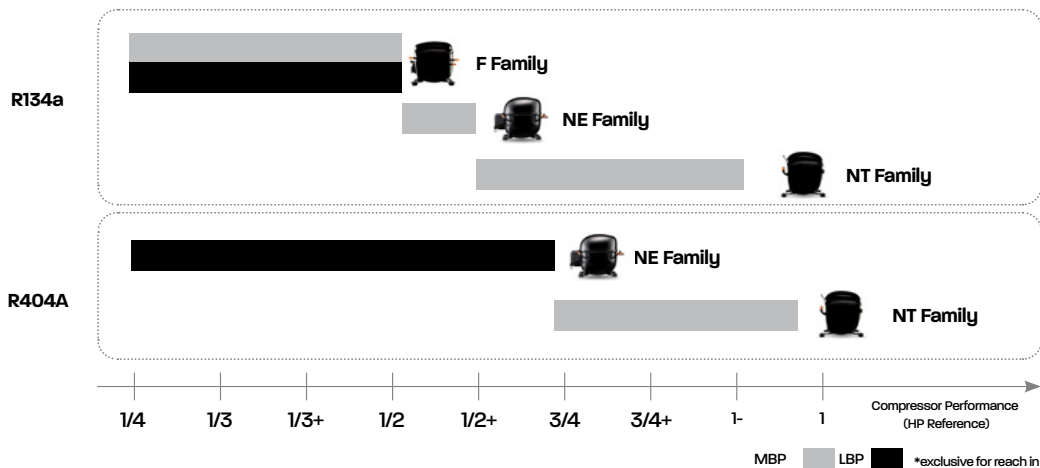
**Bare**



**Plus**



**Ultimate**



# Application Guide

Our products are classified into four main application groups in the light commercial refrigeration: merchandisers, supermarkets, professional kitchens and household refrigeration. Below you will find the portfolio for each application and relevant technical information.

## Merchandisers



## Supermarkets



## Professional Kitchens

## Household Refrigeration

Disclaimer: this chapter indicates the most used compressors for each application, in order to make your product selection process easier and faster. However it does not intend to assure that the specific compressor will fit any application in the same cluster worldwide, because there are several specific approval standards as well as different product designs.

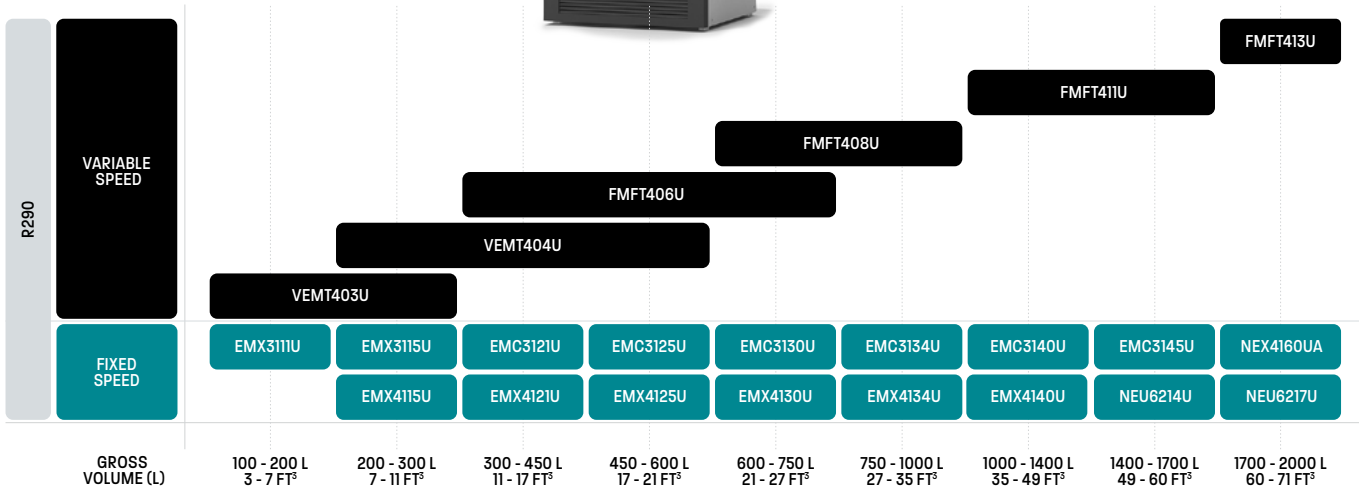


## Beverage Coolers



### Beverage Coolers | 60Hz

Average Bottle Cooler Specification	
Starting Type	LST
Application	MBP
Application	Fan
Door Type	Glass
Indoor Temp.	32° to 46.4°F



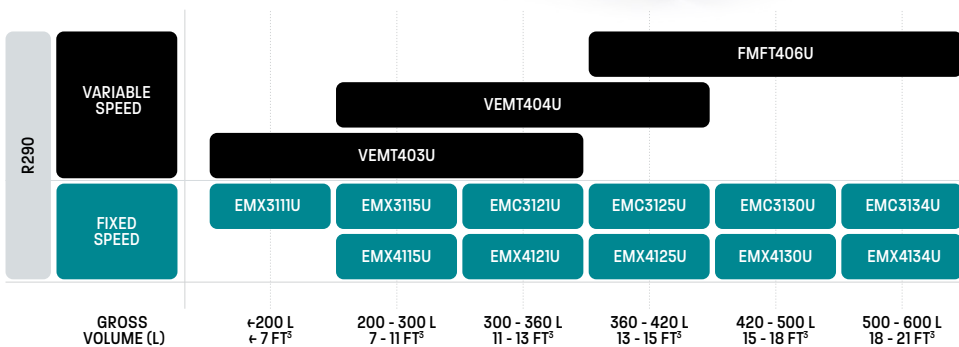
\*Condensing units available. Please consult your Embraco technical support

## Chest Freezer



### Chest Freezer | 60Hz

Average Chest Freezer Specification	
Starting Type	HST
Application	LBP
Door Type	Glass/Solid
Food Temp.	-4°F



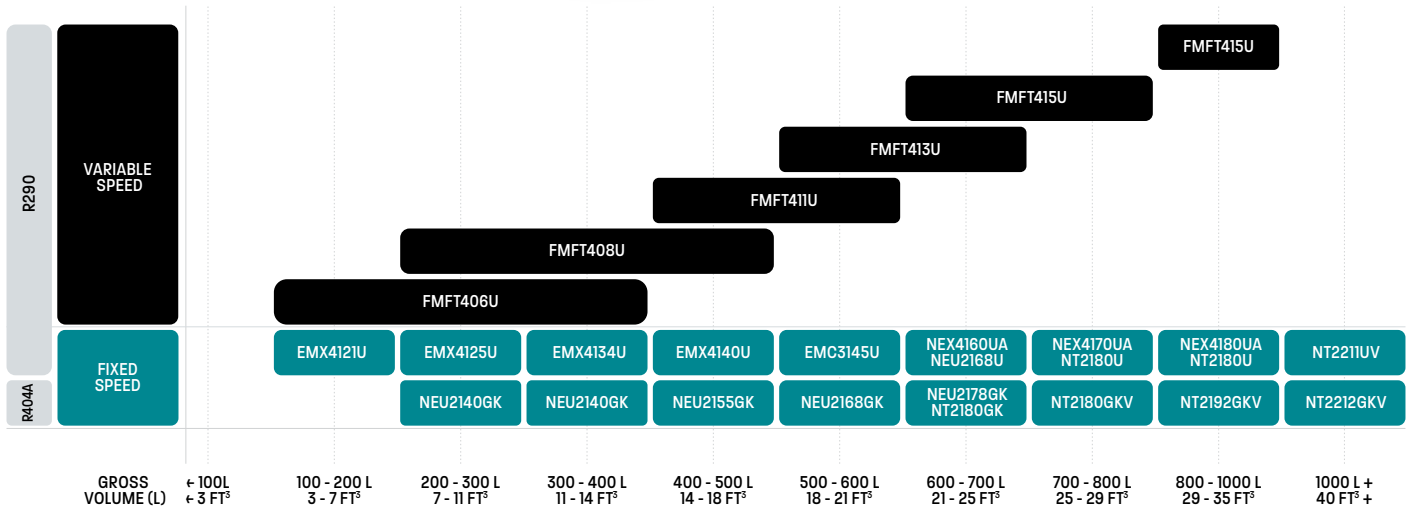
\*Condensing units available. Please consult your Embraco technical support

## Upright Freezer



### Upright Freezer | 60Hz

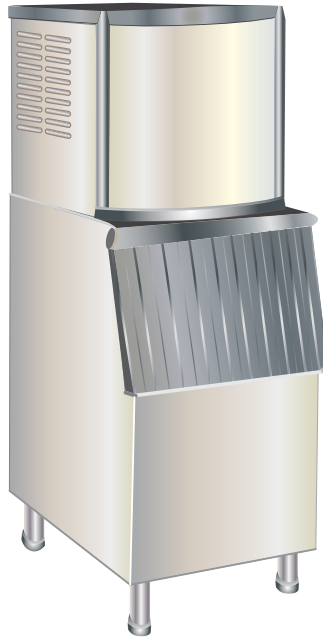
Average Upright Freezers Specification	
Starting Type	HST
Application	LBP
Door Type	Glass/Solid
Indoor Temp.	32° to 46.4°F



\*Condensing units available. Please consult your Embraco technical support

# Food Service

## Ice Maker



### Ice Maker (Cubes) | 60Hz

Refrigerant	Speed	Ice Maker (Cubes)   60Hz																							
		Model	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)												
R404A	FIXED SPEED	EMX4115U	+ 25 KG + 55 LBS	EMX4125U	25 - 40 KG 55 - 90 LBS	EMX4130U	40 - 60 KG 90 - 130 LBS	EMX4134U	60 - 90 KG 130 - 200 LBS	EMX4140U	90 - 120 KG 200 - 260 LBS	NEU6214U	120 - 150 KG 260 - 330 LBS	NEU6214U	150 - 170 KG 330 - 375 LBS	NEX6221UA	170 - 210 KG 375 - 460 LBS	NEX4160UA	210 - 250 KG 460 - 550 LBS	NEX4160UA	250 - 280 KG 550 - 620 LBS	NEX4170UA	280 - 320 KG 620 - 700 LBS	NEX4180UA	
		NEU6181GK		NEU6210GK		NEU6210GK		NEU6214GK		NT6217GKV		NT6220GKV		NT6222GKV		NT6224GKV		NT6226GKV		NT6226GKV		NTU6232GKV			
R290	FIXED SPEED	NTX6225UV	320 - 360 KG 700 - 790 LBS	NTX6233UV	360 - 400 KG 790 - 880 LBS	NTX6238UV	400 - 450 KG 880 - 990 LBS	2X NEX6221UA	450 - 550 KG 992 - 1,200 LBS	2X NEX4180UA	550 - 700 KG 1,200 - 1,540 LBS														
		NTU6234GKV		NTU6240GKV																					

\*Condensing units available. Please consult your Embraco technical support

### Ice Maker (Flaked) | 60Hz

Refrigerant	Speed	Ice Maker (Flaked)   60Hz																						
		Model	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)	Gross Volume (L)											
R404A	FIXED SPEED	EMX4134U	+ 90 KG + 200 LBS	EMX4140U	90 - 120 KG 200 - 260 LBS	NEX4160UA NEU6214U	120 - 150 KG 260 - 330 LBS	NEX4170UA NEU6217U	150 - 170 KG 330 - 375 LBS	NEX6221UA	170 - 210 KG 375 - 460 LBS	NEX4180UA	210 - 250 KG 460 - 550 LBS	NTX6222UV	250 - 280 KG 550 - 620 LBS	NTX6222UV	280 - 320 KG 620 - 700 LBS	NTX6225UV	320 - 360 KG 700 - 790 LBS	NTX6233UV	360 - 400 KG 790 - 880 LBS	NTX6238UV	400 - 450 KG 880 - 990 LBS	
		NEU6210GK		NEU6212GK		NEU6215GK		NT6217GKV		NT6220GKV		NT6222GKV		NT6224GKV		NT6226GKV		NTU6232GKV		NTU6234GKV		NTU6240GKV		
R34a		FFU130HAX		NEU6212Z		NEU6214Z		NT6217Z		NT6220ZV		NTU6222ZV		NTU6222ZV										

\*Condensing units available. Please consult your Embraco technical support

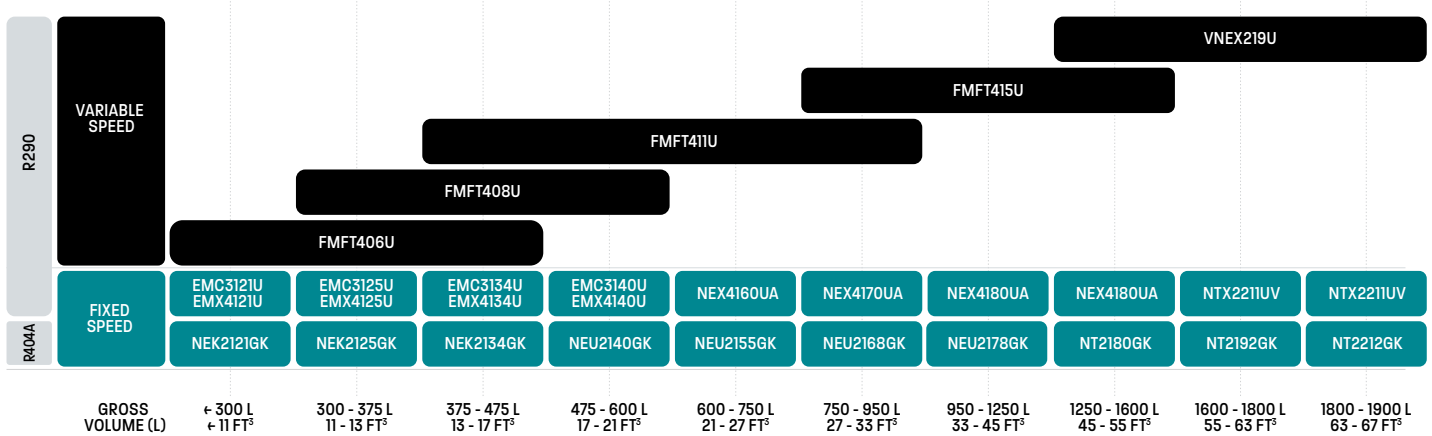
# Food Service

## Professional Kitchen Reach In



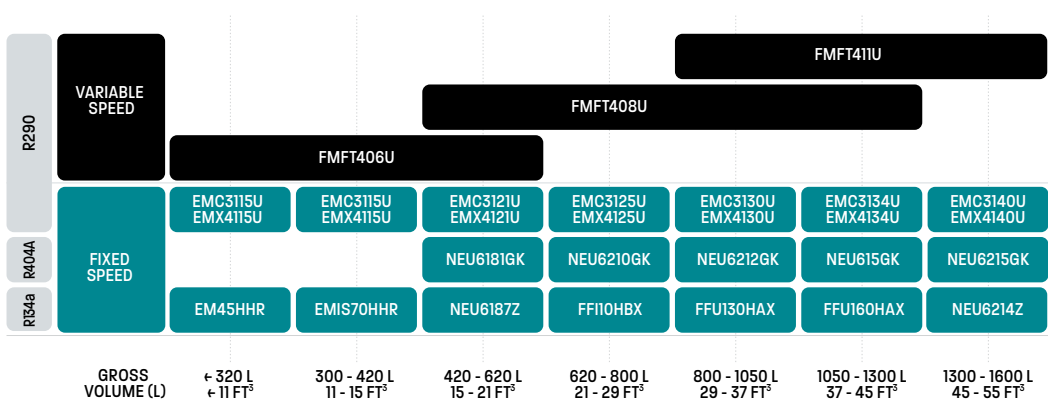
Average Prof. Kitchen Refrigeration Specification		
Evap. Temp.	-22 to 5°F	5 to 23°F
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

### Professional Kitchen Reach In | 60Hz Low Temperature



\*Condensing units available. Please consult your Embraco technical support

### Professional Kitchen Reach In | 60Hz Medium Temperature



Average Prof. Kitchen Refrigeration Specification		
Evap. Temp.	-22 to 5°F	5 to 23°F
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

\*Condensing units available. Please consult your Embraco technical support

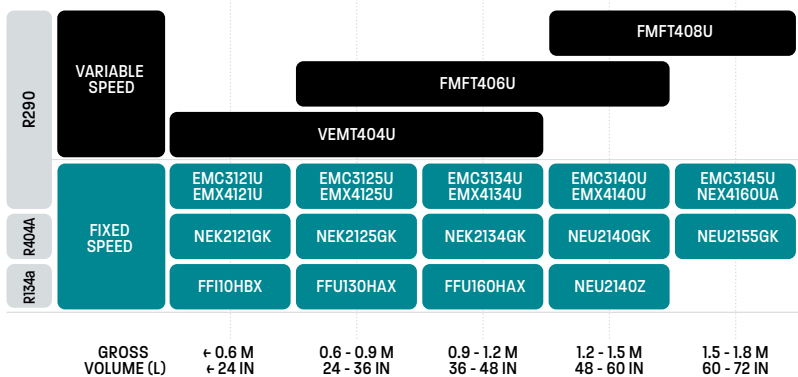


# Food Service

## Professional Kitchen Undercounter



### Professional Kitchen Undercounter | 60Hz Low Temperature

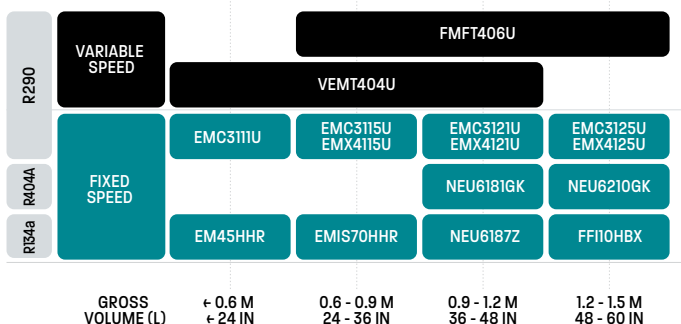


\*Condensing units available. Please consult your Embraco technical support

#### Average Prof. Kitchen Undercounter Specification

Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

### Professional Kitchen Undercounter | 60Hz Medium Temperature

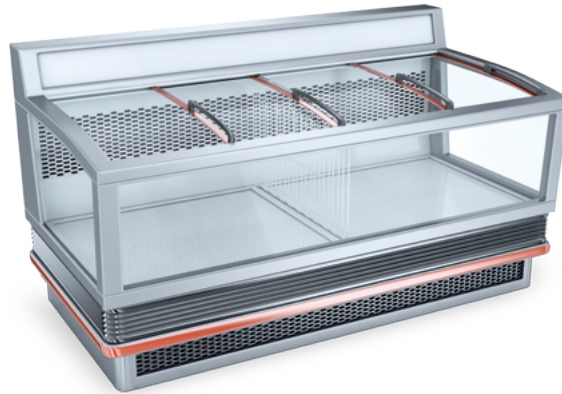


\*Condensing units available. Please consult your Embraco technical support

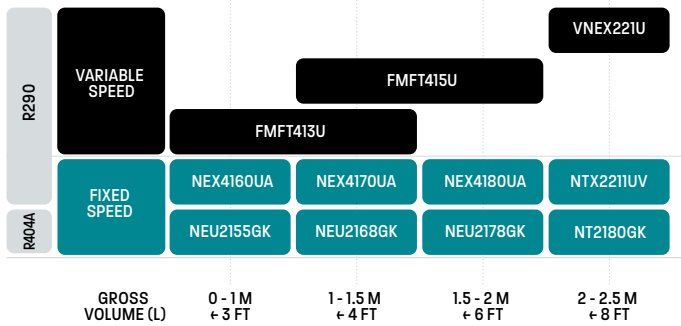
#### Average Prof. Kitchen Undercounter Specification

Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

## Frozen Food Island



### Frozen Food Island | 60Hz

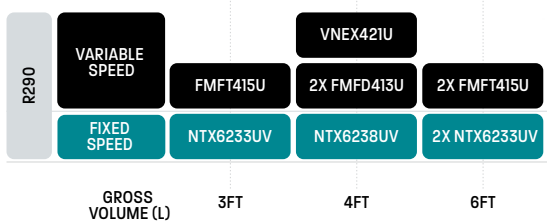


Average Frozen Food Island Specification		
Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

\*Condensing units available. Please consult your Embraco technical support

## Grab N'Go

### Food Retail Grab N' Go | 60 Hz Medium Temperature



Average Food Retail Grab N'go Specification		
Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

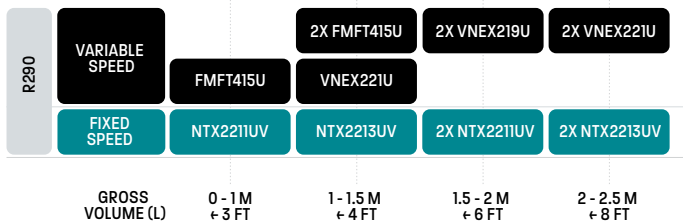
\*Condensing units available. Please consult your Embraco technical support

# Food Retail

## Reach In with Doors



### Food Retail Reach in with Doors | 60 Hz Low Temperature

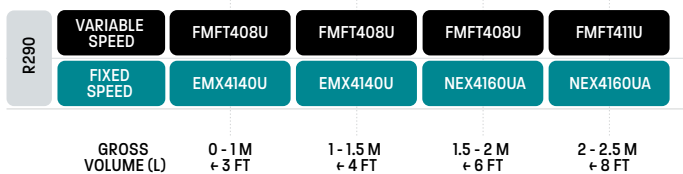


\*Condensing units available. Please consult your Embraco technical support

#### Average Food Retail Reach In Specification

Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

### Food Retail Reach in with Doors | 60 Hz Medium Temperature



\*Condensing units available. Please consult your Embraco technical support

#### Average Food Retail Reach In Specification

Evap. Temp.	-30 to -15°C	-15 to -5°C
Applic.	LBP	MBP
Starting Type	LST	LST
Cooling Type	Fan	Fan
Door Type	Solid	Solid

General

# Technical Information

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## Applications

		Evaporation Temperature °C / °F	Applications
LBP	Low Back Pressure	Between -40/ -40 and -10 / 14	Household refrigerators, frozen food islands, ice cream freezers
MPB	Medium Back Pressure	Between -15 / 5 and 0 / 32	Displays cases, reach in coolers, bottle coolers
HBP	High Back Pressure	Between 5/ 41 and 15 / 59	Refrigerated wine houses, Water coolers, air dehumidifiers

## Test Conditions

Test Conditions	Applications	Evaporation Temperature °C / °F	Condensing Temperature °C / °F	Gas Return Temperature °C / °F	Subcooling K	Ambient Temperature °C / °F
ASHRAE	LBP	-23.3 / 10	54.4 / 130	32.2 / 90	22.2	32.2 / 90
	M/HBP	7.2 / 45	54.4 / 130	35 / 95	8.3	35 / 95
ARI	LBP	-23.3 / -9.94	48.9 / 120.02	4.4 / 39.92	0	35 / 95
	MBP	-6.7 / 19.94	48.9 / 120.02	4.4 / 39.92	0	35 / 95
	HBP	7.2 / 44.96	54.4 / 129.92	18.3 / 64.94	8.3	35 / 95
EN12900	LBP	-35 / -31	40 / 104	20 / 68	40 / 104	35 / 95
	MBP	-10 / 14	45 / 113	20 / 68	45 / 113	35 / 95
	HBP	5 / 41	50 / 122	20 / 68	5 / 41	5 / 41

## Cooling Type

Static	Compressor approved for static cooling not requiring a fan motor on the condenser side.
Fan	Compressor approved for fan cooling requiring forced cooling with a fan motor on the condenser side.
Static/Fan (S/F)	Compressor approved for static and fan cooling which may or may not apply a fan motor on the condenser side.

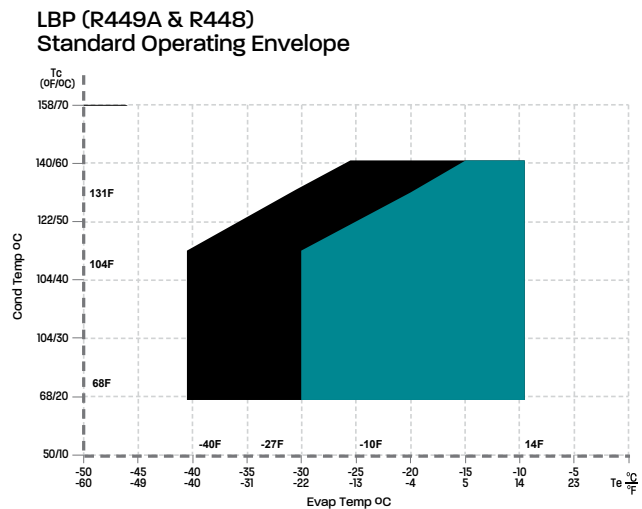
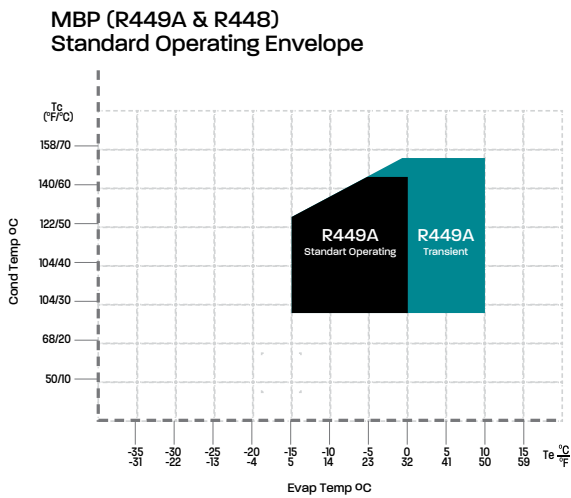
## Motor Torque

LST	<p><b>LOW STARTING TORQUE</b></p> <p>Compressor with RSIR-RSCR-PSC electrical motor for systems with capillary tube and with equalized pressures at start up.</p>
HST	<p><b>HIGH STARTING TORQUE</b></p> <p>Compressor with CSIR-CSR and 3 phase electrical motor for systems with equalized or not equalized pressures at start up</p>

## Blends Approved By Embraco Replacing R12

Refrigerants	
ASHRAE	Commercial Name
R-401a	SUVA® MP39
R-401b	SUVA® MP66
R-409b	FORANE® FX56
R-413a	ISCEON 49

Embraco already approved R452A for NEU, NT, NJ compressor series as an alternative refrigerant for both LBP (low back pressure) and MBP (medium back pressure) applications maintaining the original R404A operating envelope. Embraco approves R449A and R448A as an alternative refrigerant for Embraco R404A compressor series NEU, NT, NJ application with limited operating envelope as below.



■ original LBP R404A envelope, RGT 20°C  
■ restricted LBP R448A/R449A envelope, Superheating 10K

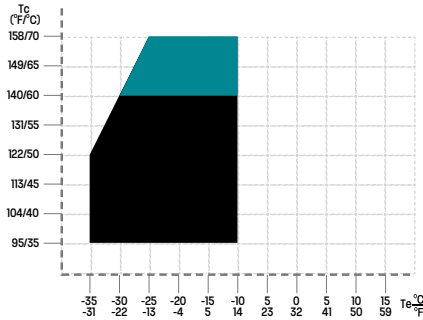
Embraco approves R450A as well as R513A as an alternative refrigerants for NE/NT/NJ Embraco R134a compressor series and authorize its use, both in LBP and HBP applications, maintaining the same operating envelope of R134a refrigerant and other Embraco application guidelines as for example the system charge limitations defined for each Embraco compressor family. For Embraco Brazil models that are approved, please check the list in our [website](#).

Units Conversion table			
	BTU	W	kcal/h
1 BTU	-	0,293	0,252
1 W	3,412	-	0,86
1 kcal/h	3,966	1,162	-

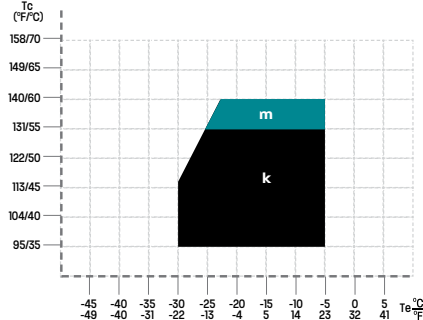
# Operation Envelope Per Family

## LBP

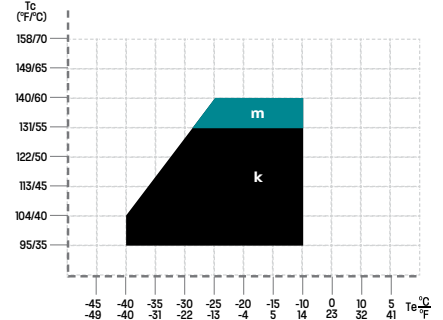
VES, EM, VEM, EG, VEG, F, FMF  
R290 - R134a - R600a



EMC, EMX, NE, VNE, NJ, NT  
R134a - R600a

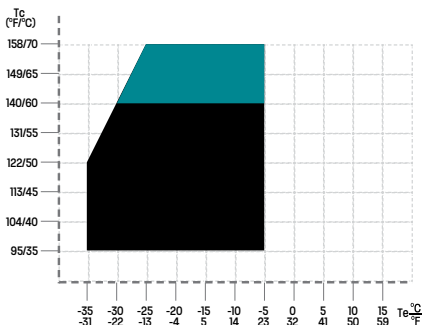


EMC, EMX, NE, VNE, NJ, NT  
R404A/R507/R452A - R290

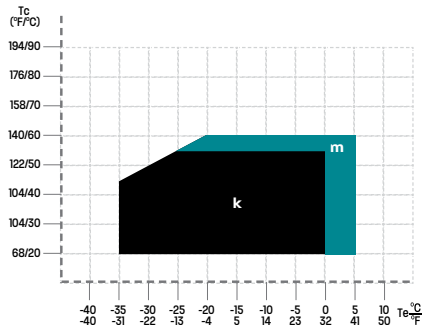


## L-MPB

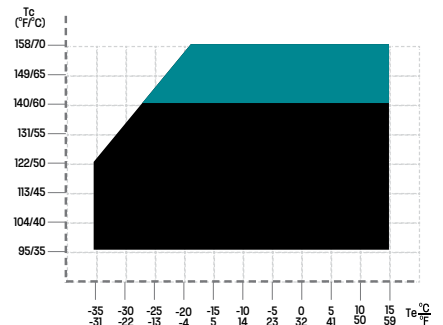
VES, EM, VEM, EG, VEG, F, FMF  
R290 - R134a



EMC, EMX, NE, VNE, NJ, NT  
R290

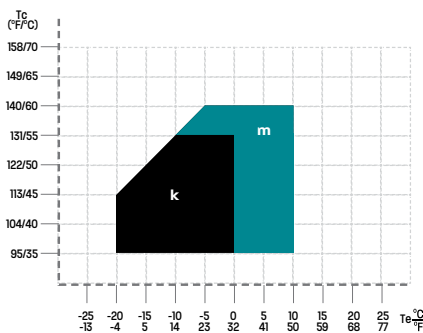


VES, EM, VEM, EG, VEG, F, FMF  
R134a

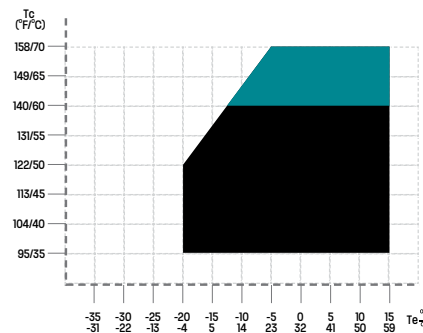


## M-HBP

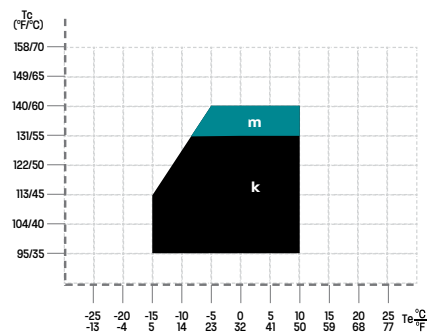
EMC, EMX, NE, VN, NJ, NT  
R404A/R507/R452A - R290



VES, EM, VEM, EG, VEG, F, FMF  
R134a

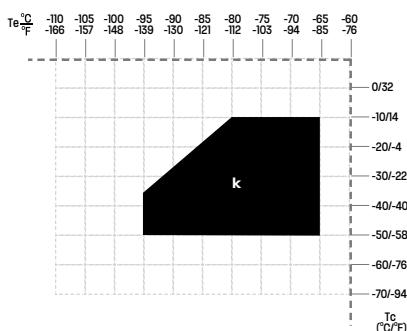


EMC, EMX, NE, VNE, NJ, NT  
R134a - R600a



## Ultra Low Temperature

EMC, EMX, NE, VNE, NJ, NT  
R508B/R170 - second stage of cascade



- Operation Condition
- Transient Condition

- Tc Condensing Temperature
- k Ambient 32°C / 89.6°F and return gas 20°C / 68°F
- Te Evaporating Temperature
- m Ambient 32°C / 89.6°F and return gas 20°C / 68°F (for transitory period)

**NOTE:** usage of compressors outside the intended working range cannot make use of the warranty, or should be consulted with Technical support.

Technical Information

# Reciprocating Compressors



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# EM Family

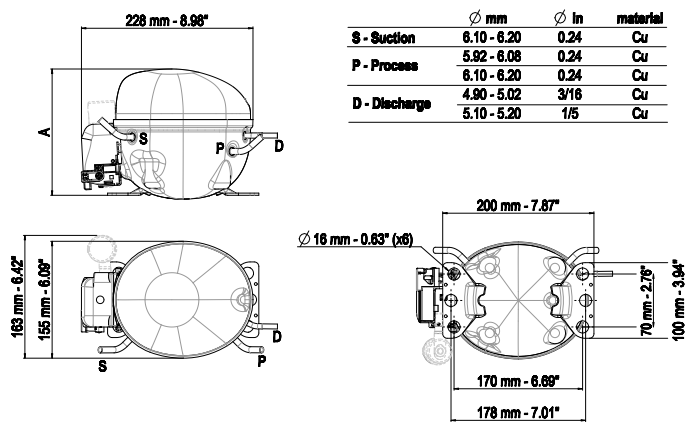


EM

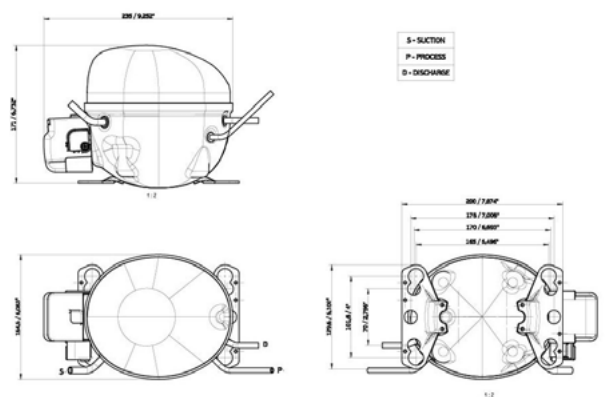
REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R134a, R290, R600a, R404A	1/12 - 1/2	LBP MBP HBP	115V-60Hz 220V-50Hz 220V-60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.1 - 0.7 in <sup>3</sup> 1.7 - 12.1 cm <sup>3</sup>		14.2 - 18.9 lb 6.4 - 8.6 kg

## External Views

DWG 1  
EM / VEM Series Universal Base Plate



DWG 2  
EM Series European Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board down	Upside-down
EM				This position is approved only for compressors for R-134a, R290 and R600a 		

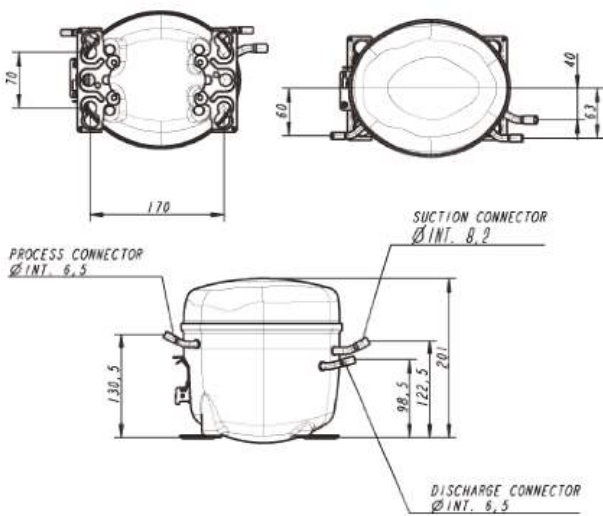
# EG Family



REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-600a	1/5 - 1/3+	LBP MBP	115V-60Hz 220V-50Hz 220V-60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.3 - 0.9 in <sup>3</sup> 5.0 - 14.8 cm <sup>3</sup>		9.6 - 11.6 kg 21.2 - 25.7 lb

## External Views

DWG 4  
EG / F / VEG Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board dpwn	Upside-down
EG						

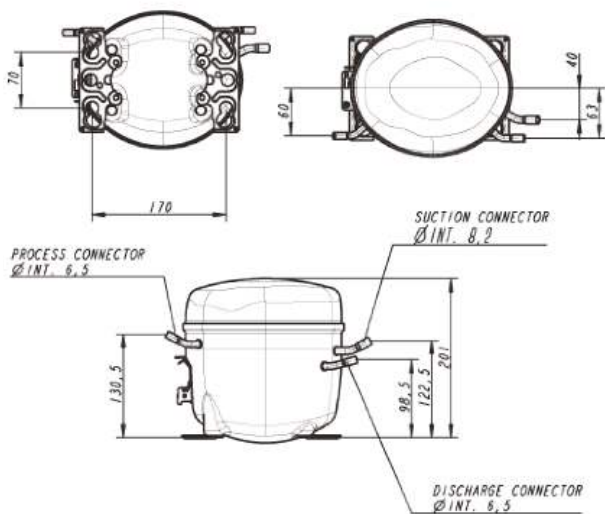
# F Family



REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-600a	1/6 - 1 1/4	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.3 - 0.8 in <sup>3</sup> 5.6 - 12.9 cm <sup>3</sup>		20.8 - 25.7 lb 9.4 - 11.6 kg

## External Views

DWG 4  
EG / F / VEG Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board dpwn	Upside-down
F						

# NE Family

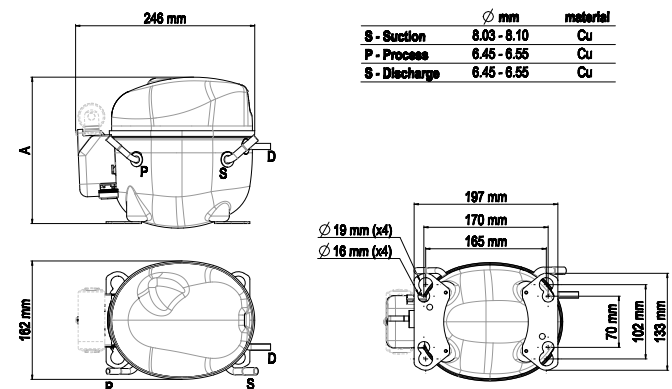
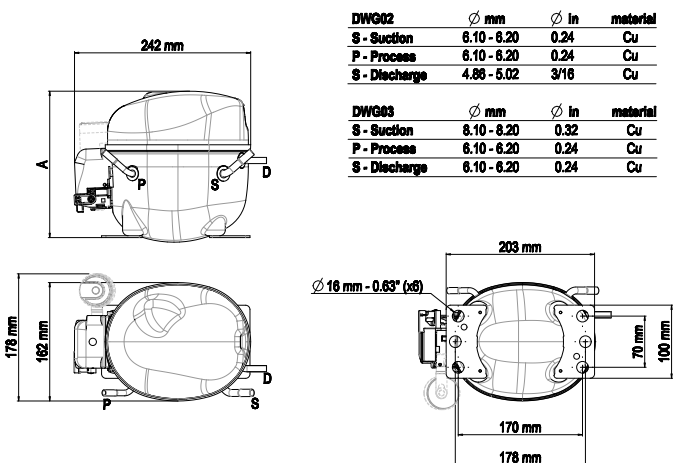


REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-404a R-600a	1/6 - 1	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.3 - 1.3 in <sup>3</sup> 4.5 - 21.0 cm <sup>3</sup>		4.4 - 26.2 lb 9.8 - 11.9 kg

## External Views

DWG 5  
NE Series Universal Base Plate

DWG 6 / DWG 22  
NE / VNE Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board down	Upside-down
NE						



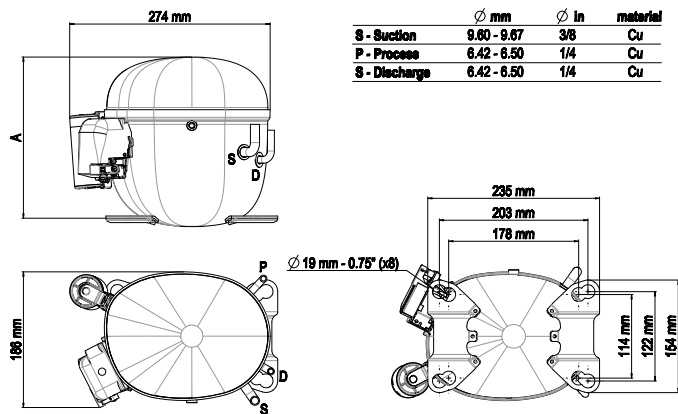
# NT Family



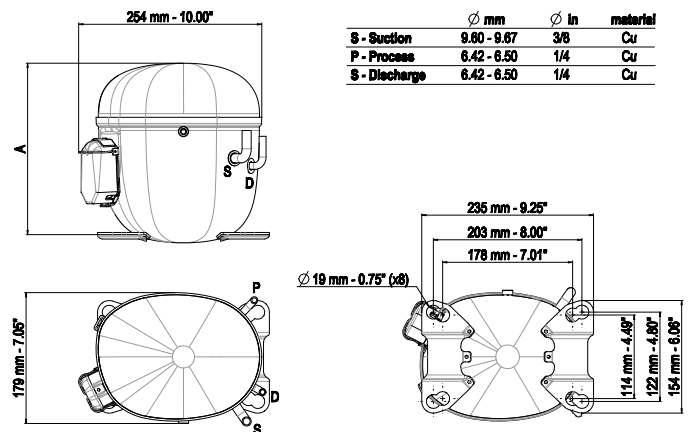
REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-404a R-600a	1/3 - 1 1/2	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.8 - 2.0 in <sup>3</sup> 12.5 - 33.4 cm <sup>3</sup>		33.29 - 40.79 lb 15.1 - 18.5 kg

## External Views

DWG 7  
NT Series Universal Base Plate



DWG 8 / DWG 16 / DWG 19  
NTU Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board down	Upside-down
NJ						

# NJ Family

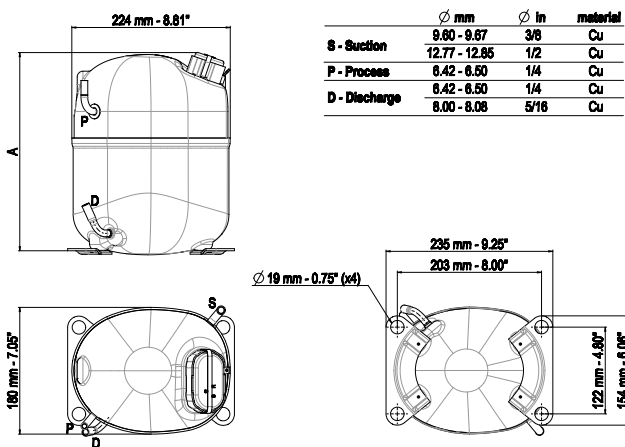


NJ

REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-404a R-600a	3/4 - 1 1/2	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	1.3 - 2.3 in <sup>3</sup> 21.7 - 37.9 cm <sup>3</sup>		41.9 - 52.5 lb 19.0 - 23.8 kg

## External Views

DWG 9 / DWG 18  
NJ Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board down	Upside-down
NJ						

# VEM Family

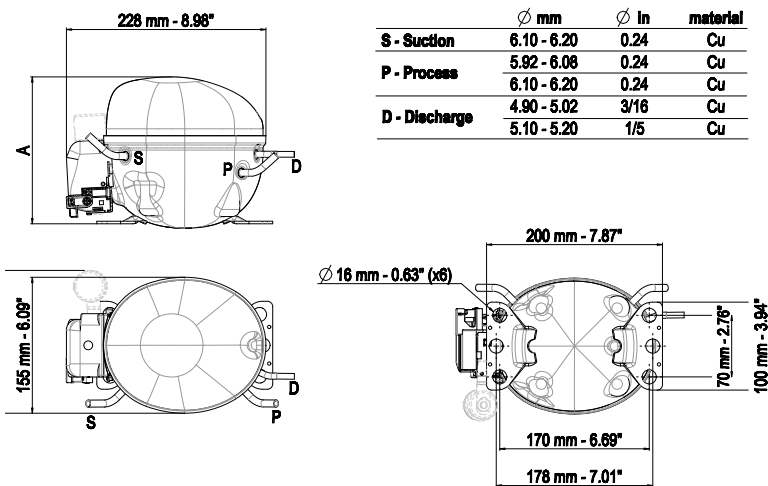


VEM

REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-600a	1/10 - 1/3+	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
LST HST	0.2 - 0.7 in <sup>3</sup> 3.0 - 11.1 cm <sup>3</sup>		14.3 - 19.0 lb 6.5 - 8.6 kg

## External Views

DWG 1  
EM / VEM Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board down	Upside-down
VEM				 This position is approved only for compressors for R-134a, R290 and R600a		

# FMF Family



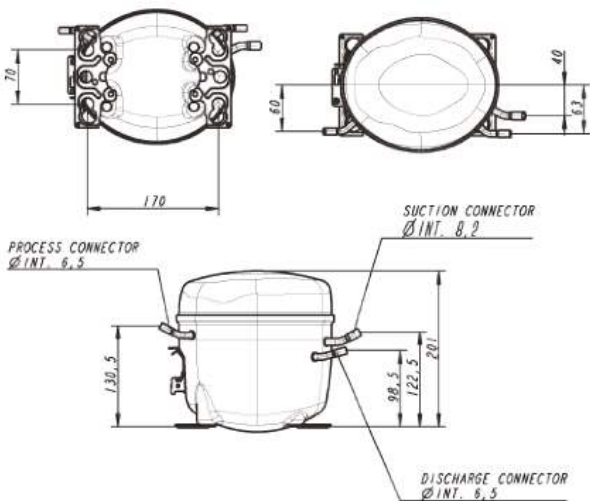
FMF

REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290	3/4 - 1 1/4	LBP MBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz

TORQUE	DISPLACEMENT	WEIGHT
LST HST	0.4 - 0.9 in <sup>3</sup> 6.4 - 14.8 cm <sup>3</sup>	22.7 - 24.0 lb 10.3 - 10.9 kg

## External Views

DWG 4  
FMF Series Universal Base Plate



## PRODUCT HANDLING

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board dpwn	Upside-down
FMF						

# VNE Family

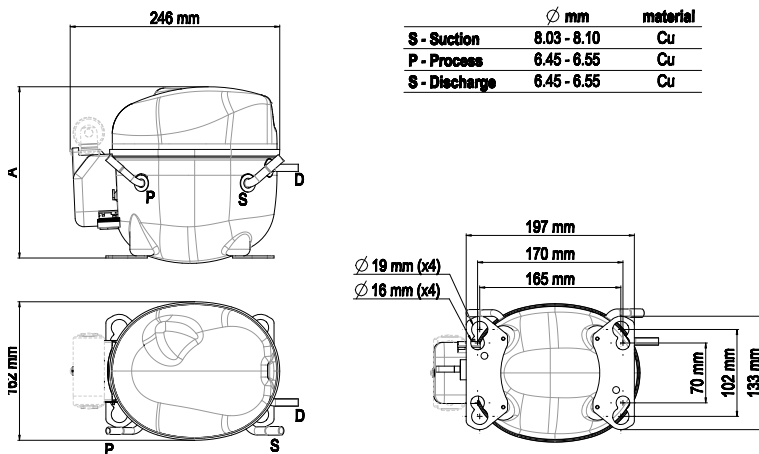


VNE

REFRIGERANTS	HP	APPLICATION	VOLTAGE/ FREQUENCY
R-134a R-290 R-404a	1/6 - 1/2	LBP MBP HBP	115-127V 60Hz 220-240V 50Hz 208-230V 60Hz
TORQUE	DISPLACEMENT		WEIGHT
HST	0.4 - 1.0 in <sup>3</sup> 6.2 - 16.8 cm <sup>3</sup>		24.9 - 25.6 lb 11.3 - 11.6 kg

## External Views

DWG 6  
NE / VNE Series Universal Base Plate



## Product Handling

Series	Position					
	Normal (upright)	Label up	Terminal board up	Label down	Terminal board dpwn	Upside-down
VNE						

## Characteristics Of Multiple Wooden Packaging

Compressor	Quantity Per Pallet (Assembled Electricals)*	Quantity Per Container (Assembled Electricals)*	Quantity Per Container (Unassembled Electricals)*	Quantity Per Pallet (Unassembled Electricals)*
EM	100	2500	2800	120
EG/F	72	1920	2016	80
NE	72	1800	1800	80
NT**	36	1232	1512	44
NJ**	33	1512	1386	36
VEM/VEH	100	2200	2500	100
VNE	72	1800	1800	100

\*The data presented in this table is nominal and might be impacted by fill rate  
 \*\*Consult the limit of weight for these models

## Identification Label

**NE / NT / NJ**

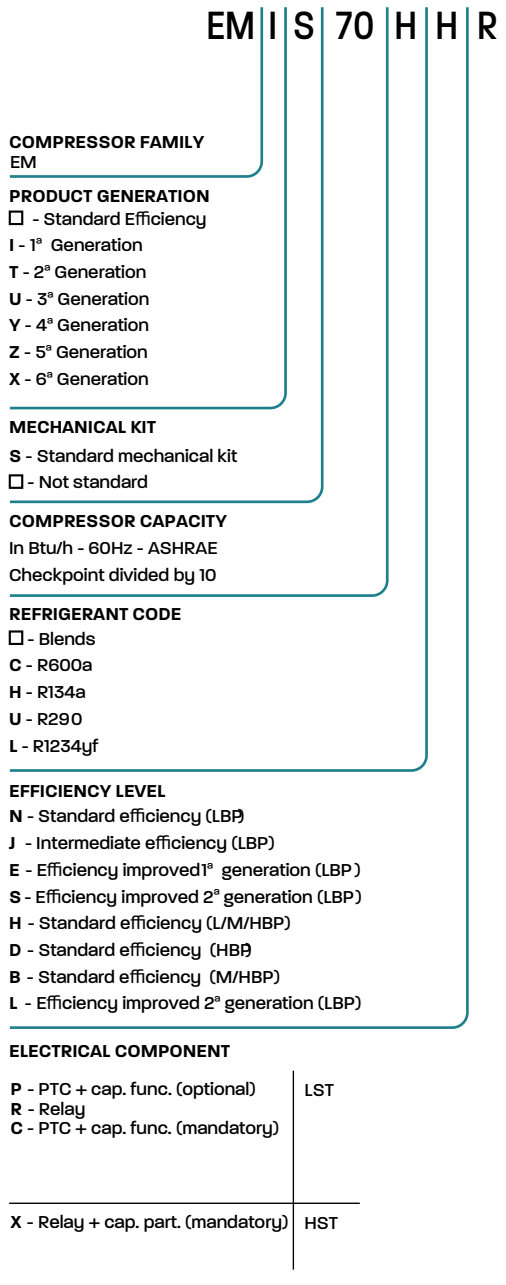
**EM / EG / F / VEM / VEH / VEG / VNE**

**SUBTITLE**

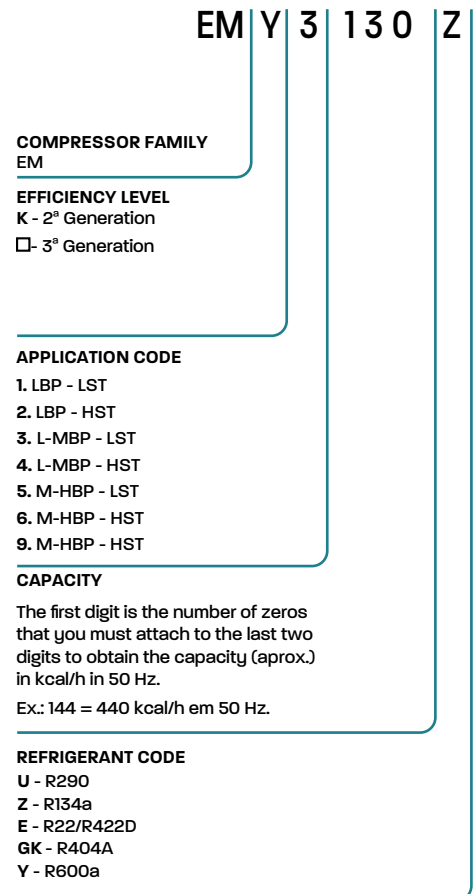
<p><b>1</b> Compressor model</p> <p><b>2</b> Voltage</p> <p><b>3</b> SKU code (BOM)</p> <p><b>4</b> Series number</p> <p><b>5</b> Institute approval</p>	<p><b>6</b> Production Date</p> <p><b>7</b> Oil Type and Quantity</p> <p><b>8</b> Refrigerant Code</p> <p><b>9</b> Annual Consumption (nominal current, when applicable)</p> <p><b>10</b> Locked Rotor current (LRA, when applicable)</p>
--	---

## Nomenclature

### EM FIRST GENERATION



### EM SECOND & THIRD GENERATION



## F/EG

F F U S 130 H A X

**COMPRESSOR FAMILY**  
F/EG

**ELECTRICAL SYSTEM**

F -  
Relay/Overload protector  
Start capacitor (optional)

**PRODUCT GENERATION**

□ - Standard efficiency  
I - Improved efficiency  
1st generation  
U - Improved efficiency  
2nd generation (for  
commercial refrigeration)

**STANDARD PLATFORM**

**COMPRESSOR CAPACITY**

Approximate capacity in Btu/h – 60 Hz  
ASHRAE - Checkpoint divided by 10  
(for compressor FG, FFU and FFC)

**REFRIGERANT CODE**

H - R134a  
U - R290  
L - R1234yf

**APPLICATION**

A - L/MBP  
B - L/M/HBP

**STARTING TORQUE**

K - LST (Low starting torque)  
X - HST (High starting torque)

## NE / NT / NJ

NTU6224ZV

**COMPRESSOR FAMILY**  
NE / NT / NJ

**PRODUCT GENERATION**

□ - 1<sup>st</sup> Generation  
K - 2<sup>nd</sup> Generation  
U - 3<sup>rd</sup> Generation  
X - 4<sup>th</sup> Generation

**APPLICATION CODE**

1. LBP - LST
2. LBP - HST
3. L-MBP - LST
4. L-MBP - HST
5. M-HBP - LST
6. M-HBP - HST
9. M-HBP - HST

**CAPACITY**

The first digit is the number of zeros  
that you must attach to the last two  
digits to obtain the capacity (aprox.)  
in kcal/h in 50 Hz.

Ex.: 144 = 440 kcal/h em 50 Hz.

**REFRIGERANT CODE**

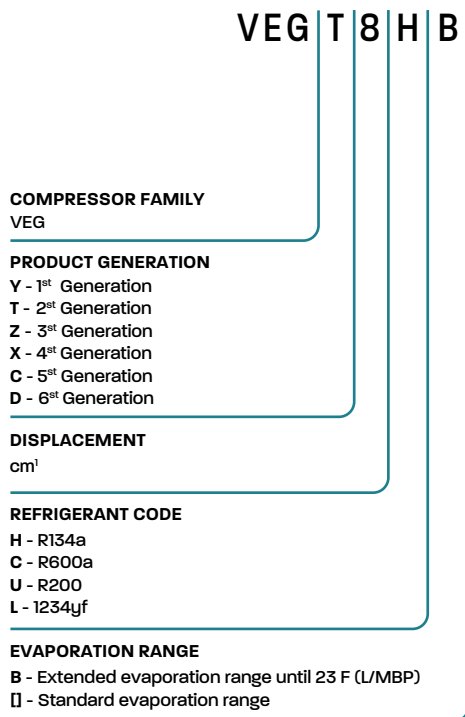
U - R290  
Z - R134a  
E - R22/R422D  
GK - R404A  
Y - R600a

**IPR VALVE**

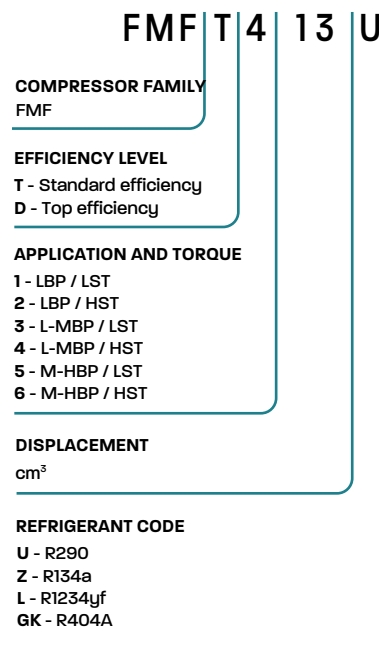
Available for some models



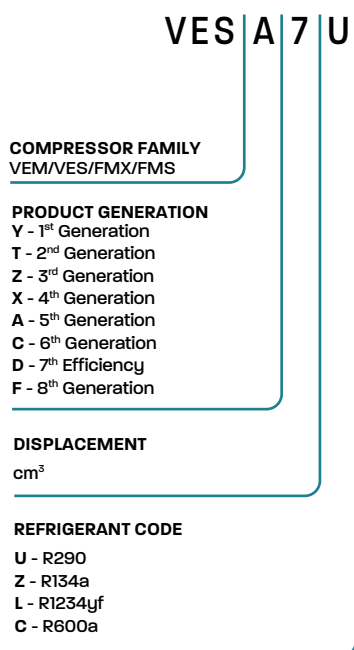
### VARIABLE SPEED LINE



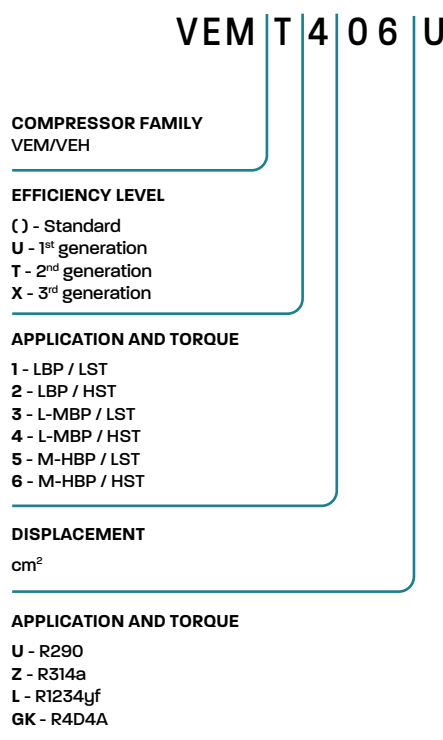
### VARIABLE SPEED LINE



### VARIABLE SPEED LINE



### VARIABLE SPEED LINE



General Data &  
Performance Reciprocating

# Compressors Fixed Speed 60Hz

think ahead

embraco  
*Nidec*





## R290 | L/MBP - MBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EMX311U	0,18	1/5	115-127 V 60 Hz	L/MBP	LST	RSIR	10,90	Capillary Tube	5,07	ESTER	ISO10	6,80	Fan	ARI LBP
EMX311U	0,18	1/5	115-127 V 60 Hz	L/MBP	LST	RSIR	10,90	Capillary Tube	5,07	ESTER	ISO10	6,80	Fan	ARI MBP
EM2U311U	0,18	1/6	115-127 V 60 Hz	L/MBP	LST	RSCR	6,25	Capillary Tube	5,07	ESTER	ISO22	16,62	Static / Fan	ARI LBP
EM2U311U	0,18	1/6	115-127 V 60 Hz	L/MBP	LST	RSCR	6,25	Capillary Tube	5,07	ESTER	ISO22	16,62	Static / Fan	ARI MBP
EM2U3115U	0,24	1/5	115-127 V 60 Hz	L/MBP	LST	RSCR	10,7	Capillary Tube	5,07	ESTER	ISO22	17,39	Static / Fan	ARI LBP
EM2U3115U	0,24	1/5	115-127 V 60 Hz	L/MBP	LST	RSCR	10,7	Capillary Tube	5,07	ESTER	ISO22	17,39	Static / Fan	ARI MBP
EMX3115U	0,24	1/5	115-127 V 60 Hz	L/MBP	LST	CSR	11,45	Capillary Tube / Expansion Valve	5,07	ESTER	ISO10	14,99	Static / Fan	ARI LBP
EMX4115U	0,24	1/5	115-127 V 60 Hz	L/MBP	HST	CSIR	17,09	Capillary Tube / Expansion Valve	5,07	ESTER	ISO10	8,50	Fan	ARI LBP
EMX6144U	0,28	1/5	115-127 V 60 Hz	MBP	HST	CSIR	9,00	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,65	Fan	ARI MBP
EMX4121U	0,32	1/4	115-127 V 60 Hz	L/MBP	HST	CSIR	21,36	Capillary Tube / Expansion Valve	5,07	ESTER	ISO10	8,50	Fan	ARI LBP
EMX6152U	0,32	1/4	115-127 V 60 Hz	MBP	HST	CSIR	11,00	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,65	Fan	ARI MBP
EMC3121U	0,32	1/4	115-127 V 60 Hz	L/MBP	LST	CSR	14,9	Capillary Tube	5,07	ESTER	ISO10	14,99	Static/Fan	ARI LBP
EMC3121U	0,32	1/4	115-127 V 60 Hz	L/MBP	LST	CSR	14,9	Capillary Tube	5,07	ESTER	ISO10	14,99	Static/Fan	ARI MBP
EMX4125U	0,36	1/3	115-127 V 60 Hz	L/MBP	HST	CSIR	21,36	Capillary Tube / Expansion Valve	5,07	ESTER	ISO10	8,50	Fan	ARI LBP
EMC3125U	0,36	1/4	115-127 V 60 Hz	L/MBP	LST	CSR	18,4	Capillary Tube	5,07	ESTER	ISO10	14,99	Static/Fan	ARI LBP
EMX6165U	0,37	1/4	115-127 V 60 Hz	MBP	HST	CSIR	11,00	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,65	Fan	ARI MBP
FFU130UAX	0,41	1/3+	115-127 V 60 Hz	L/MBP	HST	CSIR	39	Capillary Tube / Expansion Valve	9,46	ALQUILB	ISO32	22,05	Fan	ARI LBP
EMC3130U	0,42	1/3	115-127 V 60 Hz	L/MBP	LST	CSR	20,9	Capillary Tube	5,07	ESTER	ISO10	14,99	Fan	ARI LBP
EMC3130U	0,42	1/3	115-127 V 60 Hz	L/MBP	LST	CSR	20,9	Capillary Tube	5,07	ESTER	ISO10	14,99	Fan	ARI MBP
EMX4130U	0,42	1/3	115-127 V 60 Hz	L/MBP	LST	CSIR	26,42	Capillary Tube	5,07	ESTER	ISO10	8,50	Fan	ARI LBP
EMX6181U	0,42	1/3	115-127 V 60 Hz	MBP	HST	CSIR	13,00	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,45	Fan	ARI MBP
EMC3134U	0,49	1/3	115-127 V 60 Hz	L/MBP	LST	RSCR	22,40	Capillary Tube	5,07	ESTER	ISO22	7,80	Fan	ARI LBP
EMC3134U	0,49	1/3	115-127 V 60 Hz	L/MBP	LST	RSCR	22,40	Capillary Tube	5,07	ESTER	ISO22	7,80	Fan	ARI MBP
EMX4134U	0,49	1/3	115-127 V 60 Hz	L/MBP	HST	CSIR	-	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,80	Fan	ARI LBP
FFU160UAX	0,49	1/2	115-127 V 60 Hz	L/MBP	HST	CSIR	41,5	Capillary Tube / Expansion Valve	9,46	ALQUILB	ISO32	22,05	Fan	ARI LBP
EMC3140U	0,58	1/2+	115-127 V 60 Hz	L/MBP	LST	RSCR	26,50	Capillary Tube	5,07	ESTER	ISO22	7,80	Fan	ARI LBP
EMC3140U	0,58	1/2+	115-127 V 60 Hz	L/MBP	LST	RSCR	26,50	Capillary Tube	5,07	ESTER	ISO22	7,80	Fan	ARI MBP
EMX4140U	0,58	1/2+	115-127 V 60 Hz	L/MBP	HST	CSIR	-	Capillary Tube / Expansion Valve	5,07	ESTER	ISO22	7,80	Fan	ARI LBP
NEU2140U	0,61	1/2	115-127 V 60 Hz	LBP	HST	CSIR	30	Capillary Tube / Expansion Valve	11,84	ESTER	ISO22	22,05	Fan	ARI LBP
EMC3145U	0,68	1	115-127 V 60 Hz	L/MBP	LST	RSCR	31,50	Capillary Tube	6,76	ESTER	ISO22	8,20	Fan	ARI LBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS																				DRAWINGS					
	ARI LBP RATED POINT -25 OF / CONDENSING TEMPERATURE 105OF																				ARI MBP - RATED POINT 20 OF / CONDENSING TEMPERATURE 110 OF			HEIGHT	EXTER-NAL VIEW	WIRING DIA-GRAM
					CAP.	ENERGY CON.	CURRENT	EFFICIENCY													CAP.	ENERGY CON.	CURRENT			
	-40	-31	-22	-13	BTU/H	W	A	BTU/WH	-4	5	14	23	32	41	BTU/H	W	A	BTU/WH	50	IN.	REF.	REF.				
EMX3111U	-	340	421	547	389	94	0,86	4,13	645	814	2014	1199	-	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX3111U	-	321	410	519	-	-	-	-	648	798	973	1174	1399	-	1103	123	0,86	8,98	-	6,83	DWG01	SM28				
EM2U3111U	-	331	420	526	387	82	0,48	4,71	659	812	993	1021	1437	-	-	-	-	-	-	6,83	DWG01	SM28				
EM2U3111U	-	324	410	519	-	-	-	-	648	798	976	1177	1406	-	1107	126	0,48	8,82	-	6,83	DWG01	SM28				
EM2U3115U	-	450	563	703	522	113	1,37	4,62	874	1075	1310	1583	1890	-	-	-	-	-	-	6,83	DWG01	SM28				
EM2U3115U	-	440	553	693	-	-	-	-	860	1058	1286	1553	1853	-	1459	179	1,37	8,15	-	6,83	DWG01	SM28				
EMX3115U	-	417	540	614	489	97	1,17	5,02	851	1084	1355	1568	-	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX4115U	-	428	547	706	500	109	1,6	4,59	862	1093	1363	1580	-	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX6144U	-	-	-	-	-	-	-	-	973	1181	1433	1730	2081	-	1627	211	1,2	7,71	-	6,83	DWG01	SM28				
EMX4121U	-	553	727	932	665	134	2,2	4,94	1170	1443	1754	2102	2494	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX6152U	-	-	-	-	-	-	-	-	1007	1249	1532	1870	2259	-	1751	232	1,64	7,56	-	6,83	DWG01	SM28				
EMC3121U	-	549	723	928	662	128	1,54	5,19	1167	1443	1754	2105	2494	-	-	-	-	-	-	6,83	DWG01	SM28				
EMC3121U	-	532	703	904	-	-	-	-	1143	1413	1720	2064	2447	-	1944	213	1,54	9,14	-	6,83	DWG01	SM28				
EMX4125U	-	628	843	1089	767	157	2,4	4,89	1365	1679	2023	2402	2815	-	-	-	-	-	-	6,83	DWG01	SM28				
EMC3125U	-	638	846	1089	774	151	1,89	5,12	1365	1679	2023	2406	2822	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX6165U	-	-	-	-	-	-	-	-	1057	1414	1693	2002	2442	2830	1977	263	1,96	7,52	3400	6,83	DWG01	SM28				
FFU30UAX	-	792	962	1203	889	197	4,97	4,57	1451	1817	2253	2684	-	-	-	-	-	-	-	7,91	DWG09	SM31				
EMC3130U	-	781	996	1256	921	187	1,72	4,93	1559	2062	2317	2778	3293	-	-	-	-	-	-	6,83	DWG01	SM28				
EMC3130U	-	764	979	1235	-	-	-	-	1536	1880	2279	2730	3235	-	2573	306	1,72	8,41	-	6,83	DWG01	SM28				
EMX4130U	-	781	996	1256	921	187	4,16	4,93	1559	1914	2317	2778	3293	-	-	-	-	-	-	6,83	DWG01	SM28				
EMX6181U	-	-	-	-	-	-	-	-	1457	1791	2191	2665	3214	3846	2499	299	1,74	8,35	4559	6,83	DWG01	SM28				
EMC3134U	-	959	1269	1600	1163	209	2,54	5,57	1969	2394	2887	3467	4146	-	-	-	-	-	-	6,83	DWG01	SM28				
EMC3134U	-	955	1273	1614	-	-	-	-	1989	2419	2917	3497	4180	-	3294	335	2,54	9,82	-	6,83	DWG01	SM28				
EMX4134U	-	867	1099	1379	1058	224	1,6	4,72	1713	2105	2556	3071	3654	-	-	-	-	-	-	6,83	DWG01	SM28				
FFU160UAX	-	911	1147	1430	1102	251	4,46	4,39	1771	2177	2648	3194	-	-	-	-	-	-	-	7,91	DWG09	SM31				
EMC3140U	-	1106	1409	1771	1300	260	3,31	5,01	2191	2672	3211	3815	4477	-	-	-	-	-	-	6,83	DWG01	SM28				
EMC3140U	-	1085	1385	1744	-	-	-	-	2160	2634	3167	3757	4402	-	3552	423	3,31	8,4	-	6,83	DWG01	SM28				
EMX4140U	-	1068	1361	1710	1257	274	4,1	4,59	2119	2583	3105	3689	4330	-	-	-	-	-	-	6,83	DWG01	SM28				
NEU2140U	599	753	968	1244	1534	394	4,71	3,89	1582	1981	2441	-	-	-	-	-	-	-	-	7,4	DWG22	SM13				
EMC3145U	-	1208	1563	1983	1436	297	3,93	4,83	2467	3020	3637	4323	5074	-	-	-	-	-	-	6,83	DWG01	SM28				

## R290 | L/MBP - MBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EMC3145U	0,68	1	115-127 V 60 Hz	L/MBP	LST	RSCR	31,50	Capillary Tube	6,76	ESTER	ISO22	8,20	Fan	ARI MBP
NEU6214U	0,74	1/2	115-127 V 60 Hz	MBP	HST	CSIR	42	Capillary Tube / Expansion Valve	11,84	ESTER	ISO22	25,35	Fan	ARI MBP
NEU2155U	0,82	1/2+	115-127 V 60 Hz	LBP	HST	CSIR	40	Capillary Tube / Expansion Valve	11,84	ESTER	ISO22	24,25	Fan	ARI LBP
NEU6217U	0,87	3/4	115-127 V 60 Hz	MBP	HST	CSR	45	Capillary Tube / Expansion Valve	11,84	ESTER	ISO22	25,62	Fan	ARI MBP
NEX4160UA	0,87	1/2	115-127 V 60 Hz	L/MBP	HST	CSCR	46,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	11,60	Fan	ARI LBP
NEX6217UA	0,87	3/4	115-127 V 60 Hz	MBP	HST	CSCR	21,50	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	11,14	Fan	ARI MBP
NEU2168U	1,02	3/4	115-127 V 60 Hz	LBP	HST	CSCR	49	Capillary Tube / Expansion Valve	11,84	ESTER	ISO22	25,57	Fan	ARI LBP
NEX4170UA	1,03	3/4	115-127 V 60 Hz	L/MBP	HST	CSCR	26,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	11,42	Fan	ARI LBP
NEU2178U	1,14	1	115-127 V 60 Hz	LBP	HST	CSR	-	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	-	Fan	ARI LBP
NEX4180UA	1,14	1	115-127 V 60 Hz	L/MBP	HST	CSCR	53,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	11,60	Fan	ARI LBP
NTX6222UV	1,25	1	115-127 V 60 Hz	MBP	HST	CSCR	60,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	16,50	Fan	ARI MBP
NT6224UV	1,37	1	115-127 V 60 Hz	MBP	HST	CSCR	33,70	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	16,80	Fan	ARI MBP
NTX6225UV	1,37	1	115-127 V 60 Hz	MBP	HST	CSCR	35,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,86	Fan	ARI MBP
NT2180UV	1,37	1	115-127 V 60 Hz	LBP	HST	RSIR/ CSIR	54,5	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	36,81	Fan	ARI LBP
NTX2211UV	1,70	1 1/4	115-127 V 60 Hz	LBP	HST	CSCR	33,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,70	Fan	ARI LBP
NT2210UV	1,7	1 1/4	115-127 V 60 Hz	LBP	HST	CSIR	67	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	39,02	Fan	ARI LBP
NTX6233U	1,70	1 1/4	115-127 V 60 Hz	MBP	HST	CSCR	40,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,80	Fan	ARI MBP
NTX2213UV	2,04	1 1/2	115-127 V 60 Hz	LBP	HST	CSCR	32,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,80	Fan	ARI LBP
NTX6238U	2,04	1 1/2	115-127 V 60 Hz	MBP	HST	CSCR	40,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,80	Fan	ARI MBP
NTX6238UV	2,04	1 1/2	115-127 V 60 Hz	MBP	HST	CSCR	40,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	17,70	Fan	ARI MBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS																			DRAWINGS		
	ARI LBP RATED POINT -25 OF / CONDENSING TEMPERATURE 105OF													ARI MBP - RATED POINT 20 OF / CONDENSING TEMPERATURE 110 OF						HEIGHT	EXTER-NAL VIEW	WIRING DIA-GRAM
					CAP.	ENERGY CON.	CURRENT	EFFICIENCY						CAP.	ENERGY CON.	CURRENT	EFFICIENCY					
	-40	-31	-22	-13	BTU/H	W	A	BTU/WH	-4	5	14	23	32	41	BTU/H	W	A	BTU/WH	50	IN.	REF.	REF.
EMC3145U	-	1228	1580	2003	-	-	-	-	2498	3068	3709	4426	5217	-	4178	502	3,93	8,31	-	6,83	DWG01	SM28
NEU6214U	-	-	-	-	-	-	-	-	1937	2420	2982	3624	4345	5154	5523	802	8,47	6,89	6025	8,14	DWG22	SM13
NEU2155U	748	974	1276	1654	2049	526	6,39	3,89	2108	2639	3246	-	-	-	-	-	-	-	-	7,91	DWG22	SM13
NEU6217U	-	-	-	-	-	-	-	-	2329	2793	3417	4201	5145	6248	6784	869	8,01	7,82	7510	8,14	DWG22	SM13
NEX4160UA	985	1293	1698	2202	2293	513	2,56	3,80	2802	3500	4296	5189	6181	-	-	-	-	-	-	8,14	DWG22	SM13
NEX6217UA	-	-	-	-	-	-	-	-	2515	3091	3784	4596	5531	6603	4311	540	2,5	7,98	7807	8,14	DWG22	SM13
NEU2168U	1198	1597	2095	2696	1916	500	5,87	3,83	3409	4231	5173	-	-	-	-	-	-	-	-	8,14	DWG22	SM13
NEX4170UA	1159	1521	1998	2590	2698	603	3,01	4,47	3297	4118	5054	6105	7272	-	-	-	-	-	-	8,14	DWG22	SM13
NEU2178U	1336	1749	2257	2860	2871	694	6,29	4,14	3558	4351	5238	6218	-	-	-	-	-	-	-	8,14	DWG22	SM13
NEX4180UA	1290	1693	2224	2883	3003	671	3,35	4,98	3670	4584	5626	6795	8094	-	-	-	-	-	-	8,14	DWG22	SM13
NTX6222UV	-	-	-	-	-	-	-	-	3617	4661	5879	7264	8817	-	6785	896	10,78	7,57	-	9,21	DWG16	SM20
NT6224UV	-	-	-	-	-	-	-	-	3558	4377	5477	6858	8519	10462	5952	1037	4,86	5,74	12686	9,21	DWG16	SM20
NTX6225UV	-	-	-	-	-	-	-	-	4340	5429	6691	8138	9776	-	7635	995	6,23	7,68	-	9,21	DWG16	SM20
NT2180UV	1071	1408	1852	2403	2615	764	3,6	3,42	3062	3829	4702	-	-	-	-	-	-	-	-	8,66	DWG16	SM20
NTX2211UV	2163	2832	3651	4630	3362	772	3,73	4,35	5773	7090	8595	-	-	-	-	-	-	-	-	9,21	DWG16	SM20
NT2210UV	1435	1822	2346	3008	3264	963	9,78	3,39	3808	4745	5820	-	-	-	-	-	-	-	-	9,21	DWG16	SM20
NTX6233U	-	-	-	-	-	-	-	-	4784	5947	7285	8810	10520	12417	8281	1055	6,76	7,85	14512	9,21	DWG16	SM20
NTX2213UV	2595	3332	4261	5381	5429	1152	5,08	4,71	6693	8196	9891	-	-	-	-	-	-	-	-	9,21	DWG16	SM20
NTX6238U	-	-	-	-	-	-	-	-	5599	6961	8534	10322	12325	14546	9701	1291	8,1	7,52	16989	9,21	DWG16	SM20
NTX6238UV	-	-	-	-	-	-	-	-	6672	8156	9910	11932	14224	16785	10442	1660	7,51	6,29	19615	9,21	DWG16	SM20

## R134a | LBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EMIS30HHR	0,18	1/10	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	8,80	Capillary Tube	5,4i	ESTER	ISO22	14,93	Static/Fan	ARI LBP
EMY45HSC	0,23	1/8	115-127 V 60 Hz	LBP	LST	RSCR	7,40	Capillary Tube	5,4i	ESTER	ISO10	15,43	Static	ARI LBP
EM2U50HLP	0,27	1/6	115-127 V 60 Hz	LBP	LST	RSIR	12,75	Capillary Tube	5,07	ESTER	ISO10	7,20	Static	ARI LBP
EM3Z60HLT	0,32	1/4	115-127 V 60 Hz	L/MBP	LST	RSCR	11,72	Capillary Tube	5,07	ESTER	ISO10	7,50	Static	ARI LBP
EM2U60HLP	0,34	1/5	115-127 V 60 Hz	LBP	LST	RSCR	13,10	Capillary Tube	5,07	ESTER	ISO10	18,06	Static	ARI LBP
EMY70HER	0,35	1/5	115-127 V 60 Hz	L/MBP	LST	RSIR/CSIR	26,50	Capillary Tube	6,42	ESTER	ISO10	18,32	Static	ARI LBP
EMYE70HEP	0,36	1/5	115-127 V 60 Hz	LBP	LST	RSIR	15,00	Capillary Tube	6,08	ESTER	ISO10	16,51	Static	ARI LBP
EMIS70HHR	0,36	1/5	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	28,20	Capillary Tube	5,4i	ESTER	ISO10	16,01	Fan	ARI LBP
FFUS70HAK	0,39	1/4	115-127 V 60 Hz	L/MPB	LST	RSIR/CSIR	22,75	Capillary Tube	7,78	ALQUILB	ISO32	20,79	Static/Fan	ARI LBP
FFUS80HAK	0,41	1/4+	115-127 V 60 Hz	L/MBP	LST	RSIR/CSIR	32,00	Capillary Tube	7,78	ESTER	ISO10	22,05	Static/Fan	ARI LBP
FFUS100HAX	0,49	1/3	115-127 V 60 Hz	L/MBP	LST/ HST	CSIR	33,60	Capillary Tube / Expansion Valve	7,78	ESTER	ISO10	23,63	Fan	ARI LBP
FFUS130HAX	0,65	1/3+	115-127 V 60 Hz	L/MBP	LST/ HST	CSIR	18,30	Capillary Tube / Expansion Valve	9,47	ESTER	ISO22	23,24	Fan	ARI LBP
FFI12HBX	0,68	1/3+	115-127 V 60 Hz	L/M/HBP	HST	CSIR	19,00	Capillary Tube / Expansion Valve	9,46	ESTER	ISO22	24,14	Fan	ARI LBP
FFU160HAX	0,79	1/2	115-127 V 60 Hz	L/MBP	HST	CSIR	19,00	Capillary Tube / Expansion Valve	9,46	ESTER	ISO22	24,80	Fan	ARI LBP
NEU214OZ	1,03	1/2	115-127 V 60 Hz	LBP	HST	CSIR/CSCR	40,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,49	Fan	ARI LBP

## R134a | LBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EM20HHR	0,14	1/12	115-127 V 60 Hz	M/HBP	LST	RSIR/CSIR	6,50	Capillary Tube	5,4i	ESTER	ISO22	16,58	Static/Fan	ARI HBP
EMIS20HHR	0,14	1/12	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	9,10	Capillary Tube	5,4i	ESTER	ISO22	14,93	Static/Fan	ARI HBP
EMIS30HHR	0,18	1/10	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	8,80	Capillary Tube	5,4i	ESTER	ISO22	14,93	Static/Fan	ARI HBP
EM45HHR	0,23	1/8	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	17,00	Capillary Tube	5,4i	ESTER	ISO22	16,89	Fan	ARI HBP
EM55HHR	0,28	1/6	115-127 V 60 Hz	HBP	LST	RSIR	10,00	Capillary Tube	5,4i	ESTER	ISO22	-	Fan	ARI HBP
EM65HHR	0,34	1/6+	115-127 V 60 Hz	M/HBP	LST	RSIR/CSIR	13,90	Capillary Tube	5,4i	ESTER	ISO22	16,89	Fan	ARI HBP
EMIS70HHR	0,36	1/5	115-127 V 60 Hz	L/M/HBP	LST	RSIR/CSIR	28,20	Capillary Tube	5,4i	ESTER	ISO10	16,01	Fan	ARI LBP
NEU616OZ	0,44	1/4	115-127 V 60 Hz	HBP	HST	CSR	39	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	22,07	Fan	ARI HBP
FFI10HBX	0,55	1/4+	115-127 V 60 Hz	L/M/HBP	HST	CSIR	35,00	Capillary Tube / Expansion Valve	9,47	ESTER	ISO22	24,93	Fan	ARI HBP
FFI10HBX	0,55	1/3	115-127 V 60 Hz	L/M/HBP	HST	CSIR	35,00	Capillary Tube / Expansion Valve	9,47	ESTER	ISO22	25,29	Fan	ARI HBP
NEU6187Z	0,61	1/3	115-127 V 60 Hz	HBP	HST	CSR	39,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	23,59	Fan	ARI HBP
FFI12HBX	0,68	1/3+	115-127 V 60 Hz	L/M/HBP	HST	CSIR	43,00	Capillary Tube / Expansion Valve	9,46	ESTER	ISO22	24,14	Fan	ARI HBP
NEU621OZ	0,74	1/2	115-127 V 60 Hz	HBP	HST	CSIR	21,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,43	Fan	ARI HBP
NEU6212Z	0,87	1/2	115-127 V 60 Hz	HBP	HST	CSIR	26,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI HBP



MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25 °F / CONDENSING TEMPERATURE 105°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23	32	IN.			
EMIS30HHR	-	164	218	293	200	71	0,69	2,82	386	498	638	805	-	6,54	DWG01	SM28	
EMY45HSC	-	171	239	328	215	48	0,81	4,51	437	570	720	-	-	6,73	DWG01	SM28	
EM2U50HLP	-	256	352	468	316	79	1,46	4,01	614	795	1013	-	-	6,73	DWG01	SM28	
EM3Z60HLT	-	317	437	580	396	81	0,97	4,88	751	952	1188	1460	-	6,73	DWG01	SM28	
EM2U60HLP	-	317	427	594	397	94	1,53	4,22	781	1003	1269	-	-	6,73	DWG01	SM28	
EMY70HER	-	322	436	611	420	99	1,94	4,24	842	1113	1414	1762	-	6,73	DWG01	SM28	
EMYE70HEP	-	344	467	624	422	92	0,85	4,59	819	1051	1327	-	-	6,73	DWG01	SM28	
EMIS70HHR	-	365	481	631	439	118	2,36	3,72	819	1051	1331	1669	-	6,54	DWG01	SM28	
FFUS70HAK	-	372	515	700	463	113	2,00	4,10	928	1201	1525	1904	2337	7,91	DWG09	SM08	
FFUS80HAK	-	406	556	751	503	125	2,35	4,03	986	1266	1597	1983	2419	7,91	DWG09	SM08	
FFUS100HAX	-	508	682	901	620	148	3,71	4,18	1167	1167	1890	2365	2921	7,91	DWG09	SM08	
FFUS130HAX	-	665	874	1136	797	211	1,93	3,78	1464	1860	2327	2870	3491	7,91	DWG09	SM08	
FFI2HBX	-	594	822	1112	740	262	2,72	2,82	1471	1904	2416	3016	-	7,81	DWG09	SM08	
FFU160HAX	-	795	1061	1375	968	232	2,12	4,17	1747	2197	2736	3378	4135	7,91	DWG09	SM35	
NEU2140Z	548	832	1153	1555	1037	272	5,37	3,81	2047	2641	3343	-	-	8,14	DWG22	SM13	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI LBP RATED POINT -25 °F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20 °F / CONDENSING TEMPERATURE 110°F ARI HBP RATED POINT 45 °F / CONDENSING TEMPERATURE 130°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
EM20HHR	-	-	-	454	539	659	722	110	0,66	6,54	819	6,10	DWG01	SM28	
EMIS20HHR	-	-	-	511	603	711	792	127	0,77	8,28	934	6,10	DWG01	SM28	
EMIS30HHR	266	355	461	587	730	894	974	147	0,92	6,63	1082	6,54	DWG01	SM28	
EM45HHR	314	416	543	696	877	1085	1187	171	2,13	8,94	1324	6,73	DWG01	SM28	
EM55HHR	-	-	-	1007	1239	1518	1656	251	1,35	6,61	1846	6,54	DWG01	SM28	
EM65HHR	-	-	-	1208	1498	1887	2013	308	1,90	6,53	2242	6,54	DWG01	SM28	
EMIS70HHR	785	1010	1280	1604	-	-	439	118	3,30	3,37	-	6,54	DWG01	SM28	
NEU6160Z	-	1057	1360	1734	2179	2923	2950	333	3,04	8,86	3838	7,40	DWG22	SM13	
FF10HBX	788	1041	1341	1699	2219	2604	2843	479	5,25	5,93	3160	7,81	DWG09	SM35	
FF10HBX	878	1183	1541	1961	2560	2993	3427	480	5,30	7,14	3607	7,81	DWG09	SM35	
NEU6187Z	-	1372	1880	2470	3122	3815	4129	501	5,67	8,24	4525	7,91	DWG22	SM13	
FFI2HBX	1184	1559	2000	2505	3074	3716	4024	687	6,83	5,86	4429	7,81	DWG09	SM35	
NEU6210Z	-	1612	2148	2760	3449	4529	4581	627	3,45	7,30	5430	7,91	DWG22	SM13	
NEU6212Z	-	2027	2600	3276	4067	4978	5425	699	6,15	7,76	6019	8,14	DWG22	SM13	

## R134a | L/M/HBP - M/HBP - HBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU6214Z	1,03	1/2	115-127 V 60 Hz	HBP	HST	CSR	50,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI HBP
NT6217Z	1,25	3/4+	115-127 V 60 Hz	HBP	HST	CSIR	31,00	Capillary Tube / Expansion Valve	15,20	ESTER	ISO22	37,48	Fan	ARI HBP
NT6220Z	1,37	1	115-127 V 60 Hz	HBP	HST	CSIR	42,00	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	37,92	Fan	ARI HBP
NTU6222ZV	1,45	3/4	115-127 V 60 Hz	HBP	HST	CSCR	70,00	Capillary Tube / Expansion Valve	21,90	ESTER	ISO22	40,34	Fan	ARI HBP
NJ6220Z	1,59	1	115-127 V 60 Hz	HBP	HST	CSIR	42,00	Capillary Tube / Expansion Valve	25,30	ESTER	ISO22	45,19	Fan	ARI HBP
NTU6224ZV	1,70	1 1/4	115-127 V 60 Hz	M/HBP	HST	CSCR	46,00	Capillary Tube / Expansion Valve	21,90	ESTER	ISO22	40,34	Fan	ARI HBP
NJ6226Z	2,10	1 1/4	115-127 V 60 Hz	HBP	HST	CSCR	40,00	Capillary Tube / Expansion Valve	25,30	ESTER	ISO22	43,65	Fan	ARI HBP

## R404A | LBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEK2121GK	0,33	1/3	115-127 V 60 Hz	LBP	HST	CSIR	9,60	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	10,40	Fan	ARI LBP
NEK2125GK	0,38	1/3+	115-127 V 60 Hz	LBP	HST	CSIR	32,00	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	10,40	Fan	ARI LBP
NEK2134GK	0,54	1/2	115-127 V 60 Hz	LBP	HST	CSIR	37,50	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	11,00	Fan	ARI LBP
NEU2140GK	0,54	1/2	115-127 V 60 Hz	LBP	HST	CSIR	18	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,63	Fan	ARI LBP
NEU2155GK	0,74	3/4	115-127 V 60 Hz	LBP	HST	CSR	23	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,69	Fan	ARI LBP
NEU2168GK	0,87	3/4	115-127 V 60 Hz	LBP	HST	CSR	29	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI LBP
NEU2178GK	1,03	1	115-127 V 60 Hz	LBP	HST	CSR	29	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,35	Fan	ARI LBP
NT2178GK	1,06	1	115-127 V 60 Hz	LBP	HST	CSIR	72	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,48	Fan	ARI LBP
NT2180GK	1,25	1	115-127 V 60 Hz	LBP	HST	CSIR	40	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	38,36	Fan	ARI LBP
NT2192GK	1,37	1+	115-127 V 60 Hz	LBP	HST	CSIR	56	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	38,58	Fan	ARI LBP
NJ2192GJ	1,59	1 1/4	115-127 V 60 Hz	LBP	HST	CSR	44	Capillary Tube / Expansion Valve	25,36	ESTER	ISO22	48,06	Fan	ARI LBP
NJ2192GK	1,59	1 1/4	115-127 V 60 Hz	LBP	HST	CSCR	87	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	38,58	Fan	ARI LBP
NJ2192GS	1,59	1 1/4	115-127 V 60 Hz	LBP	HST	3PHASE	15	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	44,97	Fan	ARI LBP
NT2212GK	1,7	1 1/2	115-127 V 60 Hz	LBP	HST	CSCR	45	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,34	Fan	ARI LBP
NJ2212GJ	2,1	1 1/2	115-127 V 60 Hz	LBP	HST	CSR	54	Capillary Tube / Expansion Valve	25,36	ESTER	ISO22	47,18	Fan	ARI LBP
NJ2212GS	2,1	1 1/2	115-127 V 60 Hz	LBP	HST	3PHASE	13	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	44,97	Fan	ARI LBP
NJ2212GK	2,1	1 1/2	115-127 V 60 Hz	LBP	HST	CSCR	87	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	47,28	Fan	ARI LBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS											DRAWINGS		
	ARI HBP RATED POINT 45 °F / CONDENSING TEMPERATURE 130°F											HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50			
EM20HHR	-	2245	2928	3712	4610	5633	6133	851	7,76	7,21	6797	8,14	DWG22	SM13
EMIS20HHR	-	2488	3242	4125	5149	6319	6889	937	5,60	7,35	7647	8,66	DWG16	SM20
EMIS30HHR	-	2835	3620	4559	5654	6920	7537	1098	6,47	6,86	8360	8,66	DWG16	SM20
EM45HHR	-	2765	3757	5143	6755	8423	9131	1015	4,36	8,88	9978	9,84	DWG19	SM21
EM55HHR	-	2846	3941	5197	6643	8312	9130	1238	7,38	7,38	10230	10,43	DWG18	SM14
EM65HHR	-	3927	5151	6473	7898	9431	10141	1247	6,11	8,14	11076	9,84	DWG19	SM21
EMIS70HHR	-	3610	5070	6705	8500	10438	11343	1600	7,20	7,09	12509	9,96	DWG18	SM16

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS											DRAWINGS			
	ARI LBP RATED POINT -25 °F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20 °F / CONDENSING TEMPERATURE 110°F ARI HBP RATED POINT 45 °F / CONDENSING TEMPERATURE 130°F											HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM	
	-40	-31	-22	-13	BTU/H	W	A	BTU/WH	-4	5	14				23
NEK2121GK	491	638	818	1037	754	227	1,37	3,32	1300	1600	1944	-	7,91	DWG22	SM04
NEK2125GK	583	743	952	1204	878	250	4,21	3,52	1504	1852	2255	-	7,91	DWG22	SM04
NEK2134GK	730	982	1279	1627	1176	333	2,8	3,53	2026	2490	3016	-	7,91	DWG22	SM04
NEU2140GK	679	917	1214	1576	1109	300	2,5	3,7	2006	2501	3067	-	7,91	DWG22	SM04
NEU2155GK	914	1245	1651	2186	1508	410	2,77	3,68	2705	3364	4118	-	7,91	DWG22	SM04
NEU2168GK	1074	1450	1910	2467	1746	477	3,26	3,66	3122	3879	4749	-	8,14	DWG22	SM04
NEU2178GK	1248	1678	2211	2849	2022	580	3,44	3,49	3596	4456	5439	-	8,14	DWG22	SM04
NT2178GK	1248	1764	2351	3019	2147	618	10,13	3,48	3777	4630	5592	-	8,66	DWG16	SM20
NT2180GK	1286	1893	2596	3384	2352	654	9,74	3,6	4251	5186	6179	-	8,66	DWG16	SM20
NT2192GK	1470	2020	2739	3613	2482	704	-	3,52	4633	5783	7052	-	9,21	DWG16	SM20
NJ2192GJ	1515	2255	3142	4186	2829	801	5,44	3,53	5411	6837	8479	-	10,9	DWG18	SM16
NJ2192GK	1201	2067	3043	4121	2707	784	9,79	3,45	5292	6554	7895	-	10,91	DWG18	SM16
NJ2192GS	1020	1762	2609	3541	2042	689	1,89	2,96	4423	5456	6872	8654	10,4	DWG18	SM17
NT2212GK	1869	2610	3490	4514	3181	930	5,79	3,42	5694	7042	8567	-	10,8	DWG16	SM21
NJ2212GJ	2159	3091	4207	5517	3815	1048	7,39	3,64	7035	8779	10765	-	10,9	DWG18	SM16
NJ2212GS	1595	2430	3389	4527	3515	830	2	3	5867	7434	9248	11418	10,8	DWG18	SM17
NJ2212GK	1747	2569	3590	4815	3228	952	13,8	3,39	6244	7879	9718	-	10,91	DWG18	SM16

## R404A | MBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU6181GK	0,38	1/3+	115-127 V 60 Hz	MBP	HST	CSIR	31	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	22,07	Fan	ARI MBP
NEU6210GK	0,44	1/3	115-127 V 60 Hz	MBP	HST	CSR	39	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	23,37	Fan	ARI MBP
NEU6212GK	0,54	1/2	115-127 V 60 Hz	MBP	HST	CSIR	39	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	23,59	Fan	ARI MBP
NEU6214GK	0,61	1/2	115-127 V 60 Hz	MBP	HST	CSIR	42	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,69	Fan	ARI MBP
NEU6215GK	0,74	3/4	115-127 V 60 Hz	MBP	HST	CSIR	47	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,6	Fan	ARI MBP
NT6217GKV	0,77	3/4	115-127 V 60 Hz	MBP	HST	CSCR	50	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,47	Fan	ARI LBP
NTX6220GKV	0,82	1/2	115-127 V 60 Hz	MBP	HST	CSCR	50,00	Capillary Tube / Expansion Valve	13,02	ESTER	ISO22	16,50	Fan	ARI MBP
NEU6220GK	0,87	3/4	115-127 V 60 Hz	MBP	HST	CSR	57	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI MBP
NT6220GKV	0,88	3/4	115-127 V 60 Hz	MBP	HST	CSCR	54,5	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,47	Fan	ARI LBP
NTX6222GKV	0,95	3/4	115-127 V 60 Hz	MBP	HST	CSCR	34,00	Capillary Tube / Expansion Valve	13,02	ESTER	ISO22	16,70	Fan	ARI MBP
NT6222GK	1,06	1	115-127 V 60 Hz	MBP	HST	CSIR	70	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,92	Fan	ARI MBP
NT6224GKV	1,25	1	115-127 V 60 Hz	MBP	HST	CSCR	77	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,25	Fan	ARI MBP
NTU6232GKV	1,25	1+	115-127 V 60 Hz	MBP	HST	CSCR	93	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,32	Fan	ARI LBP
NT6226GKV	1,37	1	115-127 V 60 Hz	MBP	HST	CSCR	77	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	38,58	Fan	ARI MBP
NTU6234GKV	1,45	1 1/4	115-127 V 60 Hz	MBP	HST	CSCR	81	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,52	Fan	ARI LBP
NJ9232GK	1,59	1 1/4	115-127 V 60 Hz	MBP	HST	CSCR	40	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	47,39	Fan	ARI MBP
NTU6238GKV	1,6	1 1/2	115-127 V 60 Hz	MBP	HST	CSCR	51	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	39,9	Fan	ARI LBP
NTU6240GKV	1,7	1 1/2	115-127 V 60 Hz	MBP	HST	CSCR	51	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,34	Fan	ARI LBP
NJ9238GK	1,99	1 1/2	115-127 V 60 Hz	MBP	HST	CSCR	59	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	48,72	Fan	ARI MBP
NJX6250GK	2,31	2	115-127 V 60 Hz	MBP	HST	CSCR	63	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	48,1	Fan	ARI MBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI HBP RATED POINT 45 OF / CONDENSING TEMPERATURE 130OF												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
EM20HHR	1021	1213	1501	1887	2369	2949	3235	555	5,85	5,84	3626	7,4	DWG22	SM13	
EMIS20HHR	1133	1353	1690	2145	2718	3473	3821	563	5,69	6,8	4297	7,91	DWG22	SM13	
EMIS30HHR	1438	1635	2020	2591	3350	4296	4771	715	7,65	6,68	5428	7,91	DWG22	SM13	
EM45HHR	1696	1961	2405	3025	3820	4792	5274	861	8,87	6,15	5937	8,14	DWG22	SM13	
EM55HHR	1995	2357	2893	3604	4489	5548	6070	1118	11,44	5,44	6782	8,14	DWG22	SM13	
EM65HHR	1781	2166	2656	3255	3969	4803	5209	1041	11	5,02	5762	8,66	DWG16	SM21	
EMIS70HHR	2794	3438	4247	5221	6359	7662	4596	792	7,69	5,8	9129	8,66	DWG16	SM21	
EMIS20HHR	2316	2800	3439	4233	5182	6287	6822	1262	11,98	5,41	7547	8,14	DWG22	SM13	
EMIS30HHR	1906	2479	3145	3903	4755	5698	6143	1061	9,96	5,79	6734	8,66	DWG16	SM21	
EM45HHR	3172	3991	4976	6127	7443	8924	5199	874	4,39	5,85	10571	8,66	DWG16	SM21	
EM55HHR	3689	4733	5917	7244	8718	-	6785	963	14,92	7,04	-	8,66	DWG16	SM21	
EM65HHR	4381	5483	6760	8227	9899	11786	7716	1154	14,69	6,69	13905	9,21	DWG16	SM21	
EMIS70HHR	3315	4292	5392	6631	8024	9589	10335	1458	14,09	7,11	11340	9,84	DWG19	SM26	
EMIS20HHR	4531	5620	6896	8411	10209	-	7877	1465	17,05	5,38	-	9,21	DWG16	SM21	
EMIS30HHR	3925	4967	6161	7525	9077	10837	11683	1716	15,65	6,83	12824	9,84	DWG19	SM26	
EM45HHR	4828	6248	7896	9766	11857	-	9116	1494	9,68	6,1	-	10,91	DWG18	SM16	
EM55HHR	4395	5512	6846	8436	10319	12531	13618	1970	8,94	6,9	15110	9,84	DWG19	SM26	
EM65HHR	4656	5878	7165	8680	10585	13044	14343	2079	9,95	6,88	16219	9,84	DWG19	SM26	
EMIS70HHR	6166	7886	9841	12045	14512	-	11281	1964	11,73	5,74	-	10,91	DWG18	SM16	
EM65HHR	7711	9912	12291	14843	17559	-	13974	2435	12,32	5,74	-	10,91	DWG18	SM16	

## R290 | LBP L/MBP | 60Hz

MODEL	DISPL in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU2140U	0.61	1/2	208-230V 60Hz	LBP	HST	CSIR	14	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	23.15	Fan	ARI LBP
NEU2155U	0.83	3/4	208-230V 60Hz	LBP	HST	CSR	17.5	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	24.47	Fan	ARI LBP
NEU2168U	1.03	3/4	208-230V 60Hz	LBP	HST	CSR	21	Capillary Tube or Expansion Valve	11.83	ESTER	ISO22	25.57	Fan	ARI LBP
NT2170U	1.25	3/4	208-230V 60Hz	LBP	HST	CSIR	30	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.92	Fan	ARI LBP
NEU2178U	1.14	1	208-230V 60Hz	LBP	HST	CSR	-	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.58	Fan	ARI LBP
NT2180UV	1.37	1	208-230V 60Hz	LBP	HST	CSCR	35	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	39.68	Fan	ARI LBP
NTX221U	1.70	1 1/4	208-230V 60Hz	LBP	HST	CSCR	33.00	Capillary Tube or Expansion Valve	15.22	ESTER	ISO22	39.25	Fan	ARI LBP
NT2210U	1.70	1 1/4	208-230V 60Hz	LBP	HST	CSCR	33	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	40.78	Fan	ARI LBP

## R290 | MBP | 50Hz

MODEL	DISPL in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU6214U	0.74	1/2	208-230V 60Hz	MBP	HST	CSIR	18	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	24.69	Fan	ARI MBP
NEU6217U	0.87	3/4	208-230V 60Hz	MBP	HST	CSIR	21	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.57	Fan	ARI MBP

## R134a | M/HBP - HBP | 60Hz

MODEL	DISPL in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU6187Z	0.61	1/3	208-230V 60Hz	HBP	HST	CSR	39.00	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	23.59	Fan	ARI HBP
NEU6210Z	0.74	1/2	208-230V 60Hz	HBP	HST	CSIR	18.5	Capillary tube / Expansion valve	11.83	ESTER	ISO22	23.37	Fan	ARI HBP
NEU6212Z	0.87	1/2	208-230V 60Hz	HBP	HST	CSIR	20	Capillary tube / Expansion valve	11.83	ESTER	ISO22	24.56	Fan	ARI HBP
NEU6214Z	1.03	1/2	208-230V 60Hz	HBP	HST	CSIR	22	Capillary tube / Expansion valve	11.83	ESTER	ISO22	25.57	Fan	ARI HBP
NT6215Z	1.06	1/2+	208-230V 60Hz	HBP	HST	CSIR	20.7	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.48	Fan	ARI HBP
NT6217Z	1.25	3/4+	208-230V 60Hz	HBP	HST	CSIR	25	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.48	Fan	ARI HBP
NTU6222ZV	1.45	3/4	208-230V 60Hz	M/HBP	HST	CSCR	30	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.34	Fan	ARI HBP
NT6220Z	1.37	1	208-230V 60Hz	HBP	HST	CSIR	42.00	Capillary Tube / Expansion Valve	15.22	ESTER	ISO22	37.92	Fan	ARI HBP
NJ6220Z	1.59	1	208-230V 60Hz	HBP	HST	CSIR	36	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	45.19	Fan	ARI HBP
NTU6224ZV	1.7	1 1/4	208-230V 60Hz	M/HBP	HST	CSCR	30	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.34	Fan	ARI HBP
NJ6226Z	2.1	1 1/4	208-230V 60Hz	HBP	HST	CSCR	35	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	43.65	Fan	ARI HBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25 °F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20 °F / CONDENSING TEMPERATURE 110°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23	32	IN.			
NEU2140U	724	931	1187	1498	1096	259	1.96	4.23	1928	2293	2784	-	-	7.91	DWG05	SM06	
NEU2155U	969	1276	1546	1976	1461	321	2.04	4.55	2428	3051	-	-	-	7.91	DWG05	SM06	
NEU2168U	1107	1501	1873	2437	1735	388	2.45	4.47	2936	3706	-	-	-	8.14	DWG05	SM06	
NT2170U	1357	1757	2273	2907	2089	532	4.52	3.93	3668	4559	5582	-	-	8.66	DWG16	SM20	
NEU2178U	1269	1686	2132	2698	1938	441	2.79	4.39	3235	4057	-	-	-	8.14	DWG05	SM06	
NT2180UV	1392	1881	2376	3012	2173	501	4.6	4.34	3678	4644	-	-	-	8.66	DWG07	SM21	
NTX221IU	1882	2553	3041	3945	2941	647	4.22	4.55	4869	6071	-	-	-	9.21	DWG07	SM21	
NT2210U	1717	2308	2832	3694	2662	650	4.42	4.1	4489	5670	-	-	-	9.21	DWG07	SM21	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI MBP - RATED POINT 20 °F / CONDENSING TEMPERATURE 110 °F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
NEU6214U	-	2753	3435	3845	4873	5651	3671	462	3.72	7.94	6761	8.14	DWG05	SM06	
NEU6217U	-	3137	3894	4562	5367	-	4184	537	4.19	7.79	-	8.14	DWG05	SM06	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI MBP RATED POINT 20 °F / CONDENSING TEMPERATURE 110°F ARI HBP RATED POINT 45 °F / CONDENSING TEMPERATURE 130°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
NEU6187Z	-	1372	1880	2470	3122	3815	4129	501	5.67	8.24	4525	7.91	DWG22	SM13	
NEU6210Z	-	1375	1781	2255	2812	3457	3771	483	3.05	7.81	4194	7.91	DWG05	SM06	
NEU6212Z	-	1549	2051	2627	3296	4060	4434	621	3.81	7.14	4934	7.91	DWG05	SM06	
NEU6214Z	-	1928	2470	3112	3856	4719	5143	682	4.03	7.54	5709	8.14	DWG05	SM06	
NT6215Z	-	1662	2221	2876	3657	4514	4942	704	4.4	7.03	5514	8.66	DWG07	SM21	
NT6217Z	-	2221	2805	3521	4391	5429	5950	720	4.71	8.26	6654	8.66	DWG07	SM21	
NTU6222ZV	-	2805	3562	4456	5504	6722	7322	790	3.71	9.26	8128	9.84	DWG08	SM26	
NT6220Z	-	2835	3620	4559	5654	6920	7537	1098	6.47	6.86	8360	8.66	DWG16	SM20	
NJ6220Z	-	2039	2927	3980	5199	6587	7262	1073	5.69	6.76	8153	10.43	DWG09	SM16	
NTU6224ZV	-	3450	4344	5391	6609	8012	8701	942	4.26	9.23	9622	9.84	DWG08	SM26	
NJ6226Z	-	3023	4050	5238	6600	8155	8910	1248	5.92	7.14	9912	9.96	DWG09	SM16	

## R404A | LBP | 60Hz

MODEL	DISPL in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU2140GK	0.53	1/2	208-230V 60Hz	LBP	HST	CSIR	13.5	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	23.4	Fan	ARI LBP
NEU2155GK	0.74	3/4	208-230V 60Hz	LBP	HST	CSIR	18	Capillary Tube / Expansion Valve	11.8	ESTER	ISO22	24.47	Fan	ARI LBP
NEU2168GKA	0.83	3/4	208-230V 60Hz	LBP	HST	CSIR	24.80	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	24.37	Fan	ARI LBP
NEU2168GK	0.87	3/4	208-230V 60Hz	LBP	HST	CSIR	21	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	-	Fan	ARI LBP
NEU2178GKA	0.96	1	208-230V 60Hz	LBP	HST	CSCR		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	24.32	Fan	ARI LBP
NEU2178GK	1.02	1	208-230V 60Hz	LBP	HST	CSR	21	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.57	Fan	ARI LBP
NEU2183GKA	1.03	1	208-230V 60Hz	LBP	HST	CSCR	24.80	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	24.70	Fan	ARI LBP
NT2178GK	1.06	1	208-230V 60Hz	LBP	HST	CSCR/CSIR	25	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.48	Fan	ARI LBP
NT2180GK	1.25	1	208-230V 60Hz	LBP	HST	CSIR	35	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	38.36	Fan	ARI LBP
NT2192GK	1.37	1+	208-230V 60Hz	LBP	HST	CSIR	35	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	38.58	Fan	ARI LBP
NJ2192GJ	1.59	1 1/4	208-230V 60Hz	LBP	HST	CSR	-	Capillary Tube / Expansion Valve	25.36	ESTER	ISO22	46.3	Fan	ARI LBP
NJ2192GK	1.59	1 1/4	208-230V 60Hz	LBP	HST	CSCR	87	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	38.58	Fan	ARI LBP
NJ2192GS	1.59	1 1/4	440-480V 60Hz	LBP	HST	3PHASE	15	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	43.43	Fan	ARI LBP
NT2212GK	1.7	1 1/2	208-230V 60Hz	LBP	HST	CSCR	33	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.34	Fan	ARI LBP
NJ2212GJ	2.1	1 1/2	208-230V 60Hz	LBP	HST	CSCR	36	Capillary Tube / Expansion Valve	25.36	ESTER	ISO22	47.4	Fan	ARI LBP
NJ2212GS	2.1	1 1/2	440-480V 60Hz	LBP	HST	3PHASE	13	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	44.97	Fan	ARI LBP

## R404A | MBP | 60Hz

MODEL	DISPL in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU6210GK	0.44	1/2	208-230V 60Hz	MBP	HST	CSIR / CSR	16	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	22	Fan	ARI MBP
NEU6212GK	0.54	1/2	208-230V 60Hz	MBP	HST	CSIR	19	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	23.37	Fan	ARI MBP
NEU6214GK	0.61	1/2	208-230V 60Hz	MBP	HST	CSIR	26	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.57	Fan	ARI MBP
NEU6215GK	0.74	3/4	208-230V 60Hz	MBP	HST	CSIR	22	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.35	Fan	ARI MBP
NEU6220GK	0.87	3/4	208-230V 60Hz	MBP	HST	CSR	25	Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.35	Fan	ARI MBP
NT6217GKV	0.77	3/4	208-230V 60Hz	MBP	HST	CSCR	50	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.47	Fan	ARI LBP
NT6220GKV	0.88	3/4	208-230V 60Hz	MBP	HST	CSIR	29.5	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.42	Fan	ARI MBP
NT6222GK	1.06	1	208-230V 60Hz	MBP	HST	CSIR	30	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.92	Fan	ARI MBP
NT6224GKV	1.25	1	208-230V 60Hz	MBP	HST	CSCR	29	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.92	Fan	ARI MBP
NTU6232GKV	1.26	1+	208-230V 60Hz	MBP	HST	CSCR	37.5	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.56	Fan	ARI MBP
NT6226GKV	1.37	1+	208-230V 60Hz	MBP	HST	CSCR	38	Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	38.58	Fan	ARI MBP
NTU6234GKV	1.45	1 1/4	208-230V 60Hz	MBP	HST	CSCR	37.5	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	39.9	Fan	ARI MBP
NJ9232GK	1.59	1 1/4	208-230V 60Hz	MBP	HST	CSCR	43	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	47.73	Fan	ARI MBP
NTU6238GKV	1.6	1 1/2	208-230V 60Hz	MBP	HST	CSCR	37.5	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	39.9	Fan	ARI MBP
NTU6240GKV	1.7	1 1/2	208-230V 60Hz	MBP	HST	CSCR	37.5	Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.34	Fan	ARI MBP
NJ9238GK	1.99	1 1/2	208-230V 60Hz	MBP	HST	CSCR	43	Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	48.72	Fan	ARI MBP



MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS													DRAWINGS		
	ARI LBP RATED POINT -25 °F / CONDENSING TEMPERATURE 105°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM	
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23				IN.
NEU2140GK	638	853	1123	1447	1028	265	2.06	3.88	1822	2255	2743	-	7.91	DWG05	SM06	
NEU2155GK	853	1136	1491	1921	1365	373	3.06	3.66	2426	3006	3665	-	8.15	DWG05	SM06	
NEU2168GKA	1159	1505	1955	2503	2072	399	3.30	3.87	3145	3894	4716	-	8.14	DWG05	SM06	
NEU2168GK	969	1297	1710	2204	1564	419	3.37	3.73	2778	3439	4159	-	8.14	DWG05	SM06	
NEU2178GKA	1305	1715	2232	2855	1780	443	3.00	4.02	3578	4403	5329	-	8.14	DWG05	SM06	
NEU2178GK	1157	1539	2017	2590	1847	476	3.00	3.88	3255	4009	4856	-	8.14	DWG05	SM06	
NEU2183GKA	1516	1912	2543	3212	2123	487	2.96	4.36	3987	4812	5998	-	8.14	DWG05	SM06	
NT2178GK	1037	1396	1860	2433	1694	471	3.82	3.6	3119	3921	4842	-	8.66	DWG07	SM21	
NT2180GK	1273	1703	2252	2917	2055	551	4.3	3.73	3699	4596	5606	-	8.66	DWG07	SM21	
NT2192GK	1355	1826	2412	3115	2205	586	4.92	3.76	3934	4873	5927	-	9.21	DWG07	SM21	
NJ2192GJ	1440	1993	2699	3559	2446	702	5.1	3.49	4576	5750	7080	-	10.9	DWG09	SM16	
NJ2192GK	1201	2067	3043	4121	2707	784	9.79	3.45	5292	6554	7895	-	10.91	DWG18	SM16	
NJ2192GS	1350	1903	2575	3393	2349	677	1.89	3.47	4384	5569	6972	-	10.4	DWG09	SM16	
NT2212GK	1774	2371	3115	4013	2852	737	5.06	3.87	5067	6289	7684	-	9.11	DWG07	SM21	
NJ2212GJ	1829	2583	3542	4688	3200	861	6.03	3.72	6005	7473	9070	-	10.9	DWG09	SM16	
NJ2212GS	1130	2244	3342	4473	3046	878	2.11	3.47	5673	6963	8358	-	10.8	DWG09	SM16	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI MBP RATED POINT 20 °F / CONDENSING TEMPERATURE 110°F ARI HBP RATED POINT 45 °F / CONDENSING TEMPERATURE 130°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
NEU6210GK	1375	1747	2180	2679	3242	3869	2508	382	2.89	6.56	4562	7.91	DWG05	SM06	
NEU6212GK	1723	2170	2685	3272	3934	4678	3068	474	3.76	6.47	5500	7.91	DWG05	SM06	
NEU6214GK	1987	2448	2997	3667	4475	-	3430	527	4.47	6.51	-	8.14	DWG05	SM06	
NEU6215GK	2447	3047	3736	4525	5415	6408	4252	614	5.05	6.93	7514	8.14	DWG05	SM06	
NEU6220GK	2853	3549	4357	5289	6340	7517	4965	758	5.16	6.55	8820	8.14	DWG05	SM06	
NT6217GKV	1781	2166	2656	3255	3969	4803	5209	1041	11	5.02	5762	8.66	DWG16	SM21	
NT6220GKV	2385	3044	3835	4767	5835	7050	4440	684	6.8	6.5	8411	8.66	DWG07	SM21	
NT6222GK	2849	3672	4637	5705	6831	7974	5340	819	7.03	6.52	9090	8.66	DWG07	SM21	
NT6224GKV	3484	4436	5555	6838	8285	9899	6392	972	6.16	6.58	11673	9.21	DWG07	SM21	
NTU6232GKV	4088	5019	6152	7493	9070	10892	7021	908	5.81	7.73	12980	9.84	DWG08	SM26	
NT6226GKV	3921	4985	6217	7575	9022	10520	7111	1034	8.42	6.88	12031	9.21	DWG16	SM21	
NTU6234GKV	4743	5954	7336	8872	10540	12318	8345	1066	6.65	7.83	14184	9.84	DWG08	SM26	
NJ9232GK	3910	5224	6753	8496	10455	-	7891	1254	7.13	6.29	-	10.91	DWG09	SM16	
NTU6238GKV	5309	6558	8063	9820	11820	14055	9208	1554	7.44	7.83	16518	9.84	DWG08	SM26	
NTU6240GKV	5664	6954	8530	10390	12533	14952	9740	1256	7.99	7.75	17651	9.84	DWG08	SM26	
NJ9238GK	5347	6838	8561	10489	12608	-	9825	1636	9.52	6.01	-	10.91	DWG09	SM16	

General Data &  
Performance Reciprocating

# Compressors Fixed Speed International Voltage (220V 50Hz)

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## R290 | LBP L/MBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EM2U311IU	0,18	1/6	220-240V 50-60Hz	L/MBP	LST	RSCR	6,3	Capillary Tube	5,07	ALQUILB	ISO22	16,6	Fan	ARI LBP
EM2U311IU	0,18	1/6	220-240V 50-60Hz	L/MBP	LST	RSCR	6,3	Capillary Tube	5,07	ALQUILB	ISO22	16,6	Fan	ARI MBP
EMX3115U	0,24	1/5	220-240V 50-60Hz	L/MBP	LST	RSCR	7,6	Capillary Tube	5,07	ESTER	ISO10	15	Fan	ARI LBP
EMX3115U	0,24	1/5	220-240V 50-60Hz	L/MBP	LST	RSCR	7,6	Capillary Tube	5,07	ESTER	ISO10	15	Fan	ARI MBP
EM2U3115U	0,24	1/4	220-240V 50-60Hz	L/MBP	LST	RSCR	7,9	Capillary Tube	5,07	ALQUILB	ISO22	17,4	Static	ARI LBP
EM2U3115U	0,24	1/4	220-240V 50-60Hz	L/MBP	LST	RSCR	7,9	Capillary Tube	5,07	ALQUILB	ISO22	17,4	Static	ARI MBP
EMC3117U	0,24	1/4	220-240V 50Hz	L/MBP	LST	RSCR	7,6	Capillary Tube	5,07	ESTER	ISO10	18,12	Static	ARI LBP
EMC3117U	0,24	1/4	220-240V 50Hz	L/MBP	LST	RSCR	7,6	Capillary Tube	5,07	ESTER	ISO10	18,12	Static	ARI MBP
EMC3119U	0,28	1/4	220-240V 50Hz	L/MBP	LST	RSCR	6,71	Capillary Tube	5,07	ESTER	ISO10	18,12	Fan	ARI LBP
EMC3119U	0,28	1/4	220-240V 50Hz	L/MBP	LST	RSCR	6,71	Capillary Tube	5,07	ESTER	ISO10	18,12	Fan	ARI MBP
EMC3121U	0,32	1/4	220-240V 50-60Hz	L/MBP	LST	RSCR	5,8	Capillary Tube	5,07	ESTER	ISO10	14,99	Static/Fan	ARI LBP
EMC3121U	0,32	1/4	220-240V 50-60Hz	L/MBP	LST	RSCR	5,8	Capillary Tube	5,07	ESTER	ISO10	14,99	Static/Fan	ARI MBP
EM2X3121U	0,34	1/4+	220-240V 50-60Hz	L/MBP	LST	RSCR	-	Capillary Tube	5,07	ESTER	ISO22	18,19	Static/Fan	ARI LBP
EM2X3121U	0,34	1/4+	220-240V 50-60Hz	L/MBP	LST	RSCR	-	Capillary Tube	5,07	ESTER	ISO22	18,19	Static/Fan	ARI MBP
EM2X3125U	0,37	1/4+	220-240V 50-60Hz	L/MBP	LST	RSCR	8,2	Capillary Tube	5,07	ESTER	ISO22	18,19	Static/Fan	ARI LBP
EM2X3125U	0,37	1/4+	220-240V 50-60Hz	L/MBP	LST	RSCR	8,2	Capillary Tube	5,07	ESTER	ISO22	18,19	Static/Fan	ARI MBP
EMC3125U	0,37	1/3	220-240V 50-60Hz	L/MBP	LST	RSCR	6,6	Capillary Tube	5,07	ESTER	ISO10	18,01	Fan	ARI LBP
EMC3125U	0,37	1/3	220-240V 50-60Hz	L/MBP	LST	RSCR	6,6	Capillary Tube	5,07	ESTER	ISO10	18,01	Fan	ARI MBP
EMC3130U	0,42	1/3	220-240V 50Hz	L/MBP	LST	RSCR	6,6	Capillary Tube	5,07	ESTER	ISO10	18,08	Fan	ARI LBP
EMC3130U	0,42	1/3	220-240V 50Hz	L/MBP	LST	RSCR	6,6	Capillary Tube	5,07	ESTER	ISO10	18,08	Fan	ARI MBP
EMC3134U	0,49	1/3	220-240V 50-60Hz	L/MBP	LST	RSCR	10,3	Capillary Tube	5,07	ESTER	ISO10	17,97	Fan	ARI LBP
EMC3134U	0,49	1/3	220-240V 50-60Hz	L/MBP	LST	RSCR	10,3	Capillary Tube	5,07	ESTER	ISO10	17,97	Fan	ARI MBP
EMC3140U	0,55	1/3+	220-240V 50Hz	L/MBP	LST	RSCR	10,3	Capillary Tube	5,07	ESTER	ISO22	17,20	Fan	ARI LBP
EMC3140U	0,55	1/3+	220-240V 50Hz	L/MBP	LST	RSCR	10,3	Capillary Tube	5,07	ESTER	ISO22	17,20	Fan	ARI MBP
NEU2140U	0,61	1/2	220-240V 50-60Hz	LBP	HST	CSIR	14	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	23,15	Fan	ARI LBP
EMC3145U	0,68	1/2	220-240V 50Hz	L/MBP	LST	RSCR	10,30	Capillary Tube	6,76	ESTER	ISO22	18,08	Fan	ARI LBP
EMC3145U	0,68	1/2	220-240V 50Hz	L/MBP	LST	RSCR	10,30	Capillary Tube	6,76	ESTER	ISO22	18,08	Fan	ARI MBP
EMC1150U	0,75	1/2	220-240V 50Hz	LBP	LST	RSCR	10,50	Capillary Tube	6,76	ESTER	ISO22	18,08	Fan	ARI LBP
NEU2155U	0,83	3/4	220-240V 50-60Hz	LBP	HST	CSR	17,5	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,47	Fan	ARI LBP
NEU2168U	1,03	3/4	220-240V 50Hz	LBP	HST	CSR	21	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI LBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20°F / CONDENSING TEMPERATURE 110°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
					CAP.	ENERGY CON.	CURRENT	EFFICIENCY									
	-40	-31	-22	-13	BTU/H	W	A	BTU/WH	-4	5	14	23	32	IN.	REF.	REF.	
EM2U3111U	-	308	348	413	337	77	0,9	4,36	549	702	901	1152	1300	6,83	DWG01	SM04	
EM2U3111U	-	297	355	427	927	110	0,9	8,42	526	648	802	996	1232	6,83	DWG01	SM04	
EMX3115U	-	441	528	706	514	100	1,8	5,15	873	1101	1366	1579	1840	6,83	DWG01	SM04	
EMX3115U	-	372	491	630	1339	158	1,8	8,46	789	974	1183	1422	1689	6,83	DWG01	SM04	
EM2U3115U	-	465	534	682	529	112	1,8	4,71	873	1103	1372	1589	1853	6,83	DWG01	SM04	
EM2U3115U	-	372	474	597	1249	148	1,8	8,46	740	911	1102	1327	1576	6,83	DWG01	SM04	
EMC3117U	-	388	443	575	443	84	0,46	5,26	735	926	1148	1289	1546	6,83	DWG01	SM04	
EMC3117U	-	369	457	570	1204	147	0,46	8,21	710	874	1065	1280	1522	6,83	DWG01	SM04	
EMC3119U	-	431	508	654	499	96	1,8	5,19	842	1067	1330	1477	1804	6,83	DWG01	SM04	
EMC3119U	-	375	488	624	1454	150	1,8	9,67	785	969	1187	1433	1713	6,83	DWG01	SM04	
EMC3121U	-	456	643	704	530	104	0,62	5,12	913	1158	1441	1597	1940	6,83	DWG01	SM04	
EMC3121U	-	488	621	792	1725	179	0,62	9,61	993	1235	1515	1836	2197	6,83	DWG01	SM04	
EM2X3121U	-	589	683	881	672	120	0,77	5,58	1143	1455	1813	2007	2425	6,83	DWG01	SM04	
EM2X3121U	-	553	700	894	1937	192	0,77	10,07	1129	1402	1713	2054	2426	6,83	DWG01	SM04	
EM2X3125U	-	681	783	1006	774	136	0,93	5,68	1296	1639	1830	2468	2702	6,83	DWG01	SM04	
EM2X3125U	-	642	809	1024	2172	222	0,93	9,8	1283	1587	1924	2300	2706	6,83	DWG01	SM04	
EMC3125U	-	579	689	868	669	125	1,75	5,37	1114	1411	1760	2087	2385	6,83	DWG01	SM04	
EMC3125U	-	502	642	819	1797	278	1,75	6,46	1030	1283	1576	1914	2300	6,83	DWG01	SM04	
EMC3130U	-	666	772	986	758	144	1,84	5,25	1273	1615	-	-	-	6,83	DWG01	SM04	
EMC3130U	-	688	881	1112	2316	275	1,84	8,41	1382	1692	2051	2457	2912	6,83	DWG01	SM04	
EMC3134U	-	842	962	1205	949	183	1,15	5,2	1520	1898	2344	2787	3153	6,83	DWG01	SM04	
EMC3134U	-	758	959	1208	2528	285	1,15	8,86	1501	1843	2235	2682	3184	6,83	DWG01	SM04	
EMC3140U	-	887	1056	1389	1016	202	1,25	5,94	1690	2125	2627	3042	3506	6,83	DWG01	SM04	
EMC3140U	-	850	1082	1368	2855	333	1,25	8,57	1706	2092	2532	3027	3569	6,83	DWG01	SM04	
NEU2140U	724	931	1187	1498	1096	259	1,96	4,23	1928	2293	2784	-	-	7,91	DWG05	SM06	
EMC3145U	-	1079	1289	1636	1228	252	1,47	4,86	2031	2560	3176	3589	4265	6,83	DWG01	SM04	
EMC3145U	-	1037	1307	1645	3455	404	1,47	8,55	2047	2518	3057	3665	4340	6,83	DWG01	SM04	
EMC1150U	909	1201	1402	1812	1374	283	1,72	4,85	2253	2804	-	-	-	6,83	DWG01	SM04	
NEU2155U	969	1276	1546	1976	1461	321	2,04	4,55	2428	3051	-	-	-	7,91	DWG05	SM06	
NEU2168U	1107	1501	1873	2437	1735	388	2,45	4,47	2936	3706	-	-	-	8,14	DWG05	SM06	

## R290 | LBP L/MBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
NEU2170UA	1,03	3/4	220-240V 50Hz	LBP	HST	CSCR	23,50	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	24,26	Fan	ARI LBP
NEU2178U	1,14	1	220-240V 50Hz	LBP	HST	CSR	-	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,58	Fan	ARI LBP
NEX2180UA	1,14	1	220-240V 50Hz	LBP	HST	CSCR	21,50	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	25,58	Fan	ARI LBP
NEX2180UB	1,14	1	220-240V 50Hz	LBP	HST	CSCR	22,50	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	24,70	Fan	ARI LBP
NEX2190UA	1,28	1	220-240V 50Hz	LBP	HST	CSCR	24,50	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	25,58	Fan	ARI LBP
NT2180U	1,37	1	220-240V 50Hz	LBP	HST	CSCR	35	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	39,68	Fan	ARI LBP
NTX221U	1,70	1 1/4	220-240V 50Hz	LBP	HST	CSCR	33,00	Capillary Tube or Expansion Valve	15,22	ESTER	ISO22	39,25	Fan	ARI LBP
NT2210U	1,70	1 1/4	220-240V 50Hz	LBP	HST	CSCR	33	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	40,78	Fan	ARI LBP
NTX2213U	2,04	1 1/2	220-240V 50Hz	LBP	HST	CSCR	34,00	Capillary Tube or Expansion Valve	15,22	ESTER	ISO22	39,25	Fan	ARI LBP
NJX2215U	2,31	1 3/4	220-240V 50Hz	LBP	HST	CSCR	34,00	Capillary Tube or Expansion Valve	25,36	ESTER	ISO22	48,51	Fan	ARI LBP

## R290 | MBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EMX6144U	0,28	1/5	220-240V 50-60Hz	MBP	HST	CSIR	9,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,87	Fan	ARI MBP
EMX6152U	0,32	1/4	220-240V 50-60Hz	MBP	HST	CSIR	11,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,87	Fan	ARI MBP
EMX6165U	0,37	1/4	220-240V 50-60Hz	MBP	HST	CSIR	11,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,87	Fan	ARI MBP
EMX6181U	0,42	1/3	220-240V 50-60Hz	MBP	HST	CSIR	13,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,43	Fan	ARI MBP
EMY6181U	0,42	1/3	220-240V 50-60Hz	MBP	HST	CSIR	13,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,91	Fan	ARI MBP
EMX6210U	0,55	1/3	220-240V 50Hz	MBP	HST	CSIR	16,00	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	16,32	Fan	ARI MBP
EMY6210U	0,55	1/3	220-240V 50Hz	MBP	HST	CSIR	13,50	Capillary Tube or Expansion Valve	5,07	ESTER	ISO22	17,20	Fan	ARI MBP
NEU6212U	0,61	1/2	220-240V 50Hz	MBP	HST	CSIR	20,5	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,69	Fan	ARI MBP
NEU6214U	0,74	1/2	220-240V 50Hz	MBP	HST	CSIR	18	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,69	Fan	ARI MBP
NEU6217U	0,87	3/4	220-240V 50Hz	MBP	HST	CSIR	21	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI MBP
NEX6217UA	0,87	3/4	220-240V 50Hz	MBP	HST	CSCR	21,50	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	24,56	Fan	ARI MBP
NEU6220U	1,03	3/4	220-240V 50Hz	MBP	HST	CSR	22	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI MBP
NEX6222UA	1,14	1	220-240V 50Hz	MBP	HST	CSCR	24,00	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	25,58	Fan	ARI MBP
NT6222U	1,25	1	220-240V 50Hz	MBP	HST	CSIR	29	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	37,47	Fan	ARI MBP
NEX6225UA	1,28	1	220-240V 50Hz	MBP	HST	CSCR	28,00	Capillary Tube or Expansion Valve	11,83	ESTER	ISO22	25,58	Fan	ARI MBP
NT6224U	1,37	1	220-240V 50Hz	MBP	HST	CSCR	26	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	37,91	Fan	ARI MBP
NT6230U	1,69	1 1/4	220-240V 50Hz	MBP	HST	CSCR	39	Capillary Tube / Expansion Valve	15,22	ESTER	ISO22	38,36	Fan	ARI MBP
NTX6233U	1,70	1 1/4	220-240V 50Hz	MBP	HST	CSCR	40,00	Capillary Tube or Expansion Valve	15,22	ESTER	ISO22	39,25	Fan	ARI MBP
NTX6238U	2,04	1 1/2	220-240V 50Hz	MBP	HST	CSCR	40,00	Capillary Tube or Expansion Valve	15,22	ESTER	ISO22	39,25	Fan	ARI MBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20°F / CONDENSING TEMPERATURE 110°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23	32	IN.			
NEU2170UA	1197	1600	2001	2543	1838	405	2,63	4,54	3055	3829	-	-	-	8,14	DWG05	SM06	
NEU2178U	1269	1686	2132	2698	1938	441	2,79	4,39	3235	4057	-	-	-	8,14	DWG05	SM06	
NEX2180UA	1340	1790	2254	2789	2054	439	2,68	4,68	3383	4217	-	-	-	8,14	DWG05	SM06	
NEX2180UB	1365	1814	2298	2854	2079	443	2,77	4,69	3425	4277	-	-	-	8,14	DWG05	SM06	
NEX2190UA	1464	1969	2487	3125	2266	496	3,1	4,57	3779	4746	-	-	-	8,14	DWG05	SM06	
NT2180U	1392	1881	2376	3012	2173	501	4,6	4,34	3678	4644	-	-	-	8,66	DWG07	SM21	
NTX221IU	1882	2553	3041	3945	2941	647	4,22	4,55	4869	6071	-	-	-	9,21	DWG07	SM21	
NT2210U	1717	2308	2832	3694	2662	650	4,42	4,1	4489	5670	-	-	-	9,21	DWG07	SM21	
NTX2213U	2289	3063	3789	4950	3516	798	5,16	4,41	5749	7103	-	-	-	9,21	DWG07	SM21	
NJX2215U	2339	3203	4094	5137	3724	832	5,53	5,3	6386	8058	-	-	-	10,87	DWG09	SM14	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI MBP - RATED POINT 20°F / CONDENSING TEMPERATURE 110°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
EMX6144U	-	1341	1657	2034	2248	-	1627	211	-	7,71	-	6,73	DWG01	SM13	
EMX6152U	-	1417	1773	2198	2439	-	1751	232	-	7,56	-	6,73	DWG01	SM13	
EMX6165U	-	1458	1825	2256	2496	3026	1797	239	-	7,52	3625	6,73	DWG01	SM13	
EMX6181U	-	1728	2135	2366	2885	3486	2101	259	-	8,12	4177	6,73	DWG01	SM13	
EMY6181U	-	1688	2095	2324	2837	3427	2074	270	-	7,69	4101	6,73	DWG01	SM13	
EMX6210U	-	2226	2768	3074	3755	4531	2748	351	-	7,81	5403	6,73	DWG01	SM13	
EMY6210U	-	2155	2696	3002	3687	4472	2649	379	-	7	5359	6,73	DWG01	SM13	
NEU6212U	-	2320	2905	3463	4123	4767	3105	395	3,49	7,87	5693	7,91	DWG05	SM06	
NEU6214U	-	2753	3435	3845	4873	5651	3671	462	3,72	7,94	6761	8,14	DWG05	SM06	
NEU6217U	-	3137	3894	4562	5367	-	4184	537	4,19	7,79	-	8,14	DWG05	SM06	
NEX6217UA	-	3424	4289	4785	5909	7216	4311	540	-	7,98	8714	8,27	DWG06	SM06	
NEU6220U	-	4094	5091	5650	6893	8307	5075	660	-	7,68	9895	8,14	DWG06	SM06	
NEX6222UA	-	4525	5662	6307	7752	9406	5644	696	-	8,11	11273	8,27	DWG06	SM06	
NT6222U	-	4109	5234	6331	7625	8981	5614	784	6,39	7,16	10910	8,66	DWG16	SM21	
NEX6225UA	-	5370	6695	7003	9162	11150	6673	814	3,65	8,20	13388	8,27	DWG06	SM06	
NT6224U	-	4527	5818	6864	8435	9794	6209	772	4,65	8,04	11679	8,66	DWG16	SM21	
NT6230U	-	5706	7226	8734	10029	12273	7739	1037	6,68	7,46	14837	9,21	DWG16	SM21	
NTX6233U	-	6722	8380	9301	11326	13603	8281	1055	-	7,85	16138	9,21	DWG16	SM21	
NTX6238U	-	7850	9799	10882	13266	15944	9701	1291	-	7,52	18919	9,21	DWG16	SM21	

## R134a | LBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EMIS30HHR	0,18	1/10	220-240V 50-60Hz	L/M/HBP	LST	RSIR/ CSIR	9	Capillary Tube	5,41	ESTER	ISO22	14,93	Fan	ARI LBP
EM45HHR	0,23	1/8	220-240V 50Hz	L/M/HBP	LST	RSIR/ CSIR	9,5	Capillary Tube	5,41	ESTER	ISO22	16,89	Fan	ARI LBP
EM155HER	0,28	1/6	220-240V 50-60Hz	LBP	LST	RSIR/ CSIR	10,2	Capillary Tube	6,76	ESTER	ISO22	16,76	Static/Fan	ARI LBP
EM160HER	0,3	1/6	220-240V 50-60Hz	LBP	LST	RSIR/ CSIR	21	Capillary Tube	5,41	ESTER	ISO22	16,76	Static	ARI LBP
EM2U60HLP	0,34	1/5	220-240V 50Hz	LBP	LST	RSCR	5,8	Capillary Tube	5,07	ESTER	ISO10	18,06	Static	ARI LBP
EM170HER	0,36	1/5	220-240V 50Hz	LBP	LST	RSIR/ CSIR	12,5	Capillary Tube	5,41	ESTER	ISO22	17	Static	ARI LBP
FFUS70HAK	0,39	1/4	220-240V 50-60Hz	L/MBP	LST	RSIR/ CSIR	14,5	Capillary Tube	7,78	ESTER	ISO10	22,49	Static/Fan	ARI LBP
FFU70HAK	0,39	1/4	220-240V 50-60Hz	L/MBP	LST	RSIR- CSIR	11,9	Capillary Tube	9,46	ESTER	ISO10	23,68	Fan	ARI LBP
FFU80HAK	0,41	1/4+	220-240V 50-60Hz	L/MBP	LST	RSIR- CSIR	14,4	Capillary Tube	9,46	ESTER	ISO10	25,18	Fan	ARI LBP
FFUS80HAK	0,41	1/4+	220-240V 50-60Hz	L/MBP	LST	RSIR/ CSIR	14,5	Capillary Tube	7,78	ESTER	ISO10	21,83	Static/Fan	ARI LBP
FFUS100HAK	0,49	1/3	220-240V 50-60Hz	L/MBP	LST	RSIR/ CSIR	17,5	Capillary Tube	11,83	ESTER	ISO10	23,37	Static/Fan	ARI LBP
FFU100HAK	0,49	1/3	220-240V 50-60Hz	L/MBP	LST	RSIR/ CSIR	17,5	Capillary Tube	9,46	ESTER	ISO10	25,15	Static	ARI LBP
FFU130HAX	0,65	1/3+	220-240V 50Hz	L/MBP	LST/ HST	CSIR	17,5	Capillary Tube / Expansion Valve	9,46	ESTER	ISO10	24,8	Fan	ARI LBP
FFUS130HAX	0,65	1/3+	220-240V 50Hz	L/MBP	LST/ HST	CSIR	17,5	Capillary Tube / Expansion Valve	9,47	ESTER	ISO22	23,08	Fan	ARI LBP
FFI12HBK	0,68	1/3+	220-240V 50Hz	L/M/HBP	LST	RSIR/ CSIR	20	Capillary Tube	9,46	ESTER	ISO22	25,29	Fan	ARI LBP
NEU4130Z	0,74	1/3	220-240V 50Hz	L/MBP	HST	CSIR	13	Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	22,05	Fan	ARI LBP
FFU160HAX	0,78	1/2	220-240V 50-60Hz	L/MBP	HST	CSIR	17,7	Capillary Tube / Expansion Valve	9,46	ESTER	ISO22	23,85	Fan	ARI LBP

## R134a | M/HBP - HBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT	COOLING TYPE	TEST CONDITION
							A		OIL CHARGE FL. OZ.	TYPE	VISCOSITY	LB.		
EM55HHR	0,28	1/6	220-240V 50-60Hz	HBP	LST	RSIR	24,5	Capillary Tube	5,41	ESTER	ISO22	16,53	Fan	ARI HBP
EM65HHR	0,34	1/6+	220-240V 50-60Hz	M/HBP	LST	RSIR/ CSIR	14,3	Capillary Tube	5,41	ESTER	ISO22	16,78	Fan	ARI HBP
NEK6187Z	0,61	1/3	220-240V 50-60Hz	HBP	HST	CSIR	16,1	Capillary tube / Expansion valve	11,83	ESTER	ISO22	24,25	Fan	ARI HBP
FFI12HBX	0,68	1/3+	220-240V 50-60Hz	M/HBP	HST	CSIR	19	Capillary Tube / Expansion Valve	9,46	ESTER	ISO22	24,14	Fan	ARI HBP
NEU6210Z	0,74	1/2	220-240V 50-60Hz	HBP	HST	CSIR	18,5	Capillary tube / Expansion valve	11,83	ESTER	ISO22	23,37	Fan	ARI HBP
NEU6212Z	0,87	1/2	220-240V 50-60Hz	HBP	HST	CSIR	20	Capillary tube / Expansion valve	11,83	ESTER	ISO22	24,56	Fan	ARI HBP
NEU6214Z	1,03	1/2	220-240V 50-60Hz	HBP	HST	CSIR	22	Capillary tube / Expansion valve	11,83	ESTER	ISO22	25,57	Fan	ARI HBP
NT6215Z	1,06	1/2+	220-240V 50-60Hz	HBP	HST	CSIR	20,7	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,48	Fan	ARI HBP
NT6217Z	1,25	3/4+	220-240V 50-60Hz	HBP	HST	CSIR	25	Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,48	Fan	ARI HBP
NTU6222ZV	1,45	3/4	220-240V 50-60Hz	M/HBP	HST	CSCR	30	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,34	Fan	ARI HBP
NJ6220Z	1,59	1	220-240V 50Hz	HBP	HST	CSIR	36	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	45,19	Fan	ARI HBP
NTU6224ZV	1,7	1 1/4	220-240V 50-60Hz	M/HBP	HST	CSCR	30	Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,34	Fan	ARI HBP
NJ6226Z	2,1	1 1/4	220-240V 50-60Hz	HBP	HST	CSCR	35	Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	43,65	Fan	ARI HBP



MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23	32	IN.			
EMIS30HHR	-	170	221	292	200	71	0,83	2,82	373	499	656	716	-	6,54	DWG01	SM07	
EM45HHR	-	190	252	335	227	75	0,87	3,03	424	558	734	801	-	6,73	DWG01	SM07	
EMIS55HER	-	292	378	493	344	88	0,83	3,9	609	779	978	-	-	6,54	DWG01	SM07	
EMI60HER	-	343	420	531	390	120	1,06	3,24	644	814	1015	-	-	6,54	DWG01	SM07	
EM2U60HLP	-	333	425	581	395	87	0,57	4,53	746	990	-	-	-	6,73	DWG01	SM07	
EMI70HER	-	376	467	510	439	118	1,08	3,73	796	1050	1366	-	-	6,54	DWG01	SM07	
FFU570HAK	-	347	463	633	417	113	1,02	3,69	810	1081	1409	1667	2012	7,91	DWG04	SM05	
FFU70HAK	-	337	435	588	386	99	1,07	3,88	750	1000	1301	1537	-	7,91	DWG04	SM05	
FFU80HAK	-	355	470	628	419	110	1,12	3,82	822	1055	1328	1646	-	7,91	DWG04	SM05	
FFUS80HAK	-	365	500	676	453	125	1,07	3,62	887	1140	1437	1785	2177	7,91	DWG04	SM05	
FFUS100HAK	-	430	573	754	522	130	1,3	4,01	979	1255	1587	1982	2443	7,91	DWG04	SM05	
FFU100HAK	-	418	539	701	483	114	1,36	4,22	907	1161	1466	1827	-	7,91	DWG04	SM05	
FFU130HAX	-	582	716	950	664	167	2,02	3,57	1221	1548	1935	2381	-	7,91	DWG04	SM05	
FFUS130HAX	-	599	762	1023	717	190	1,93	3,39	1317	1674	2094	2583	3142	7,91	DWG04	SM05	
FFI12HBK	-	594	822	1112	740	262	2,02	2,82	1471	1904	2416	3016	-	7,95	DWG04	SM05	
NEU4130Z	-	597	802	1065	728	195	1,83	3,73	1389	1774	2221	2733	3306	7,4	DWG05	SM06	
FFU160HAX	-	682	880	1126	810	205	2,14	3,95	1426	1808	2280	2859	3562	7,95	DWG04	SM05	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS												DRAWINGS		
	ARI MBP RATED POINT 20°F / CONDENSING TEMPERATURE 110°F ARI HBP RATED POINT 45°F / CONDENSING TEMPERATURE 130°F												HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50	IN.			
EM55HHR	-	-	-	891	1085	1321	1433	200	1,23	7,18	1587	6,54	DWG01	SM07	
EM65HHR	-	-	-	1102	1293	1539	1664	245	1,91	6,79	1846	6,54	DWG01	SM07	
NEK6187Z	-	1133	1464	1856	2320	2856	3118	441	2,56	7,06	3470	8,14	DWG05	SM06	
FFI12HBX	-	-	-	2051	2566	3177	3465	490	2,8	7,08	3852	7,81	DWG04	SM05	
NEU6210Z	-	1375	1781	2255	2812	3457	3771	483	3,05	7,81	4194	7,91	DWG05	SM06	
NEU6212Z	-	1549	2051	2627	3296	4060	4434	621	3,81	7,14	4934	7,91	DWG05	SM06	
NEU6214Z	-	1928	2470	3112	3856	4719	5143	682	4,03	7,54	5709	8,14	DWG05	SM06	
NT6215Z	-	1662	2221	2876	3637	4514	4942	704	4,4	7,03	5514	8,66	DWG07	SM21	
NT6217Z	-	2221	2805	3521	4391	5429	5950	720	4,71	8,26	6654	8,66	DWG07	SM21	
NTU6222ZV	-	2805	3562	4456	5504	6722	7322	790	3,71	9,26	8128	9,84	DWG08	SM26	
NJ6220Z	-	2039	2927	3980	5199	6587	7262	1073	5,69	6,76	8153	10,43	DWG09	SM16	
NTU6224ZV	-	3450	4344	5391	6609	8012	8701	942	4,26	9,23	9622	9,84	DWG08	SM26	
NJ6226Z	-	3023	4050	5238	6600	8155	8910	1248	5,92	7,14	9912	9,96	DWG09	SM16	

## R404A | LBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA		EXPANSION DEVICE	LUBRICANT			WEIGHT LB.	COOLING TYPE	TEST CONDITION
							A			OIL CHARGE FL. OZ.	TYPE	VISCOSITY			
NEU2140GK	0,53	1/2	220-240V 50-60Hz	LBP	HST	CSIR	13,5		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	23,4	Fan	ARI LBP
NEU2155GK	0,74	3/4	220-240V 50-60Hz	LBP	HST	CSIR	18		Capillary Tube / Expansion Valve	11,8	ESTER	ISO22	24,47	Fan	ARI LBP
NEU2168GKA	0,83	3/4	220-240V 50Hz	LBP	HST	CSIR	24,80		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,37	Fan	ARI LBP
NEU2168GK	0,87	3/4	220-240V 50-60Hz	LBP	HST	CSIR	21		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	-	Fan	ARI LBP
NEU2168GJ	0,87	3/4	220-240V 50Hz	LBP	HST	CSR	22		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI LBP
NEU2178GKA	0,96	1	220-240V 50-60Hz	LBP	HST	CSCR			Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,32	Fan	ARI LBP
NEU2178GK	1,02	1	220-240V 50-60Hz	LBP	HST	CSR	21		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	25,57	Fan	ARI LBP
NEU2183GKA	1,03	1	220-240V 50Hz	LBP	HST	CSCR	24,80		Capillary Tube / Expansion Valve	11,83	ESTER	ISO22	24,70	Fan	ARI LBP
NT2178GK	1,06	1	220-240V 50-60Hz	LBP	HST	CSCR/CSIR	25		Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	37,48	Fan	ARI LBP
NT2180GK	1,25	1	220-240V 50-60Hz	LBP	HST	CSIR	35		Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	38,36	Fan	ARI LBP
NT2192GK	1,37	1+	220-240V 50-60Hz	LBP	HST	CSIR	35		Capillary Tube / Expansion Valve	15,2	ESTER	ISO22	38,58	Fan	ARI LBP
NJ2192GS	1,59	1 1/4	220-240V 50Hz	LBP	HST	3PHASE	15		Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	43,43	Fan	ARI LBP
NJ2192GJ	1,59	1 1/4	220-240V 50-60Hz	LBP	HST	CSR	-		Capillary Tube / Expansion Valve	25,36	ESTER	ISO22	46,3	Fan	ARI LBP
NT2212GK	1,7	1 1/2	220-240V 50-60Hz	LBP	HST	CSCR	33		Capillary Tube / Expansion Valve	21,9	ESTER	ISO22	40,34	Fan	ARI LBP
NJ2212GJ	2,1	1 1/2	220-240V 50-60Hz	LBP	HST	CSCR	36		Capillary Tube / Expansion Valve	25,36	ESTER	ISO22	47,4	Fan	ARI LBP
NJ2212GS	2,1	1 1/2	220-240V 50Hz	LBP	HST	3PHASE	13		Capillary Tube / Expansion Valve	25,3	ESTER	ISO22	44,97	Fan	ARI LBP
NJ2212GK	2,1	1 1/2	220-240V 50Hz	LBP	HST	CSCR	36		Capillary Tube / Expansion Valve	30,1	ESTER	ISO22	47,28	Fan	ARI LBP

## R404A | MBP | 50Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA		EXPANSION DEVICE	LUBRICANT			WEIGHT LB.	COOLING TYPE	TEST CONDITION
							A			OIL CHARGE FL. OZ.	TYPE	VISCOSITY			
NEU6210GK	0.44	1/2	220-240V 50Hz	MBP	HST	CSIR / CSR	16		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	22	Fan	ARI MBP
NEU6212GK	0.54	1/2	220-240V 50Hz	MBP	HST	CSIR	19		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	23.37	Fan	ARI MBP
NEU6214GK	0.61	1/2	220-240V 50Hz	MBP	HST	CSIR	26		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.57	Fan	ARI MBP
NEU6215GK	0.74	3/4	220-240V 50Hz	MBP	HST	CSIR	22		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.35	Fan	ARI MBP
NEU6220GK	0.87	3/4	220-240V 50Hz	MBP	HST	CSR	25		Capillary Tube / Expansion Valve	11.83	ESTER	ISO22	25.35	Fan	ARI MBP
NT6220GK	0.88	3/4	220-240V 50Hz	MBP	HST	CSIR	29.5		Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.42	Fan	ARI MBP
NT6222GK	1.06	1	220-240V 50Hz	MBP	HST	CSIR	30		Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.92	Fan	ARI MBP
NT6224GK	1.25	1	220-240V 50Hz	MBP	HST	CSCR	29		Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	37.92	Fan	ARI MBP
NTU6232GKV	1.26	1+	220-240V 50Hz	MBP	HST	CSCR	37.5		Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.56	Fan	ARI MBP
NT6226GK	1.37	1+	220-240V 50Hz	MBP	HST	CSCR	38		Capillary Tube / Expansion Valve	15.2	ESTER	ISO22	38.58	Fan	ARI MBP
NTU6234GKV	1.45	1 1/4	220-240V 50Hz	MBP	HST	CSCR	37.5		Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	39.9	Fan	ARI MBP
NJ9232GK	1.59	1 1/4	220-240V 50Hz	MBP	HST	CSCR	43		Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	47.73	Fan	ARI MBP
NTU6238GKV	1.6	1 1/2	220-240V 50Hz	MBP	HST	CSCR	37.5		Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	39.9	Fan	ARI MBP
NTU6240GKV	1.7	1 1/2	220-240V 50Hz	MBP	HST	CSCR	37.5		Capillary Tube / Expansion Valve	21.9	ESTER	ISO22	40.34	Fan	ARI MBP
NJ9238GK	1.99	1 1/2	220-240V 50Hz	MBP	HST	CSCR	43		Capillary Tube / Expansion Valve	25.3	ESTER	ISO22	48.72	Fan	ARI MBP

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS														DRAWINGS		
	ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F														HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-40	-31	-22	-13	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	-4	5	14	23	32	IN.			
NEU2140GK	638	853	1123	1447	1028	265	2,06	3,88	1822	2255	2743	-	7,91	7,91	SM06	SM07	
NEU2155GK	853	1136	1491	1921	1365	373	3,06	3,66	2426	3006	3665	-	8,15	8,15	SM06	SM07	
NEU2168GKA	1159	1505	1955	2503	2072	399	3,30	3,87	3145	3894	4716	-	8,14	8,14	SM06	SM07	
NEU2168GK	969	1297	1710	2204	1564	419	3,37	3,73	2778	3439	4159	-	8,14	8,14	SM06	SM07	
NEU2168GJ	1003	1344	1766	2273	1617	399	2,55	4,05	2863	2542	4320	-	8,14	8,14	SM06	SM07	
NEU2178GKA	1305	1715	2232	2855	1780	443	3,00	4,02	3578	4403	5329	-	8,14	8,14	SM06	SM07	
NEU2178GK	1157	1539	2017	2590	1847	476	3,00	3,88	3255	4009	4856	-	8,14	8,14	SM06	SM05	
NEU2183GKA	1516	1912	2543	3212	2123	487	2,96	4,36	3987	4812	5998	-	8,14	8,14	SM06	SM05	
NT2178GK	1037	1396	1860	2433	1694	471	3,82	3,6	3119	3921	4842	-	8,66	8,66	SM21	SM05	
NT2180GK	1273	1703	2252	2917	2055	551	4,3	3,73	3699	4596	5606	-	8,66	8,66	SM21	SM05	
NT2192GK	1355	1826	2412	3115	2205	586	4,92	3,76	3934	4873	5927	-	9,21	9,21	SM21	SM05	
NJ2192GS	1350	1903	2575	3393	2349	677	1,89	3,47	4384	5569	6972	-	10,4	10,4	SM16	SM05	
NJ2192GJ	1440	1993	2699	3559	2446	702	5,1	3,49	4576	5750	7080	-	10,9	10,9	SM16	SM05	
NT2212GK	1774	2371	3115	4013	2852	757	5,06	3,87	5067	6289	7684	-	9,11	9,11	SM21	SM05	
NJ2212GJ	1829	2583	3542	4688	3200	861	6,03	3,72	6005	7473	9070	-	10,9	10,9	SM16	SM05	
NJ2212GS	1130	2244	3342	4473	3046	878	2,11	3,47	5673	6963	8358	-	10,8	10,8	SM16	SM06	
NJ2212GK	1829	2583	3542	4688	3200	861	5,47	3,72	6005	7473	9070	-	10,8	10,8	SM16	SM05	

MODEL	COOLING CAPACITY SUBCOOLED CONDITIONS											DRAWINGS		
	ARI MBP - RATED POINT 20°F / CONDENSING TEMPERATURE 110°F											HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
	-4	5	14	23	32	41	CAP. BTU/H	ENERGY CON. W	CURRENT A	EFFICIENCY BTU/WH	50			
NEU6210GK	1375	1747	2180	2679	3242	3869	2508	382	2.89	6.56	4562	7.91	DWG05	SM06
NEU6212GK	1723	2170	2685	3272	3934	4678	3068	474	3.76	6.47	5500	7.91	DWG05	SM06
NEU6214GK	1987	2448	2997	3667	4475	-	3430	527	4.47	6.51	-	8.14	DWG05	SM06
NEU6215GK	2447	3047	3736	4525	5415	6408	4252	614	5.05	6.93	7514	8.14	DWG05	SM06
NEU6220GK	2853	3549	4357	5289	6340	7517	4965	758	5.16	6.55	8820	8.14	DWG05	SM06
NT6220GK	2385	3044	3835	4767	5835	7050	4440	684	6.8	6.5	8411	8.66	DWG07	SM21
NT6222GK	2849	3672	4637	5705	6831	7974	5340	819	7.03	6.52	9090	8.66	DWG07	SM21
NT6224GK	3484	4436	5555	6838	8285	9899	6392	972	6.16	6.58	11673	9.21	DWG07	SM21
NTU6232GKV	4088	5019	6152	7493	9070	10892	7021	908	5.81	7.73	12980	9.84	DWG08	SM26
NT6226GK	3921	4985	6217	7575	9022	10520	7111	1034	8.42	6.88	12031	9.21	DWG16	SM21
NTU6234GKV	4743	5954	7336	8872	10540	12318	8345	1066	6.65	7.83	14184	9.84	DWG08	SM26
NJ9232GK	3910	5224	6753	8496	10455	-	7891	1254	7.13	6.29	-	10.91	DWG09	SM16
NTU6238GKV	5309	6558	8063	9820	11820	14055	9208	1554	7.44	7.83	16518	9.84	DWG08	SM26
NTU6240GKV	5664	6954	8530	10390	12533	14952	9740	1256	7.99	7.75	17651	9.84	DWG08	SM26
NJ9238GK	5347	6838	8561	10489	12608	-	9825	1636	9.52	6.01	-	10.91	DWG09	SM16

General Data &  
Performance Reciprocating

# Compressors Variable Speed

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## R290 | LBP - L/MBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT LB.	COOLING TYPE	TEST CONDITION
									OIL CHARGE FL. OZ.	TYPE	VISCOSITY			
VEMT404U	0,26	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	2,80	Capillary Tube / Expansion Valve	7,44	ALQUILB	ISO22	7,18	Fan	ARI LBP
VEMT404U	0,26	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	2,80	Capillary Tube / Expansion Valve	7,44	ALQUILB	ISO22	7,18	Fan	ARI MBP
FMFT406U	0,39	1/2	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,28	Fan	ARI LBP
FMFT406U	0,39	1/2	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,28	Fan	ARI MBP
VEMT406U	0,40	1/2	230 V 53-150 Hz	L/MBP	LST/HST	BPM	2,15	Capillary Tube / Expansion Valve	7,44	ALQUILB	ISO22	7,18	Fan	ARI LBP
VEMT406U	0,40	1/2	230 V 53-150 Hz	L/MBP	LST/HST	BPM	2,15	Capillary Tube / Expansion Valve	7,44	ALQUILB	ISO22	7,18	Fan	ARI MBP
FMFT408U	0,49	1/2	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,28	Fan	ARI LBP
FMFT408U	0,49	1/2	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,28	Fan	ARI MBP
VEHT409U*	0,55	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	9,13	ALQUILB	ISO22	7,25	Fan	ASHRAELBP32
VEHT409U*	0,55	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	9,13	ALQUILB	ISO22	7,25	Fan	ARI MBP
FMFD413UE	0,66	1	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	10,87	Fan	ARI LBP
FMFD413UE	0,66	1	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	10,87	Fan	ARI MBP
FMFT411U	0,68	3/4	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,80	Fan	ARI LBP
FMFT411U	0,68	3/4	230 V 53-150 Hz	L/MBP	HST	BPM	3,30	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,80	Fan	ARI LBP
VEHU413U*	0,78	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	9,13	ALQUILB	ISO22	7,25	Fan	ASHRAELBP32
VEHU413U*	0,78	1/3+	230 V 53-150 Hz	L/MBP	LST/HST	BPM	-	Capillary Tube / Expansion Valve	9,13	ALQUILB	ISO22	7,25	Fan	ARI MBP
FMFT213U	0,79	1	230 V 53-150 Hz	LBP	HST	BPM	-	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,80	Fan	ARI LBP
FMFT413U	0,79	1/2	230 V 53-150 Hz	LBP	LST	BPM	-	Capillary Tube	14,54	ESTER	ISO22	23,96	Fan	ARI LBP
VNEU213U	0,83	3/4+	230 V 53-150 Hz	LBP	HST	BPM	-	Capillary Tube / Expansion Valve	16,9	ESTER	ISO22	25,13	Fan	ARI LBP
VNEK213U	0,83	3/4+	230 V 53-150 Hz	LBP	HST	BPM	6,2	Capillary Tube / Expansion Valve	16,9	ESTER	ISO22	25,57	Fan	ARI LBP
FMFT415U	0,90	1 1/4	230 V 53-150 Hz	L/MBP	LST/HST	BPM	7,00	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,87	Fan	ARI LBP
FMFT415U	0,90	1 1/4	230 V 53-150 Hz	L/MBP	LST/HST	BPM	7,00	Capillary Tube / Expansion Valve	14,54	ESTER	ISO22	10,87	Fan	ARI MBP
VNEU217U	1,92	1	230 V 53-150 Hz	LBP	HST	BPM	-	Capillary Tube / Expansion Valve	16,9	ESTER	ISO22	24,91	Fan	ARI LBP

\*Compressors on development stage.

## R134a | LBP L/MBP L/M/HBP | 60Hz

MODEL	DISPL. in <sup>3</sup>	HP	VOLTAGE / FREQUENCY	APPLICATION	TORQUE	MOTOR TYPE	LRA	EXPANSION DEVICE	LUBRICANT			WEIGHT LB.	COOLING TYPE	TEST CONDITION
									OIL CHARGE FL. OZ.	TYPE	VISCOSITY			
VEMYSH	0,3	1/8	100-127V 50-60Hz 220-240V 50-60Hz	LBP	LST	BPM	2,2	Capillary Tube	7,44	ESTER	ISO10	16,53	Static / Fan	ARI LBP
VEMY6HH	0,35	1/6	100-127V 50-60Hz 220-240V 50-60Hz	L/M/HBP	LST	BPM	4	Capillary Tube	7,44	ESTER	ISO10	16,53	Static / Fan	ARI LBP
VEMY6HH	0,35	1/6	100-127V 50-60Hz 220-240V 50-60Hz	L/M/HBP	LST	BPM	4	Capillary Tube	7,44	ESTER	ISO10	16,53	Static / Fan	ARI MBP
FMFT411Z	0,66	3/4	230 V 53-150 Hz	L/MBP	LST/HST	BPM	6,50	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	23,97	Fan	ARI LBP
FMFT411Z	0,66	3/4	230 V 53-150 Hz	L/MBP	LST/HST	BPM	6,50	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	23,97	Fan	ARI MBP
FMFT415Z	0,90	1/2	230 V 53-150 Hz	L/MBP	LST/HST	BPM	6,50	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	23,97	Fan	ARI LBP
FMFT415Z	0,90	1/2	230 V 53-150 Hz	L/MBP	LST/HST	BPM	6,50	Capillary Tube / Expansion Valve	14,54	ESTER	ISO10	23,97	Fan	ARI MBP

MODEL	ROTATE SPEED	COOLING CAPACITY SUBCOOLED CONDITIONS													DRAWINGS		
		ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20°F / CONDENSING TEMPERATURE 110°F													HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
						CAP.	ENERGY CON.	EFFICIENCY									
		RPM	-40	-31	-22	-13	BTU/H	W	BTU/WH	-4	5	14	23	32			
VEMT404U	4500	522	669	839	1048	780	144	5,43	1293	1576	1900	2276	2699	6,73	DWG01	CON02	
VEMT404U	4500	454	590	761	962	2001	247	8,11	1201	1471	1778	2119	2501	6,73	DWG01	CON02	
FMFT406U	4500	703	911	1170	1481	1122	225	4,98	1846	2259	2723	3235	3794	7,96	DWG04	CON10	
FMFT406U	4500	720	932	1201	1518	3126	362	8,63	1890	2313	2784	3306	3873	7,96	DWG04	CON10	
VEMT406U	4500	623	780	995	1439	1085	191	5,67	1789	2186	2635	3157	3743	6,73	DWG01	CON02	
VEMT406U	4500	638	798	1022	1475	2434	713	6,57	1832	2238	2694	3226	3821	6,73	DWG01	CON02	
FMFT408U	4500	976	1211	1512	1870	1456	290	5,02	2286	2750	3262	3818	4412	7,96	DWG04	CON10	
FMFT408U	4500	1000	1242	1553	1918	3710	438	8,36	2341	2818	3337	3904	4504	7,96	DWG04	CON10	
VEHT409U*	4500	-	-	-	-	2304	389	5,93	-	-	-	-	-	6,73	DWG01	CON04	
VEHT409U*	4500	-	-	-	-	3509	498	7,05	-	-	-	-	-	6,73	DWG01	CON04	
FMFD413UE	5000	1409	1791	2262	2825	2096	395	5,31	3474	4200	5006	5886	6855	7,96	DWG04	CON10	
FMFD413UE	5000	1389	1768	2235	2791	5499	674	8,15	3426	4142	4934	5794	6719	7,96	DWG04	CON10	
FMFT411U	4500	1225	1583	2010	2515	1860	366	5,08	3105	3794	4589	5497	6534	7,96	DWG04	CON10	
FMFT411U	4500	1201	1563	1989	2491	5120	613	8,35	3074	3753	4535	5432	6446	7,96	DWG04	CON10	
VEHU413U*	4500	-	-	-	-	3184	579	5,50	-	-	-	-	-	6,73	DWG01	CON04	
VEHU413U*	4500	-	-	-	-	4343	673	6,46	-	-	-	-	-	6,73	DWG01	CON04	
FMFT213U	4500	1283	1727	2310	2955	2105	421	5,00	3576	4095	4422	-	-	7,96	DWG04	CON10	
FMFT413U	4500	1430	1819	2320	2921	2141	423	5,06	3620	4412	5285	6241	7264	7,91	DWG09	CON10	
VNEU213U	4500	1372	1839	2378	2992	2190	509	4,31	3699	4507	5432	-	-	8,11	DWG22	CON07	
VNEK213U	4500	1249	1576	2003	2532	1849	516	3,58	3173	3934	4821	-	-	8,11	DWG22	CON07	
FMFT415U	5000	1942	2453	3088	3811	2865	564	5,08	4593	5391	6173	6907	7561	7,96	DWG04	CON10	
FMFT415U	5000	1904	2406	3030	3743	6532	917	7,13	4508	5289	6053	6760	7374	7,96	DWG04	CON10	
VNEU217U	4500	1689	2194	2832	3593	2604	633	4,12	4477	5477	6585	-	-	8,11	DWG22	CON07	

MODEL	ROTATE SPEED	COOLING CAPACITY SUBCOOLED CONDITIONS											DRAWINGS		
		ARI LBP RATED POINT -25°F / CONDENSING TEMPERATURE 105°F ARI MBP RATED POINT 20°F / CONDENSING TEMPERATURE 110°F											HEIGHT	EXTERNAL VIEW	WIRING DIAGRAM
					CAP.	ENERGY CON.	EFFICIENCY								
		RPM	-31	-22	-13	BTU/H	W	BTU/WH	-4	5	14	23			
VEMY5H	4500	355	485	642	438	99	4,42	-4	5	14	23	6,53	DWG01	CON02	
VEMY6HH	4500	410	543	717	495	112	4,41	829	1054	1317	-	6,53	DWG01	CON02	
VEMY6HH	4500	403	526	693	1640	204	8,03	928	1177	1467	1791	6,53	DWG01	CON02	
FMFT411Z	3600	597	833	1123	749	163	4,6	901	1150	1433	1750	7,96	DWG04	CON10	
FMFT411Z	3600	580	812	1102	2758	356	7,74	1478	1907	2416	3013	7,96	DWG04	CON10	
FMFT415Z	4500	601	839	1323	902	228	3,95	1450	1873	2375	2965	7,96	DWG04	CON10	
FMFT415Z	4500	584	817	1298	3323	499	6,65	1685	2122	2650	3286	7,96	DWG04	CON10	

# Technical Data

## Reciprocating Compressors

### Variable Speed

Embraco variable speed compressors are a solution for residential and commercial applications which demand fast cooling, low energy consumption, operate with a low starting voltage and with a wide operating range, low noise and vibration levels. The variable speed compressor associated with an inverter allows the compressor run in different RPM, delivering the cooling capacity needed according to the thermal load.

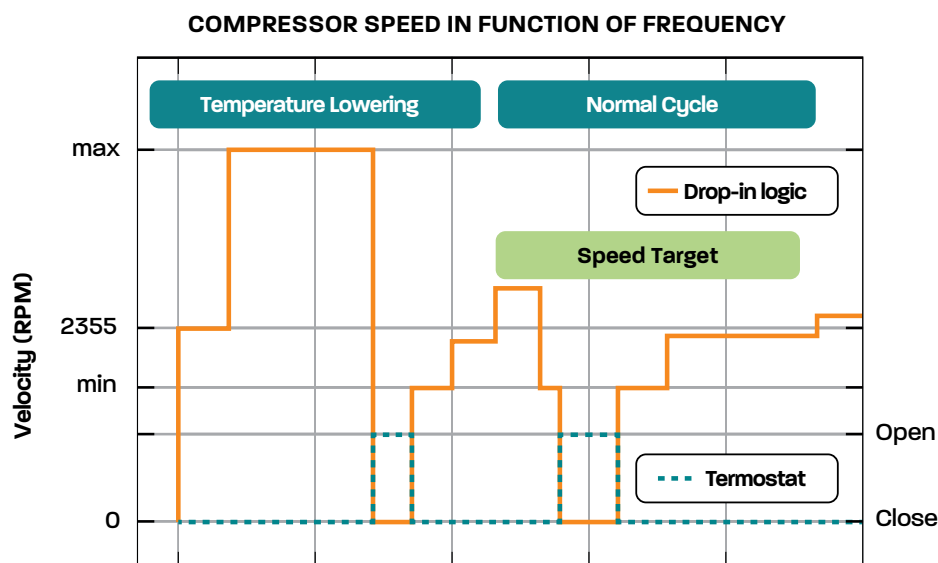
## Control Modes

### DROP-IN

Drop-In can use all kinds of inverters, where single thermostat contact is used to set the compressor running conditions. Drop-In mode allows the application to any refrigeration system with a simple ON/OFF thermostat, without the need of a rotation control signal through serial or frequency communication. The compressor speed will be adjusted automatically by the inverter, in accordance to the thermal load variation.

### SMART DROP-IN

The Smart-Drop-In was designed with focus on cooling capacity, but always considering good system efficiency. This solution provides a customization tool that allows the routine to be parameterized and adjusted for each refrigeration system. The logic is divided in four main parts: Pull-down, Stability Routine, Heavy Duty Routine and Defrost Routine. The Stability, Heavy Duty and Defrost Routine begin to run in parallel after Pull-down is completed.





Wiring































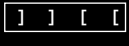





# Diagrams

think ahead

embraco  
*Nidec*

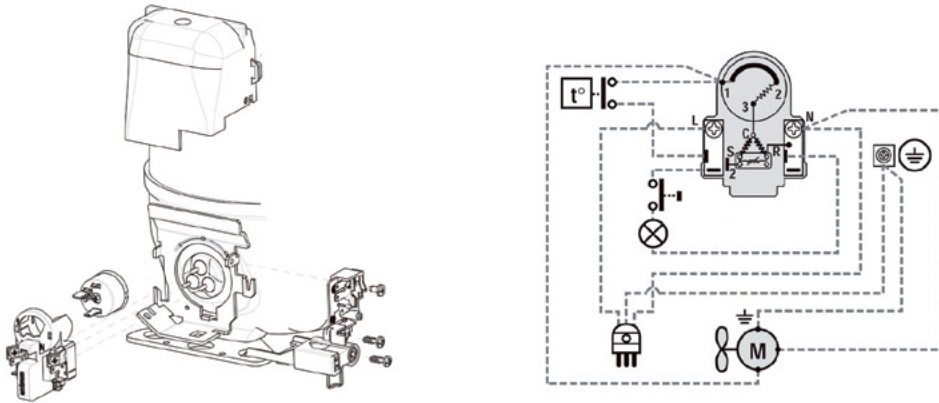
# Electrical Configurations

## Wiring Diagrams Key

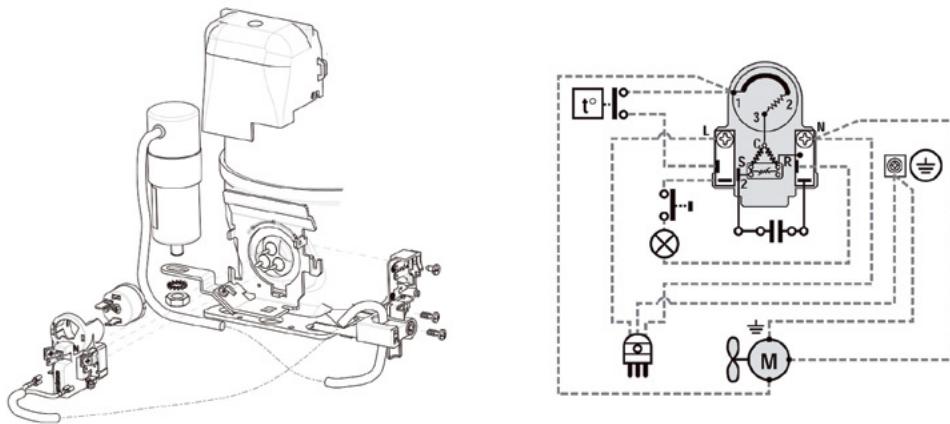
	OVERLOAD PROTECTOR		PTC START DEVICE*
	OVERLOAD PROTECTOR		INTEGRATED PTC DEVICE
	CURRENT START RELAY		CURRENT START RELAY WITH CAPACITOR CONNECTIONS
	3CR CURRENT START RELAY		3ARR3 START RELAY (VOLTAGE).
	RUN CAPACITOR		RUN CAPACITOR (MANDATORY - NOT SUPPLIED)
	OPTIONAL RUN CAPACITOR		START CAPACITOR
	FAN		PUSH BUTTON
	LAMP		SINGLE PHASE MOTOR
	3-PHASE MOTOR		THERMOSTAT
	LOW-HIGH PRESSURE SWITCH		PILOT CIRCUIT 24 OR 220 V
	EARTH CONNECTION		COMMON (INTERNAL OVERLOAD PROTECTOR)
	3-PHASE SUPPLY		START
	SINGLE PHASE SUPPLY		BROWN CABLE
	COMMON		BLACK CABLE
	RUN		RED CABLE
	TERMINAL BLOCK		CONNECTIONS TO BE MADE BY THE CUSTOMER (NOT SUPPLIED)
	WHITE CABLE		
	BLUE CABLE		
	YELLOW-GREEN CABLE		
	CONNECTIONS SUPPLIED		

## Wiring Diagrams

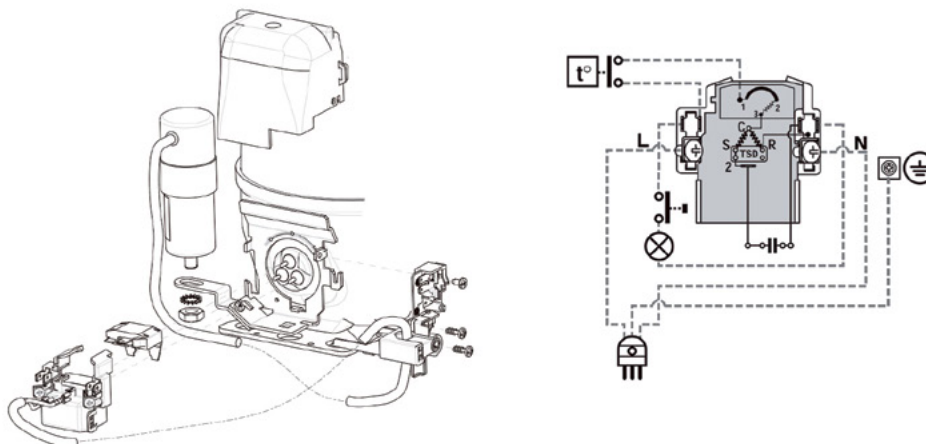
### SM00 - EMT/NE Series Rscr Ptc European Version



### SM01 - EMT/NE Series Rscr Ptc European Version

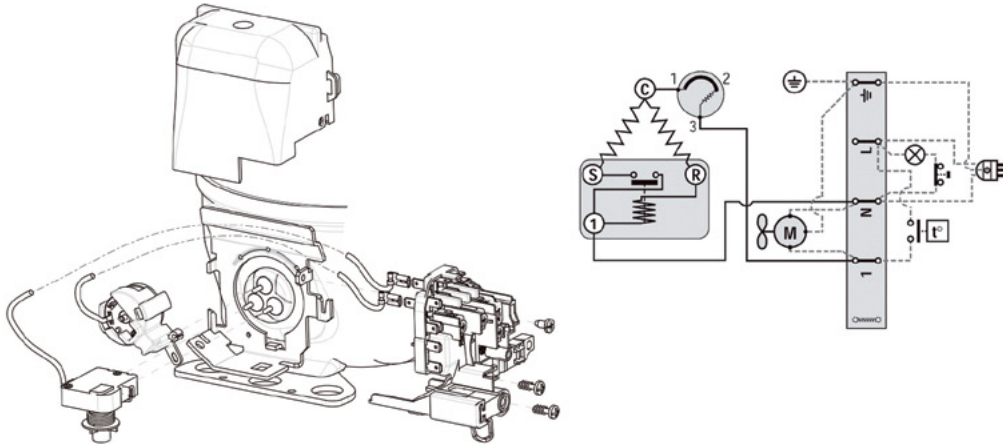


### SM02 - EMT/NE Series Rscr Tsd European Version

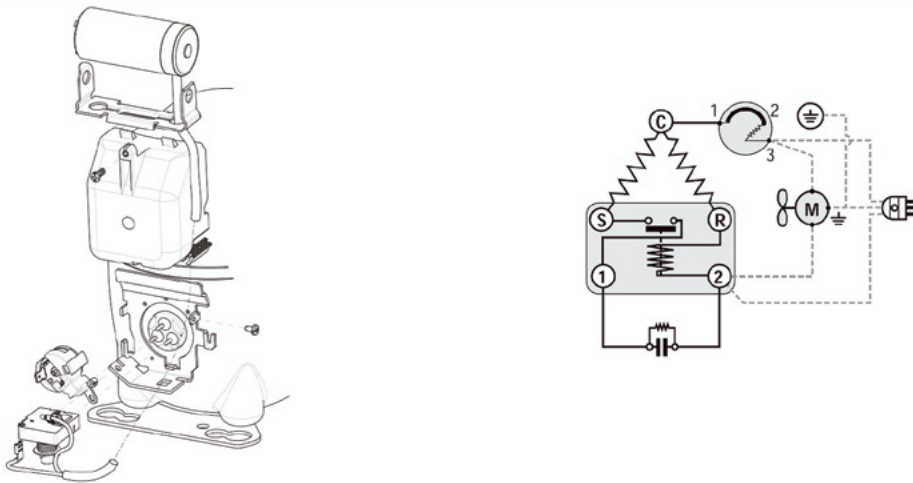


## Wiring Diagrams

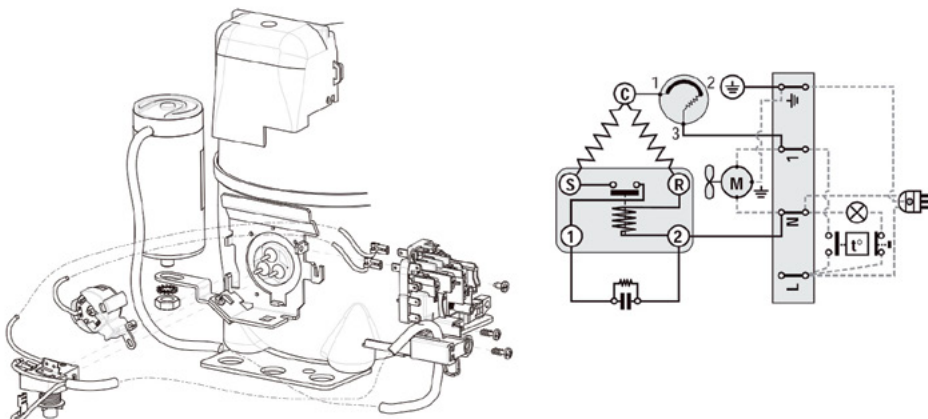
### SM03 - EMT/NE Series Rsir Terminal Board & Start Device



### SM04 - EMT/NE Series Csir American Version

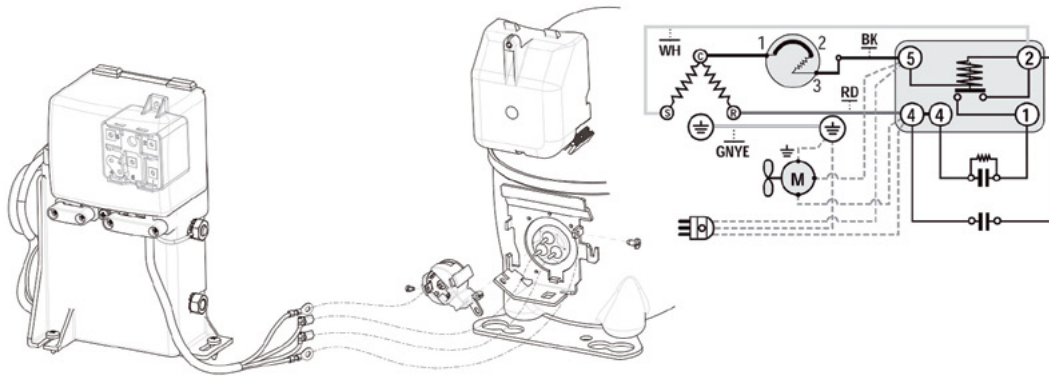


### SM05 / SM13 - EM/NE Series Csir Terminal Board & Start Device

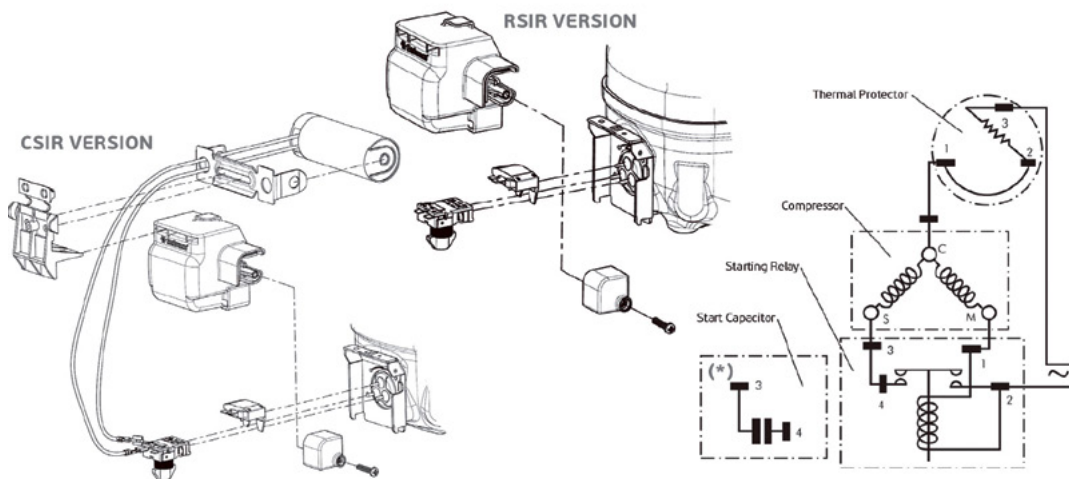


## Wiring Diagrams

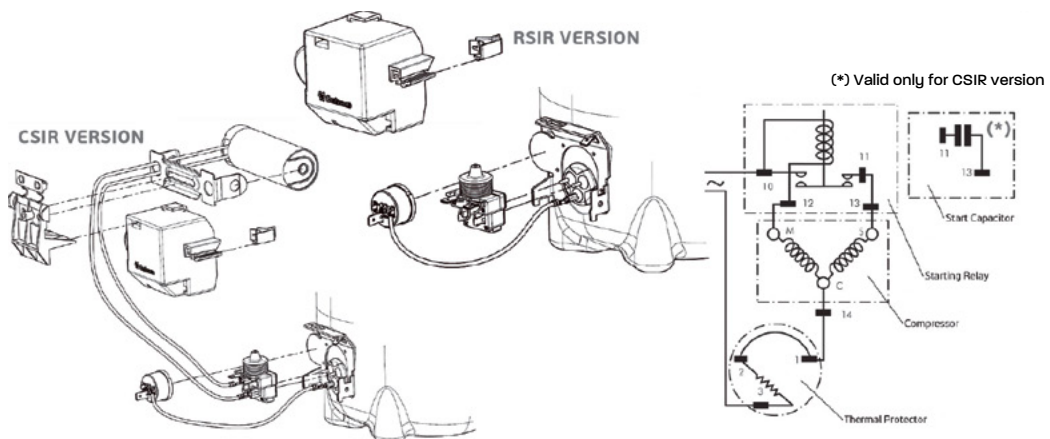
### SM06 - NE Series Csr Box



### SM07 / SM28 - EM Compressors

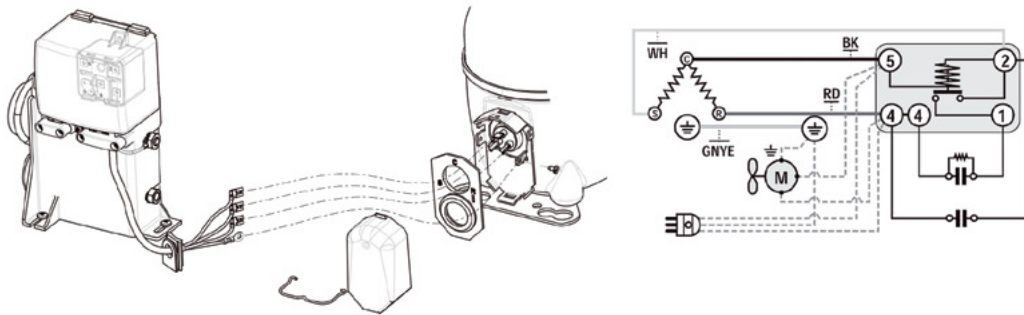


### SM05 - F Compressors

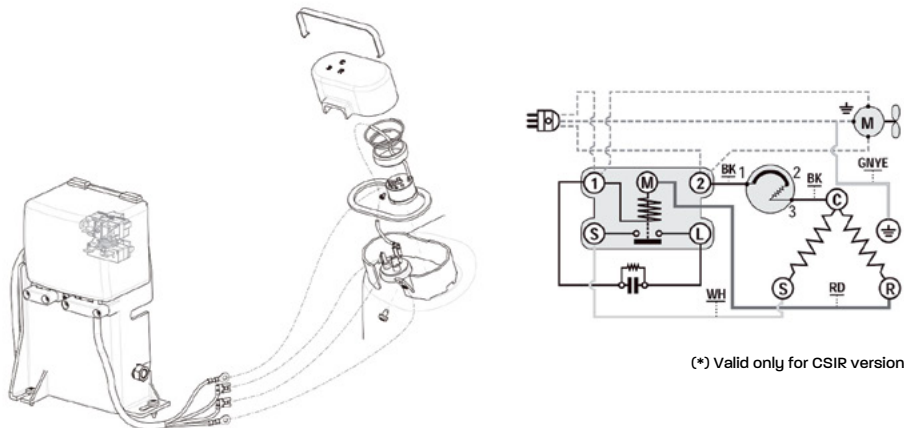


## Wiring Diagrams

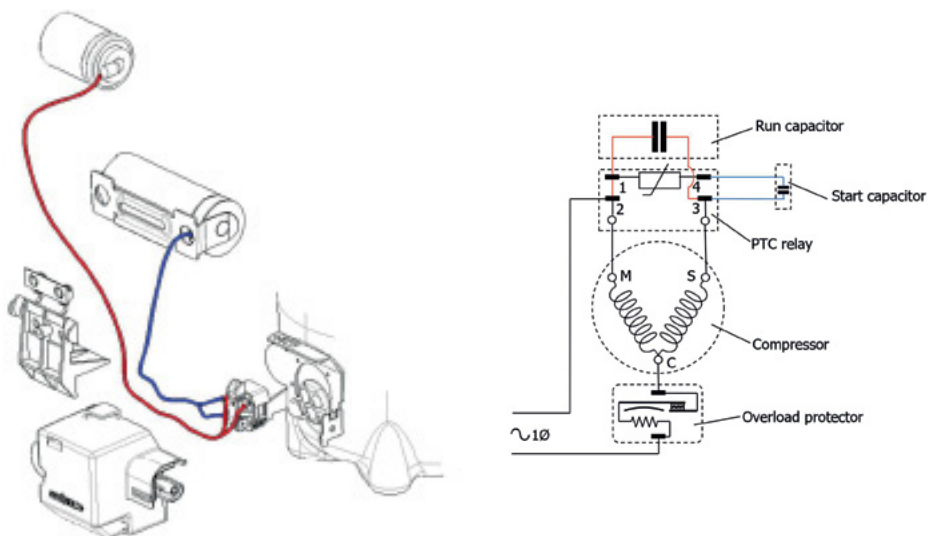
### SM10 - NE Csr Box



### SM14 - NJ Csr Box

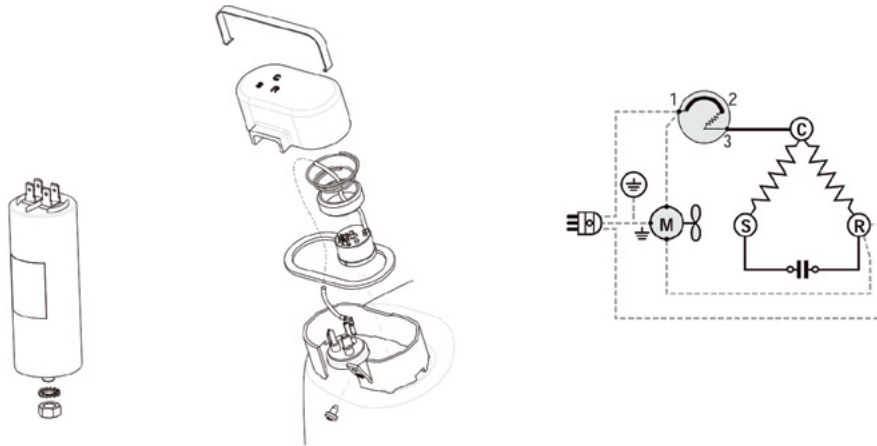


### SM 08 / SM31 / SM35 F - Compressors

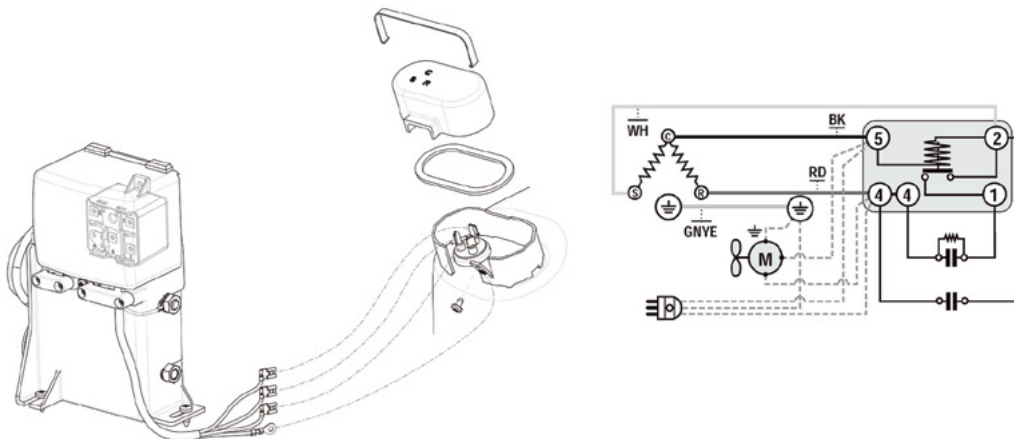


## Wiring Diagrams

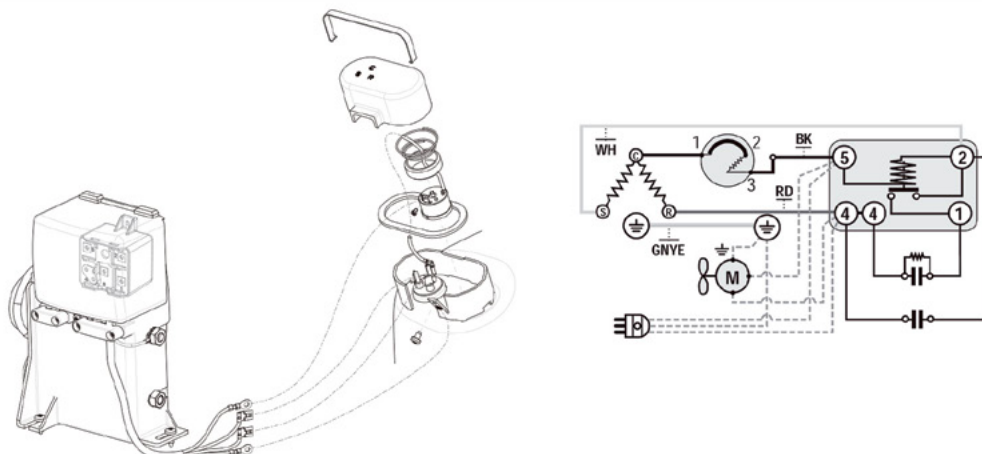
### SM15 - NJ Psc



### SM16 - NJ Series Csr Box (Internal Overload Protector)

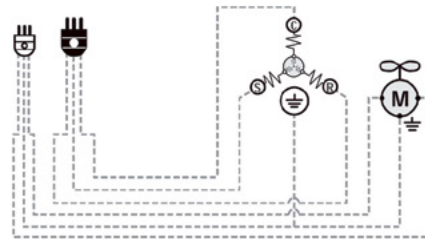


### SM17 - NJ Csr Box (External Overload Protector)

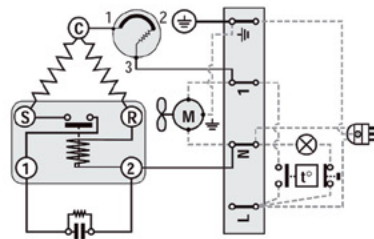
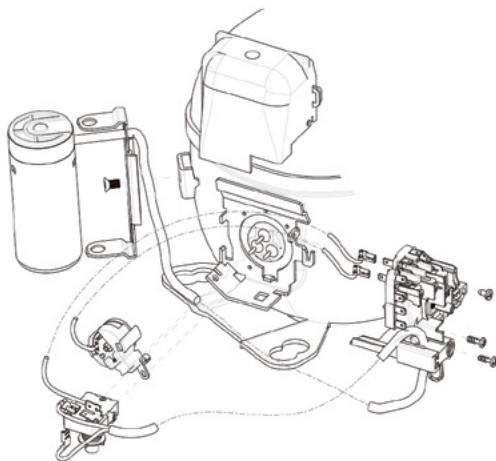


## Wiring Diagrams

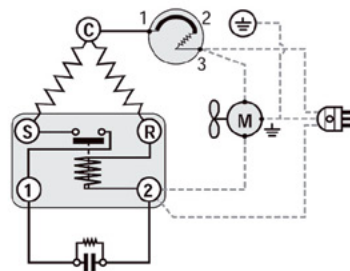
### SM18 - NJ Series 3-Phase (Internal Overload Protector)



### SM19 - NJ Series Csir Terminal Board



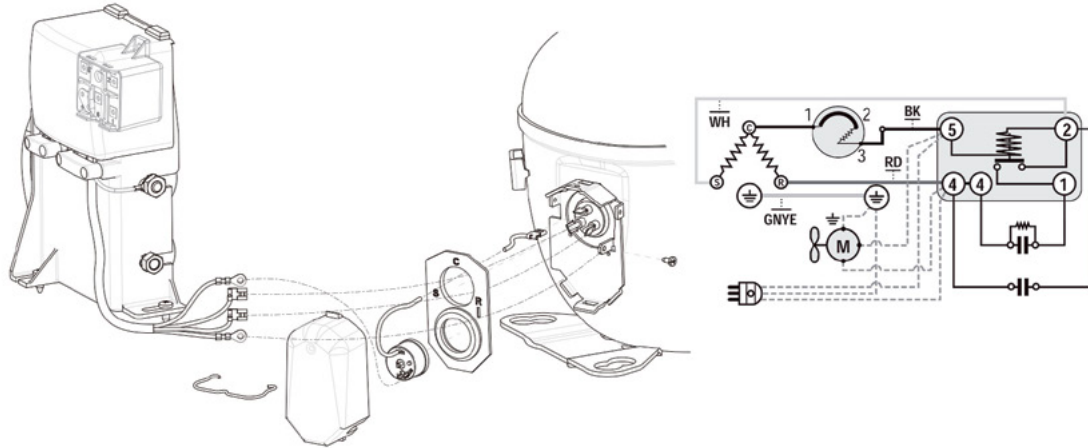
### SM20 - NJ Series Csir American Version



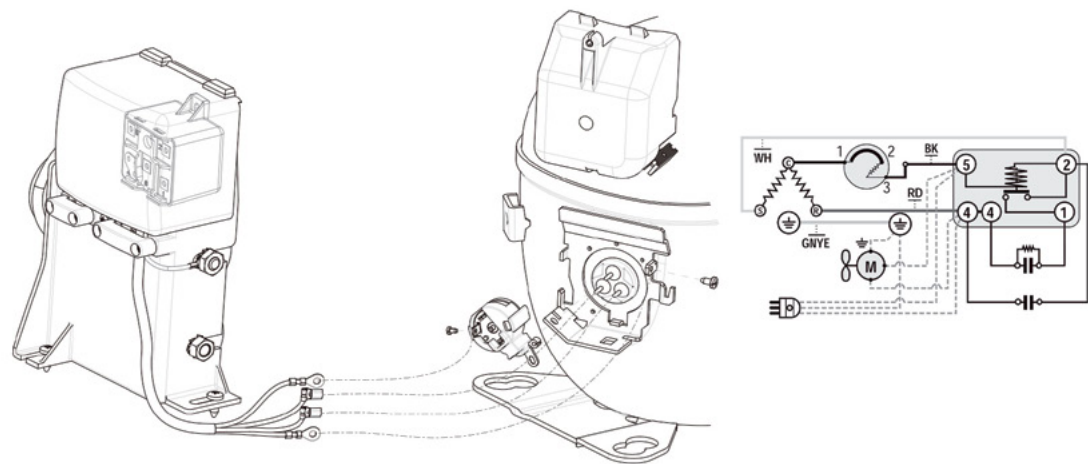


## Wiring Diagrams

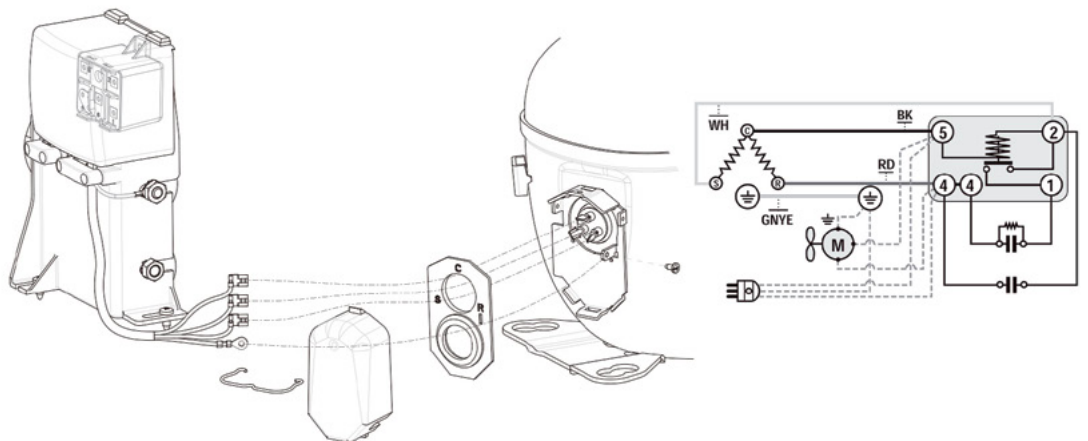
### SM21 - NT Series Csr Box



### SM23 - NJ Series Csr Box

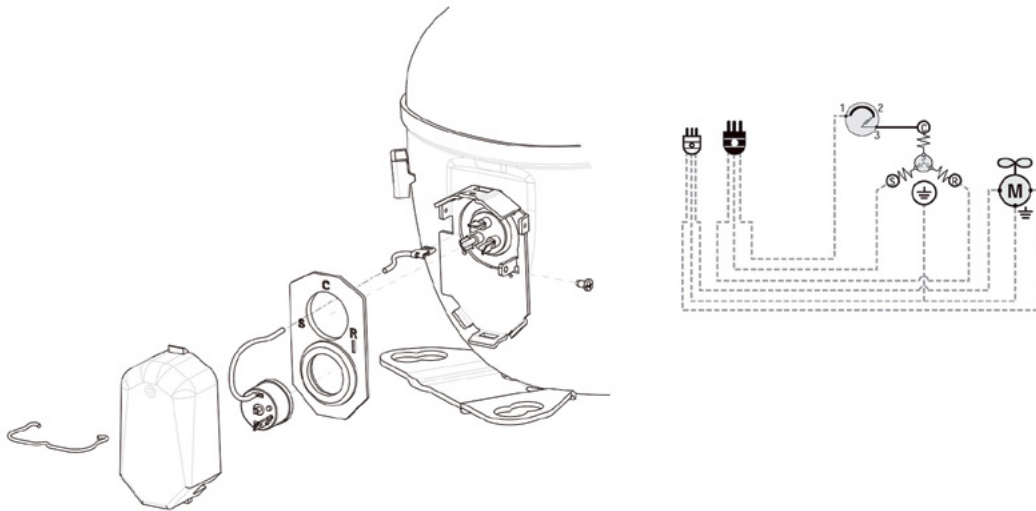


### SM26 - NT Series Csr Box (Internal Overload Protector)

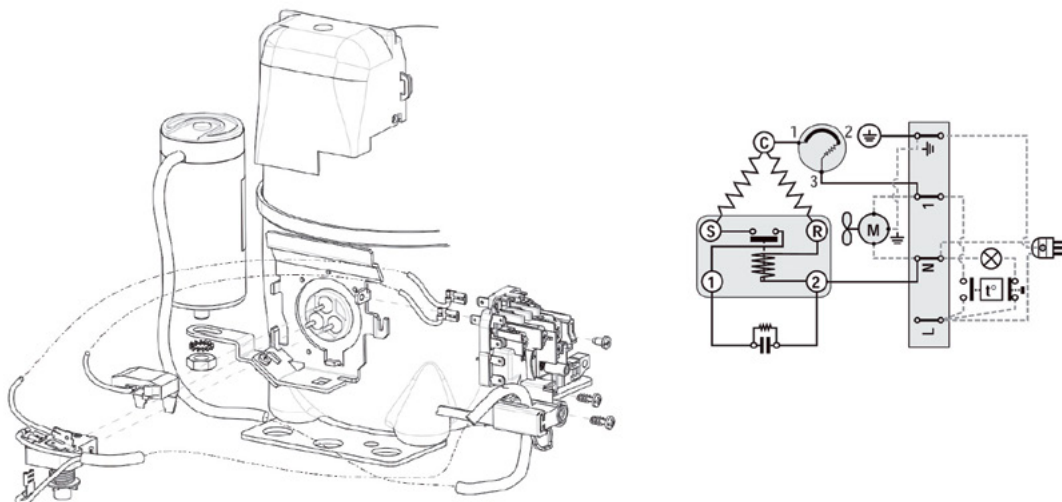


## Wiring Diagrams

### SM27 - NT Series 3-Phase (Internal + External Overload Protector)

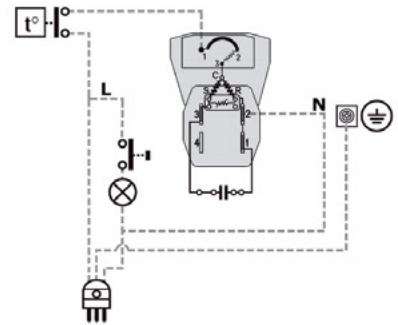
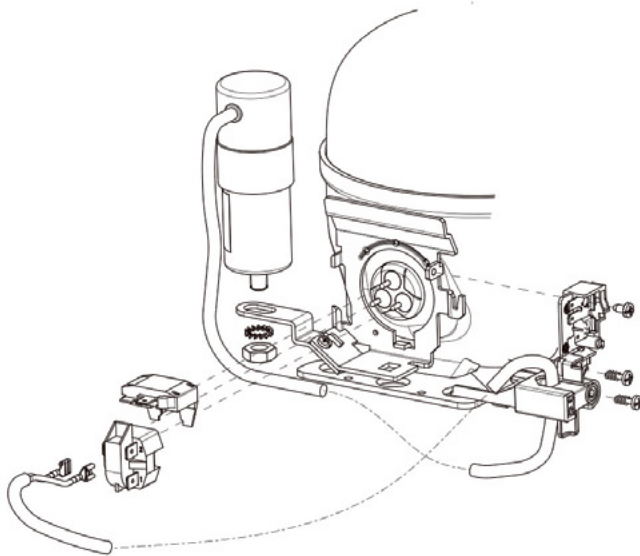


### SM19 - NJ Series Csir Terminal Board



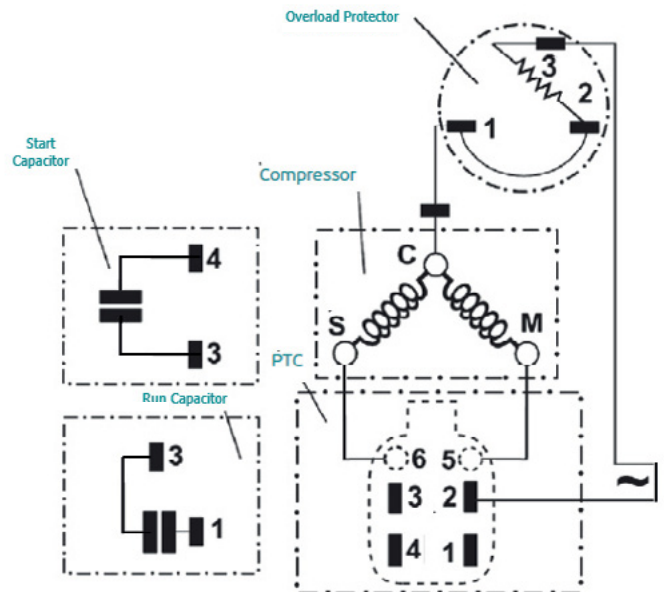
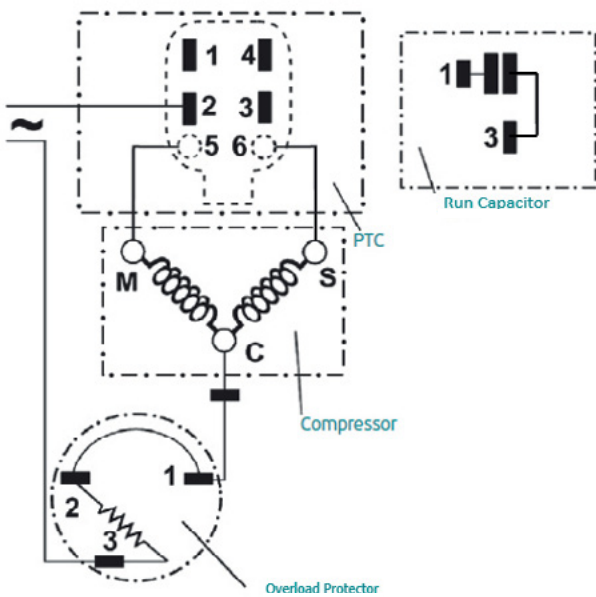
## Wiring Diagrams

### SM32 - EMR Rscr Ptc & 4tm



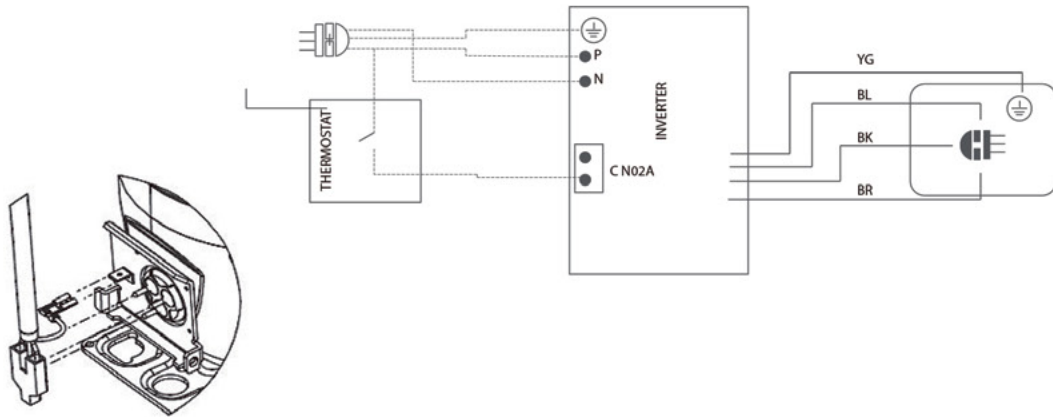
### SM34 - EG,F Rscr

### SM33 - EM Cscr

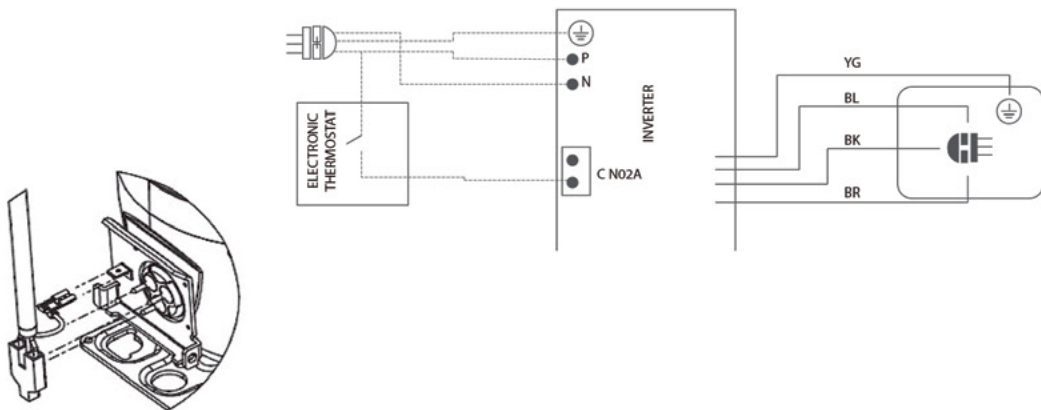


## Wiring Diagrams

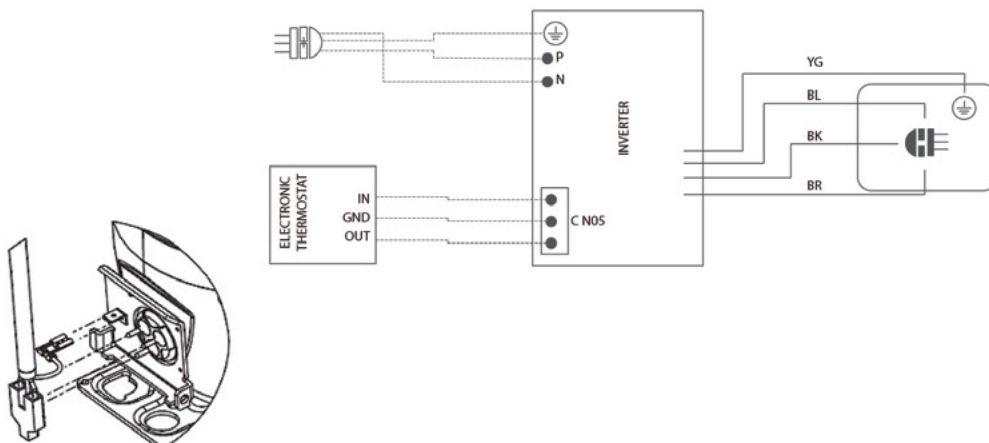
### CON01 - VEMY6 / FMF (Drop-In)



### CON02 - VEM / FMF (Frequency)

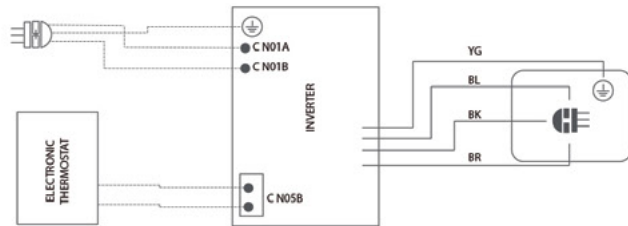
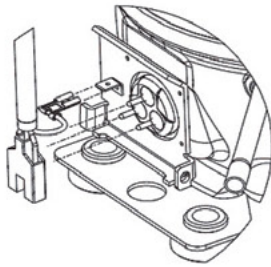


### CON03 - VEMY6 / FMF (Serial)

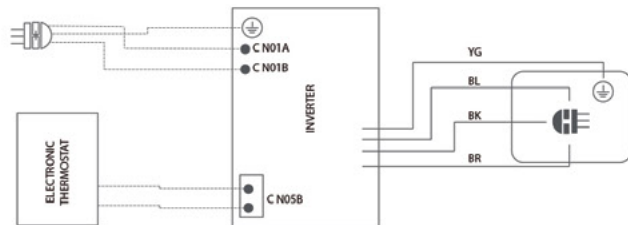
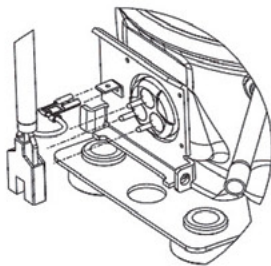


## Wiring Diagrams

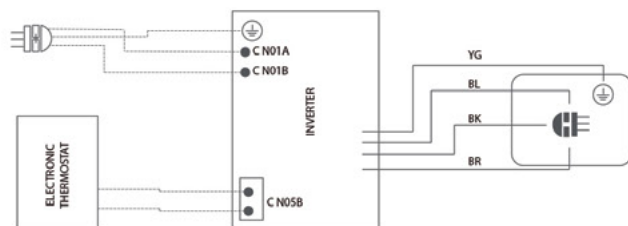
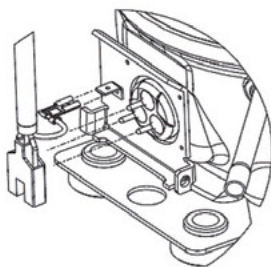
### CON04 - VEM / VEH



### CON05 - VEM / VEH (Serial)

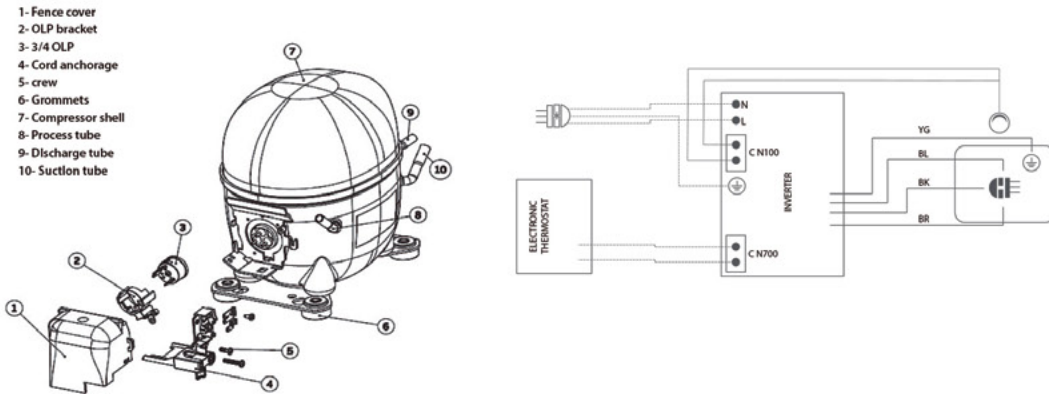


### CON06 - VEM / VEH (Drop-In)

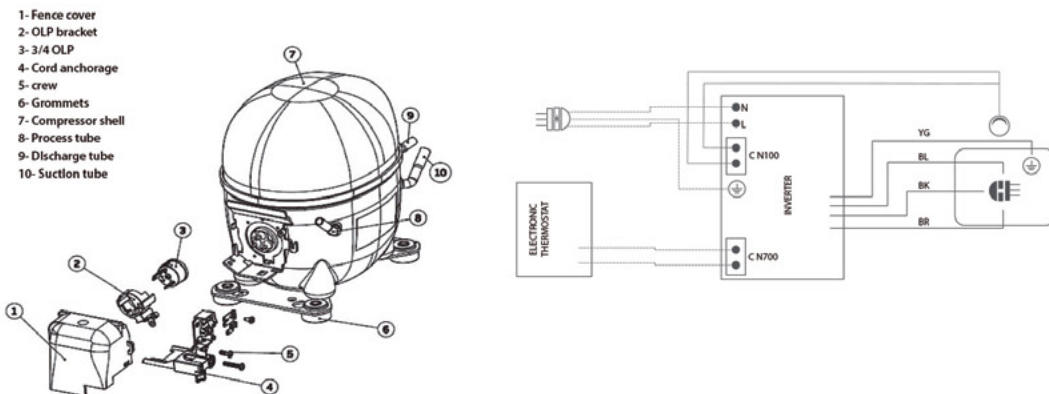


## Wiring Diagrams

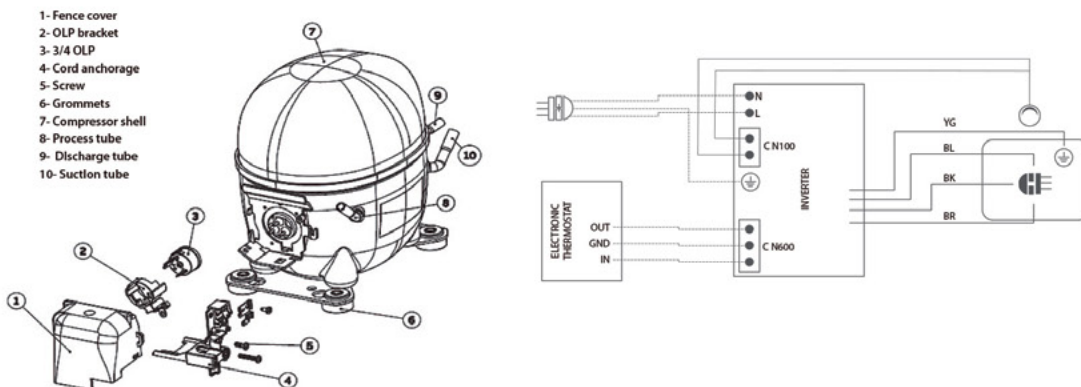
### CON07 - VNE (Drop-In)



### CON08 - VNE (Frequency)



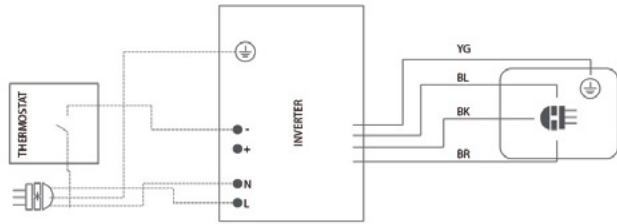
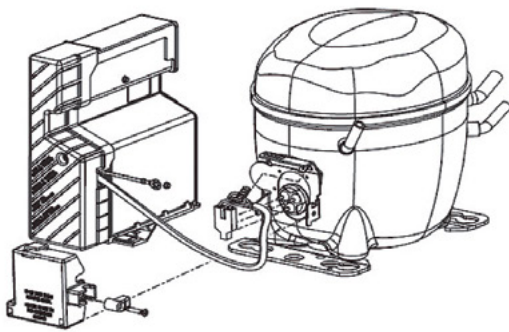
### CON09 - VNE (Serial)



## Wiring Diagrams

### CON10 - FMF (Drop-In)

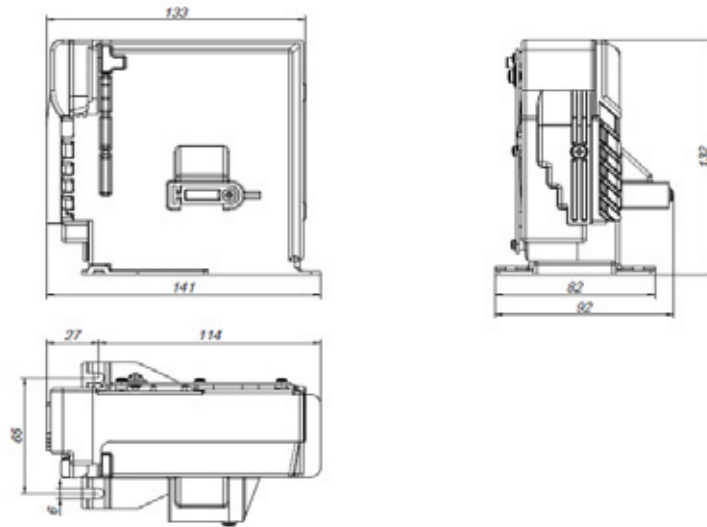
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## Wiring Diagrams

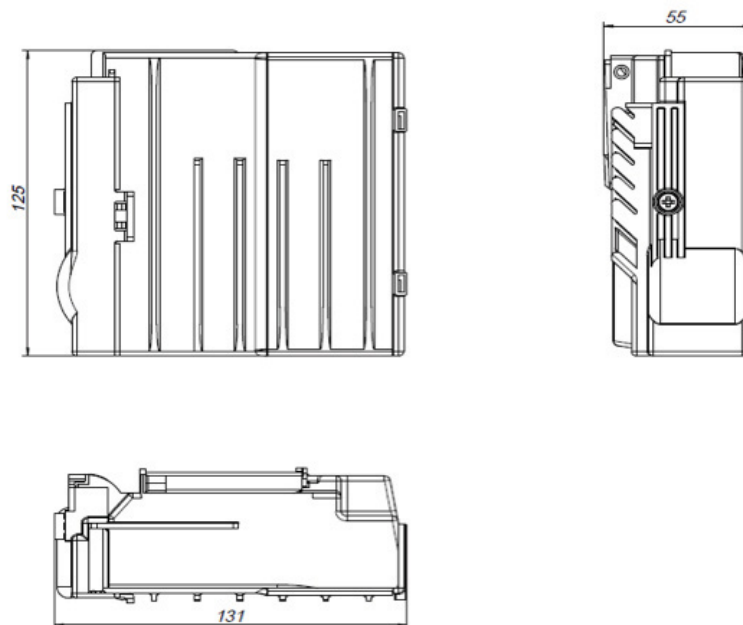
### INV1

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### INV2

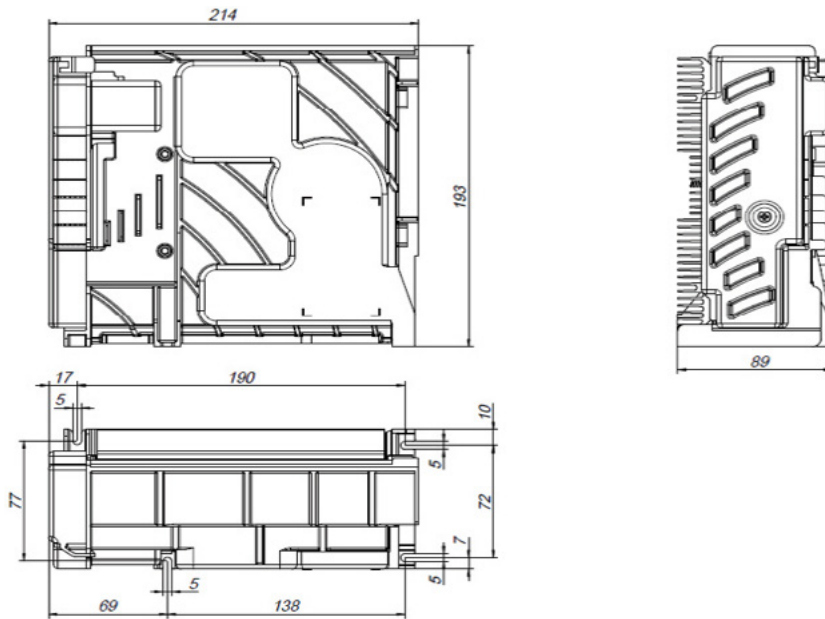
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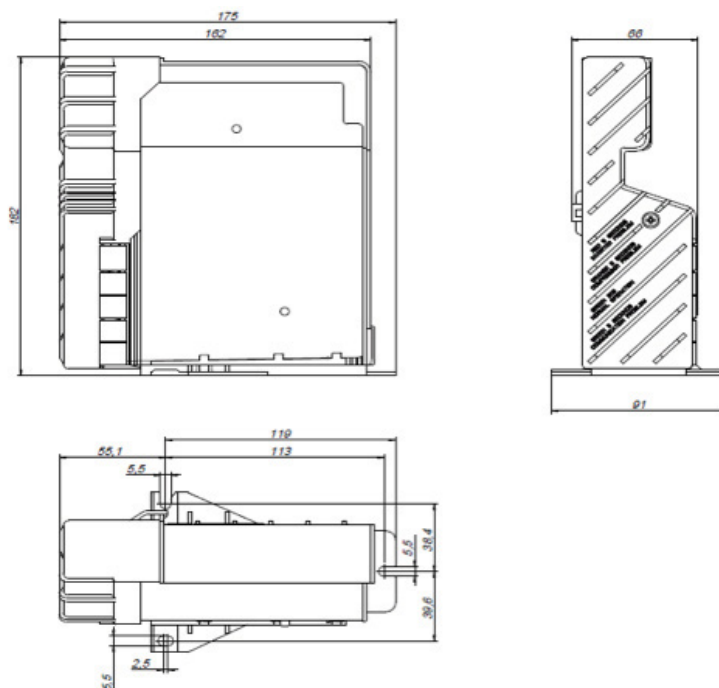


## Wiring Diagrams

### INV3

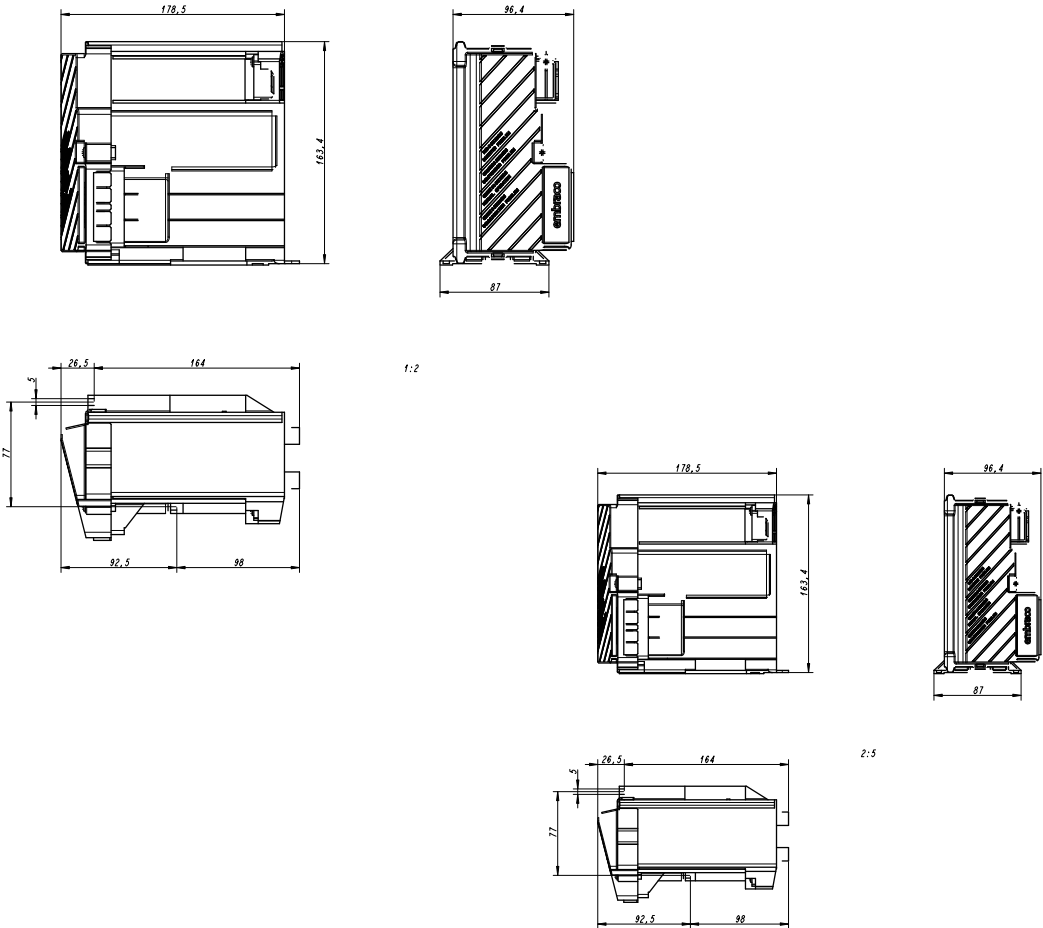


### INV4



# Wiring Diagrams

## INV5



# Electrical Configurations

## Electrical Accessories

Before removing the compressor plastic protection cover, check if the compressor is fully disconnected from the power source and if capacitors are applied.



Never operate on any electrical accessory with the compressor connected to the power grid. Working on an electrified compressor can cause severe damages to the technician's health, causing risks of electric shocks or getting burnt.



Start and/or run capacitors must be handled carefully, because, even when disconnected, they can cause electric shocks.

When you need to remove the capacitors, disconnect this components carefully paying attention to the exposed electric terminals. After disconnected, the capacitor must be discharged. Check if the capacitance ranges ( $\mu\text{F}$ ) printed on the label on the capacitors are in accordance with the compressor's technical data. The capacitor's voltage must be the same or higher than the specified value in the compressor's technical data. In case the capacitor or compressor's specification don't match, replace the capacitor.



The application of the wrong capacitor, not specified component, may cause overheating of these components. Overheating may cause fractures on the capacitor which can lead to the leakage of internal content burning the operator.

In the case of removing the electrical components from the compressor's hermetic terminal, first remove the overload protector and the start device (relay or PTC) applying longitudinal force on the terminal pins. Never apply transversal force on the pins of the hermetic terminal.



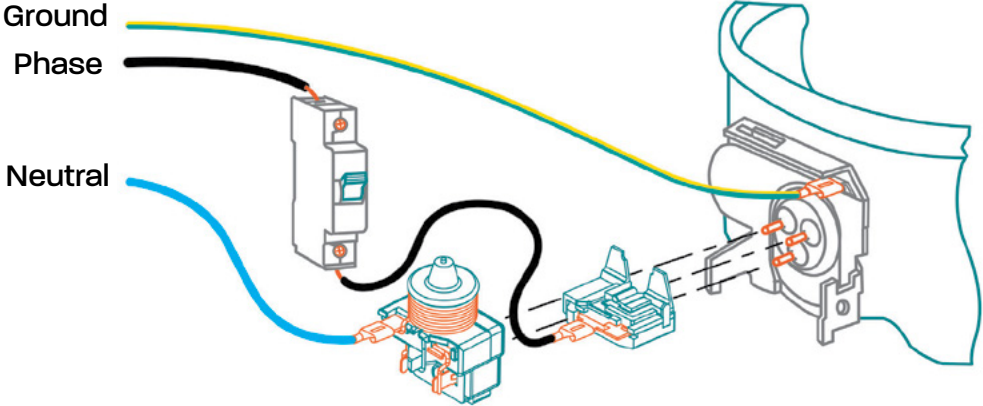
The incorrect removal of these accessories may damage the hermetic terminal on the compressor which can lead to the hermetic pins to be dislodged, causing refrigerant leakage. This situation becomes more critical in the case of flammable refrigerant utilization, since associated with an ignition source, creating a risk of and exposed flame with serious risks to the technician's physical integrity.

Cross check the code printed on the overload protector, relay or PTC with the compressor's technical data. In case they are different, replace these components for a compliant one. Universal accessories don't exist, you must always use components specified on the compressor's technical data.

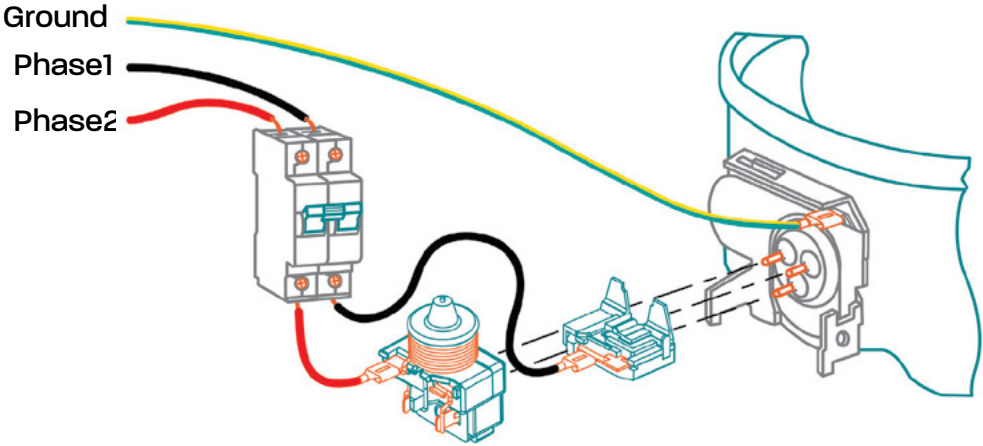


The use of incorrect electrical components, (overload protector, starting device) can cause a short circuit in the region the hermetic terminal of the compressor, which can lead to the hermetic pins to be dislodged, causing refrigerant leakage. This situation becomes more critical in the case of flammable refrigerant utilization, since associated with an ignition source, creating a risk of and exposed flame with serious risks to the technician's physical integrity.

### Electrical Installation



On single-phase installations, the phase wire must be protected by a circuit breaker and connected to the overload protector. The Neutral wire must be connected to the start device (Relay or PTC). The system must be grounded.



On two-phase installations, the use of a bipolar circuit breaker is mandatory, because in case of a short circuit, both phases will be protected. The system must be grounded.



When this bipolar starter isn't applied, the system is exposed to a short circuit in the region the hermetic terminal of the compressor, which can lead to the hermetic pins to be dislodged, causing refrigerant leakage. This situation becomes more critical in the case of flammable refrigerant utilization, since associated with an ignition source, creating a risk of and exposed flame with serious risks to the technician's physical integrity.

The usage of a not grounded system can generate severe risk of an electric shock on the technician.

## Compressor

If the compressor's replacement is necessary, be aware to these points below:

I. Check if the compressor is disconnected from the power grid.



You must never handle any electrical accessory with the compressor connected to the power grid. This can prevent several health risks to the technicians, such as electric shocks or getting burnt.

II. You must never remove the compressor without first removing all the refrigerant inside the system. You can use refrigerant recovery. In the case of replacing compressors with flammable refrigerants, such as R290 or R600a, make sure to remove the whole charge from the system.



The presence of flammable fluid residues can expose the technician to risks.

III. You must always use a pipe cutter to disconnect the pipes from the compressor. Under no circumstances, use the flame torch to disconnect the compressor tubes.



The use of a torch to disconnect the compressor from the system operating with flammable refrigerant can cause fire and release of toxic vapors.

IV. In case of compressor failure and / or internal contamination of the system, clean the refrigeration circuit with a suitable solvent, following the technical guidelines of the solvent manufacturer.



Failure to comply with the solvent manufacturer's technical guidelines may expose the technician to risk of fire or intoxication.

V. Before turning the compressor on:  
- Check if the voltage specified on the compressor label in accordance with the power grid and system electrical installation, following item 1.1.



The application of a compressor with a wrong voltage can cause a short circuit in the region the hermetic terminal of the compressor, which can lead to the hermetic pins to be dislodged, causing refrigerant leakage. This situation becomes more critical in the case of flammable refrigerant utilization, since associated with an ignition source, creating a risk of an exposed flame with serious risks to the technician's physical integrity.

- Check if the electrical protection plastic cover is properly inserted.



Failure to use or improperly fix the plastic cover on the electrical terminal may expose the technician to risk of electric shock and fire.

Technical Information

# Condensing Units



think ahead

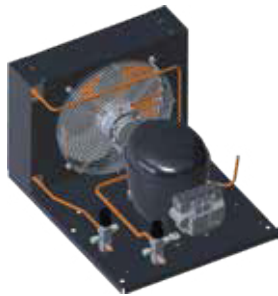
embraco  
*Nidec*

# Condensing Units Second Generation

Everything in the portfolio was thought to facilitate installation, maintenance and parts replacement.

## 3 options of upgrade levels for you to choose

Version	Suction Valve	Liquid Valve	Fan Guard	End Cover	Liquid Receiver	Sight Glass	Filter Drier	Pressure Controls	Power Cord	UL Recognized
Bare	✓	✓	✓	✓					✓	✓
Plus	✓	✓	✓	✓	✓	✓	✓		✓	✓
Ultimate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



### Bare:

Suction and liquid valves, fan guard, end cover, power cord



### Plus:

Bare + Liquid receiver, sight glass and filter drier



### Ultimate & Ultimate Compact:

Plus + Pressure switch, terminal block and electrical box

## Ultimate compact

Low profile unit



Optimal solution for equipment with **height restriction**  
**Ideal** for bottom and top mount reach-ins and display cases



Wider Condenser

# Condensing Units Evaporative Drain Pan

Everything in the portfolio was thought to facilitate installation, maintenance and parts replacement.

## 2 options of components packages for you to choose

Version	Hot Loop Discharge Tube	Suction Valve	Liquid Receiver w/ rotalock valve	Sight Glass	Condenser End Cover	Fan Guard	Filter Drier	Fan Blade	Power Cord*	Electronic Fan	UL Recognized
Bare (44)	✓				✓	✓	✓	9"	✓	✓	✓
Plus (24)	✓	✓	✓	✓	✓	✓	✓	9"	✓	✓	✓

## Available in 3 different versions



**Inverter Version**  
Options in 115 V and 220 V

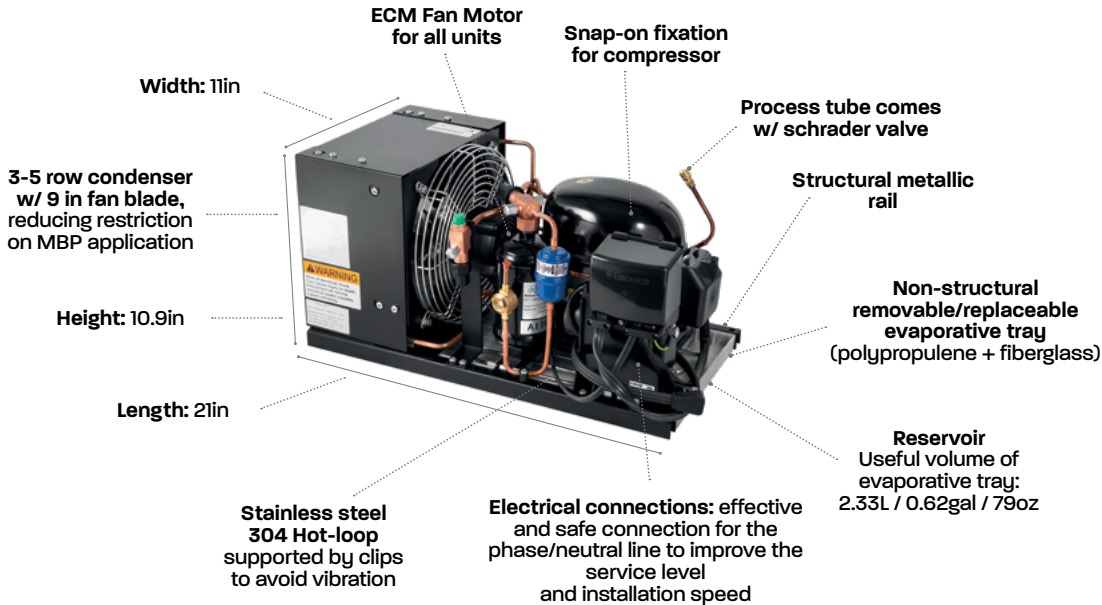


**Bare and Compact Version**



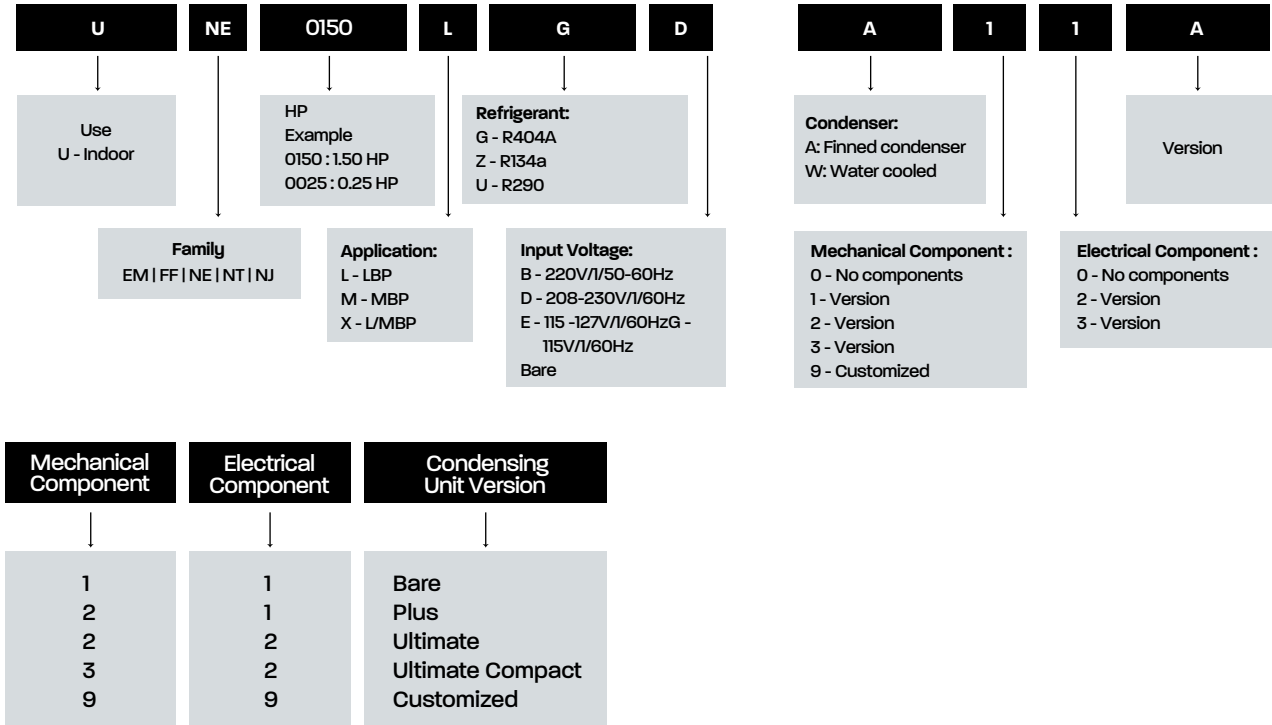
**Plus Version**

## Designed for easy components replacement

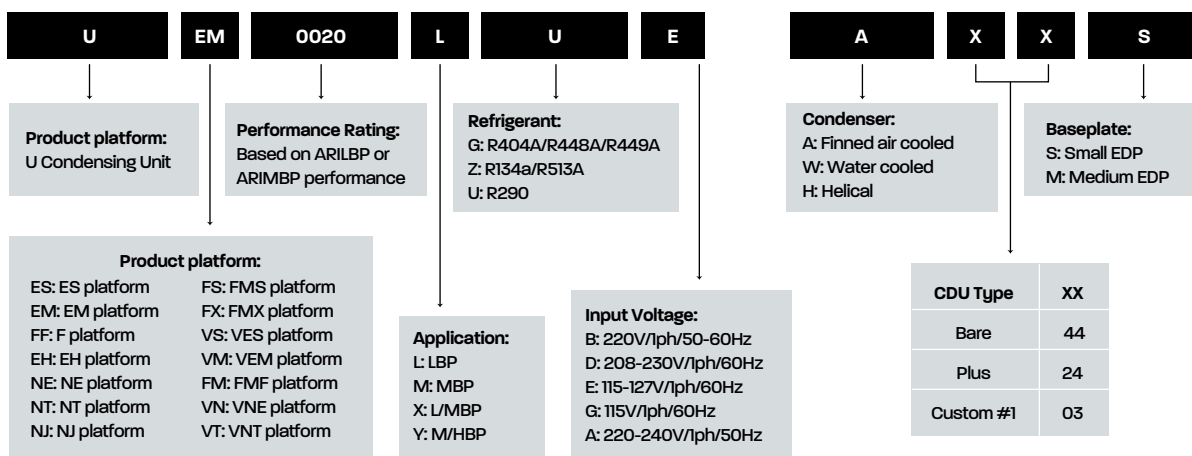




# Nomenclature Second Generation

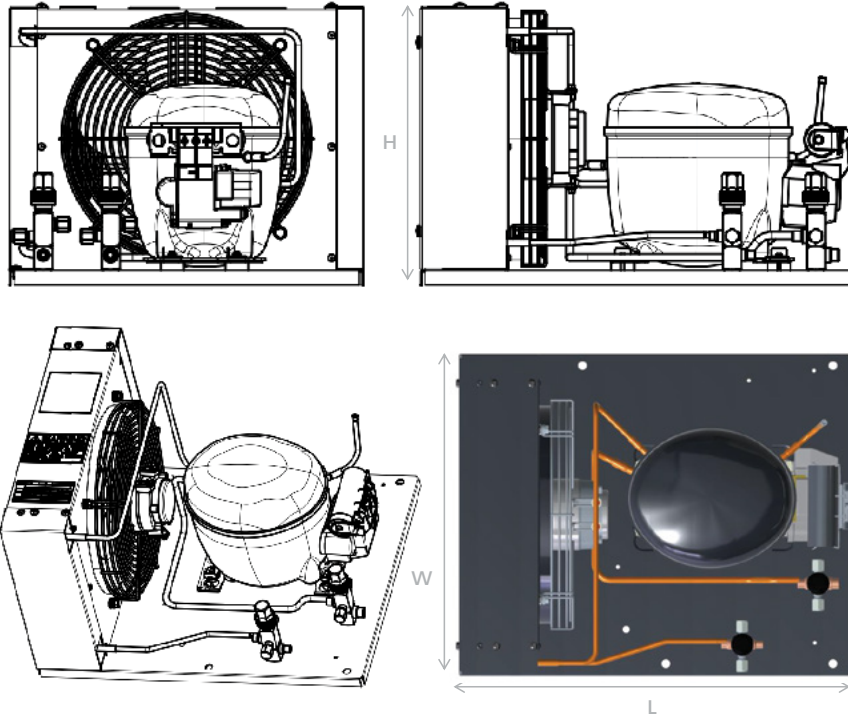


# Nomenclature Evaporative Drain Pan

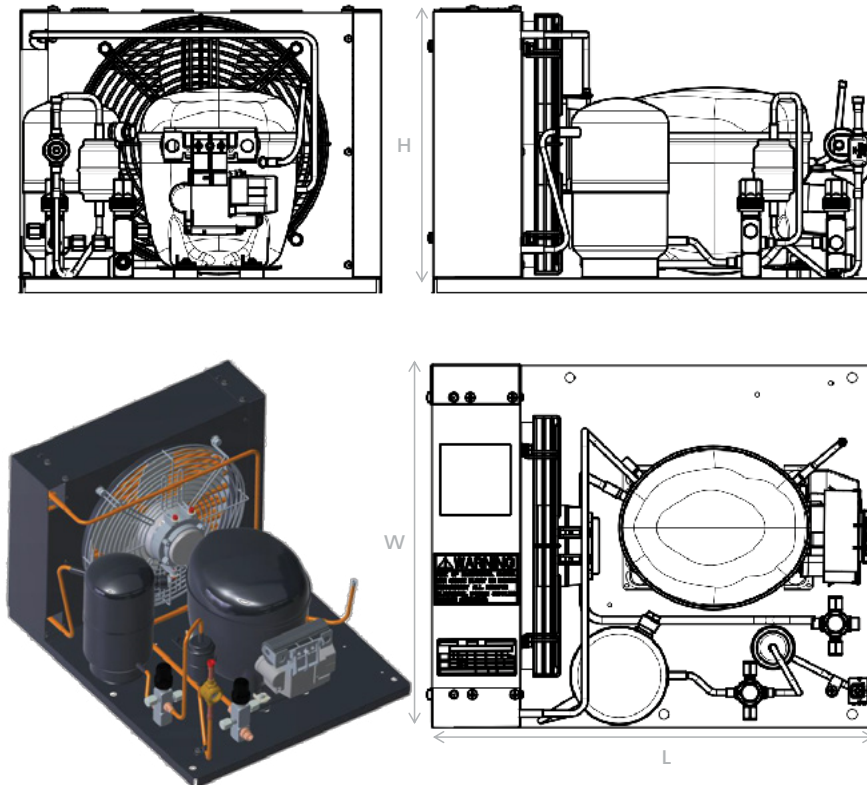


# Second Generation

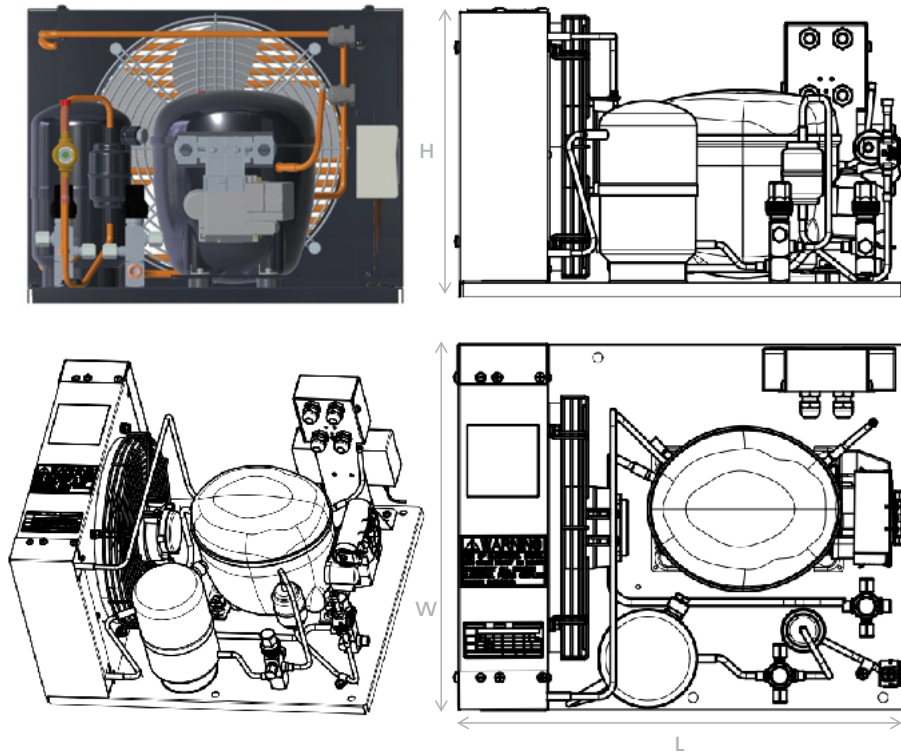
## Bare Version



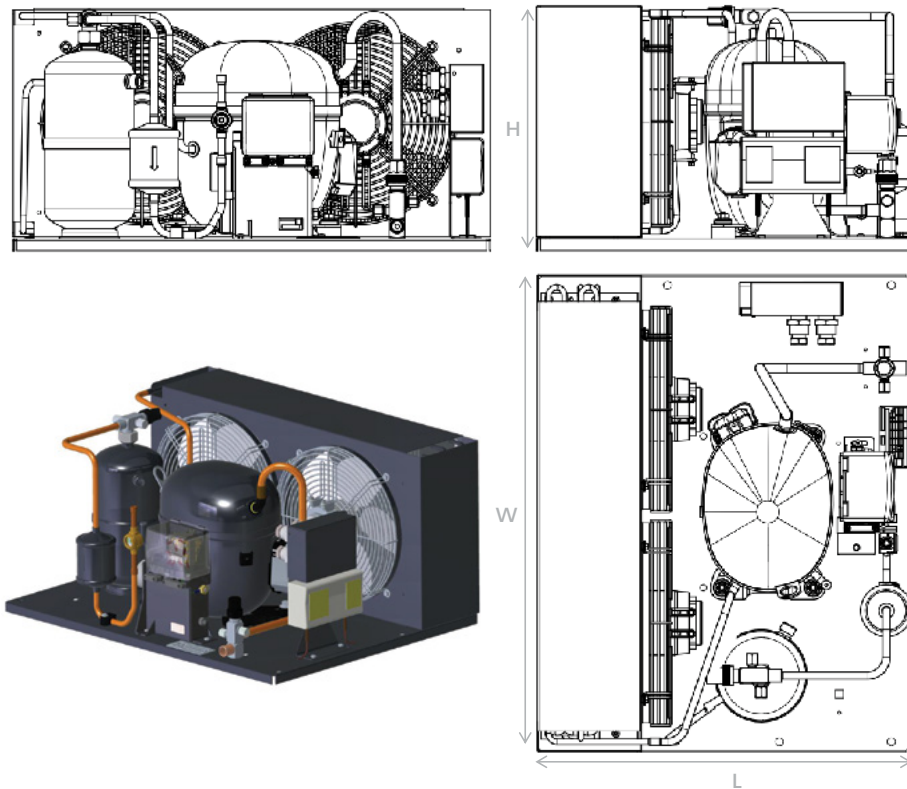
## Plus Version



## Ultimate Version

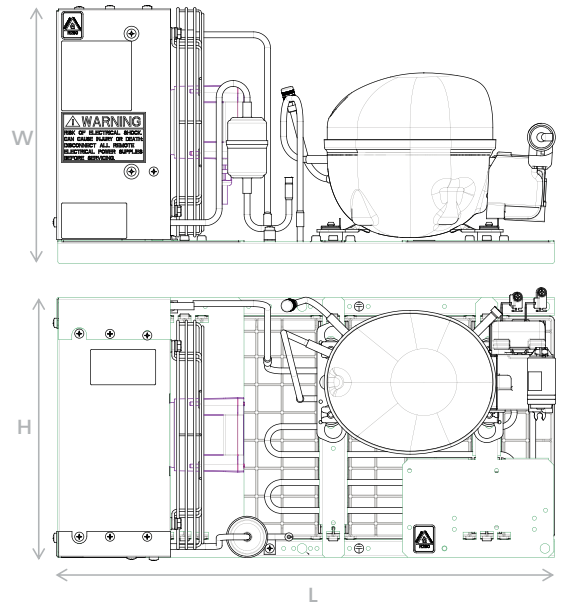
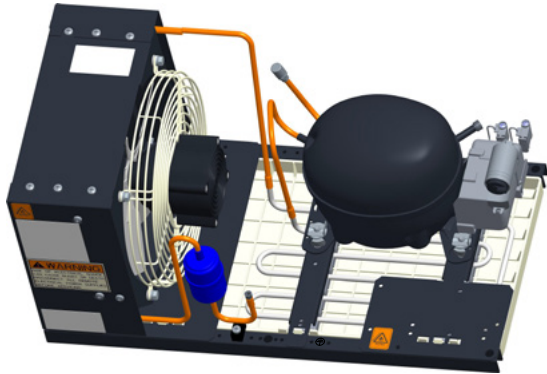


## Ultimate Compact Version

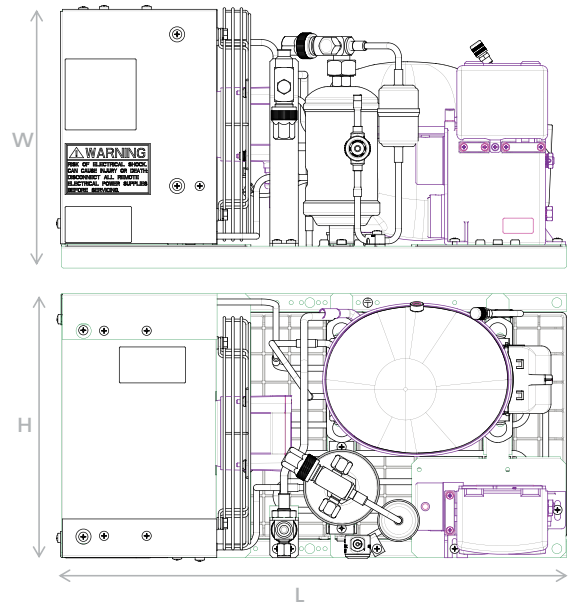
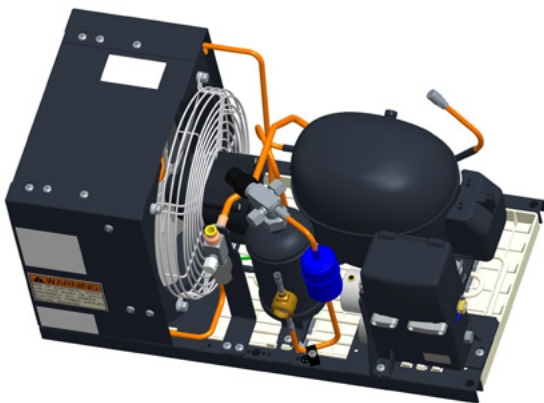


# Evaporative Drain Pan

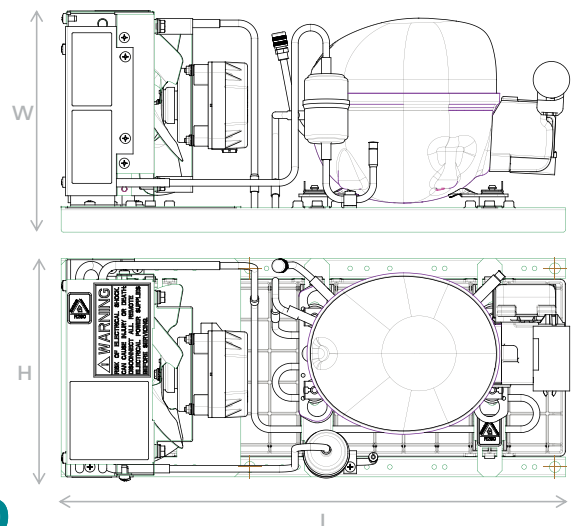
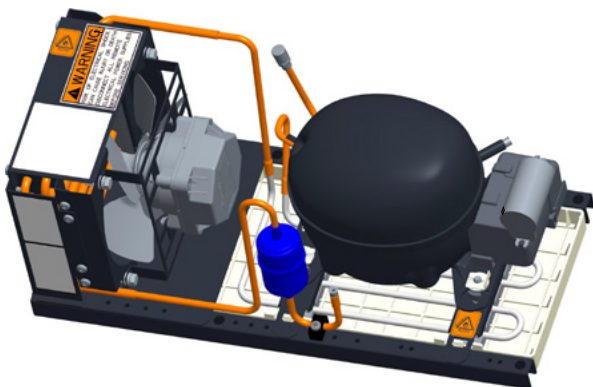
## Bare Version



## Plus Version



## Compact Bare Version



General Data &  
Performance

# Condensing Units

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R-134a

MODEL	HP	PRODUCT LINE	COMPRESSOR MODEL	DISP. in <sup>3</sup>	VOLTAGE / FREQUENCY	FEATURES	EXPANSION DEVICE	APPLIC.	AMBIENT TEMPR (°F)	COOLING CAPACITY (BTU/H) FOR DIFFERENT EVAPORATION TEMPERATURES								
										-40°F	-31°F	-22°F	-13°F	0°F	10°F	23°F	32°F	40°F
UFF0010XZE-A11A	1/10	Second Generation	FFU80HAX	6,76	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	110	-	366	521	706	917	1167	1455	-	-
UFF0010XZE-A21A	1/10	Second Generation	FFU80HAX	6,76	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LMBP	110	-	366	521	706	917	1167	1455	-	-
UFF0026XZEA44M	1/4+	EDP Reach-In	FFU80HAX	6,76	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	442	600	778	1074	1336	1740	-	-
UFF0026XZEA24M	1/4+	EDP Reach-In	FFU80HAX	6,76	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	442	600	778	1074	1336	1740	-	-
UFF0025XZGA24S	1/4+	EDP Under-counter	FFU80HAX	6,76	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	433	584	755	1036	1284	1664	-	-
UFF0025XZGA44S	1/4+	EDP Under-counter	FFU80HAX	6,76	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	433	584	755	1036	1284	1664	-	-
UFF0020XZG-A11A	1/5	Second Generation	FF10HBX	9,04	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	110	-	373	550	762	1001	1273	1568	-	-
UFF0020XZG-A21A	1/5	Second Generation	FF10HBX	9,04	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LMBP	110	-	373	550	762	1001	1273	1568	-	-
UFF0031XZGA44M	1/4+	EDP Reach-In	FF10HBX	9,04	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	490	695	921	1281	1589	2053	2447	2877
UFF0031XZGA24M	1/4+	EDP Reach-In	FF10HBX	9,04	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	490	695	921	1281	1589	2053	2447	2877
UFF0027XZGA24S	1/4+	EDP Under-counter	FF10HBX	9,04	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	445	614	807	1124	1395	1780	2067	-
UFF0027XZGA44S	1/4+	EDP Under-counter	FF10HBX	9,04	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	445	614	807	1124	1395	1780	2067	-
UFF0025XZE-A11A	1/4	Second Generation	FFU130HAX	10,61	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	110	-	540	755	1030	1348	1706	2065	-	-
UFF0025XZE-A21A	1/4	Second Generation	FFU130HAX	10,61	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LMBP	110	-	540	755	1030	1348	1706	2065	-	-
UFF0039XZEA44M	1/3+	EDP Reach-In	FFU130HAX	10,61	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	662	872	1142	1652	2131	2815	-	-
UFF0039XZEA24M	1/3+	EDP Reach-In	FFU130HAX	10,61	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	662	872	1142	1652	2131	2815	-	-
UFF0036XZGA24S	1/3+	EDP Under-counter	FFU130HAX	10,61	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	628	823	1062	1476	1822	2258	-	-
UFF0036XZGA44S	1/3+	EDP Under-counter	FFU130HAX	10,61	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	628	823	1062	1476	1822	2258	-	-
UFF0033XZE-A11A	1/3	Second Generation	FFU160HAX	12,92	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	110	-	745	999	1311	1672	2101	2586	-	-
UFF0033XZE-A21A	1/3	Second Generation	FFU160HAX	12,92	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LMBP	110	-	745	999	1311	1672	2101	2586	-	-
UFF0033XZE-A22A	1/3	Second Generation	FFU160HAX	12,92	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LMBP	110	-	745	999	1311	1672	2101	2586	-	-
UFF0033XZD-A11A	1/3	Second Generation	FFU160HAX	12,92	220V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	110	-	760	1035	1376	1773	2233	2726	-	-
UFF0033XZD-A21A	1/3	Second Generation	FFU160HAX	12,92	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LMBP	110	-	760	1035	1376	1773	2233	2726	-	-
UFF0033XZD-A22A	1/3	Second Generation	FFU160HAX	12,92	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LMBP	110	-	760	1035	1376	1773	2233	2726	-	-
UFF0048XZGA44M	1/2	EDP Reach-In	FFU160HAX	12,92	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	874	1125	1421	1933	2401	3115	3685	-
UFF0048XZGA24M	1/2	EDP Reach-In	FFU160HAX	12,92	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	874	1125	1421	1933	2401	3115	3685	-
UFF0044XZGA24S	1/2	EDP Under-counter	FFU160HAX	12,92	115V 60 Hz	Plus	TXV / EEV	LMBP	89,6	-	822	1048	1309	1747	2132	2691	310	-
UFF0044XZGA44S	1/2	EDP Under-counter	FFU160HAX	12,92	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	822	1048	1309	1747	2132	2691	310	-
UNE0045MZE-A21A	2/5	Second Generation	NEU621Z2	14,28	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2424	3016	3696	4428
UNE0045MZE-A22A	2/5	Second Generation	NEU621Z2	14,28	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2424	3016	3696	4428
UNE0045MZB-A21A	2/5	Second Generation	NEU621Z2	14,28	220V 50-60Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2358	2945	3627	4367
UNE0045MZB-A22A	2/5	Second Generation	NEU621Z2	14,28	220V 50-60Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2358	2945	3627	4367
UNE0061MZE-A24M	1/2	EDP Reach-In	NEU621Z2	14,28	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	-	2824	3728	4451	5154
UNE0061MZE-A44M	1/2	EDP Reach-In	NEU621Z2	14,28	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	-	2824	3728	4451	5154
UNE0050MZE-A21A	1/2	Second Generation	NEU621Z2	16,8	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2684	3363	4137	-
UNE0050MZE-A22A	1/2	Second Generation	NEU621Z2	16,8	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2684	3363	4137	-
UNE0050MZD-A21A	1/2	Second Generation	NEU621Z2	16,8	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2612	3227	3911	4626
UNE0050MZD-A22A	1/2	Second Generation	NEU621Z2	16,8	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	2612	3227	3911	4626
UNE0069MZE-A24M	1/2	EDP Reach-In	NEU621Z2	16,8	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	-	3170	4185	4946	5643
UNE0069MZE-A44M	1/2	EDP Reach-In	NEU621Z2	16,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	-	3170	4185	4946	5643
UNTO060MZG-A21A	3/5	Second Generation	NT6220Z	26,11	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	3324	4118	5023	-
UNTO060MZG-A22A	3/5	Second Generation	NT6220Z	26,11	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	3324	4118	5023	-
UNTO060MZD-A21A	3/5	Second Generation	NT6220Z	26,11	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	3364	4189	5134	-
UNTO060MZD-A22A	1	Second Generation	NT6220Z	26,11	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	3364	4189	5134	-
UNTO100MZG-A21A	1 1/4	Second Generation	NTU6224ZV	27,8	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	5094	6598	8283	10032
UNTO100MZG-A22A	1 1/4	Second Generation	NTU6224ZV	27,8	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	5094	6598	8283	10032
UNTO100MZD-A21A	1 1/4	Second Generation	NTU6224ZV	27,8	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	5171	6567	8142	9831
UNTO100MZD-A22A	1 1/4	Second Generation	NTU6224ZV	27,8	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	-	5171	6567	8142	9831



MODEL	PERFORMANCE DATA AMBIENT TEMPERATURE 89,6°F				GENERAL DIMENSIONS (without packaging)			WIRING DIAGRAM	ELECTRICAL DATA				
	POWER CONSUMPTION (-10°F) (W)	COP (-10°F) (W/W)	POWER CONSUMPTION (20°F) (W)	COP (20°F) (W/W)	HEIGHT (A) (mm)	LENGTH (B) (mm)	WIDTH (C) (mm)		COMPRESSOR RLA (A)	COMPRESSOR LRA (A)	MOP (A)	MCA (A)	PUMP DOWN CAPACITY (LBS)
UFF0010XZE-A11A	-	-	-	-	10	18,8	11,4	15350250	4	30,5	10	5,5	0,62
UFF0010XZE-A21A	-	-	-	-	10	18,8	11,4	15350250	4	30,5	10	5,5	0,62
UFF0026XZE44M	842	-	1639	-	10,91	21,2	10,98	15350250	4,2	30,5	15	10	0,62
UFF0026XZE424M	842	-	1639	-	10,91	21,2	10,98	15350250	4,2	30,5	15	10	1,4
UFF0025XZGA24S	816	-	1569	-	10,32	19	9,45	15350250	4,2	30,5	10	6	1,4
UFF0025XZGA44S	816	-	1569	-	10,32	19	8,38	15350250	4,2	30,5	15	10	1,4
UFF0020XZG-A11A	-	-	-	-	10	18,8	11,4	15350250	5,7	35	15	7,7	0,62
UFF0020XZG-A21A	-	-	-	-	10	18,8	11,4	15350250	5,7	35	15	7,7	0,62
UFF0031XZGA44M	1000	-	1937	-	10,91	21,2	10,98	15350250	5,7	35	15	10	1,4
UFF0031XZGA24M	1000	-	1937	-	10,91	21,2	10,98	15350250	5,7	35	15	10	1,4
UFF0027XZGA24S	876	-	1688	-	10,32	19	9,45	15350250	5,7	35	15	10	1,4
UFF0027XZGA44S	876	-	1688	-	10,32	19	8,38	15350250	5,7	35	15	10	1,4
UFF0025XZE-A11A	-	-	-	-	10	18,8	11,4	15350250	3,4	40,3	10	4,8	1,25
UFF0025XZE-A21A	-	-	-	-	10	18,8	11,4	15350250	3,4	40,3	10	4,8	1,25
UFF0039XZE44M	1247	-	2656	-	10,91	21,2	10,98	15350250	6,9	40,3	15	6	1,25
UFF0039XZE424M	1247	-	2656	-	10,91	21,2	10,98	15350250	6,9	40,3	15	6	1,4
UFF0036XZGA24S	1152	-	2162	-	10,32	19	9,45	15350250	6,9	40,3	20	10	1,4
UFF0036XZGA44S	1152	-	2162	-	10,32	19	8,38	15350250	6,9	40,3	15	6	1,4
UFF0033XZE-A11A	-	-	-	-	12	18,6	15,2	15350250	8,1	44,5	20	10,9	1,25
UFF0033XZE-A21A	-	-	-	-	12	18,6	15,2	15350250	8,1	44,5	20	10,9	1,25
UFF0033XZE-A22A	-	-	-	-	12	18,6	15,2	15350249	8,1	44,5	20	10,9	1,25
UFF0033XZD-A11A	-	-	-	-	12	18,6	15,2	15350250	3,9	19	10	5,3	1,25
UFF0033XZD-A21A	-	-	-	-	12	18,6	15,2	15350250	3,9	19	10	5,3	1,25
UFF0033XZD-A22A	-	-	-	-	12	18,6	15,2	15350249	3,9	19	10	5,3	1,25
UFF0048XZGA44M	1530	-	2939	-	10,91	21,2	10,98	15350250	8,1	44,5	15	15	1,4
UFF0048XZGA24M	1530	-	2939	-	10,91	21,2	10,98	15350250	8,1	44,5	15	15	1,4
UFF0044XZGA24S	1404	-	2557	-	10,32	19	9,45	15350250	8,1	44,5	20	15	1,4
UFF0044XZGA44S	1404	-	2557	-	10,32	19	8,38	15350250	8,1	44,5	15	15	1,4
UNE0045MZE-A21A	-	-	-	-	11,9	21,7	14,8	2196097	8,04	43	20	10,9	1,25
UNE0045MZE-A22A	-	-	-	-	11,9	21,7	14,8	2196101	8,04	43	20	10,9	1,25
UNE0045MZB-A21A	-	-	-	-	11,9	21,7	14,8	2196098	3,56	26	10	4,9	1,25
UNE0045MZB-A22A	-	-	-	-	11,9	21,7	14,8	2196103	3,56	26	10	4,9	1,25
UNE0061MZE424M	-	-	3504	-	10,91	21,2	10,98	15358008	8	40	15	15	1,4
UNE0061MZE444M	-	-	3504	-	10,91	21,2	10,98	15358008	8	40	15	15	1,4
UNE0050MZE-A21A	-	-	-	-	11,9	21,7	14,8	2196099	10,01	50	25	13,3	1,25
UNE0050MZE-A22A	-	-	-	-	11,9	21,7	14,8	2196102	10,01	50	25	13,3	1,25
UNE0050MZD-A21A	-	-	-	-	11,9	21,7	14,8	2196100	5,65	30	15	7,5	1,25
UNE0050MZD-A22A	-	-	-	-	11,9	21,7	14,8	2196104	5,65	30	15	7,5	1,25
UNE0069MZE424M	-	-	3941	-	10,91	21,2	10,98	15358008	4,5	50	15	10	1,4
UNE0069MZE444M	-	-	3941	-	10,91	21,2	10,98	15358008	4,5	50	15	10	1,4
UNTO060MZG-A21A	-	-	-	-	11,8	21,7	14,8	2196099	8,5	33,7	20	11,4	1,25
UNTO060MZG-A22A	-	-	-	-	11,8	21,7	14,8	2196102	8,5	33,7	20	11,4	1,25
UNTO060MZD-A21A	-	-	-	-	11,8	21,7	14,8	2196098	11	54,5	25	14,2	1,25
UNTO060MZD-A22A	-	-	-	-	11,8	21,7	14,8	2196103	11	54,5	25	14,2	1,25
UNTO100MZG-A21A	-	-	-	-	16,9	24	18,4	2196099	13,6	78	30	17,8	2,44
UNTO100MZG-A22A	-	-	-	-	16,9	24	18,4	2196102	13,6	78	30	17,8	2,44
UNTO100MZD-A21A	-	-	-	-	16,9	24	18,4	2196100	8	46	20	10,4	2,44
UNTO100MZD-A22A	-	-	-	-	16,9	24	18,4	2196104	8	46	20	10,4	2,44

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MODEL	HP	PRODUCT LINE	COMPRESSOR MODEL	DISP. in <sup>3</sup>	VOLTAGE / FREQUENCY	FEATURES	EXPANSION DEVICE	APPLIC.	AMBIENT TEMP. (°F)	COOLING CAPACITY (BTU/H) FOR DIFFERENT EVAPORATION TEMPERATURES								
										-40°F	-31°F	-22°F	-13°F	0°F	10°F	23°F	32°F	40°F
UEM0016XUGA54S	1/6	EDP Under-counter	EM2U311IU	3	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	318	396	482	620	736	895	1010	-
UEM0024LUGA54S	1/4	EDP Under-counter	EM2U3115U	4	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	466	583	712	917	1090	1338	1529	-
UEM0023LUEA54S	1/5	EDP Under-counter	EMX3115U	4	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	420	542	676	889	1069	1328	1528	-
UEM0024XUEA44M	1/5	EDP Reach-In	EMX3115U	4	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	441	576	726	971	1183	1494	1738	-
UEM0029XUEA03M	1/4+	EDP Reach-In	EM190UEX	5	115V 60 Hz	Custom #1	TXV / EEV / Cap. Tube	LMBP	89,6	-	561	706	853	1079	1284	1633	-	-
UEM0028LUEA54S	1/4	EDP Under-counter	EMC3121U	5,2	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	551	691	848	1101	1311	1595	1792	-
UEM0031XUEA44M	1/4	EDP Reach-In	EMC3121U	5,2	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	589	746	926	1225	1481	1841	2101	-
UEM0031LUGA54S	1/4+	EDP Under-counter	EM2X3121U	5,5	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	596	757	923	1172	1374	1659	1879	-
UEM0034LUEA54S	1/3	EDP Under-counter	EMC3125U	5,9	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	651	826	1021	1329	1583	1929	2175	-
UEM0035XUEA44M	1/3	EDP Reach-In	EMC3125U	5,9	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	665	848	1051	1377	1648	2021	2287	-
UFM0051XUEA44M	1/2	EDP Reach-In	FMFT406U	6	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	255	324	405	502	674	834	1084	1286	-
UFM0051XUDA44M	1/2	EDP Reach-In	FMFT406U	6	220V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	255	324	405	502	674	834	1084	1286	-
UEM0034LUGA54S	1/4+	EDP Under-counter	EM2X3125U	6,1	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	601	751	920	1108	1408	1658	2000	2243	-
UFF0042XUEA44M	1/3+	EDP Reach-In	FFU130UAX	6,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	837	1024	1253	1657	2018	2535	-	-
UEM0039XUEA54S	1/3	EDP Under-counter	EMC3130U	6,9	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	772	961	1167	1491	1758	2125	2392	-
UEM0054XUEA44M	1/3	EDP Reach-In	EMC3134U	8	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	1061	1350	1629	2016	2318	2772	-	-
UFF0049XUEA44M	1/2	EDP Reach-In	FFU160UAX	8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	-	969	1213	1485	1930	2323	2914	-	-
UFF0049XUEA03M	1/2	EDP Reach-In	FFU160UAX	8	115V 60 Hz	Custom #1	TXV / EEV / Cap. Tube	LMBP	89,6	-	961	1202	1469	1902	2286	2852	-	-
UFM0060XUEA44M	1/2	EDP Reach-In	FMFT408U	8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	366	502	652	816	1080	1312	1673	1982	-
UFM0060XUDA44M	1/2	EDP Reach-In	FMFT408U	8	220V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	366	502	652	816	1080	1312	1673	1982	-
UEM0047XUEA54S	1/3	EDP Under-counter	EMC3140U	9,5	115V 60 Hz	Compact Bare EM	Cap. Tube	LMBP	89,6	-	1130	1397	1634	1943	2178	2539	-	-
UEM0063XUEA44M	1/3	EDP Reach-In	EMC3140U	9,5	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	1249	1595	1919	2358	2695	3212	3702	-
UFM0080XUEA44M	3/4	EDP Reach-In	FMFT41U	11	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	604	766	951	1161	1510	1824	2306	2704	-
UFM0080XUDA44M	3/4	EDP Reach-In	FMFT41U	11	220V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	604	766	951	1161	1510	1824	2306	2704	-
UEM0065XUEA44M	1/2	EDP Reach-In	EMC3145U	11,1	115V 60 Hz	Bare	Cap. Tube	LMBP	89,6	-	1259	1584	1950	2541	3036	3712	4187	-
UEH0057LUGA54S	1/2	EDP Under-counter	EHX2155U	12,2	115V 60 Hz	Compact Bare EM	TXV / EEV / Cap. Tube	LBP	89,6	980	1210	1460	1725	2121	-	-	-	-
UEH0070LUEA44M	1/2	EDP Reach-In	EHX2155U	12,2	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1119	1407	1736	2106	2715	3243	-	-	-
UNE0064MUGA44M	3/4	EDP Reach-In	NEU6214U	12,2	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	2536	3063	3818	4372	-
UFM0084LUEA44M	1	EDP Reach-In	FMFT213U	13	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	603	761	979	1249	1694	2019	-	-	-
UFM0084LUDA44M	1	EDP Reach-In	FMFT213U	13	220V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	603	761	979	1249	1694	2019	-	-	-
UNE0078XUEA44M	1/2	EDP Reach-In	NEX4160UA	14,3	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LMBP	89,6	1118	1418	1768	2165	2810	3348	-	-	-
UNE0072LUEA03M	1/2	EDP Reach-In	NEX4160UA	14,3	115V 60 Hz	Custom #1	TXV / EEV / Cap. Tube	LMBP	89,6	1103	1396	1736	2119	2736	3253	-	-	-
UNE0090XUEA44M	3/4	EDP Reach-In	NEX4170UA	16,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1375	1753	2194	2693	3504	4181	5093	-	-
UNE0098XUEA44M	1	EDP Reach-In	NEX4180UA	18,7	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1439	1804	2220	2678	3390	-	-	-	-



MODEL	PERFORMANCE DATA AMBIENT TEMPERATURE 89,6°F				GENERAL DIMENSIONS (without packaging)			WIRING DIAGRAM	ELECTRICAL DATA				
	POWER CONSUMPTION (-10°F) (W)	COP (-10°F) (W/W)	POWER CONSUMPTION (20°F) (W)	COP (20°F) (W/W)	HEIGHT (A) (mm)	LENGTH (B) (mm)	WIDTH (C) (mm)		COMPRESSOR RLA (A)	COMPRESSOR LRA (A)	MOP (A)	MCA (A)	PUMP DOWN CAPACITY (LBS)
UEM0016XUGA54S	513	-	858	-	8,32	19	8,38	15358005	1,8	8,8	15	6	-
UEM0024LUGA54S	757	-	1278	-	8,32	19	8,38	15358005	2,51	11,94	15	6	-
UEM0023LUEA54S	723	-	1266	-	8,32	19	8,38	15358005	2,73	11,5	15	6	-
UEM0024XUEA44M	780	-	1418	-	10,91	21,2	10,98	15358005	2,73	11,5	15	6	-
UEM0029XUEA03M	905	-	1538	-	10,37	21	10,98	15358004	4	31	15	6	-
UEM0028LUEA54S	904	-	1529	-	8,32	19	8,38	15358005	2,9	14,9	15	6	-
UEM0031XUEA44M	991	-	1756	-	10,91	21,2	10,98	15358005	2,9	14,9	15	6	-
UEM0031LUGA54S	980	-	1590	-	8,32	19	8,38	15358005	3,5	15,9	15	6	-
UEM0034LUEA54S	1089	-	1848	-	8,32	19	8,38	15358005	4,2	18,4	15	10	-
UEM0035XUEA44M	1123	-	1933	-	10,91	21,2	10,98	15358005	4,2	18,4	15	10	-
UFM0051XUEA44M	538	-	1022	-	10,91	21,2	10,98	15358006	2	3,3	15	6	-
UFM0051XUDA44M	538	-	1022	-	10,91	21,2	10,98	15358006	2	3,3	15	6	-
UEM0034LUGA54S	1174	-	1920	-	8,32	19	8,38	15358005	3,8	16,8	15	6	-
UFF0042XUEA44M	1339	-	2412	-	10,91	21,2	10,98	15350250	8,5	39	15	15	-
UEM0039XUEA54S	1239	-	2038	-	8,32	19	8,38	15358005	4,83	20,9	15	10	-
UEM0054XUEA44M	1720	-	2656	-	10,91	21,2	10,98	15358005	5,1	22,4	15	10	-
UFF0049XUEA44M	1582	-	2768	-	10,91	21,2	10,98	15350250	8,5	41,5	15	15	-
UFF0049XUEA03M	1565	-	2710	-	10,37	21	10,98	15350250	8,5	41,5	15	15	-
UFM0060XUEA44M	873	-	1582	-	10,91	21,2	10,98	15358006	2	3,3	15	6	-
UFM0060XUDA44M	873	-	1582	-	10,91	21,2	10,98	15358006	2	3,3	15	6	-
UEM0047XUEA54S	1708	-	2446	-	8,32	19	8,38	15358005	6,7	26,5	15	10	-
UEM0063XUEA44M	2023	-	3078	-	10,91	21,2	10,98	15358005	6,7	26,5	15	10	-
UFM0080XUEA44M	1236	-	2186	-	10,91	21,2	10,98	15358006	2	6,5	15	6	-
UFM0080XUDA44M	1236	-	2186	-	10,91	21,2	10,98	15358006	2	6,5	15	6	-
UEM0065XUEA44M	2080	-	3554	-	10,91	21,2	10,98	15358007	5,6	31,5	15	10	-
UEH0057LUGA54S	1815	-	-	-	8,32	19	8,38	15350250	5,65	39,5	15	10	-
UEH0070LUEA44M	2239	-	-	-	10,91	21,2	10,98	15350250	5,65	39,5	15	10	-
UNE0064MUGA44M	-	-	3638	-	10,91	21,2	10,98	15358008	7,2	42	15	10	-
UFM0084LUEA44M	1349	-	-	-	10,91	21,2	10,98	15358006	6,1	6,1	15	10	-
UFM0084LUDA44M	1349	-	-	-	10,91	21,2	10,98	15358006	6,1	6,1	15	10	-
UNE0078XUEA44M	2307	-	-	-	10,91	21,2	10,98	15358008	7,3	46	15	15	-
UNE0072LUEA03M	2259	-	-	-	10,37	21	10,98	15358008	7,3	46	15	15	-
UNE0090XUEA44M	2872	-	4881	-	10,91	21,2	10,98	15358008	9	49,5	20	15	-
UNE0098XUEA44M	2838	-	-	-	10,91	21,2	10,98	15358008	9,7	53	20	15	-

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MODEL	HP	PRODUCT LINE	COMPRESSOR MODEL	DISP. in <sup>3</sup>	VOLTAGE / FREQUENCY	FEATURES	EXPANSION DEVICE	APPLIC.	AMBIENT TEMP. (°F)	COOLING CAPACITY (BTU/H) FOR DIFFERENT EVAPORATION TEMPERATURES								
										-40°F	-31°F	-22°F	-13°F	0°F	10°F	23°F	32°F	40°F
UNE0035LGA44M	1/3	EDP Reach-In	NEK2121GK	5,4	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	548	685	849	1041	1359	1626	-	-	-
UNE0035LGA24M	1/3	EDP Reach-In	NEK2121GK	5,4	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	548	685	849	1041	1359	1626	-	-	-
UNE0033LGA44S	1/3	EDP Under-counter	NEK2121GK	5,4	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	537	668	823	1004	1300	1546	-	-	-
UNE0033LGA24S	1/3	EDP Under-counter	NEK2121GK	5,4	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	537	668	823	1004	1300	1546	-	-	-
UNE0020LGG-A11A	1/10	Second Generation	NEK2121GK	5,44	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	110	451	585	749	950	1178	1433	-	-	-
UNE0020LGG-A21A	1/10	Second Generation	NEK2121GK	5,44	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	451	585	749	950	1178	1433	-	-	-
UNE0020LGG-A22A	1/10	Second Generation	NEK2121GK	5,44	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	451	585	749	950	1178	1433	-	-	-
UNE0025MGG-A11A	1/4	Second Generation	NEK6152GK	5,44	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1107	1361	1642	1952	-
UNE0040MGEA44M	1/3+	EDP Reach-In	NEU6181GK	6,2	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	1577	1875	2435	2897	-
UNE0040MGEA24M	1/3+	EDP Reach-In	NEU6181GK	6,2	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	1577	1875	2435	2897	-
UNE0037MGG-A24S	1/3+	EDP Under-counter	NEU6181GK	6,2	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	1470	1733	2216	2607	-
UNE0037MGA44S	1/3+	EDP Under-counter	NEU6181GK	6,2	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	1470	1733	2216	2607	-
UNE0025MGE-A11A	1/4	Second Generation	NEU6181GK	6,2	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1371	1660	2063	2571	3118
UNE0025MGE-A21A	1/4	Second Generation	NEU6181GK	6,2	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1371	1660	2063	2571	3118
UNE0044MGEA44M	1/3	EDP Reach-In	NEU6210GK	7,3	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	1712	2052	2675	3176	-
UNE0044MGEA24M	1/3	EDP Reach-In	NEU6210GK	7,3	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	1712	2052	2675	3176	-
UNE0040MGG-A24S	1/3	EDP Under-counter	NEU6210GK	7,3	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	1580	1875	2402	2817	-
UNE0040MGA44S	1/3	EDP Under-counter	NEU6210GK	7,3	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	1580	1875	2402	2817	-
UNE0033MGE-A11A	1/3	Second Generation	NEU6210GK	7,3	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1510	1852	2326	2914	3526
UNE0033MGE-A21A	1/3	Second Generation	NEU6210GK	7,3	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1510	1852	2326	2914	3526
UNE0033MGE-A22A	1/3	Second Generation	NEU6210GK	7,3	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1510	1852	2326	2914	3526
UNE0033LGE-A21A	1/3	Second Generation	NEU2140GK	8,77	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	581	792	1040	1331	1645	1982	-	-	-
UNE0033LGE-A22A	1/3	Second Generation	NEU2140GK	8,77	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	581	792	1040	1331	1645	1982	-	-	-
UNE0033LGB-A21A	1/3	Second Generation	NEU2140GK	8,77	220V 50-60Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	623	844	1104	1405	1728	2066	-	-	-
UNE0033LGB-A22A	1/3	Second Generation	NEU2140GK	8,77	220V 50-60Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	623	844	1104	1405	1728	2066	-	-	-
UNE0052LGEA44M	1/2	EDP Reach-In	NEU2140GK	8,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	761	987	1253	1558	2056	2471	-	-	-
UNE0052LGEA24M	1/2	EDP Reach-In	NEU2140GK	8,8	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	761	987	1253	1558	2056	2471	-	-	-
UNE0048LGA44S	1/2	EDP Under-counter	NEU2140GK	8,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	731	939	1181	1453	1887	2235	-	-	-
UNE0048LGA24S	1/2	EDP Under-counter	NEU2140GK	8,8	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	731	939	1181	1453	1887	2235	-	-	-
UNE0050MGEA44M	1/2	EDP Reach-In	NEU6212GK	8,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	1987	2345	3017	3566	-
UNE0050MGEA24M	1/2	EDP Reach-In	NEU6212GK	8,8	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	1987	2345	3017	3566	-
UNE0040MGE-A11A	2/5	Second Generation	NEU6212GK	8,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1805	2140	2656	3347	4129
UNE0040MGE-A22A	2/5	Second Generation	NEU6212GK	8,8	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	1805	2140	2656	3347	4129
UNE0050MGE-A11A	1/2	Second Generation	NEU6214GK	9,99	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2110	2557	3107	3743	4380
UNE0050MGE-A21A	1/2	Second Generation	NEU6214GK	9,99	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2110	2557	3107	3743	4380
UNE0050MGE-A22A	1/2	Second Generation	NEU6214GK	9,99	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2110	2557	3107	3743	4380
UNE0070LGEA44M	3/4	EDP Reach-In	NEU2155GK	12,1	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1025	1326	1682	2090	2754	3299	-	-	-
UNE0070LGEA24M	3/4	EDP Reach-In	NEU2155GK	12,1	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	1025	1326	1682	2090	2754	3299	-	-	-
UNE0060LGA44S	3/4	EDP Under-counter	NEU2155GK	12,1	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	941	1198	1493	1818	2316	2696	-	-	-
UNE0060LGA24S	3/4	EDP Under-counter	NEU2155GK	12,1	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	941	1198	1493	1818	2316	2696	-	-	-
UNE0069MGEA44M	3/4	EDP Reach-In	NEU6215GK	12,1	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	2798	3292	4162	4858	-
UNE0069MGEA24M	3/4	EDP Reach-In	NEU6215GK	12,1	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	2798	3292	4162	4858	-
UNE0060MGE-A21A	3/4	Second Generation	NEU6215GK	12,1	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2496	2986	3641	4448	5300
UNE0060MGE-A22A	3/4	Second Generation	NEU6215GK	12,1	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2496	2986	3641	4448	5300
UNE0060MGD-A21A	3/4	Second Generation	NEU6215GK	12,1	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2495	3055	3652	4293	4935
UNE0060MGD-A22A	3/4	Second Generation	NEU6215GK	12,1	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2495	3055	3652	4293	4935
UNE0077MGEA44M	3/4	EDP Reach-In	NEU6220GK	14,28	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	MBP	89,6	-	-	-	-	3165	3737	4634	5310	-
UNE0077MGEA24M	3/4	EDP Reach-In	NEU6220GK	14,28	115V 60 Hz	Plus	TXV / EEV	MBP	89,6	-	-	-	-	3165	3737	4634	5310	-



MODEL	PERFORMANCE DATA AMBIENT TEMPERATURE 89,6°F				GENERAL DIMENSIONS (without packaging)			WIRING DIAGRAM	ELECTRICAL DATA				
	POWER CONSUMPTION (-10°F) (W)	COP (-10°F) (W/W)	POWER CONSUMPTION (20°F) (W)	COP (20°F) (W/W)	HEIGHT (A) (mm)	LENGTH (B) (mm)	WIDTH (C) (mm)		COMPRESSOR RLA (A)	COMPRESSOR LRA (A)	MOP (A)	MCA (A)	PUMP DOWN CAPACITY (LBS)
UNE0035LGA44M	1110	-	-	-	10,91	21,2	10,98	15358004	3,9	26,5	15	6	1,2
UNE0035LGA24M	1110	-	-	-	10,91	21,2	10,98	15358004	3,9	26,5	15	6	1,2
UNE0033LGA44S	1069	-	-	-	10,32	19	8,38	15358009	3,9	26,5	15	6	1,2
UNE0033LGA24S	1069	-	-	-	10,32	19	9,45	15358009	3,9	26,5	10	6	1,2
UNE0020LGG-A11A	-	-	-	-	10,2	17,7	11,7	2196097	4,17	27	10	5,7	0,53
UNE0020LGG-A21A	-	-	-	-	10,2	17,7	11,7	2196097	4,17	27	10	5,7	0,53
UNE0020LGG-A22A	-	-	-	-	10,2	17,7	11,7	2196101	4,17	27	10	5,7	0,53
UNE0025MGG-A11A	-	-	-	-	10,2	17,7	11,7	2196097	4,8	34	10	6,8	0,53
UNE0040MGEA44M	-	-	2291	-	10,91	21,2	10,98	15358008	6	18	15	6	1,2
UNE0040MGEA24M	-	-	2291	-	10,91	21,2	10,98	15358008	6	18	15	6	1,2
UNE0037MGA24S	-	-	2093	-	10,32	19	9,45	15358009	6	18	15	10	1,2
UNE0037MGA44S	-	-	2093	-	10,32	19	8,38	15358009	6	18	15	6	1,2
UNE0025MGE-A11A	-	-	-	-	11,9	21,7	14,8	2196097	6	31	15	8,3	1,2
UNE0025MGE-A21A	-	-	-	-	11,9	21,7	14,8	2196097	6	31	15	8,3	1,2
UNE0044MGEA44M	-	-	2517	-	10,91	21,2	10,98	15358008	6,2	39	15	10	1,2
UNE0044MGEA24M	-	-	2517	-	10,91	21,2	10,98	15358008	6,2	39	15	10	1,2
UNE0040MGA24S	-	-	2269	-	10,32	19	9,45	15358009	6,2	39	15	10	1,2
UNE0040MGA44S	-	-	2269	-	10,32	19	8,38	15358009	6,2	39	15	10	1,2
UNE0033MGE-A11A	-	-	-	-	11,9	21,7	14,8	2196097	6,85	39	15	9,4	1,2
UNE0033MGE-A21A	-	-	-	-	11,9	21,7	14,8	2196097	6,85	39	15	9,4	1,2
UNE0033MGE-A22A	-	-	-	-	11,9	21,7	14,8	2196101	6,85	39	15	9,4	1,2
UNE0033LGE-A21A	-	-	-	-	10,2	17,7	11,7	2196097	5,39	30	15	7,3	0,53
UNE0033LGE-A22A	-	-	-	-	10,2	17,7	11,7	2196101	5,39	30	15	7,3	0,53
UNE0033LGB-A21A	-	-	-	-	10,2	17,7	11,7	2196098	2,8	18	10	3,8	0,53
UNE0033LGB-A22A	-	-	-	-	10,2	17,7	11,7	2196103	2,8	18	10	3,8	0,53
UNE0052LGEA44M	1667	-	-	-	10,91	21,2	10,98	15358008	6	30	15	10	1,2
UNE0052LGEA24M	1667	-	-	-	10,91	21,2	10,98	15358008	6	30	15	10	1,2
UNE0048LGA44S	1550	-	-	-	10,32	19	8,38	15358009	6	30	15	10	1,2
UNE0048LGA24S	1550	-	-	-	10,32	19	9,45	15358009	6	30	15	10	1,2
UNE0050MGEA44M	-	-	2845	-	10,91	21,2	10,98	15358008	4	39	15	6	1,2
UNE0050MGEA24M	-	-	2845	-	10,91	21,2	10,98	15358008	4	39	15	6	1,2
UNE0040MGE-A11A	-	-	-	-	11,9	21,7	14,8	2196097	7,2	39	15	9,8	1,2
UNE0040MGE-A22A	-	-	-	-	11,9	21,7	14,8	2196101	7,2	39	15	9,8	1,2
UNE0050MGE-A11A	-	-	-	-	11,9	21,7	14,8	2196099	7,5	42	20	10,2	1,2
UNE0050MGE-A21A	-	-	-	-	11,9	21,7	14,8	2196099	7,5	42	20	10,2	1,2
UNE0050MGE-A22A	-	-	-	-	11,9	21,7	14,8	2196102	7,5	42	20	10,2	1,2
UNE0070LGEA44M	2237	-	-	-	10,91	21,2	10,98	15358008	6,3	40	15	15	1,2
UNE0070LGEA24M	2237	-	-	-	10,91	21,2	10,98	15358008	6,3	40	15	10	1,2
UNE0060LGA44S	1931	-	-	-	10,32	19	8,38	15358009	6,3	40	15	15	1,2
UNE0060LGA24S	1931	-	-	-	10,32	19	9,45	15358009	6,3	40	15	10	1,2
UNE0069MGEA44M	-	-	3943	-	10,91	21,2	10,98	15358008	10	47	20	15	1,2
UNE0069MGEA24M	-	-	3943	-	10,91	21,2	10,98	15358008	10	47	20	15	1,2
UNE0060MGE-A21A	-	-	-	-	11,8	21,7	14,8	2196099	11,49	47	25	15,2	1,07
UNE0060MGE-A22A	-	-	-	-	11,8	21,7	14,8	2196102	11,49	47	25	15,2	1,07
UNE0060MGD-A21A	-	-	-	-	11,8	21,7	14,8	2196100	6,27	34	15	8,2	1,07
UNE0060MGD-A22A	-	-	-	-	11,8	21,7	14,8	2196104	6,27	34	15	8,2	1,07
UNE0077MGEA44M	-	-	4415	-	10,91	21,2	10,98	15358008	10,6	57	20	15	1,2
UNE0077MGEA24M	-	-	4415	-	10,91	21,2	10,98	15358008	10,6	57	20	15	1,2

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MODEL	HP	PRODUCT LINE	COMPRESSOR MODEL	DISP. in <sup>3</sup>	VOLTAGE / FREQUENCY	FEATURES	EXPANSION DEVICE	APPLIC.	AMBIENT TEMP. (°F)	COOLING CAPACITY (BTU/H) FOR DIFFERENT EVAPORATION TEMPERATURES									
										-40°F	-31°F	-22°F	-13°F	0°F	10°F	23°F	32°F	40°F	
UNE0080LGEA44M	3/4	EDP Reach-In	NEU2168GK	14,3	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1193	1534	1940	2405	3163	3784	-	-	-	
UNE0080LGEA24M	3/4	EDP Reach-In	NEU2168GK	14,3	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	1193	1534	1940	2405	3163	3784	-	-	-	
UNE0060LGE-A21A	3/4	Second Generation	NEU2168GK	14,3	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	961	1299	1705	2189	2723	3300	-	-	-	
UNE0060LGE-A22A	3/4	Second Generation	NEU2168GK	14,3	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	961	1299	1705	2189	2723	3300	-	-	-	
UNE0060LGD-A21A	3/4	Second Generation	NEU2168GK	14,3	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1042	1393	1816	2318	2860	3430	-	-	-	
UNE0060LGD-A22A	3/4	Second Generation	NEU2168GK	14,3	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1042	1393	1816	2318	2860	3430	-	-	-	
UNTO065MGG-A21A	1	Second Generation	NT6220GKV	14,5	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2752	3453	4194	4975	5740	
UNTO065MGG-A22A	1	Second Generation	NT6220GKV	14,5	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2752	3453	4194	4975	5740	
UNTO065MGD-A21A	1	Second Generation	NT6220GKV	14,5	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2860	3507	4178	4890	5612	
UNTO065MGD-A22A	1	Second Generation	NT6220GKV	14,5	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2860	3507	4178	4890	5612	
UNTO050MGG-A32A	1	Second Generation	NT6220GKV	14,5	115V 60 Hz	Ultimate Compact	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2708	3388	4101	4848	5572	
UNTO050MGD-A32A	1	Second Generation	NT6220GKV	14,5	220V 60 Hz	Ultimate Compact	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	2808	3432	4074	4752	5435	
UNE0090LGEA44M	1	EDP Reach-In	NEU2178GK	16,8	115V 60 Hz	Bare	TXV / EEV / Cap. Tube	LBP	89,6	1354	1737	2187	2695	3506	4158	-	-	-	
UNE0090LGEA24M	1	EDP Reach-In	NEU2178GK	16,8	115V 60 Hz	Plus	TXV / EEV	LBP	89,6	1354	1737	2187	2695	3506	4158	-	-	-	
UNE0075LGE-A21A	3/4	Second Generation	NEU2178GK	16,8	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1101	1484	1936	2467	3041	3652	-	-	-	
UNE0075LGE-A22A	3/4	Second Generation	NEU2178GK	16,8	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1101	1484	1936	2467	3041	3652	-	-	-	
UNE0075LGD-A21A	3/4	Second Generation	NEU2178GK	16,8	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1112	1537	2016	2541	3061	3559	-	-	-	
UNE0075LGD-A22A	3/4	Second Generation	NEU2178GK	16,8	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1112	1537	2016	2541	3061	3559	-	-	-	
UNTO090LGE-A21A	7/8	Second Generation	NT2180GK	20,44	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1155	1664	2248	2910	3598	4305	-	-	-	
UNTO090LGE-A22A	7/8	Second Generation	NT2180GK	20,44	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1155	1664	2248	2910	3598	4305	-	-	-	
UNTO090LGD-A21A	7/8	Second Generation	NT2180GK	20,44	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1090	1613	2208	2876	3559	4237	-	-	-	
UNTO090LGD-A22A	7/8	Second Generation	NT2180GK	20,44	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1090	1613	2208	2876	3559	4237	-	-	-	
UNTO100LGD-A22A	1	Second Generation	NT2180GK	20,44	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1311	1806	2390	3064	3771	4486	-	-	-	
UNTO100MGG-A21A	1	Second Generation	NTU6232GKV	20,44	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4624	5751	6940	8225	-	
UNTO100MGG-A22A	1	Second Generation	NTU6232GKV	20,44	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4624	5751	6940	8225	-	
UNTO100MGD-A21A	1	Second Generation	NTU6232GKV	20,44	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4488	5712	6968	8223	-	
UNTO100MGD-A22A	1	Second Generation	NTU6232GKV	20,44	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4488	5712	6968	8223	-	
UNTO100MGG-A32A	1	Second Generation	NTU6232GKV	20,44	115V 60 Hz	Ultimate Compact	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4624	5751	6940	8225	-	
UNTO100MGD-A32A	1	Second Generation	NTU6232GKV	20,44	220V 60 Hz	Ultimate Compact	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	4488	5712	6968	8223	-	
UNTO075MGG-A21A	3/4	Second Generation	NT6222GKV	22,37	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	3384	4099	4888	5750	-	
UNTO075MGG-A22A	3/4	Second Generation	NT6222GKV	22,37	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	3384	4099	4888	5750	-	
UNTO075MGD-A21A	3/4	Second Generation	NT6222GKV	22,37	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	3320	4041	4809	5619	-	
UNTO075MGD-A22A	3/4	Second Generation	NT6222GKV	22,37	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	3320	4041	4809	5619	-	
UNTO100LGG-A21A	1	Second Generation	NT2192GK	22,4	115V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1314	1789	2339	2973	3652	4379	-	-	-	
UNTO100LGG-A22A	1	Second Generation	NT2192GK	22,4	115V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1314	1789	2339	2973	3652	4379	-	-	-	
UNTO100LGD-A21A	1	Second Generation	NT2192GK	22,4	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1311	1806	2390	3064	3771	4486	-	-	-	
UNTO125LGD-A21A	1 1/4	Second Generation	NT2212GK	27,8	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	LBP	110	1542	2183	2908	3717	4545	5372	-	-	-	
UNTO125LGD-A22A	1 1/4	Second Generation	NT2212GK	27,8	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	LBP	110	1542	2183	2908	3717	4545	5372	-	-	-	
UNTO140MGD-A21A	1 2/5	Second Generation	NTU6240GKV	27,8	220V 60 Hz	Plus	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	5988	7187	8343	9660	-	
UNTO140MGD-A22A	1 2/5	Second Generation	NTU6240GKV	27,8	220V 60 Hz	Ultimate	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	5988	7187	8343	9660	-	
UNTO125MGD-A32A	1 1/4	Second Generation	NTU6240GKV	27,8	220V 60 Hz	Ultimate Compact	TXV / EEV / Cap. Tube	MBP	110	-	-	-	-	5953	7137	8275	9569	-	



MODEL	PERFORMANCE DATA AMBIENT TEMPERATURE 89,6°F				GENERAL DIMENSIONS (without packaging)			WIRING DIAGRAM	ELECTRICAL DATA				
	POWER CONSUMPTION (-10°F) (W)	COP (-10°F) (W/W)	POWER CONSUMPTION (20°F) (W)	COP (20°F) (W/W)	HEIGHT (A) (mm)	LENGTH (B) (mm)	WIDTH (C) (mm)		COMPRESSOR RLA (A)	COMPRESSOR LRA (A)	MOP (A)	MCA (A)	PUMP DOWN CAPACITY (LBS)
UNE0080LGEA44M	2573	-	-	-	10,91	21,2	10,98	15358008	7,5	49	15	15	1,2
UNE0080LGEA24M	2573	-	-	-	10,91	21,2	10,98	15358008	7,5	49	15	15	1,2
UNE0060LGE-A21A	-	-	-	-	11,8	21,7	14,8	2196099	7,5	49	20	10,2	1,07
UNE0060LGE-A22A	-	-	-	-	11,8	21,7	14,8	2196102	7,5	49	20	10,2	1,07
UNE0060LGD-A21A	-	-	-	-	11,8	21,7	14,8	2196100	4,2	29	10	5,7	1,07
UNE0060LGD-A22A	-	-	-	-	11,8	21,7	14,8	2196104	4,2	29	10	5,7	1,07
UNTO065MGG-A21A	-	-	-	-	12,8	21,7	14,8	2196099	12,58	54,5	30	16,5	2,09
UNTO065MGG-A22A	-	-	-	-	12,8	21,7	14,8	2196102	12,58	54,5	30	16,5	2,09
UNTO065MGD-A21A	-	-	-	-	12,8	21,7	14,8	2196100	5,15	26,5	10	6,8	2,09
UNTO065MGD-A22A	-	-	-	-	12,8	21,7	14,8	2196104	5,15	26,5	10	6,8	2,09
UNTO050MGG-A32A	-	-	-	-	10,2	19,7	24,4	2196102	12,58	54,5	30	16,8	1,07
UNTO050MGD-A32A	-	-	-	-	10,2	19,7	24,4	2196104	4,2	29	10	5,8	1,07
UNE0090LGEA44M	2876	-	-	-	10,91	21,2	10,98	15358008	7,5	53	15	15	1,2
UNE0090LGEA24M	2876	-	-	-	10,91	21,2	10,98	15358008	7,5	53	15	15	1,2
UNE0075LGE-A21A	-	-	-	-	11,8	21,7	14,8	2196099	9,3	53	20	12,4	1,07
UNE0075LGE-A22A	-	-	-	-	11,8	21,7	14,8	2196102	9,3	53	20	12,4	1,07
UNE0075LGD-A21A	-	-	-	-	11,8	21,7	14,8	2196100	4,7	29	10	6,3	1,07
UNE0075LGD-A22A	-	-	-	-	11,8	21,7	14,8	2196104	4,7	29	10	6,3	1,07
UNTO090LGE-A21A	-	-	-	-	12,8	21,7	14,8	2196099	13	66	30	17,1	2,09
UNTO090LGE-A22A	-	-	-	-	12,8	21,7	14,8	2196102	13	66	30	17,1	2,09
UNTO090LGD-A21A	-	-	-	-	12,8	21,7	14,8	2196100	6	40	15	7,9	2,09
UNTO090LGD-A22A	-	-	-	-	12,8	21,7	14,8	2196104	6	40	15	7,9	2,09
UNTO100LGD-A22A	-	-	-	-	12,8	21,7	14,8	2196104	6	40	15	7,9	2,09
UNTO100MGG-A21A	-	-	-	-	16,9	24	18,4	2196099	17	93	40	22,1	2,09
UNTO100MGG-A22A	-	-	-	-	16,9	24	18,4	2196102	17	93	40	22,1	2,09
UNTO100MGD-A21A	-	-	-	-	16,9	24	18,4	2196100	7,7	46	20	10	2,09
UNTO100MGD-A22A	-	-	-	-	16,9	24	18,4	2196104	7,7	46	20	10	2,09
UNTO100MGG-A32A	-	-	-	-	12,8	19,7	25,2	2196102	17	93	40	22,9	1,07
UNTO100MGD-A32A	-	-	-	-	12,8	19,7	25,2	2196104	7,7	46	20	10,4	1,07
UNTO075MGG-A21A	-	-	-	-	12,8	21,7	14,8	2196099	14,6	70	35	19,1	2,09
UNTO075MGG-A22A	-	-	-	-	12,8	21,7	14,8	2196102	14,6	70	35	19,1	2,09
UNTO075MGD-A21A	-	-	-	-	12,8	21,7	14,8	2196100	8,02	33,7	20	10,4	2,09
UNTO075MGD-A22A	-	-	-	-	12,8	21,7	14,8	2196104	8,02	33,7	20	10,4	2,09
UNTO100LGG-A21A	-	-	-	-	12,8	21,7	14,8	2196099	15	56	35	19,6	2,09
UNTO100LGG-A22A	-	-	-	-	12,8	21,7	14,8	2196102	15	56	35	19,6	2,09
UNTO100LGD-A21A	-	-	-	-	12,8	21,7	14,8	2196100	6	40	15	7,9	2,09
UNTO125LGD-A21A	-	-	-	-	12,8	21,7	14,8	2196100	8	45	20	10,4	2,09
UNTO125LGD-A22A	-	-	-	-	12,8	21,7	14,8	2196104	8	45	20	10,4	2,09
UNTO140MGD-A21A	-	-	-	-	16,9	24	18,4	2196100	11	51	25	14,2	2,09
UNTO140MGD-A22A	-	-	-	-	16,9	24	18,4	2196104	11	51	25	14,1	2,09
UNTO125MGD-A32A	-	-	-	-	12,8	19,7	25,2	2196104	11	51	25	14,6	2,09

Wiring































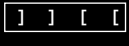





# Diagrams

think ahead

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*Nidec*

# Electrical Configurations

## Wiring Diagrams Key

	OVERLOAD PROTECTOR		PTC START DEVICE*
	OVERLOAD PROTECTOR		INTEGRATED PTC DEVICE
	CURRENT START RELAY		CURRENT START RELAY WITH CAPACITOR CONNECTIONS
	3CR CURRENT START RELAY		3ARR3 START RELAY (VOLTAGE).
	RUN CAPACITOR		RUN CAPACITOR (MANDATORY - NOT SUPPLIED)
	OPTIONAL RUN CAPACITOR		START CAPACITOR
	FAN		PUSH BUTTON
	LAMP		SINGLE PHASE MOTOR
	3-PHASE MOTOR		THERMOSTAT
	LOW-HIGH PRESSURE SWITCH		PILOT CIRCUIT 24 OR 220 V
	EARTH CONNECTION		COMMON (INTERNAL OVERLOAD PROTECTOR)
	3-PHASE SUPPLY		START
	SINGLE PHASE SUPPLY		BROWN CABLE
	COMMON		BLACK CABLE
	RUN		RED CABLE
	TERMINAL BLOCK		CONNECTIONS TO BE MADE BY THE CUSTOMER (NOT SUPPLIED)
	WHITE CABLE		
	BLUE CABLE		
	YELLOW-GREEN CABLE		
	CONNECTIONS SUPPLIED		

## Wiring Diagrams

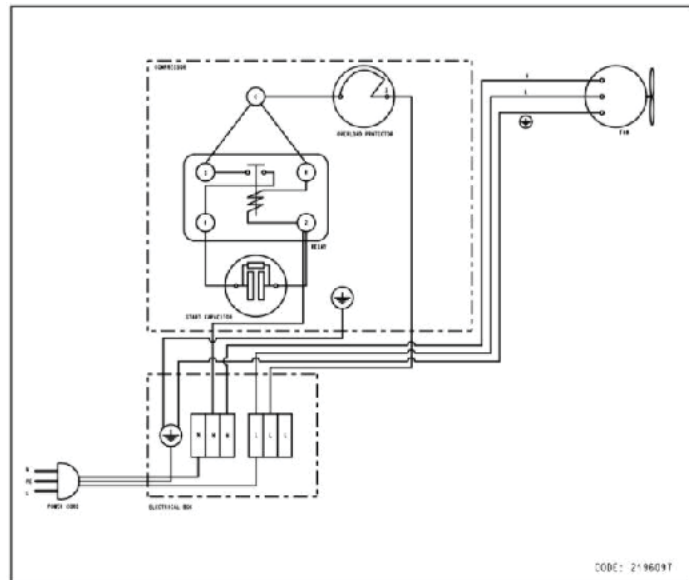
2196097

**NOTES:**

- 1-DIMENSIONS (WxH)mm (75x75)mm
- 2-SELF-ADHESIVE LABEL
- 3-BACKGROUND PRINTING:WHITE

**POZNAMKY:**

- 1-ROZMERY (SxV)mm (75x75)mm
- 2-SAMOLEPIACI STITOK
- 3-TLAC NA POZADI:BIELA



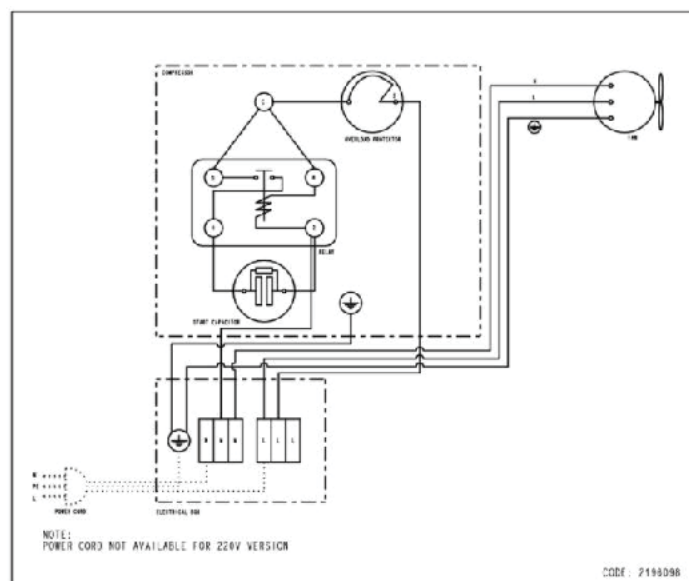
2196098

**NOTES:**

- 1-DIMENSIONS (WxH)mm (75x75)mm
- 2-SELF-ADHESIVE LABEL
- 3-BACKGROUND PRINTING:WHITE

**POZNAMKY:**

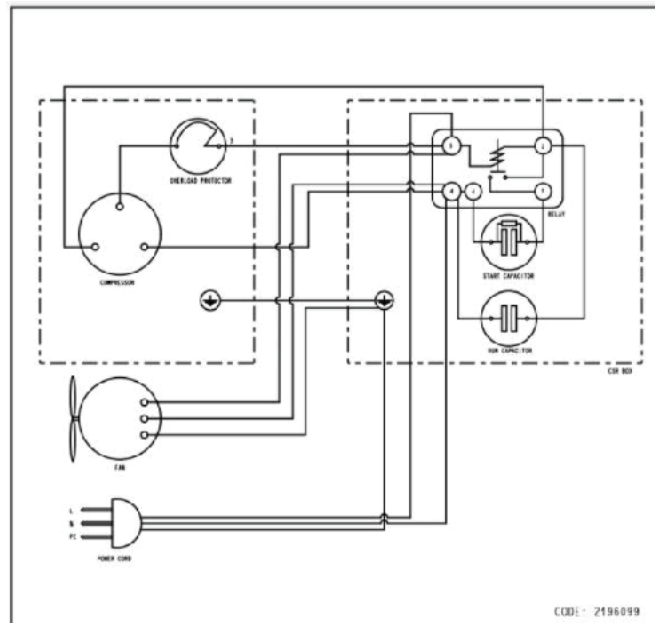
- 1-ROZMERY (SxV)mm (75x75)mm
- 2-SAMOLEPIACI STITOK
- 3-TLAC NA POZADI:BIELA





## Wiring Diagrams

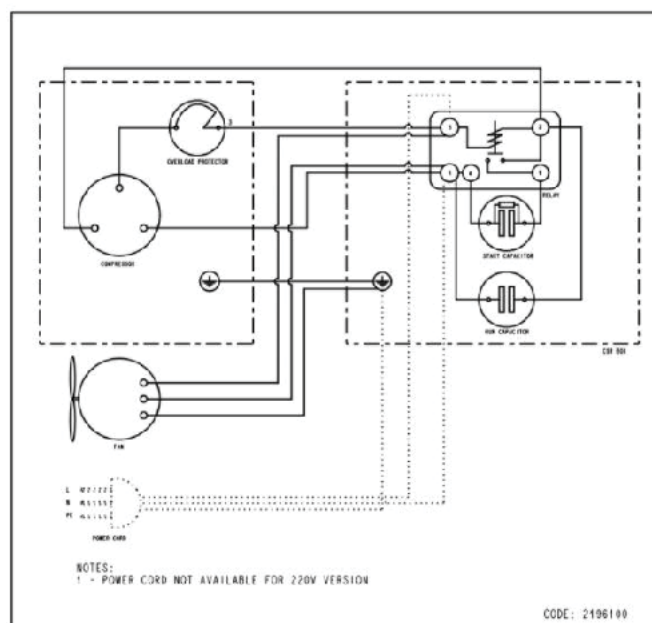
2196099



NOTES:  
 1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

POZNAMKY:  
 1-ROZMERY (SxV)mm (75x75)mm  
 2-SAMOLEPIACI STITOK  
 3-TLAC NA POZADI:BIELA

2196100



1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

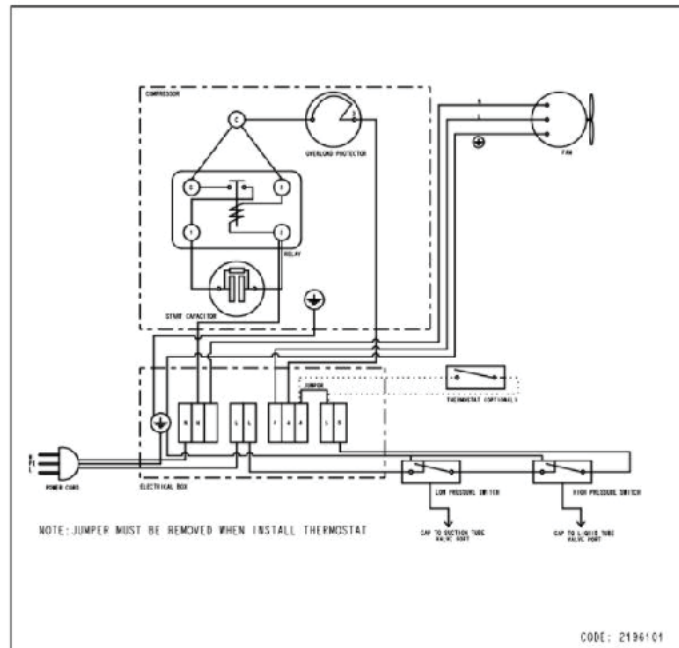
POZNAMKY:  
 1-ROZMERY (SxV)mm (75x75)mm  
 2-SAMOLEPIACI STITOK  
 3-TLAC NA POZADI:BIELA

## Wiring Diagrams

2196101

1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

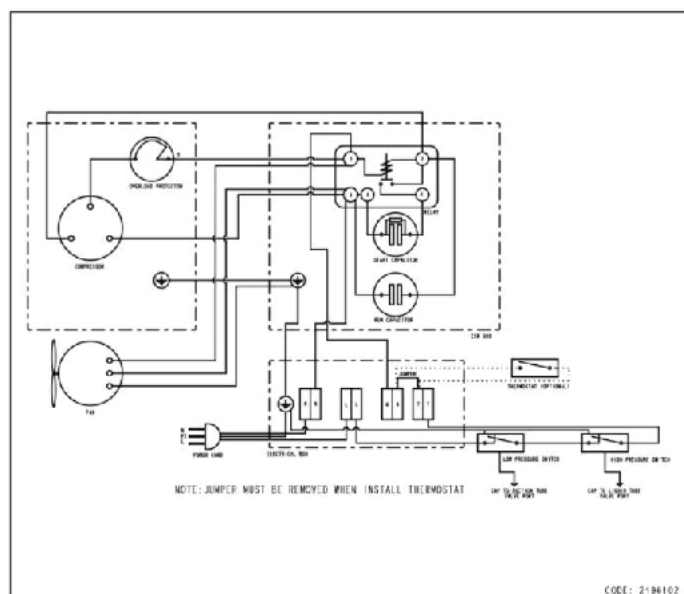
POZNAMKY:  
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 2-SAMOLEPIACI STITOK  
 3-TLAC NA POZADI:BIELA



2196102

1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

POZNAMKY:  
 1-ROZMERY (SxV)mm (75x75)mm  
 2-SAMOLEPIACI STITOK  
 3-TLAC NA POZADI:BIELA

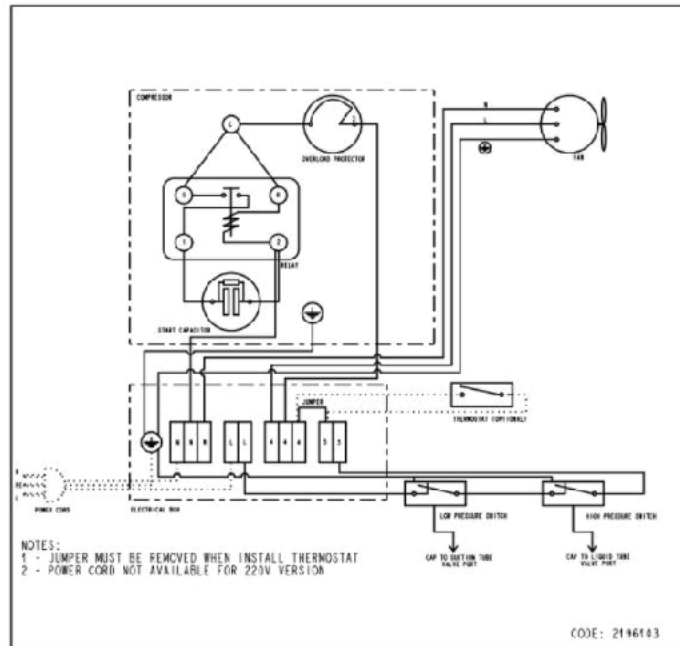


## Wiring Diagrams

2196103

1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

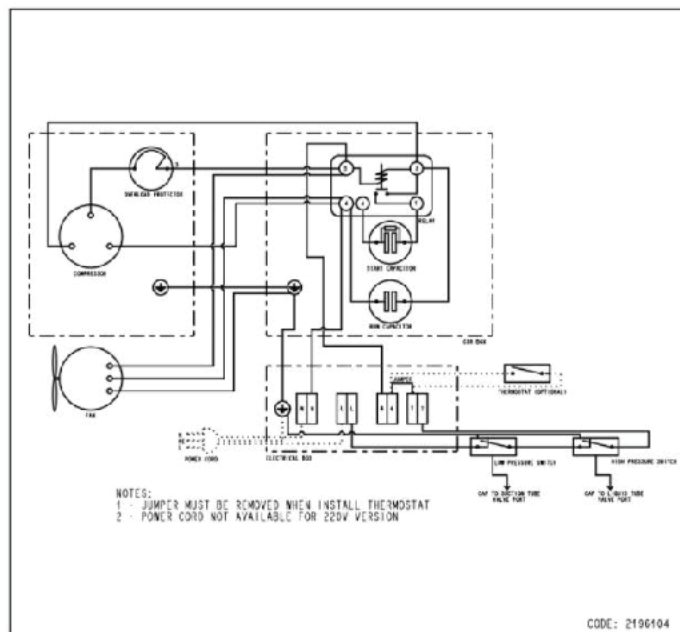
POZNAMKY:  
 1-ROZMERY (SxV)mm (75x75)mm  
 2-SAMOLEPIACI STIŤOK  
 3-TLAC NA POZADI:BIELA



2196104

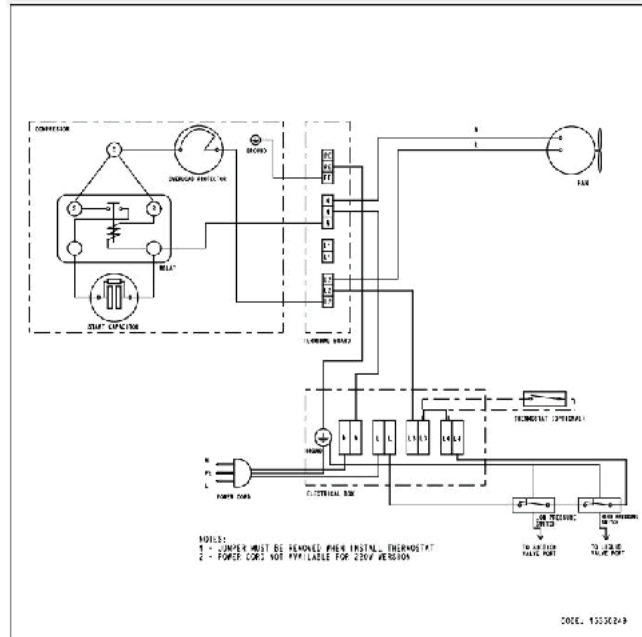
1-DIMENSIONS (WxH)mm (75x75)mm  
 2-SELF-ADHESIVE LABEL  
 3-BACKGROUND PRINTING:WHITE

POZNAMKY:  
 1-ROZMERY (SxV)mm (75x75)mm  
 2-SAMOLEPIACI STIŤOK  
 3-TLAC NA POZADI:BIELA



## Wiring Diagrams

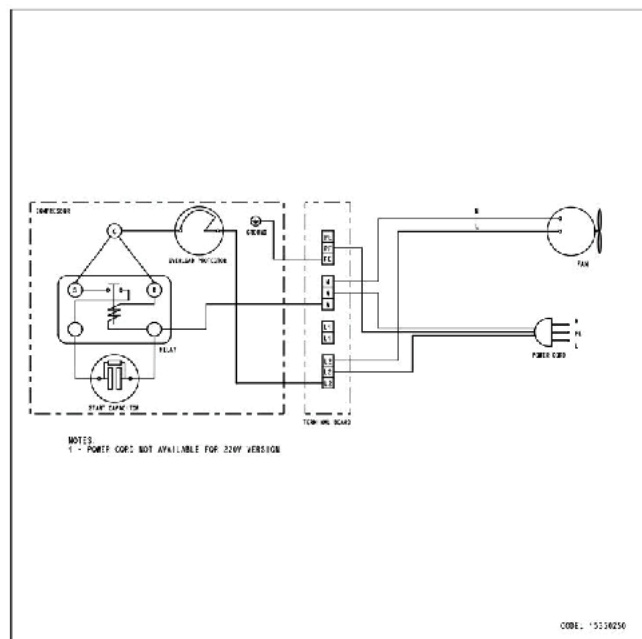
15350249



**NOTES:**

- 1 - DIMENSIONS (WxH)mm (75x75)mm
- 2 - SELF-ADHESIVE LABEL
- 3 - BACKGROUND PRINTING: WHITE
- 4 - QUOTES AND SPECIFICATIONS SIGNED WITH , ACCORDING TO TSS 002470.
- 5 - HAZARDOUS SUBSTANCES REQUIREMENTS MUST BE IN ACCORDANCE WITH TSS 002420

15350250

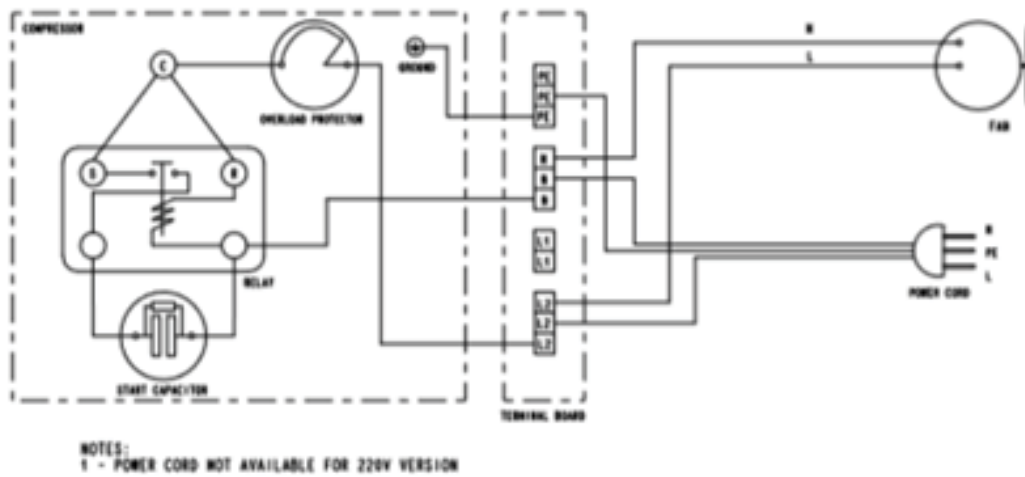


**NOTES:**

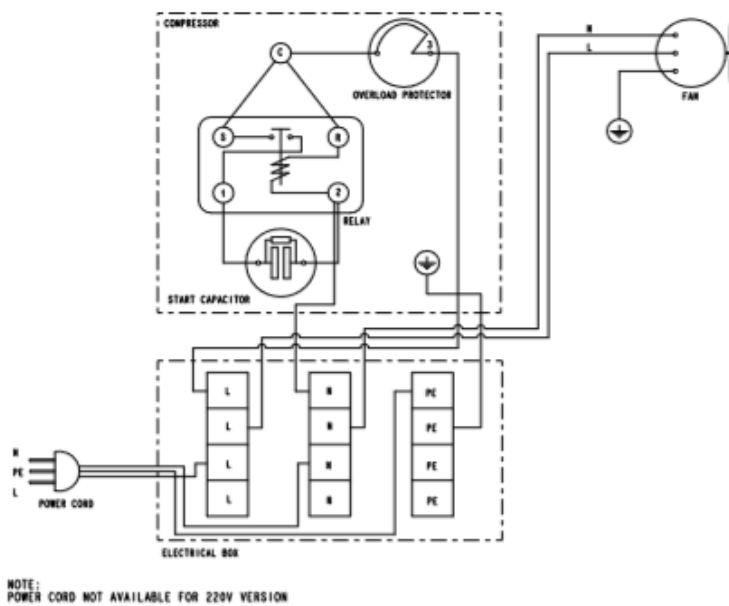
- 1 - DIMENSIONS (WxH)mm (75x75)mm
- 2 - SELF-ADHESIVE LABEL
- 3 - BACKGROUND PRINTING: WHITE
- 4 - QUOTES AND SPECIFICATIONS SIGNED WITH , ACCORDING TO TSS 002470.
- 5 - HAZARDOUS SUBSTANCES REQUIREMENTS MUST BE IN ACCORDANCE WITH TSS 002420

## Wiring Diagrams

15350250

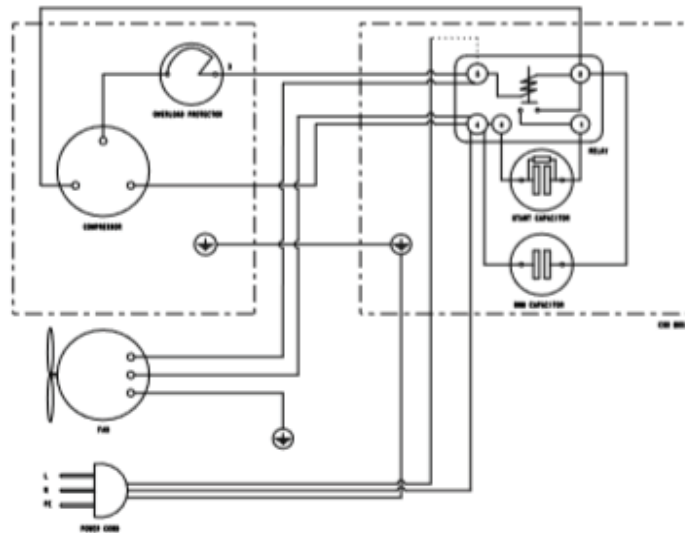


15358004



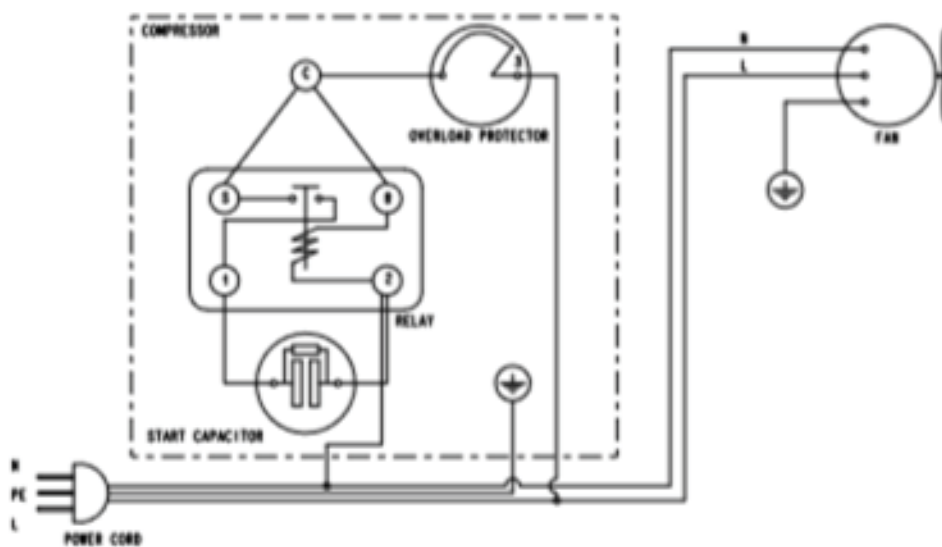
## Wiring Diagrams

15358008



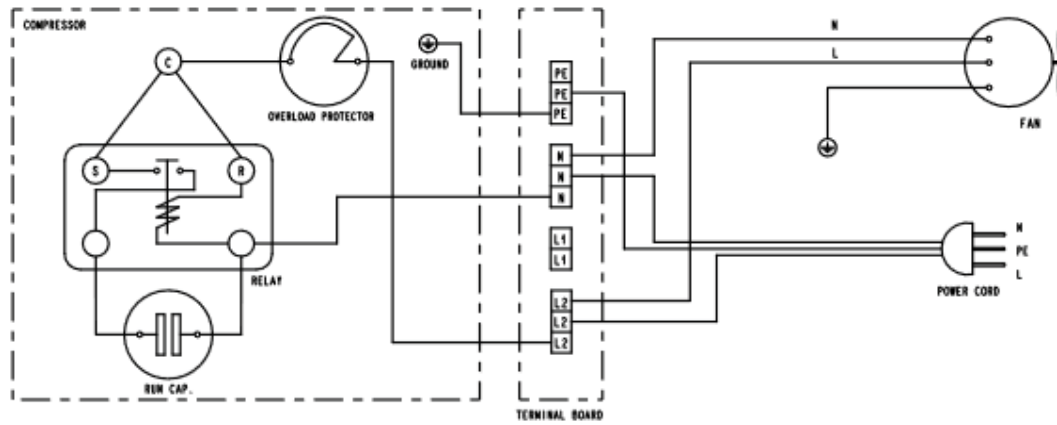
NOTES:  
1 - POWER CORD NOT AVAILABLE FOR 220V VERSION

15358009



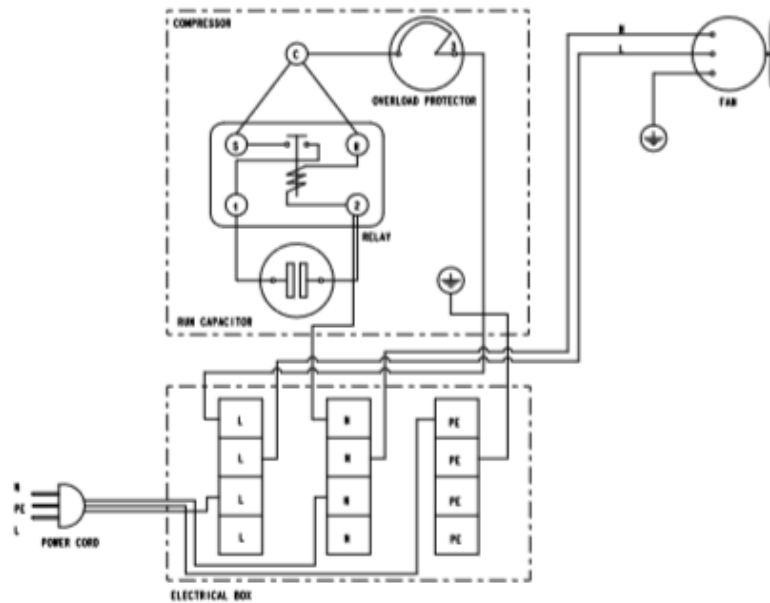
## Wiring Diagrams

15358005



NOTES:  
1 - POWER CORD NOT AVAILABLE FOR 220V VERSION

15358007



NOTE:  
POWER CORD NOT AVAILABLE FOR 220V VERSION



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Subject to alteration without previous notice  
2023

