

# Complete lineup of refrigeration solutions



## Replacement and Distribution



# WE ARE **NIDEC GLOBAL APPLIANCE**

A global partner for home and commercial appliances industries

With over 15,000 employees across 9 countries, Nidec Global Appliance manufactures and commercializes products for home and commercial applications, including refrigeration solutions, motors for washing machines, dryers and dishwashers, as well as components for heating, ventilation and air-conditioning systems (HVAC). The division is part of Nidec Corporation, a global leader in motors and components for a wide variety of industries, with headquarters in Japan.

The business division manufactures and commercializes **Embraco's cooling systems and compressors for a variety of refrigeration equipment.**



Your **global partner** in refrigeration since 1971



**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

Since 1971, Embraco offers a broad, efficient and competitive portfolio of cooling solutions for home appliances, food service, food retail, merchandisers and special applications. A pioneer brand in fostering the early development of variable speed and the use of natural refrigerants, Embraco continues to deliver innovation that exceeds the market's most challenging demands and anticipates industry trends.

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**Embraco website**  
in 11 languages  
www.embraco.com

# Our compressors

EM	APPLICATIONS	NT	APPLICATIONS
	Refrigerators and freezers		Beverage coolers; Ice maker
	Water cooler;		Beer dispenser; Reach-in; Chest Freezers
	Beer dispenser; Reach-in; Chest freezer		Upright cabinets
Capacity Btu/h	Max Efficiency Btu/Wh	Capacity Btu/h	Max Efficiency Btu/Wh
LBP: 201.19 HBP: 1019.59	LBP: 6.14 HBP: 2.62	LBP: 1,964 - 5,695 HBP: 5,490 - 13,248	LBP: 5.01 HBP: 9.58
Small dispenser; Food exhibitor	Beverage cooler; Ice maker	Ultra low temperature refrigerators; Professional kitchen	Slushy machine
NE	APPLICATIONS	NTU	APPLICATIONS
	Beverage cooler; Ice maker		Beverage cooler; Ice maker
	Beer dispenser; Reach-in; Chest freezer		Beer dispenser; Reach-in;
	Upright cabinets; Professional Kitchen		Upright cabinets;
Capacity Btu/h	Max Efficiency Btu/Wh	Capacity Btu/h	Max Efficiency Btu/Wh
LBP: 637-3,239 HBP: 1,759 - 7,816	LBP: 5.32 HBP: 9.51	HBP: 8,266 - 18,186	HBP: 10.54
Slushy machine; Show cases	Refrigerators and freezers;	Ultra low temperature refrigerators	Professional kitchen
Professional kitchen; Show cases	Professional kitchen; Show cases	Chest freezers	
F	APPLICATIONS	NJ	APPLICATIONS
	Water cooler; Beverage coolers; Ice maker		Beverage cooler; Ice maker
	Beer dispenser; Reach-in; Chest freezer		Reach-in; Chest freezer
	Professional kitchen; Vending machine		Ultra low temperature refrigerators
Capacity Btu/h	Max Efficiency Btu/Wh	Capacity Btu/h	Max Efficiency Btu/Wh
LBP: 546 - 1,671 HBP: 2,285 - 5,371	LBP: 5.39 HBP: 9.96	LBP: 1,937 - 7,379 HBP: 8,685 - 20,167	LBP: 5.11 HBP: 9.96
Wine coolers; Heat pumps	Food exhibitor; Refrigerated island;	Upright cabinets (air curtain)	Cold rooms
Show cases	Show cases		

# Nomenclature

## EM

EMIS70HHR

**COMPRESSOR FAMILY**  
EM

**PRODUCT GENERATION**

- - Standard Efficiency
- I - 1st Generation
- T - 2nd Generation
- U - 3rd Generation
- Y - 4th Generation
- Z - 5th Generation
- X - 6th Generation

**MECHANICAL KIT**

- S - Standard mechanical kit
- - Not standard

**COMPRESSOR CAPACITY**

In Btu/h – 60Hz – ASHRAE  
Checkpoint divided by 10

**REFRIGERANT CODE**

- - Blends
- C - R600a
- H - R134a
- U - R290
- L - R1234yf

**EFFICIENCY LEVEL**

- N - Standard efficiency (LBP)
- J - Intermediate efficiency (LBP)
- E - Improved efficiency 1st generation (LBP)
- S - Improved efficiency 2nd generation (LBP)
- H - Standard efficiency (L/M/HBP)
- D - Standard efficiency (HBP)
- B - Standard efficiency (M/HBP)
- L - Improved efficiency 2nd generation (LBP)

**ELECTRICAL COMPONENT**

- P - PTC + cap. func. (optional)
- R Relay
- C - PTC + cap. func. (mandatory)
- S - PTC + run capacitor + start capacitor
- V - PTC + run capacitor + start capacitor (optional)

- X - Relay + cap. part. (mandatory)

## F

FFUS130HAX

**COMPRESSOR FAMILY**  
F

**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**

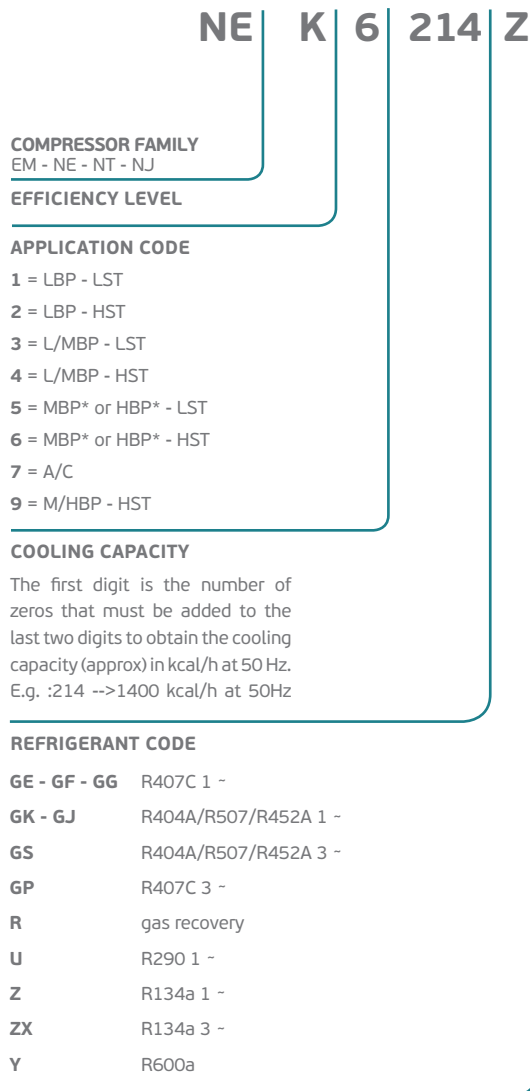
- A - L/MBP
- B - L/M/HBP

**STARTING TORQUE**

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

# Nomenclature

## NE/NT/NJ



## Technical Information

<b>LPB</b>	<b>LOW BACK PRESSURE</b>	<b>APPLICATION</b>
	Evaporating temperature between -35 °C/ -31 °F and -10 °C/ 14 °F	refrigerators, island coolers. etc.
<b>MPB</b>	<b>MEDIUM BACK PRESSURE</b>	<b>APPLICATION</b>
	Evaporating temperature between -15 °C/ 5 °F and 0 °C/ 32 °F	self-service coolers, beverage display, etc.
<b>HPB</b>	<b>HIGH BACK PRESSURE</b>	<b>APPLICATION</b>
	Evaporating temperature between 0 °C/ 32 °F and 15 °C/ 59 °F	self-service coolers, GDM, wine cooler, etc.

## Test Conditions

TEST CONDITIONS	APPLICATION	EVAPORATING TEMPERATURE °C / °F	CONDENSING TEMPERATURE °C / °F	RETURN TEMPERATURE °C / °F	SUB - COOLING 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 / -10	48.9 / 120	4.4 / 40	0	35 / 95
	MBP	-6.7 / 20	48.9 / 120	4.4 / 40	0	35 / 95
	HBP	7.2 / 4.5	54.4 / 130	18.3 / 65	8.3	35 / 95

## Cooling Type

<b>STATIC (S)</b>	Compressors approved for static cooling are those that don't allow operation of a fan motors associated with the condenser.
<b>FAN (F)</b>	Compressors approved for forced cooling are those that require the operation of a fan motors associated with the condenser.
<b>STATIC/FAN (E/F)</b>	Compressors approved for static and forced cooling are those which may or may not be used with fan motors associated with the condenser.

## Motor Torque

<b>LST</b>	(Low Starting Torque) Low starting torque: LBP/MBP/HBP/AC applications with RSIR/RSCR/PSC electric motors, Appropriate for systems with a capillary tube (c) expansion type device and equalized pressures on start up.
<b>HST</b>	(High Starting Torque) High starting torque: LBP/MBP/HBP/AC applications with CSIR/CSR electric motors, Appropriate for systems with expansion valve (V) or capillary tube expansion type device with disequalized pressures start up.

# Embraco Compressors

Refrigerant	PREVIOUS MODELS							OPTIMIZED AFTERMARKET MODELS						
	Model	Application	HP	Capacity (BTU/H) - ASHRAE				Model	Application	HP	Capacity (BTU/H) - ASHRAE			
				LBP	MBP	HBP32	HBP46				LBP	MBP	HBP32	HBP46
R-134a	EM20HHR	L/M/HBP	1/12	200	485	1,020		EM20HHR	L/M/HBP	1/12	200	485	1,020	
	EM30HHR	L/M/HBP	1/10	310				EMIS30HHR	L/M/HBP	1/10	340	742	1,480	
	EMU30HSC	LBP	1/10	328		1,380								
	EMI30HER	LBP	1/10	275										
	EMIS30HHR	L/M/HBP	1/10	340	742			EM45HHR	L/M/HBP	1/8	420	866	1,775	1,523
	EMI40HNR	LBP	1/10	380		1,480								
	EM45HNR	LBP	1/8	420										
	EMI45HER	LBP	1/8	420										
	EM45HHR	L/M/HBP	1/8	420	866	1,775	1,523	EMI55HER	LBP	1/6	510			
	EMI50HER	LBP	1/6	510										
	EM55HNX	LBP	1/6	510										
	EMI55HER	LBP	1/6	510				EM55HHR	HBP	1/6			2,150	1,837
	EM55HHR	HBP	1/6			2,150	1,837							
	EMI60HER	LBP	1/6	570				EMIS70HHR	L/M/HBP	1/5	700	1,601	2,870	2,581
	EM65HHC	L/M/HBP	1/6+	645		2,600								
	EM65HHR	M/HBP	1/6+		1,279	2,600								
	EM65HNR	L/MBP	1/6+	650										
	EMI70HER	LBP	1/5	705										
	EMI70HNR	L/MBP	1/5	705				EM2Z80HLT	LBP	1/4	815			
	EMIS70HHR	L/M/HBP	1/5	700	1,601	2,870	2,581							
	EM2Z80HLT	LBP	1/4	815				FF7.5HBK	L/M/HBP	1/5+	630	1,501	2,760	
	FF7.5HBK	L/M/HBP	1/5+	630	1,501	2,760								
	FF6HBK	L/M/HBP	1/5	570		2,520		FF8.5HBK	L/M/HBP	1/4	740	1,556	3,135	2,833
	EGY70HLP	LBP	1/4	685										
	FF8.5HBK	L/M/HBP	1/4	740	1,556	3,135	2,833							
	FF10HBK	L/M/HBP	1/4+	840	1,973	3,530		FF10HBX	L/M/HBP	1/4+	840	1,973	3,650	
	FF10HBX	L/M/HBP	1/4+	840	1,973	3,650								
	EGU90HLC	LBP	1/4+	950				FFI10HBX	L/M/HBP	1/3	1,065	2,239	4,400	3,934
	FFU100HAK	L/MBP	1/3	985										
	FFI10HBX	L/M/HBP	1/3	1,065	2,239	4,400	3,934							
	FFI12HBK	L/M/HBP	1/3+	1,190	2,547	5,300	4,600	FFI12HBX	L/M/HBP	1/3+	1,190	2,547	5,300	4,600
	FFI12HBX	L/M/HBP	1/3+	1,190	2,547	5,300	4,600							
	FFU80HAX	L/MBP	1/4+	828	2,030			FFU80HAX	L/MBP	1/4+	828	2,030		
	FFUS100HAX1	L/MBP	1/3	1,004	2,262			FFUS100HAX1	L/MBP	1/3	1,004	2,262		
	FFU100HAK1	L/MBP	1/3	985										
	FFUS100HAK1	L/MBP	1/3	1,006	2,262									
	FFUS100HAK2	L/MBP	1/3	1,006	2,262			FFUS100HAK2	L/MBP	1/3	1,006	2,262		
	FFI12HBK	L/M/HBP	1/3+	1,190	2,547	5,300	4,600	FFU130HAX	L/MBP	1/3+	1,250	3,022		
	FFI12HBX	L/M/HBP	1/3+	1,190	2,547	5,300	4,600							
	FFU130HAX	L/MBP	1/3+	1,250	3,022									
	FFU160HAX	L/MBP	1/2	1,516	3,605			FFU160HAX	L/MBP	1/2	1,516	3,605		
	NE2121Z	LBP	1/4	950	1,945			NE2121Z	LBP	1/4	950			
NE2130Z	LBP	1/3	1,252	2,481			NE2130Z	LBP	1/3	1,252				
NE2134Z	LBP	1/2	1,450	2,782			NE2134Z	LBP	1/2	1,450				
NEK2140Z	LBP	1/2	1,706				NEK2140Z	LBP	1/2	1,706				
NEU2140Z	LBP	1/2	1,748				NEU2140Z	LBP	1/2	1,748				
NB5132Z	M/HBP	1/6				1,729	NEK6132Z	M/HBP	1/6		782		1,762	
NB6132Z	M/HBP	1/6				1,773								
NEK6132Z	M/HBP	1/6		782		1,762								
NB5144Z	M/HBP	1/5-				2,112	NEK6144Z	M/HBP	1/6		988		2,183	
NB6144Z	M/HBP	1/6+				2,112								
NEK6144Z	M/HBP	1/6		988		2,183								
NE5160Z	M/HBP	1/4				2,857	NEK6160Z	M/HBP	1/4		1,569		2,884	
NE6160Z	M/HBP	1/4				2,857								
NEK6160Z	M/HBP	1/4		1,569		2,884								
NEU6160Z	M/HBP	1/4		1,918		3,107	NEU6160Z	M/HBP	1/4		1,918		3,107	
NE6170Z	M/HBP	1/4+		1,669		3,222	NEK6170Z	M/HBP	1/4		1,872	3,780	3,336	
NE5170Z	M/HBP	1/4+				3,278								
NEK6170Z	M/HBP	1/4+			1,872	3,780								3,336
NE5187Z	M/HBP	1/3+				4,371	NEK6187Z	M/HBP	1/3+		2,119	4,321	3,830	
NE6187Z	M/HBP	1/3+				4,371								
NEK6187Z	M/HBP	1/3+		2,119	4,321	3,830								

# Embraco Compressors

Refrigerant	PREVIOUS MODELS							OPTIMIZED AFTERMARKET MODELS						
	Model	Application	HP	Capacity (BTU/H) - ASHRAE				Model	Application	HP	Capacity (BTU/H) - ASHRAE			
				LBP	MBP	HBP32	HBP46				LBP	MBP	HBP32	HBP46
R-134a	NEU6187Z	M/HBP	1/3+		2,285		4,133	NEU6187Z	M/HBP	1/3+		2,285		4,133
	NE6210Z	M/HBP	1/2-				4,944	NEK6210Z	M/HBP	1/3+		2,537	5,140	4,524
	NEK6210Z	M/HBP	1/3+		2,537	5,140	4,524	NEU6210Z	M/HBP	1/3+		2,916		4,867
	NEU6210Z	M/HBP	1/3+		2,916		4,867	NEK6212Z	M/HBP	1/2		2,935	5,923	5,178
	NEK6212Z	M/HBP	1/2		2,935	5,923	5,178	NEU6212Z	M/HBP	1/2		3,142		5,675
	NEU6212Z	M/HBP	1/2		3,142		5,675	NEK6214Z	M/HBP	3/4-		3,343	6,769	5,960
	NEK6214Z	M/HBP	3/4-		3,343	6,769	5,960	NEU6214Z	M/HBP	1/2		3,911		6,429
	NEU6214Z	M/HBP	1/2		3,911		6,429	T6213Z	M/HBP	1/2+				5,855
	T6213Z	M/HBP	1/2+				5,855	T6215Z	M/HBP	3/4				6,880
	T6215Z	M/HBP	3/4				6,880	NT6215Z	M/HBP	1/2+		3,739		6,626
	NT6215Z	M/HBP	1/2+		3,739		6,626	T6217Z	M/HBP	3/4+				7,564
	T6217Z	M/HBP	3/4+				7,564	NT6217Z	M/HBP	3/4+		4,336		7,460
	NT6217Z	M/HBP	3/4+		4,336		7,460	NT6220Z	M/HBP	1		4,711		8,414
	NT6220Z	M/HBP	1		4,711		8,414	J6220Z	M/HBP	1				10,169
	J6220Z	M/HBP	1				10,169	NJ6220Z	M/HBP	1		4,468		10,169
	NJ6220Z	M/HBP	1		4,468		10,169	NJ6220ZX	M/HBP	1				10,169
	NJ6220ZX	M/HBP	1				10,169	J6226Z	M/HBP	1 1/4		6,482	11,882	11,130
	J6226Z	M/HBP	1 1/4		6,482	11,882	11,130	NJ6226Z	M/HBP	1 1/4		5,958		11,130
	NJ6226Z	M/HBP	1 1/4		5,958		11,130	NJ6226ZX	M/HBP	1 1/4				11,882
	NJ6226ZX	M/HBP	1 1/4				11,882							

Refrigerant	PREVIOUS MODELS							OPTIMIZED AFTERMARKET MODELS						
	Model	Application	HP	Capacity (BTU/H) - ASHRAE				Model	Application	HP	Capacity (BTU/H) - ASHRAE			
				LBP	MBP	HBP32	HBP46				LBP	MBP	HBP32	HBP46
R-404A	NEK2121GK	LBP	1/3	1,212				NEK2121GK	LBP	1/3	1,212			
	NE2125GK	LBP	1/3	1,242				NEK2125GK	LBP	1/3+	1,458			
	NEK2125GK	LBP	1/3+	1,458				NEK2134GK	LBP	1/2	1,948			
	NE2134GK	LBP	1/2	1,893				NEU2140GK	LBP	1/2	1,925			
	NEK2134GK	LBP	1/2	1,948				NEK2150GK	LBP	1/2+	2,493			
	NEU2140GK	LBP	1/2	1,925				NEU2155GK	LBP	1/2+	2,603			
	NEK2150GK	LBP	1/2+	2,493				NEK2168GK	LBP	3/4	2,841			
	NEU2155GK	LBP	1/2+	2,603				NEU2168GK	LBP	3/4	3,071			
	NEK2168GK	LBP	3/4	2,841				NEU2178GK	LBP	1	3,602			
	NEU2168GK	LBP	3/4	3,071				T2155GK	LBP	1/2+	2,330			
	NEU2178GK	LBP	1	3,602				T2168GK	LBP	3/4	3,008			
	T2155GK	LBP	1/2+	2,330				NT2168GK	LBP	3/4	2,628			
	T2168GK	LBP	3/4	3,008				NT2168GKV	LBP	3/4	2,628			
	NT2168GK	LBP	3/4	2,628				T2180GK	LBP	1	3,872			
	NT2168GKV	LBP	3/4	2,628				T2178GK	LBP	1	3,644			
	T2180GK	LBP	1	3,872				NT2178GK	LBP	1	3,585			
	T2178GK	LBP	1	3,644				NT2178GKV	LBP	1	3,585			
	NT2178GK	LBP	1	3,585				NT2180GKV	LBP	1	3,962			
	NT2178GKV	LBP	1	3,585				NT2192GKV	LBP	1 1/4	4,200			
	NT2180GKV	LBP	1	3,962				NJ2192GK	LBP	1 1/4	4,526			
NT2192GKV	LBP	1 1/4	4,200				NJ2192GJ	LBP	1 1/4	4,511				
NJ2192GK	LBP	1 1/4	4,526				NT2212GKV	LBP	1 1/2	5,710				
NJ2192GJ	LBP	1 1/4	4,511											
NT2212GKV	LBP	1 1/2	5,710											



# Embraco Compressors

Refrigerant	PREVIOUS MODELS							OPTIMIZED AFTERMARKET MODELS						
	Model	Application	HP	Capacity (BTU/H) - ASHRAE				Model	Application	HP	Capacity (BTU/H) - ASHRAE			
				LBP	MBP	HBP32	HBP46				LBP	MBP	HBP32	HBP46
R-404A	NJ2212GK	LBP	1 1/2	5,911				NJ2212GK	LBP	1 1/2	5,911			
	NJ2212GJ	LBP	1 1/2	6,309				NJ2212GJ*	LBP	1 1/2	6,309			
	NEK6181GK	M/HBP	1/3+		2,601	5,037	4,255	NEK6181GK	M/HBP	1/3+		2,601	5,037	4,255
	NEU6181GK	MBP	1/3+		2,260		4,140	NEU6181GK	MBP	1/3+		2,260		4,140
	NEU6210GK	MBP	1/2		2,603			NEU6210GK	MBP	1/2		2,603		
	NE6210GK	M/HBP	1/2-		2,854		5,030	NEK6210GK	MBP	1		3,210		5,355
	NEK6210GK	M/HBP	1/2		3,210	6,500	5,355	NEU6212GK	MBP	1/2		3,375		5,719
	NEU6212GK	MBP	1/2		3,375		5,719	NEK6213GK	MBP	1/2+		4,235		6,660
	NE9213GK	M/HBP	3/4		4,009		6,914	NEU6214GK	MBP	1/2		3,658		6,532
	NEK6213GK	M/HBP	1/2+		4,235	8,321	6,660	NEU6215GK	MBP	3/4		4,427		7,535
	NEU6214GK	MBP	1/2		3,658		6,532	NEU6220GK	MBP	3/4		5,143		8,846
	NEU6215GK	MBP	3/4		4,427		7,535	NT6217GKV	M/HBP	3/4		4,369		7,380
	NEU6220GK	MBP	3/4		5,143		8,846	NT6217GK	M/HBP	3/4		4,330		7,380
	NT6217GKV	M/HBP	3/4		4,369		7,380	T6217GK	M/HBP	3/4+				7,939
	NT6217GK	M/HBP	3/4		4,330		7,380	NT6220GK	M/HBP	3/4		4,926		8,464
	T6217GK	M/HBP	3/4+				7,939	NT6220GKV	M/HBP	3/4		5,015		8,706
	NT6220GK	M/HBP	3/4		4,926		8,464	T6220GK	M/HBP	1-				9,253
	NT6220GKV	M/HBP	3/4		5,015		8,706	NT6222GK	M/HBP	1				10,376
	T6220GK	M/HBP	1-				9,253	NT6222GKV	M/HBP	1		6,447		10,376
	T6222GK	M/HBP	1				11,276	NT6224GKV	M/HBP	1		7,348		12,326
	NT6222GK	M/HBP	1				10,376	NJ9226GK	MBP	1+		7,300		
	NT6222GKV	M/HBP	1		6,447		10,376	NJ9226GS	MBP	1+		7,723		
	NT6224GKV	M/HBP	1		7,348		12,326	NT6226GKV	M/HBP	1+		7,983		13,258
	NJ9226GK	MBP	1+		7,300			NT6226GK	M/HBP	1+		8,292		13,258
	NJ9226GS	MBP	1+		7,723			NTU6232GKV	MBP	1+		8,650		
	NT6226GKV	M/HBP	1+		7,983		13,258	NTU6234GKV	MBP	1 1/4		10,397		
	NT6226GK	M/HBP	1+		8,292		13,258	NJ9232GK	MBP	1 1/4		9,066		
	NTU6232GKV	MBP	1+		8,650			NJ9232GS	MBP	1 1/4		9,158		
	NTU6234GKV	MBP	1 1/4		10,397			NTU6238GKV	MBP	1 1/2		11,432		
	NJ9232GK	MBP	1 1/4		9,066			NJ9238GK	MBP	1 1/2		10,743		
NJ9232GS	MBP	1 1/4		9,158			NJ9238GS	MBP	1 1/2		11,324			
NTU6238GKV	MBP	1 1/2		11,432			NTU6240GKV	MBP	1 1/2		11,811			
NJ9238GK	MBP	1 1/2		10,743			NJX6250GKV	MBP	2		13,000		23,009	
NJ9238GS	MBP	1 1/2		11,324										
NTU6240GKV	MBP	1 1/2		11,811										
NJX6250GKV	MBP	2		13,000		23,009								

# Embraco Compressors

Refrigerant	PREVIOUS MODELS							OPTIMIZED AFTERMARKET MODELS									
	Model	Application	HP	Capacity (BTU/H) - ASHRAE				Model	Application	HP	Capacity (BTU/H) - ASHRAE						
				LBP	MBP	HBP32	HBP46				LBP	MBP	HBP32	HBP46			
R-290	EMI50UER	L/MBP	1/6	522	1,211			EMI50UER	L/MBP	1/6	522	1,211					
	EM2X3113U**	L/MBP	1/7+	665				EMI70UER	L/MBP	1/5+	699	1,538					
	EMI70UER	L/MBP	1/5+	699	1,538			EMX3115U	L/MBP	1/5	756	1,546					
	EMX3115U	L/MBP	1/5	756	1,546			EMI90UEX	L/MBP	1/4+	947	1,798					
	EM2X3117U**	L/MBP	1/5	880				EMC3121U	L/MBP	1/4	1,027	2,237					
	EMI90UEX	L/MBP	1/4+	947	1,798			EMC3125U	L/MBP	1/4	1,235	2,584					
	EM2X3121U	L/MBP	1/4+	1,135	1,976			EMC3130U	L/MBP	1/3	1,426						
	EMC3121U	L/MBP	1/4	1,027	2,237			EMC3140U	L/MBP	1/2	1,991						
	EM2X3125U	L/MBP	1/4+	1,231	2,163			EMC3140U	L/MBP	1/2	1,991						
	EMC3125U	L/MBP	1/4	1,235	2,584			FFU130UAX	L/MBP	1/3+	1,358	2,447					
	EMC3130U	L/MBP	1/3	1,426				NEU6181U	MBP	1/3		2,465					
	EMC3134U	L/MBP	1/2	1,692				FFU160UAX	L/MBP	1/2	1,718	2,969					
	EMC3140U	L/MBP	1/2	1,991				NEU2140U	LBP	1/2	1,965						
	FFU130UAX	L/MBP	1/3+	1,358	2,447			NEU2155U	LBP	1/2	2,586						
	NEU6181U	MBP	1/3		2,465			NEU2168U	LBP	3/4	3,241						
	FFU160UAX	L/MBP	1/2	1,718	2,969			NT2160UV	LBP	3/4	2,822						
	NEU2140U	LBP	1/2	1,965				NT2170UV	LBP	3/4	3,315						
	NEU2155U	LBP	1/2	2,586				NT2180UV	LBP	1	3,577						
	NEU2168U	LBP	3/4	3,241				NT2210UV	LBP	1 1/4	4,514						
	NT2160UV	LBP	3/4	2,822				NEU6214U	MBP	3/4		4,180					
NT2170UV	LBP	3/4	3,315				NEU6217U	MBP	3/4		5,190						
NT2180UV	LBP	1	3,577														
NT2210UV	LBP	1 1/4	4,514														
NEU6214U	MBP	3/4		4,180													
NEU6217U	MBP	3/4		5,190													
Blend / R-12	EM30SC	LBP	1/10	315				EMI30ER	LBP	1/10	350						
	EMI30ER	LBP	1/10	350													
	EM40NR	LBP	1/8	420													
	EM40SC	LBP	1/8	425													
	EMI45ER	LBP	1/8	485				EMI45ER	LBP	1/8	485						
	EM65NR	LBP	1/5	635				EM65NR	LBP	1/5	635						
	FFI12BK	L/M/HBP	1/3+	1,350		4,600		FFI12BX	L/M/HBP	1/3+	1,350						
	FFI12BKW	L/M/HBP	1/3+	1,350		4,600										5,000	
	FFI12BX	L/M/HBP	1/3+	1,350		5,000											

\* Available also in Gemini/Tandem option (rotolock shells with an oil equalization tube in the crankcase)  
 \*\*Slight piping modifications, check spec sheets

**Note:** Cross reference comparisons do not imply that all products compared are exact in reference to form, fit and function. Review specifications carefully prior to purchase.

	Checkpoint Temperatures (°F)			
	ASHRAE			
	LBP	MBP	HBP32	HBP46
Evap.:	-10	20	45	45
Cond.:	130	130	130	130
Liq.:	90	115	90	115
Amb.:	90	95	90	95
Suct.:	90	95	90	95



# Second Generation Condensing Units

Embraco's **new generation of condensing units** are even easier to service and sturdier. Available in 3 feature packages, the units come with components commonly found in the aftermarket and standard electrical connections.

HIGH QUALITY AND STURDINESS
Anti-corrosion painting on coils
Condenser coil protection and end cover
Designed for 110° F ambient temperature
Factory nitrogen holding charged

EASE OF SERVICE
Wiring follows National Electrical Code (NEC)
Standard electrical connections
All units are compliant with UL requirements
Components commonly found in the replacement market



**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

# Embraco Condensing Units

Refrig.	Applic.	HP	Voltage / Frequency	Compressor Model	Condensing Unit Model	Version		SKU	Suction Line		Liquid Line		Length		Width		Height		Weight		Capacity (Btu/h) / Evap Temp °F (°C)		Compressor LRA	Compressor RLA	Fan Motor FLA	Cond. Unit MCA	Cond. Unit Max Fuse
									(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	-20°F (-29°C)	-10°F (-23°C)					
R134a*	L/MBP	1/10	115-127V/1/60HZ	FFU80HAX	UFF0010XZE	-A11A	BARE	515302003	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	42.2	19.2	655	871	30.50	4.00	0.53	5.50	10
						-A21A	PLUS	515302004	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	43.6	19.8							
		1/5	115V/1/60HZ	FF10HBX	UFF0020XZG	-A11A	BARE	515302007	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	42.2	19.2	690	934	35.00	5.70	0.53	7.70	15
						-A21A	PLUS	515302160	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	43.6	19.8							
		1/4	115-127V/1/60HZ	FFU130HAX	UFF0025XZE	-A11A	BARE	515302013	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	42.2	19.2	913	1227	40.30	3.40	0.53	4.80	10
						-A21A	PLUS	515302014	3/8"	9.5	1/4"	6.4	18.8	477	11.4	290	10	254	43.6	19.8							
	1/3	115-127V/1/60HZ	FFU160HAX	UFF0033XZE	-A11A	BARE	515302015	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	44.9	20.4	1,198	1,549	44.50	8.10	0.80	10.90	20	
					-A21A	PLUS	515302018	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	46.2	21								
					-A22A	ULTIMATE	515302019	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	48.6	22.1								
		208-230V/1/60HZ	FFU160HAX	UFF0033XZD	-A11A	BARE	515302020	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	44.9	20.4	1,202	1,573	19.00	3.90	0.40	5.30	10	
					-A21A	PLUS	515302023	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	46.2	21								
					-A22A	ULTIMATE	515302024	3/8"	9.5	1/4"	6.4	18.6	473	15.2	385	12	305	48.6	22.1								

Refrig.	Applic.	HP	Voltage / Frequency	Compressor Model	Condensing Unit Model	Version		SKU	Suction Line		Liquid Line		Length		Width		Height		Weight		Capacity (Btu/h) / Evap Temp °F (°C)		Compressor LRA	Compressor RLA	Fan Motor FLA	Cond. Unit MCA	Cond. Unit Max Fuse
									(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	10°F (-12,2°C)	20°F (-6,7°C)					
R134a*	MBP	2/5	115-127V/1/60HZ	NEU6212Z	UNE0045MZE	-A21A	PLUS	668GEN601AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21	2,760	3,443	43	8.04	0.8	10.9	20
						-A22A	ULTIMATE	668GEN601DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	48.6	22.1							
			220V/50-60HZ	NEU6212Z	UNE0045MZB	-A21A	PLUS	668GBN601AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21	2,725	3,390	26	3.56	0.4	4.9	10
						-A22A	ULTIMATE	668GBN601DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	48.6	22.1							
			115-127V/1/60HZ	NEU6214Z	UNE0050MZE	-A21A	PLUS	668NEN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21	3,078	3,834	50	10.01	0.8	13.3	25
						-A22A	ULTIMATE	668NEN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	48.6	22.1							
		208-230V/1/60HZ	NEU6214Z	UNE0050MZD	-A21A	PLUS	668NDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21	3,031	3,753	30	5.65	0.4	7.5	15	
					-A22A	ULTIMATE	668NDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21								
		115V/1/60HZ	NT6220Z	UNT0060MZG	-A21A	PLUS	603CGN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	56.5	25.7	3,902	4,814	33.7	8.5	0.8	11.4	20	
					-A22A	ULTIMATE	603CGN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	59	26.8								
					-A21A	PLUS	603CDN601AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	56.5	25.7								
		208-230V/1/60HZ	NT6220Z	UNT0060MZD	-A21A	PLUS	603CDN601AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	56.5	25.7	3,930	4,826	54.5	11	0.4	14.2	25	
					-A22A	ULTIMATE	603CDN601DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	59	26.8								
					-A21A	PLUS	604BGN610AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	69.7	31.7								
		115V/1/60HZ	NTU6224ZV	UNT0100MZG	-A21A	PLUS	604BGN610AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	72.2	32.8	6,031	7,699	78	13.6	0.81	17.8	30	
					-A22A	ULTIMATE	604BGN610DA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	66.9	30.4								
					-A21A	PLUS	604BDN604AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	66.9	30.4								
		208-230V/1/60HZ	NTU6224ZV	UNT0100MZD	-A21A	PLUS	604BDN604AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	66.9	30.4	6,050	7,640	46	8	0.4	10.4	20	
-A22A	ULTIMATE				604BDN604DA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	66.9	30.4										

# Embraco Condensing Units

Refrig.	Applc.	HP	Voltage / Frequency	Compressor Model	Condensing Unit Model	Version		SKU	Suction Line		Liquid Line		Length		Width		Height		Weight		Capacity (Btu/h) / Evap Temp °F (°C)		Compressor LRA	Compressor RLA	Fan Motor FLA	Cond. Unit MCA	Cond. Unit Max Fuse
						-A11A	BARE		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	-20°F (-29°C)	-10°F (-23°C)					
R404A**	LBP	1/5	115V/1/60HZ	NEK2121GK	UNE0020LGG	-A11A	BARE	657DGM501AA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	40.3	18.3	933	1178	27.00	4.17	0.53	5.70	10
						-A21A	PLUS	657DGN601AA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	41.6	18.9							
						-A22A	ULTIMATE	657DGN601DA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	44	20							
		1/3	115-127V/1/60HZ	NEU2140GK	UNE0033LGE	-A21A	PLUS	568JEN601AA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	43.6	19.8	1,309	1,658	30.00	5.39	0.53	7.30	15
						-A22A	ULTIMATE	568JEN601DA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	46	20.9							
			220V/50-60HZ	NEU2140GK	UNE0033LGB	-A21A	PLUS	568JBN601AA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	43.6	19.8	1,393	1,759	18.00	2.80	0.27	3.80	10
						-A22A	ULTIMATE	568JBN601DA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	46	20.9							
		3/5	115-127V/1/60HZ	NEU2168GK	UNE0060LGE	-A21A	PLUS	569MEN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	48.2	21.9	2,119	2,701	49.00	7.50	0.80	10.20	20
						-A22A	ULTIMATE	569MEN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	50.6	23							
			208-230V/1/60HZ	NEU2168GK	UNE0060LGD	-A21A	PLUS	569MDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	48.2	21.9	2,259	2,866	29.00	4.20	0.40	5.70	10
		-A22A				ULTIMATE	569MDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	50.6	23								
		3/4	115-127V/1/60HZ	NEU2178GK	UNE0075LGE	-A21A	PLUS	569OEN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	48.2	21.9	2,398	3,039	53.00	9.30	0.80	12.40	20
						-A22A	ULTIMATE	569OEN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	50.6	23							
			208-230V/1/60HZ	NEU2178GK	UNE0075LGD	-A21A	PLUS	569ODN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	48.2	21.9	2,524	3,216	29.00	4.70	0.40	6.30	10
						-A22A	ULTIMATE	569ODN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	50.6	23							
		7/8	115-127V/1/60HZ	NT2180GK	UNT0090LGE	-A21A	PLUS	503HGN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.7	31.7	2,904	3,723	66.00	13.00	0.80	17.10	30
						-A22A	ULTIMATE	503HGN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	72.2	32.8							
			208-230V/1/60HZ	NT2180GK	UNT0090LGD	-A21A	PLUS	503HDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.7	31.7	2,859	3,654	40.00	6.00	0.40	7.90	15
		-A22A				ULTIMATE	503HDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	72.2	32.8								
		1	115V/1/60HZ	NT2192GK	UNT0100LGG	-A21A	PLUS	503EGN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.7	31.7	2,973	3,804	56.00	15.00	0.80	19.60	35
						-A22A	ULTIMATE	503EGN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	72.2	32.8							
			208-230V/1/60HZ	NT2192GK	UNT0100LGD	-A21A	PLUS	503EDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.7	31.7	3,039	3,845	40.00	6.00	0.40	7.90	15
						-A22A	ULTIMATE	503EDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.7	31.7							
		1 1/4	208-230V/1/60HZ	NT2212GK	UNT0125LGD	-A21A	PLUS	505DDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	76.8	34.9	3,673	4,614	45.00	8.00	0.40	10.40	20
-A22A	ULTIMATE					505DDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	79.2	36									

# Embraco Condensing Units

Refrig.	Applic.	HP	Voltage / Frequency	Compressor Model	Condensing Unit Model	Version		SKU	Suction Line		Liquid Line		Length		Width		Height		Weight		Capacity (Btu/h) / Evap Temp °F (°C)		Compressor LRA	Compressor RLA	Fan Motor FLA	Cond. Unit MCA	Cond. Unit Max Fuse
									(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	10°F (-12,2°C)	20°F (-6,7°C)					
R404A**	MBP	1/4	115 -127V/1/60HZ	NEU6181GK	UNE0025MGE	-A11A	BARE	657AEM501AA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	40.3	18.3	2,040	2,512	31.00	6.00	0.80	8.30	15
				-A21A	PLUS	657AENG01AA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	41.6	18.9									
			115V/1/60HZ	NEK6152GK	UNE0025MGG	-A11A	BARE	657LGM501AA	3/8"	9.5	1/4"	6.4	17.7	450	11.7	296.2	10.2	259	35.2	16	1,652	1,989	34.00	4.80	0.80	6.80	10
		1/3	115 -127V/1/60HZ	NEU6210GK	UNE0033MGE	-A11A	BARE	668IEM501AA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	44.9	20.4	2,291	2,849	39.00	6.85	0.80	9.40	15
						-A21A	PLUS	668IEN601AA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	46.2	21							
						-A22A	ULTIMATE	668IEN601DA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	44.9	22.1							
		2/5	115 -127V/1/60HZ	NEU6212GK	UNE0040MGE	-A11A	BARE	667HEM501AA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	44.9	20.4	2,645	3,261	39.00	7.20	0.80	9.80	15
						-A21A	PLUS	TBD	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	46.2	21							
						-A22A	ULTIMATE	667HEN601DA	3/8"	9.5	1/4"	6.4	21.7	550	14.8	376.4	11.9	302	48.6	22.1							
		1/2	115 -127V/1/60HZ	NEU6214GK	UNE0050MGE	-A11A	BARE	659WEM510AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	44.9	20.4	3,104	3,737	42.00	7.50	0.80	10.20	20
						-A21A	PLUS	659WEN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	46.2	21							
						-A22A	ULTIMATE	659WEN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.9	302	48.6	22.1							
		3/5	115 -127V/1/60HZ	NEU6215GK	UNE0060MGE	-A21A	PLUS	669NEN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	61.4	27.9	3,620	4,375	47.00	11.49	0.80	15.20	25
				-A22A	ULTIMATE	669NEN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	63.8	29									
			208-230V/1/60HZ	NEU6215GK	UNE0060MGD	-A21A	PLUS	669NDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	61.4	27.9	3,712	4,439	34.00	6.27	0.40	8.20	15
		-A22A	ULTIMATE	669NDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	11.8	299	63.8	29											
		5/8	115V/1/60HZ	NT6220GKV	UNT0065MGG	-A21A	PLUS	602BGN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	53.2	24.2	4,278	5,176	54.50	12.58	0.80	16.50	30
				-A22A	ULTIMATE	602BGN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	55.7	25.3									
			208-230V/1/60HZ	NT6220GKV	UNT0065MGD	-A21A	PLUS	602BDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	53.2	24.2	4,341	5,174	26.50	5.15	0.40	6.80	10
		-A22A	ULTIMATE	602BDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	55.7	25.3											
		3/4	115V/1/60HZ	NT6222GKV	UNT0075MGG	-A21A	PLUS	602CGN610AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	66.9	30.4	5,046	5,979	70.00	14.60	0.80	19.10	35
				-A22A	ULTIMATE	602CGN610DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.3	31.5									
			208-230V/1/60HZ	NT6222GKV	UNT0075MGD	-A21A	PLUS	602CDN604AA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	66.9	30.4	4,991	5,919	33.70	8.02	0.40	10.40	20
		-A22A	ULTIMATE	602CDN604DA	1/2"	12.7	3/8"	9.5	21.7	550	14.8	376.4	12.8	324	69.3	31.5											
1	115V/1/60HZ	NTU6232GKV	UNT0100MGG	-A21A	PLUS	605AGN610AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	69.7	31.7	7,134	8,557	93.00	17.00	0.81	22.10	40		
		-A22A	ULTIMATE	605AGN610DA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	72.2	32.8											
	208-230V/1/60HZ	NTU6232GKV	UNT0100MGD	-A21A	PLUS	605ADN604AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	66.9	30.4	6,984	8,445	46.00	7.70	0.40	10.00	20		
-A22A	ULTIMATE	605ADN604DA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	69.3	31.5													
1 2/5	208-230V/1/60HZ	NTU6240GKV	UNT0140MGD	-A21A	PLUS	605FDN604AA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	69.7	31.7	8,974	10,484	51.00	11.00	0.40	14.20	25		
				-A22A	ULTIMATE	605FDN604DA	5/8"	15.9	3/8"	9.5	24	610	18.4	468.2	16.9	430	72.2	32.8									

# Embraco Condensing Units

Refrig.	Applic.	HP	Voltage / Frequency	Compressor Model	Condensing Unit Model	Version		SKU	Suction Line		Liquid Line		Length		Width		Height		Weight		Capacity (Btu/h) / Evap Temp °F (°C)		Compressor LRA	Compressor RLA	Fan Motor FLA	Cond. Unit MCA	Cond. Unit Max Fuse
									(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs)	(kg)	10°F (-12,2°C)	20°F (-6,7°C)					
R404A**	MBP	1/2	115V/1/60HZ	NT6220GKV	UNT0050MGG	-A32A	ULTIMATE COMPACT	602BGNF10DA	1/2"	12.7	3/8"	9.5	19.7	500	24.4	620	10.2	259	60.3	27.4	4,199	5,064	54.5	12.58	1.06	16.8	30
			208-230V/1/60HZ	NT6220GKV	UNT0050MGD	-A32A	ULTIMATE COMPACT	602BDNF04DA	1/2"	12.7	3/8"	9.5	19.7	500	24.4	620	10.2	259	60.3	27.4	4,267	5,069	29.0	4.20	0.54	5.8	10
		1	115V/1/60HZ	NTU6232GKV	UNT0100MGG	-A32A	ULTIMATE COMPACT	605AGNF10DA	5/8"	15.9	3/8"	9.5	19.7	500	25.2	640	12.8	324	88.7	40.3	6,969	8,330	93.0	17.00	1.60	22.9	40
			208-230V/1/60HZ	NTU6232GKV	UNT0100MGD	-A32A	ULTIMATE COMPACT	605ADNF04DA	5/8"	15.9	3/8"	9.5	19.7	500	25.2	640	12.8	324	87.6	39.8	6,830	8,231	46.0	7.70	0.80	10.4	20
		1 1/4	208-230V/1/60HZ	NTU6240GKV	UNT0125MGD	-A32A	ULTIMATE COMPACT	605FDNF04DA	5/8"	15.9	3/8"	9.5	19.7	500	25.2	640	12.8	324	90.4	41.1	8,926	10,419	51.0	11.00	0.80	14.6	25

\*R513A performance can be provided under request.

\*\*R448A, R449A performance can be provided under request.

UF units envelope: Max Tcond 60°C/140°F (steady state condition)

UN units envelope: Max Tcond 55°C/130°F (steady state condition)

Application	Return Gas Temperature	Sub-cooling	Ambient Temperature
LBP, L/MBP	4.4°C / 40°F	5.0°F / 2.8°C	90°F / 32°C
MBP	18.3°C / 65°F	5.0°F / 2.8°C	90°F / 32°C

# ESP - Embraco Service Parts

Genuine factory replacement parts for the professional refrigeration technician.



REFRIGERANT	MODEL	RELAY	OVERLOAD	START CAP	RUN CAP
R-134a	EM20HHR1	513514024-ESP	513634700-ESP	N/A	N/A
	EMIS30HHR1	513515003-ESP	513554064-ESP	513556549-ESP	N/A
	EM45HHR1	513515292-ESP	513634475-ESP	513556521-ESP	N/A
	EMI55HER1	513515292-ESP	513634548-ESP	513556561-ESP	N/A
	EM55HHR1	513514069-ESP	513634530-ESP	N/A	N/A
	EMIG0HER1	513514083-ESP	513504690-ESP	N/A	N/A
	EMIS70HHR1	513514069-ESP	513634015-ESP	N/A	N/A
	EMIS70HHR1-CAP	513515250-ESP	513634015-ESP	513556005-ESP	N/A
	EM2Z80HLT1	513605003-ESP	Inc. with TSD	N/A	US-24156-ESP
	FF7.5HBK1	513516134-ESP	513554714-ESP	N/A	N/A
	FF8.5HBK1	513516169-ESP	513554000-ESP	N/A	N/A
	FF8.5HBK1-CAP	513516175-ESP	513554000-ESP	513556529-ESP	N/A
	FF10HBK1	513516185-ESP	513554447-ESP	N/A	N/A
	FF10HBX1	513516191-ESP	513554609-ESP	513556529-ESP	N/A
	FFI10HBX1	513516191-ESP	513554609-ESP	513556529-ESP	N/A
	FFI12HBX1	513516053-ESP	513554095-ESP	513556535-ESP	N/A
	FFU80HAX	513516094-ESP	513634483-ESP	513556005-ESP	N/A
	FFUS100HAX1	513516191-ESP	513554006-ESP	513556595-ESP	N/A
	FFU130HAX1	513516053-ESP	513554617-ESP	513556535-ESP	N/A
	FFU160HAX1	513516053-ESP	513554029-ESP	513556535-ESP	N/A
	NE2121Z1	2283001-ESP	2321018-ESP	2252230-ESP	N/A
	NE2130Z1	2271116-ESP	2324059-ESP	2252282-ESP	N/A
	NE2134Z1	2271011-ESP	2324063-ESP	2252320-ESP	N/A
	NT2134Z1	2271146-ESP	2324118-ESP	2252369-ESP	N/A
	NEK2140Z1	2271053-ESP	2324092-ESP	2252324-ESP	N/A
	NEU2140Z1	2271157-ESP	2324126-ESP	2252324-ESP	N/A
	NEK6132Z1	2271141-ESP	2324115-ESP	2252282-ESP	N/A
	NEK6144Z1	2271141-ESP	2324145-ESP	2252282-ESP	N/A
	NEK6160Z1	2271126-ESP	2324063-ESP	2252318-ESP	N/A
	NEU6160Z1***	2271141-ESP	2324131-ESP	2252320-ESP	N/A
	NEK6170Z1	2271126-ESP	2324055-ESP	2252318-ESP	N/A
	NEK6187Z1	2271011-ESP	2324093-ESP	2252320-ESP	N/A
	NEU6187Z1	2271116-ESP	2324120-ESP	2252324-ESP	N/A
	NEK6210Z1	2283012-ESP	2321020-ESP	2252289-ESP	N/A
	NEU6210Z1***	2271154-ESP	2324138-ESP	2252377-ESP	N/A
	NEK6212Z1	2271116-ESP	2324108-ESP	2252324-ESP	N/A
	NEU6212Z1	2271116-ESP	2324007-ESP	2252324-ESP	N/A
	NEK6214Z1	1253050-ESP	2321148-ESP	2252331-ESP	2253315-ESP
	NEU6214Z1***	2271159-ESP	2324083-ESP	2252324-ESP	N/A
	NEK6214Z2	1253009-ESP	2321091-ESP	2252261-ESP	2253320-ESP
	NEU6214Z2	2271147-ESP	2324123-ESP	2252382-ESP	N/A
	NT6215Z1	2271116-ESP	2324074-ESP	2252356-ESP	N/A
	NT6215Z2	2271051-ESP	2324142-ESP	2252365-ESP	N/A
	NT6217Z1	1253016-ESP	2321114-ESP	2252331-ESP	2253315-ESP
	NT6217Z2	2271137-ESP	2324103-ESP	2252365-ESP	N/A
	NJ6220Z1	1253017-ESP	2297010-ESP	2252300-ESP	N/A
	NJ6220Z2	*2302003-ESP	2289031-ESP	2252265-ESP	N/A
	NT6220Z1	1253050-ESP	2295004-ESP	2252273-ESP	2253315-ESP
	NT6220Z2	2271141-ESP	2324085-ESP	2252364-ESP	N/A
	NJ6226Z2	1253026-ESP	(1)Internal	2252270-ESP	2253311-ESP



## Embraco Service Parts

REFRIGERANT	MODEL	RELAY	OVERLOAD	START CAP	RUN CAP
R-404A	NEK2121GK1	2283055-ESP	2321153-ESP	2252230-ESP	N/A
	NEK2125GK1	2271126-ESP	2324055-ESP	2252318-ESP	N/A
	NEK2134GK1	2283012-ESP	2321086-ESP	2252335-ESP	N/A
	NEK2134GK2	2271121-ESP	2324009-ESP	2252325-ESP	N/A
	NEU2140GK1***	2271156-ESP	2324059-ESP	2252324-ESP	N/A
	NEK2150GK1	2271116-ESP	2324069-ESP	2252320-ESP	N/A
	NEK2150GK2	2283060-ESP	2321105-ESP	2252220-ESP	N/A
	NEU2155GK1	2271154-ESP	2324120-ESP	2252324-ESP	N/A
	NEK2168GK1	1253067-ESP	2321130-ESP	2252331-ESP	2253314-ESP
	NEU2168GK1	1253069-ESP	2321157-ESP	2252374-ESP	2253314-ESP
	NEU2168GK2	1253019-ESP	2321012-ESP	2252271-ESP	2253316-ESP
	NEU2178GK1	1253069-ESP	2321159-ESP	2252331-ESP	2253321-ESP
	NEU2178GK2	1253027-ESP	2321153-ESP	2252271-ESP	2253310-ESP
	NT2168GKV1	1253050-ESP	2291048-ESP	2252273-ESP	2253315-ESP
	NT2168GKV2	1253024-ESP	2321166-ESP	2252270-ESP	2253316-ESP
	NT2180GKV1	1253050-ESP	(2)Internal	2252331-ESP	2253315-ESP
	NT2180GKV2	1253010-ESP	2321091-ESP	2252274-ESP	2253316-ESP
	NT2192GKV1	1253001-ESP	2295004-ESP	2252273-ESP	2253315-ESP
	NT2192GKV2	1253026-ESP	2321091-ESP	2252269-ESP	2253310-ESP
	NJ2192GK1	1253001-ESP	Internal	2252317-ESP	2253312-ESP
	NJ2192GK2	1253010-ESP	Internal	2252269-ESP	2253312-ESP
	NJ2192GJ2	1253003-ESP	Internal	2252269-ESP	2253311-ESP
	NJ2212GK1	1253001-ESP	Internal	2252317-ESP	2253312-ESP
	NJ2212GK2	1253010-ESP	Internal	2252269-ESP	2253312-ESP
	NJ2212GJ2	1253010-ESP	Internal	2252274-ESP	2253312-ESP
	NT2212GKV1	1253065-ESP	Internal	2252374-ESP	2253321-ESP
	NT2212GKV2	1253019-ESP	Internal	2252274-ESP	2253313-ESP
	NEK6181GK1	2271126-ESP	2324055-ESP	2252282-ESP	N/A
	NEK6181GK2	2271110-ESP	2324009-ESP	2252325-ESP	N/A
	NEK6210GK1	2271128-ESP	2324025-ESP	2252320-ESP	N/A
	NEK6210GK2	2271127-ESP	2324105-ESP	2252372-ESP	N/A
	NEU6210GK1***	2271116-ESP	2324063-ESP	2252324-ESP	N/A
	NEK6213GK1	2271116-ESP	2324083-ESP	2252320-ESP	N/A
	NEK6213GK2	2271128-ESP	2324126-ESP	2252325-ESP	N/A
	NEU6214GK1***	2271116-ESP	2324132-ESP	2252377-ESP	N/A
	NEU6215GK1***	2271164-ESP	2324106-ESP	2252377-ESP	N/A
	NEU6215GK2	2271156-ESP	2324003-ESP	2252382-ESP	N/A
	NEU6220GK1	1253067-ESP	2321158-ESP	2252331-ESP	2253313-ESP
	NEU6220GK2	1253027-ESP	2321070-ESP	2252271-ESP	2253310-ESP
	NT6217GKV1	2271146-ESP	2324004-ESP	2252377-ESP	N/A
	NT6217GKV2	2283055-ESP	2321128-ESP	2252327-ESP	N/A
	NT6220GKV1	1253050-ESP	2291055-ESP	2252331-ESP	2253315-ESP
	NT6220GKV2	1253015-ESP	2321091-ESP	2252270-ESP	2253310-ESP
	NT6222GKV1	1253050-ESP	(3)Internal	2252331-ESP	2253315-ESP
	NT6222GKV2	1253015-ESP	2321018-ESP	2252269-ESP	2253310-ESP
	NT6224GKV1	1253028-ESP	Internal	2252343-ESP	2253307-ESP
	NT6224GKV2	1253019-ESP	2321132-ESP	2252270-ESP	2253311-ESP
	NJ9226GK2	1253027-ESP	2289017-ESP	2252269-ESP	2253312-ESP
	NT6226GKV1	1253028-ESP	Internal	2252343-ESP	2253307-ESP
	NT6226GKV2	1253026-ESP	2291048-ESP	2252270-ESP	2253312-ESP
NTU6232GKV2	1253015-ESP	Internal	2252271-ESP	2253313-ESP	
NTU6234GKV2	1253015-ESP	Internal	2252271-ESP	2253314-ESP	
NJ9232GK2	1253010-ESP	(4)Internal	2252269-ESP	2253312-ESP	
NTU6238GKV2	1253015-ESP	Internal	2252271-ESP	2253314-ESP	
NTU6240GKV2	1253015-ESP	Internal	2252271-ESP	2253314-ESP	
NJX6250GKV2	1253014-ESP	Internal	2252271-ESP	2253313-ESP	

## Embraco Service Parts

REFRIGERANT	MODEL	RELAY	OVERLOAD	START CAP	RUN CAP
R-290	EMI50UER1	513515003-ESP	513634331-ESP	513556521-ESP	N/A
	EMI70UER1	513515250-ESP	513554323-ESP	513556521-ESP	N/A
	EMX3115U1	513650019-ESP	513634572-ESP	N/A	513556246-ESP
	EMI90UEX1	513515293-ESP	513554311-ESP	513556538-ESP	N/A
	EMC3121U1	513650019-ESP	513634455-ESP	N/A	513556246-ESP
	EM2X3121U1	513650144-ESP	513634455-ESP	N/A	513556247-ESP
	EMC3125U1	513650019-ESP	513634220-ESP	N/A	513556246-ESP
	EM2X3125U1	513650019-ESP	513634132-ESP	N/A	513556247-ESP
	EMC3130U1	513650019-ESP	513634730-ESP	N/A	513556247-ESP
	EMC3134U1	513650019-ESP	513634730-ESP	N/A	513556247-ESP
	EMC3140U1	513650019-ESP	513634463-ESP	N/A	513556247-ESP
	FFU130UAX1	513516053-ESP	513554006-ESP	513556535-ESP	N/A
	FFU160UAX1	513516053-ESP	513554025-ESP	513556535-ESP	N/A
	NEU2140U1	2271156-ESP	2324017-ESP	2252324-ESP	N/A
	NEU2155U1	2271157-ESP	2324124-ESP	2252324-ESP	N/A
	NEU2168U1	1253069-ESP	2321081-ESP	2252300-ESP	2253314-ESP
	NEU2168U2	1253019-ESP	2321012-ESP	2252269-ESP	2253316-ESP
	NT2160UV1	1253050-ESP	2291048-ESP	2252331-ESP	2253312-ESP
	NT2170UV1	1253001-ESP	2289020-ESP	2252331-ESP	2253315-ESP
	NT2180UV1	1253001-ESP	2289038-ESP	2252331-ESP	2253312-ESP
	NT2180UV2	1253012-ESP	Internal	2252291-ESP	2253318-ESP
	NT2210UV1	1253065-ESP	Internal	2252374-ESP	2253313-ESP
	NT2210UV2	1253024-ESP	Internal	2252269-ESP	2253311-ESP
	NEU6181U1	2271156-ESP	2324110-ESP	2252324-ESP	N/A
	NEU6214U1	2271116-ESP	2324007-ESP	2252380-ESP	N/A
	NEU6214U2	2271110-ESP	2324146-ESP	2252354-ESP	N/A
	NEU6217U1	1253069-ESP	2321081-ESP	2252331-ESP	2253314-ESP
	NEU6217U2	1253027-ESP	2321153-ESP	2252271-ESP	2253318-ESP

REFRIGERANT	MODEL	RELAY	OVERLOAD	START CAP	RUN CAP
R-12	EMI30ER1	513514008-ESP	513634076-ESP	N/A	N/A
	EMI45ER1	513514040-ESP	513634390-ESP	N/A	N/A
	EMI55ER1	513514105-ESP	513634790-ESP	N/A	N/A
	EM65NR1	513514083-ESP	513634102-ESP	N/A	N/A
	FFC60BK1	513514124-ESP	513634650-ESP	N/A	N/A
	FF8.5BK1	513516266-ESP	513554005-ESP	N/A	N/A
	FF8.5BK1-CAP	513516241-ESP	513554005-ESP	513556537-ESP	N/A
	FF10BK1	513516266-ESP	513554420-ESP	N/A	N/A
	FF10BX1	513516175-ESP	513554003-ESP	513556529-ESP	N/A
	FF11.5BK1	513516185-ESP	513554273-ESP	N/A	N/A
	FF11.5BK1-CAP	513516191-ESP	513554273-ESP	513556533-ESP	N/A
	FFI12BX1	513516053-ESP	513554412-ESP	513556535-ESP	N/A

\*For potential relay use part 1253051-ESP  
 \*\*Sku dependant, please contact Embraco technical support.  
 \*\*\*CSIR version. For information on the CSR version (with run cap), please contact technical support

- (1)Old OL external (2291053-ESP)
- (2)Old OL external (2291062-ESP)
- (3)Old OL external (2291061-ESP)
- (4)Old OL external (2289030-ESP)

Note: Models having different components than listed please contact Embraco technical support.

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