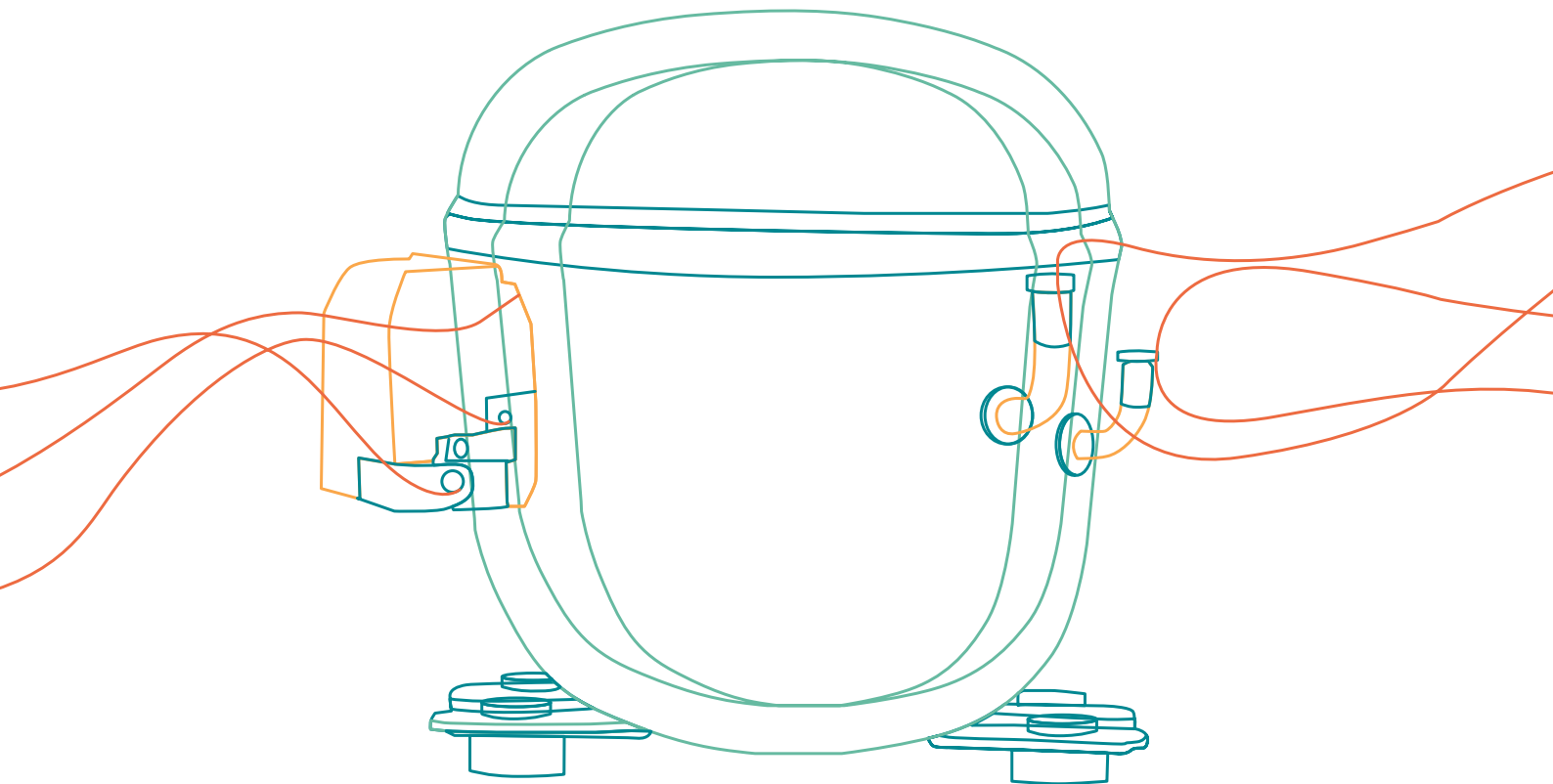


COMPRESSORS EUROPE

TAILORED EFFICIENCY



Maximum energy optimization
from production to product.

- | | |
|--------------|---------|
| ● R134a | ● R290 |
| ● R404A/R507 | ● R600a |

embraco

POWER **IN.**
CHANGE **ON.**

EVERYTHING BECOMES A COOLER



embraco POWER **IN.**
CHANGE **ON.**

EMBRACO IN PILLS

HIGH EFFICIENCY & GREEN SOLUTIONS
EMBRACO COMMERCIAL PRODUCT OVERVIEW

EUROPE RANGE COMMERCIAL COMPRESSORS

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External Views
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EMBRACO IN PILLS



MORE THAN 11.500 EMPLOYEES



MORE THAN 400 PROFESSIONALS IN R&D



PRODUCTION CAPACITY OF OVER 38 MILLION COMPRESSORS PER YEAR



MORE THAN 400 MILLION PRODUCTS PRODUCED TO DATE



MORE THAN 1.000 PATENTS WORLDWIDE



BUSINESS CONDUCTED IN MORE THAN 80 COUNTRIES



R&D LABORATORIES IN 4 CONTINENTS

EMBRACO is a company specialized in cooling solutions and world leader in the hermetic compressor market. **Our mission:** provide innovative solutions for a better quality of life, always attentive to technological excellence and sustainability.

Technological leadership, operational excellence and sustainability are some of the pillars which ensure the EMBRACO differential over other companies in the world market. Its products are now considered the favorite leading home appliance manufacturers by major automakers and are spotlighted by manufacturers of commercial refrigeration equipment.

With global operations and production capacity exceeding 38 million units a year, the company offers solutions that are differentiated for their innovation and low energy consumption. Its 11.500 employees work in factories and offices located in Brazil (headquarters), China, Italy, Slovakia, Mexico, the United States and Russia.

Energy efficiency is constantly sought in the processes, products and relationships with the communities where it operates. Our company is the absolute leader in this segment, being able to offer products that meet the most restrictive international standards regarding energy consumption.

As a worldwide leader, **EMBRACO** tries to anticipate market changes, and in doing so, our company is in a state of permanent transformation. We continuously assess our processes in order to maintain our leadership within the industry and promote growth, without forgetting the pillars of our organization.

HIGH EFFICIENCY

Energy efficiency is the base for all our product development. This means producing compressors that consume each time less energy and less raw material in manufacturing, at the same time maintaining **Embraco** brand quality. Thus, we continuously invest in research and development to create products that are more efficient and silent and do not harm the environment.

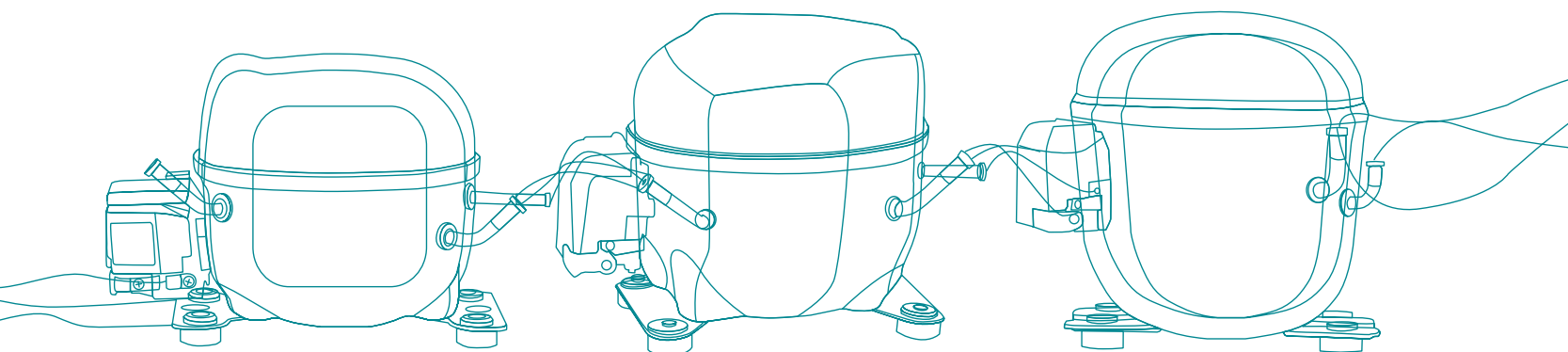
As a result of efforts to increase energy efficiency in our products, and to surpass our customers' highest expectations, we have developed **Embraco Fullmotion** – a compressor that varies the cooling capacity according to the need, providing a reduction in energy consumption up to 40%.

We have a full product portfolio that offers compressors of a wide ranges of efficiency. We are a global benchmark in developing solutions that meet the strictest international standards regarding energy consumption. With a commitment to seek continuous product and process improvement, each new generation of **Embraco** compressors is more efficient than the previous one.

GREEN SOLUTIONS

Embraco has always been committed to offer solutions to the market that go beyond the traditional ones. We have been at the forefront, for example, in launching products compatible with the most environmentally advanced refrigerant gases. We were the first organization to produce compressors that use alternative fluid refrigerants, such as propane (R290), to replace HFCs.

This natural refrigerant has important ecological advantages, since it does not contribute to ozone layer deterioration and has limited greenhouse effect. Furthermore, its noise levels are low, while its efficiency rate gain and cooling capacity is quite high. To know our product portfolio in R290 contact our sales team.



Embraco Commercial Product Overview

EUROPE RANGE



BRAZIL RANGE



CONDENSING UNIT



FULLMOTION



EMT



Small Size



High Efficiency
Up to 1,36 w/w - LBP
Up to 2,82 w/w - M/HBP
50 Hz @rated point EN 12900



Global Platform



Low Noise ~2 dB(A) less
(If compared to the average noise of other models of the same range.)

EUROPE RANGE COMMERCIAL COMPRESSORS



Developed for: Refrigerators, Freezers and Bottle coolers.

Applications: **LBP, M/HBP**

Refrigerants: **R134a; R404A/R507; R600a; R290**

FAMILY	REFRIGERANT	COOLING CAPACITY RANGE* W				EFFICIENCY RANGE* W/W				DISPLACEMENT cc		HP		WEIGHT	HEIGHT
		LBP		M/HBP		LBP		M/HBP		MIN	MAX	MIN	MAX	MIN/MAX Kg	MIN/MAX mm
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX						
EMT/ EMY	R134a	37	88	321	975	0,83	1,16	2,18	2,87	3,01	6,76	1/10	1/3+	7,1 - 7,8	158 - 166
	R404A	141	222	378	484	1,08	1,15	1,76	1,90	3,97	6,76				
	R290	123	266	343	632	1,12	1,28	1,96	2,2	3,97	9,50				
	R600a	45	162	244	805	1,1	1,36	2,2	2,82	3,97	12,21				

(*) data @50 Hz EN12900 conditions

NEK/NEU



High Cooling Capacity at Low Evaporating Temperatures
NEW VALVE SYSTEM
to improve cooling capacity and efficiency
NEU from 5% to 15% higher than NEK



High Efficiency Level
NEK Up to Up to 1,21 w/w - LBP
Up to 2,43 w/w - M/HBP
50 Hz @rated point EN 12900
NEW HEAD designed to decrease heat loss, low super heat mechanical losses, resulting in greater energy efficiency.
NEU from 5% to 15% higher than NEK, depending on the refrigerant type



Better Performances
NEW PLASTIC SUCTION MUFFLER
To optimize acoustic and fluidynamic



Very Low Sound Level
NEW SHELL DESIGN
To improve high frequency noise



NEK

Developed for: Freezers, Merchandisers, Ice Makers

Applications: **LBP, M/HBP**

Refrigerants: **R134a; R404A/R507; R600a; R290**

FAMILY	REFRIGERANT	COOLING CAPACITY RANGE* W				EFFICIENCY RANGE* W/W				DISPLACEMENT cc		HP		WEIGHT	HEIGHT
		LBP		M/HBP		LBP		M/HBP		min	MAX	min	MAX	MIN/MAX Kg	MIN/MAX mm
		min	MAX	min	MAX	min	MAX	min	MAX						
NEK	R134a	93	217	663	1315	0,85	1,16	1,90	2,46	7,40	16,80	1/5	3/4	10,4 - 11,6	187 - 206
	R404A	178	380	542	1166	0,80	1,00	1,46	1,69	6,20	16,80				
	R290	199	427	402	1051	0,99	1,21	1,73	1,94	6,20	16,80				
	R600a			606	805			2,29	2,43	12,12	16,80				

(*) data @50 Hz EN12900 conditions

NEU

Developed for: Freezers, Merchandisers, Ice Makers

Applications: **LBP, M/HBP**

Refrigerants: **R134a; R404A; R290; R600a****

FAMILY	REFRIGERANT	COOLING CAPACITY RANGE* W				EFFICIENCY RANGE* W/W				DISPLACEMENT cc		HP		WEIGHT	HEIGHT
		LBP		M/HBP		LBP		M/HBP		min	MAX	min	MAX	MIN/MAX Kg	MIN/MAX mm
		min	MAX	min	MAX	min	MAX	min	MAX						
NEU	R134a	/	/	1102	1492	/	/	2,12	2,48	12,12	16,80	1/3	1	10,6-12	200-206
	R290	364	457	676	1109	1,21	1,35	1,95	2,17	13,54	16,80				
	R404A	275	501	792	1089	1,08	1,14	1,71	1,89	8,78	16,80				

(*) data @50 Hz EN12900 conditions

(**) UD

NT/NTU



New Design
NEW INTERNAL DESIGN
New Vertical Tubes Configuration
New Universal base plate



High Efficiency
Up to 1,23 w/w - LBP
Up to 2,11 w/w - M/HBP
50 Hz @rated point EN 12900



Better Performances



Low Sound and Vibration Level
NEW SUSPENSION SYSTEM
To improve high frequency noise.



Developed for: Reach in coolers, Merchandisers, Ice Makers, Beers Coolers.

Applications: **LBP, M/HBP**

Refrigerants: **R134a; R404A/R507; R290.**

FAMILY	REFRIGERANT	COOLING CAPACITY RANGE* W				EFFICIENCY RANGE* W/W				DISPLACEMENT cc		HP		WEIGHT	HEIGHT
		LBP		M/HBP		LBP		M/HBP		min	MAX	min	MAX	MIN/MAX Kg	MIN/MAX mm
		min	MAX	min	MAX	min	MAX	min	MAX						
NT	R134a			1405	2582			2,13	2,94	17,4	27,8				
	R404A	341	719	891	2426	0,89	1,07	1,5	2,02	12,5	27,8	1/2	1 1/2	15,7 - 18,3	207 - 250
	R290	400	689	952	1937	1,09	1,23	1,74	2,11	14,5	27,8				

(*) data @50 Hz EN12900 conditions

NJ



Frame Breaker
Up to 33,4 cm³



High reliability and proved performances



Easy installation
Rotolock valve version



Low Sound and Vibration Level



Developed for: Walk-in Coolers, Merchandisers, Milk Coolers, Refrigerated Islands, GDMs.

Applications: **LBP, M/HBP**

Refrigerants: **R134a; R404A/R507**

FAMILY	REFRIGERANT	COOLING CAPACITY RANGE* W				EFFICIENCY RANGE* W/W				DISPLACEMENT cc		HP		WEIGHT	HEIGHT
		LBP		M/HBP		LBP		M/HBP		MIN	MAX	MIN	MAX	MIN/MAX Kg	MIN/MAX mm
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX						
NJ	R134a	/	/	2021	2740	/	/	2,16	2,40	26,1	34,4	3/4	1 1/2	19,6 - 21,7	253 - 277
	R404A	585	809	1648	2506	0,85	1,06	1,59	1,9	21,7	34,4				

(*) data @50 Hz EN12900 conditions

Applications & Test conditions

LBP

(Low Back Pressure)

Low evaporating temperatures (lower than -20 °C)

Applications: refrigerators, frozen food cabinets, frozen food display cases, display windows, etc.

MBP

(Medium Back Pressure)

Medium evaporating temperatures (higher than -20 °C);

Applications: fresh food cabinets, drink coolers, ice makers etc.

M/HBP

(Medium / High Back Pressure)

Evaporating temperatures between -20°C and +10°C;

Applications: coolers, merchandisers, etc

HBP

(High Back Pressure)

High evaporating temperatures (higher than -15 °C)

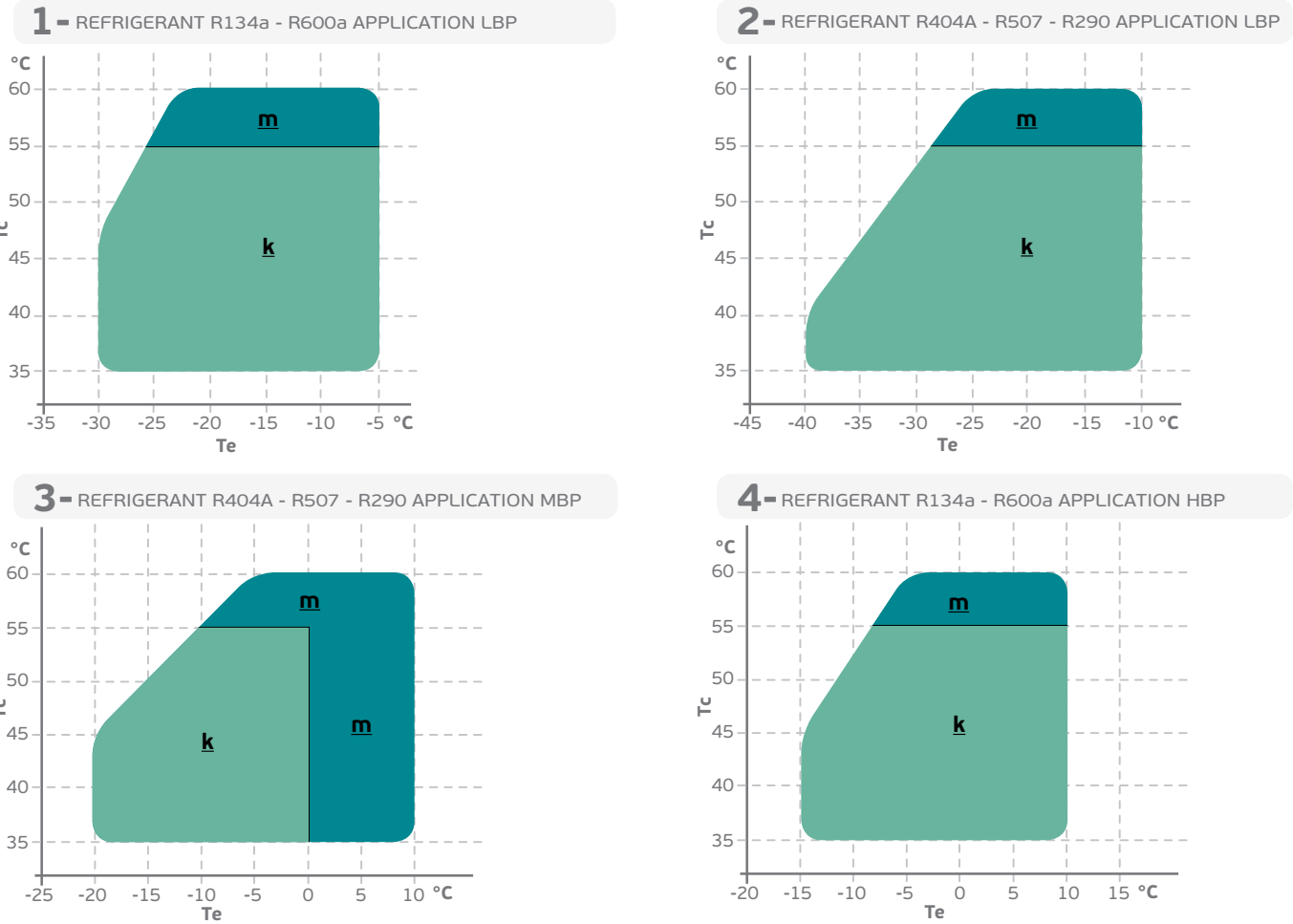
Applications: fresh food cabinets, ice makers, dehumidifiers, dryers, etc.

TEST CONDITIONS (RATING POINT)	APPLICATION	EVAPORATING TEMPERATURE C°	CONDENSING TEMPERATURE C°	GAS RETURN TEMPERATURE C°	SUBCOOLING	COMPRESSOR AMBIENT TEMPERATURE C°
EN 12900	LBP	-35°	40°	20° (*)	NO SUBCOOLING	32°
	MBP	-10°	45°	20° (*)		
	HBP	+5°	50°	20° (*)		
ARI 540	LBP	-23,3°	48,9°	4,4°	NO SUBCOOLING	35°
	MBP	-6,7°	48,9°	4,4°		
	HBP	+7,2°	54,4°	18,3°		
ASHRAE SUBCOOLED	LBP	-23,3°	54,4°	32,2°	22,2 K	32,2°
	MBP and HBP	7,2°	54,4°	35°	8,3 K	35°
CECOMAF	LBP	-25	55°	32°	NO SUBCOOLING	32°

(*) For EMT and NE models return gas temperature is 32°C

CONVERSION UNIT	
1 watt	3,41 Btu/h
1 watt	0,86 kcal/h
1 kcal/h	3,97 Btu/h

Operating Envelope



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

PLEASE NOTE: the use of the compressor outside the intended working range cannot make use of the warranty.

Product Maps 50Hz
COMPRESSOR PRODUCT MAP 50 Hz/DUAL FREQUENCY/3Ø

	R-134a								R-404A / R-507								R-290								R-600a								
	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	HBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W]*	DISPL. [cc]	HBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [CC]	
EM	EMT22HLP	A	37	3,01	EMT37HDP	A / B	321	3,40	EMT2117GK	A	141	4,50	EMT6144GK	A	378	3,97	EMT1117U	A	123	4,50	EMT6144U	A	343	4,50	EMY20CLC	A	45	3,97	EMT30CDP	A	246	4,50	
	EMT36HLP	A	54	3,97	EMT45HDR	A	379	3,97	EMT2121GK	A	174	5,20	EMT6152GK	A	424	4,50	EMT2117U	A	123	4,50	EMT6152U	A	418	5,20	EMX20CLC	A	45	3,97	EMU5125Y	A	244	4,50	
	EMT43HLP	A	66	4,85	EMT50HDP	A / B	423	4,50	EMT2125GK	A	204	5,96	EMT6165GK	A	484	5,20	EMT1121U	A	159	5,57	EMT6165U	A	485	5,96	EMY26CLC	A	61	5,20	EMT45CDP	A	360	6,78	
	EMT49HLP	A	78	5,57	EMT6144Z	A	519	5,20	EMT2130GK	A	222	6,76					EMT2121U	A	159	5,57	EMTE6181U	A	632	7,55	EMY32CLC	A	72	5,96	EMU5132Y	A (RSIR)	358	6,79	
	EMT60HLP	A	88	6,76	EMT6160Z	A	648	6,76									EMT1125U	A	177	5,96					EMX32CLC	A	72	5,96	EMU5132Y	A (RSCR)	363	6,79	
					EMT6170Z	A	725	7,69									EMT2125U	A	177	5,96					EMY40CLC	A	90	7,24	EMT6144Y	A	486	9,05	
					EMTE6187Z	A	975	9,50									EMT1130U	A	198	6,76					EMY46CLC	A	101	7,96	EMT6160Y	A	588	11,15	
																	EMT2130U	A	196	6,76					EMX46CLC	A	101	7,96					
																	EMTE2134U	A	265	9,50					EMY55CLP	A	114	9,05					
																									EMX55CLC	A	115	9,05					
NE NEK																										EMY66CLP	A	134	10,62				
																									EMX70CLC	A	143	11,14					
																									EMX80CLT	A	162	12,21					
	NEK1116Z	A	93	7,40	NEK6160Z	A	663	7,28	NEK2125GK	A	178	6,20	NEK6165GK	A	542	6,20	NEK2125U	A	199	7,28	NEK6152U	A	402	5,45					NEK6160Y	A	606	12,12	
	NEK2116Z	A	93	7,40	NEK6160Z	B	663	7,28	NEK2130GK	A	210	7,40	NEK6181GK	A	599	7,28	NEK2134U	A	271	10,00	NEK6165U	A	464	6,20					NEK6170Y	A	720	14,30	
	NEK1118Z	A	111	8,40	NEK6170Z	A	775	8,40	NEK2134GK	A	253	8,78	NEK6210GK	A	724	8,78	NEK1150U	A	333	13,54	NEK6181U	A	523	7,28					NBY5170Y	A	UD	14,30	
	NE1121Z	A / K	125	9,27	NEK6170Z	B	775	8,40	NEK2150GK	A	346	12,12	NEK6213GK	A	972	12,12	NEK2150U	A	334	13,54	NEK6210U	A	640	8,78					NEK6187Y	A	805	16,80	
	NE2121Z	A / K	125	9,27	NEK6187Z	A	894	10,00	NEK2168GK	A (CSIR)	360	14,30	NEK6217GK	A	1166	14,30	NEK2160U	A	427	16,80	NEK6214U	A (CSIR)	880	12,12									
	NE1130Z	A / K	161	12,12	NEK6187Z	A	896	10,00	NEK2168GK	A (CSR)	380	14,30									NEK6214U	A (CSR)	893	12,12									
	NE2130Z	K	156	12,12	NEK6210Z	A	1024	12,12													NEK6217U	A (CSIR)	1018	14,30									
NEU	NE2130Z	A	171	12,12	NEK6210Z	A	1046	12,12													NEK6217U	A (CSR)	1051	14,30									
	NE2134Z	A	179	14,30	NEK6212Z	A	1206	14,30																									
	NEK2140Z	A	217	16,80	NEK6212Z	A	1217	14,30																									
					NEK6214Z	A	1315	16,80																									
					NEU6210Z	A (CSIR)	1102	12,12	NEU2140GK	A (CSIR)	275	8,78	NEU6212GK	A (CSIR)	792	8,78	NEU2155U	A (CSIR)	364	13,54	NEU6210U	A (CSIR)	676	8,78									
					NEU6210Z	A (CSR)	1109	12,12	NEU2155GK	A (CSIR)	368	12,12	NEU6215GK	A (CSIR)	1065	12,12	NEU2155U	A (CSR)	384	13,54	NEU6212U	A (CSIR)	793	10,00									
					NEU6212Z	A (CSIR)	1271	14,30	NEU2168GK	A (CSIR)	416	14,30	NEU6215GK	A (CSR)	1089	12,12	NEU2168U	A (CSR)	457	16,80	NEU6212U	A (CSR)	800	10,00									
					NEU6212Z	A (CSR)	1288	14,30	NEU2168GJ	A (CSR)	437	14,30									NEU6214U	A (CSIR)	936	12,12									
					NEU6214Z	A (CSIR)	1459	16,80	NEU2178GK	A (CSR)	501	16,80									NEU6214U	A (CSR)	944	12,12									
					NEU6214Z	A (CSR)	1492	16,80													NEU6217U	A (CSIR)	1086	14,30									
NT																																	
					NT6215Z	N	1405	17,4	NT2168GS	R	341	14,5	NT6217GK	N (CSIR)	960	12,6	NT2160U	A (CSIR)	400	17,4	NT6217U	A (CSIR)	952	14,5									
					NT6215Z	C	1435	17,4	NT2168GK	N	354	14,5	NT6217GK	N (CSR)	891	12,6	NT2160U	A (CSR)	407	17,4	NT6220U	A (CSIR)	1193	17,4									
					NT6217Z	A (CSIR)	1655	20,4	NT2178GK	A (CSIR)	416	17,4	NT6220GK	N (CSIR)	1080	14,5	NT2170U	A (CSIR)	478	20,4	NT6220U	A (CSR)	1167	17,4									
					NT6217Z	A (CSR)	1695	20,4	NT2178GK	A (CSR)	420	17,4	NT6220GK	N (CSR)	1096	14,5	NT2170U	A (CSR)	480	20,4	NT6222U	A (CSIR)	1372	20,4									
					NT6217Z	N (CSIR)	1619	20,4	NT2180GK	A (CSIR)	490	20,4	NT6222GK	A (CSIR)	1287	17,4	NT2180U	A (CSIR)	550	22,4	NT6222U	A (CSR)	1412	20,4									
					NT6217Z	N (CSR)	1680	20,4	NT2180GK	A (CSR)	530	20,4	NT6222GK	A (CSR)	1332	17,4	NT2180U	A (CSR)	563	22,4	NT6224U	A	1558	22,4									
					NT6220Z	N (CSIR)	1744	22,4	NT2192GS	R	549	22,4	NT6222GK	N (CSIR)	1322	17,4	NT2210U	A (CSR)	689	27,8	NT6230U	A	1937	27,8									
					NT6220Z	N (CSR)	1752	22,4	NT2192GK	A CSIR)	551	22,4	NT6222GK	N (CSR)	1307	17,4																	
									NT2192GK	A (CSR)	568	22,4	NT6224GK	A	1573	20,4																	
NTU																																	
NJ																																	

Cool. Cap. EN12900 / Rated Point

Volt./Freq.
A 220-240V/50Hz 1 - B 200-230V/50Hz - 208-230V/60Hz 1 - C 220V/50Hz 1 - K 200-220V/50Hz 1 -
M 380-420V/50Hz 3 - N 200-240V/50Hz (230V/60Hz) 1 - R 200V 50/60 Hz 3ph - V 230V/50Hz 1 -

Product Maps 60Hz
COMPRESSOR PRODUCT MAP 60Hz

60Hz	R-134a								R-404A / R-507								R-290							
	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	HBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]
EM					EMT37HDP	B	378	3,40																
					EMT50HDP	B	506	4,50																
	NEK2116Z	G	171	7,40	NEK6132Z	G	473	4,52	NEK2117GK	G	211	4,52	NEK6144GK	G	400	4,52	NEK2134U	G	415	10,00	NEK6152U	G	449	5,45
	NE2121Z	G	204	9,27	NEK6144Z	G	584	5,45	NEK2121GK	G	261	5,45	NEK6144GK	D	592	4,52	NEK2150U	G (CSIR)	550	13,54	NEK6165U	G	505	6,20
	NE2130Z	G	269	12,11	NEK6160Z	G / B	758	7,28	NEK2125GK	G	314	6,20	NEK6152GK	G	481	5,45	NEK2150U	G (CSR)	554	13,54	NEK6210U	G	717	8,77
	NE2134Z	D	300	14,30	NEK6170Z	G	878	8,40	NEK2134GK	D	400	8,78	NEK6165GK	G	850	6,20					NEK6213U	G	998	12,11
NE NEK	NE2134Z	G	312	14,30	NEK6170Z	B	881	8,40	NEK2134GK	G	420	8,78	NEK6181GK	G (CSIR)	922	7,30								
	NEK2140Z	G	390	16,80	NEK6187Z	B	1000	10,00	NEK2150GK	D	509	12,12	NEK6181GK	G (CSR)	977	7,30								
					NEK6187Z	G	1007	10,00	NEK2150GK	G (CSIR)	527	12,12	NEK6181GK	D	954	7,30								
					NEK6210Z	B	1138	12,12	NEK2150GK	G (CSR)	536	12,12	NEK6210GK	G (CSIR)	1160	8,78								
					NEK6210Z	G	1190	12,12	NEK2168GK	G	577	14,30	NEK6210GK	G (CSR)	1192	8,78								
					NEK6212Z	G (CSIR)	1361	14,30	NEK2168GK	D	584	14,30	NEK6210GK	D	1139	8,78								
					NEK6212Z	G (CSR)	1407	14,30					NEK6213GK	G (CSIR)	1444	12,12								
					NEK6212Z	B	1323	14,30					NEK6213GK	G (CSR)	1528	12,12								
					NEK6214Z	G	1568	16,80					NEK6213GK	D	1505	12,12								
					NEK6214Z	D (CSIR)	1523	16,80																
					NEK6214Z	D (CSR)	1537	16,80																
					NEU6187Z	E (CSIR)	1154	10,00									NEU2168U	E	749	16,80	NEU6181U	E	633	7,28
					NEU6187Z	E (CSR)	1163	10,00													NEU6214U	G (CSIR)	1085	12,12
NEU					NEU6212Z	G (CSIR)	1571	14,30													NEU6214U	G (CSR)	1097	12,12
					NEU6212Z	G (CSR)	1579	14,30																
					NEU6214Z	G (CSIR)	1776	16,80																
					NEU6214Z	G (CSR)	1799	16,80																
	NT2152Z	G	610	26,2	NT6215Z	D	1794	17,4	NT2168GK(V)	G (CSIR)	566	14,5	NT6217GK(V)	G (CSIR)	1030	12,6	NT2160U(V)	D	604	17,4	NT6217UV	G (CSIR)	1005	14,5
					NT6215Z	G (CSIR)	1925	17,4	NT2168GK(V)	G (CSR)	610	14,5	NT6217GK(V)	G (CSR)	1072	12,6	NT2160UV	G	638	17,4	NT6217UV	G (CSR)	1028	14,5
NT					NT6215Z	G (CSR)	1933	17,4	NT2168GK(V)	D (CSIR)	580	14,5	NT6217GK(V)	D (CSIR)	1070	12,6	NT2170UV	D	672	20,4	NT6220UV	G	1356	17,4
					NT6217Z	G (CSIR)	1982	20,4	NT2168GK(V)	D (CSR)	616	14,5	NT6217GK(V)	D (CSR)	1115	12,6	NT2170U(V)	G	772	20,4	NT6222UV	G	1522	20,4
					NT6217Z	G (CSR)	2013	20,4	NT2168GS	R	578	14,5	NT6220GKV	G (CSIR)	1240	14,5	NT2180UV	D	830	22,4	NT6224UV	D	1744	22,4
					NT6217Z	D (CSIR)	2126	20,4	NT2178GK(V)	G (CSIR)	734	17,4	NT6220GKV	G (CSR)	1250	14,5	NT2180UV	G	832	22,4				
					NT6217Z	D (CSR)	2157	20,4	NT2178GK(V)	G (CSR)	772	17,4	NT6220GKV	D (CSIR)	1247	14,5	NT2210UV	D	1051	27,8				
					NT6220Z	G	2361	22,4	NT2178GK(V)	D (CSIR)	751	17,4	NT6220GKV	D (CSR)	1283	14,5	NT2210UV	G	1060	27,8				
					NT6220Z	D	2420	22,4	NT2178GK(V)	D (CSR)	790	17,4	NT6222GK(V)	G (CSIR)	1565	17,4								
									NT2180GK(V)	G (CSIR)	823	20,4	NT6222GK(V)	G (CSR)	1569	17,4								
									NT2180GK(V)	G (CSR)	879	20,4	NT6222GK(V)	D (CSIR)	1475	17,4								
									NT2180GK(V)	D	854	20,4	NT6222GK(V)	D (CSR)	1537	17,4								
									NT2192GS	R	897	22,4	NT6224GKV	D	1808	20,4								
									NT2192GK(V)	G (CSIR)	904	22,4	NT6224GKV	G	1859	20,4								
									NT2192GK(V)	G (CSR)	943	22,4	NT6226GK(V)	G	1942	22,4								
									NT2192GK(V)	D	928	22,4	NT6226GK(V)	D (CSIR)	1985	22,4								
									NT2212GS	R	1155	27,8	NT6226GK(V)	D (CSR)	2009	22,4								
									NT2212GKV	G	1183	27,8												
									NT2212GK(V)	D	1230	27,4												
NTU					NTU6222ZV	G	2882	23,7					NTU6232GSV	Z	2035	20,4								
					NTU6222ZV	D	2893	23,7					NTU6232GKV	G	2090	20,4								
					NTU6224ZV	G	3355	27,8					NTU6232GKV	D	2101	20,4								
					NTU6224ZV	D	3412	27,8					NTU6234GSV	Z	2378	23,7								
													NTU6234GKV	G	2419	23,7								
													NTU6234GKV	D	2477	23,7								
													NTU6238GSV	Z	2635	26,2								
													NTU6238GKV	D	2748	26,2								
NJ													NTU6240GSV	Z	2779	27,8								
													NTU6240GKV	D	2860	27,8								
					NJ6220Z	D	2391	26,1	NJ2192GK/J	G	968	26,1	NJ9226GK	D	2742	21,7								
					NJ6220Z	G	2674	26,1	NJ2192GK/J	D	970	26,1	NJ9226GS	M	2811	21,7								
					NJ6220ZX	M	2674	26,1	NJ2192GS	M	970	26,1	NJ9232GK	D	3479	26,1								
					NJ6226Z	D	2927	34,4	NJ2212GK/J	G	1173	34,4	NJ9232GS	M	3488	26,1								
					NJ6226ZX	M	3125	34,4	NJ2212GK/J	D	1183	34,4	NJ9238GK	J	3834	32,7								
									NJ2212GS	M	1273	34,4	NJ9238GS	M	4186	32,7								

Cool. Cap. @ Rated Point ARI

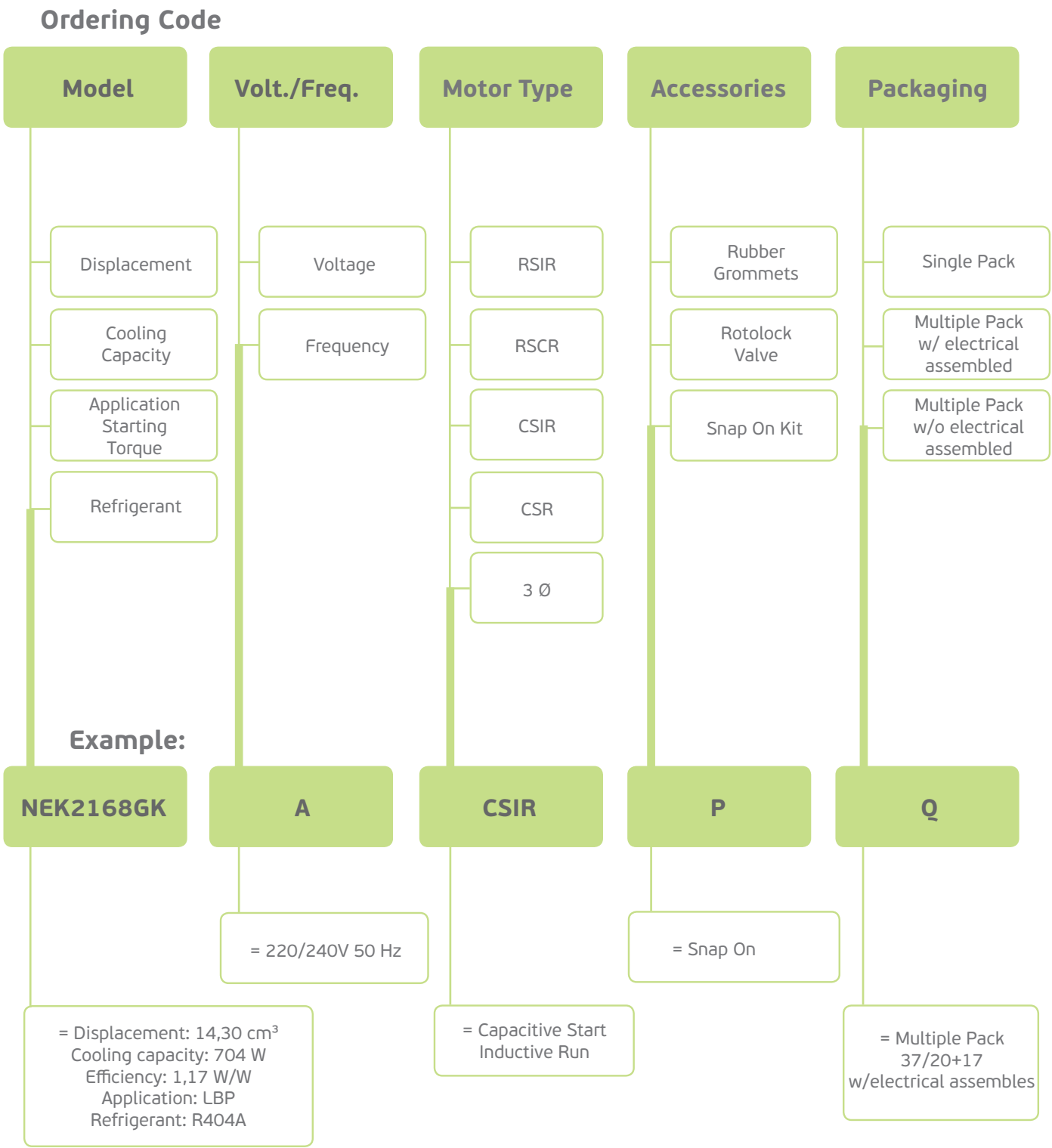
Volt./Freq.

B 200-230V/50Hz (208-230V/60 Hz 1 - 1 208-230V/60Hz 1 - 1 115-127V 60 Hz 1ph - 1 115V/60Hz 1 - 1 230V/60Hz 1 -

M 380-420V/50Hz 3 - R 200V 50/60 Hz 3ph - 2 200-230V 60 Hz 3ph -

COMPRESSOR SELECTION

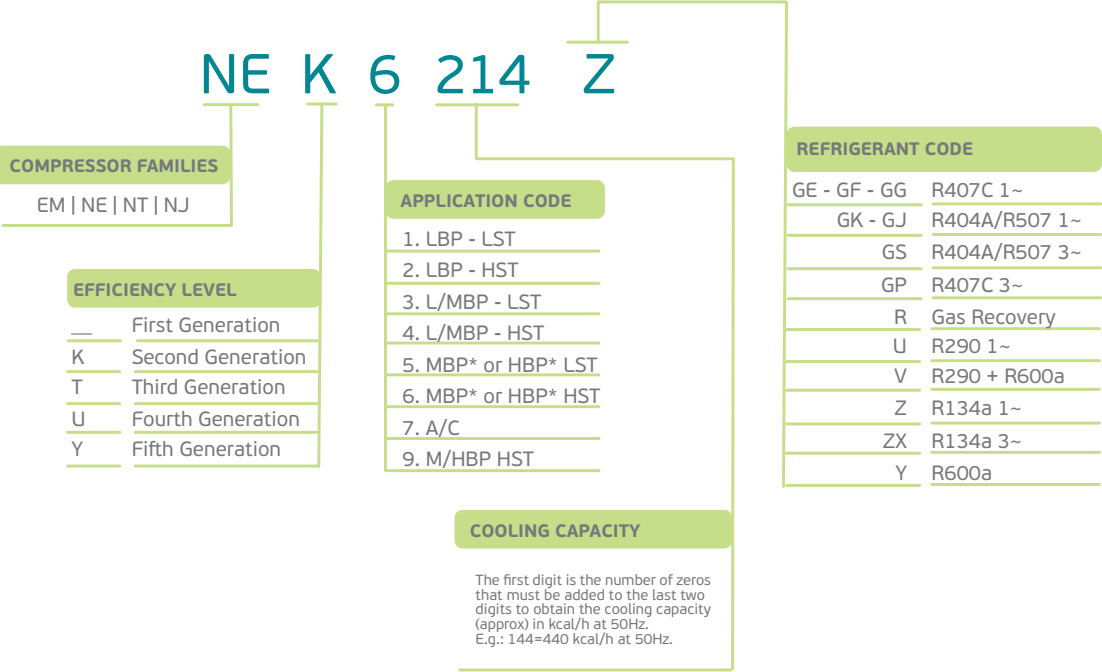
HOW TO ORDER YOUR COMPRESSOR



NOTE: not all combinations are possible

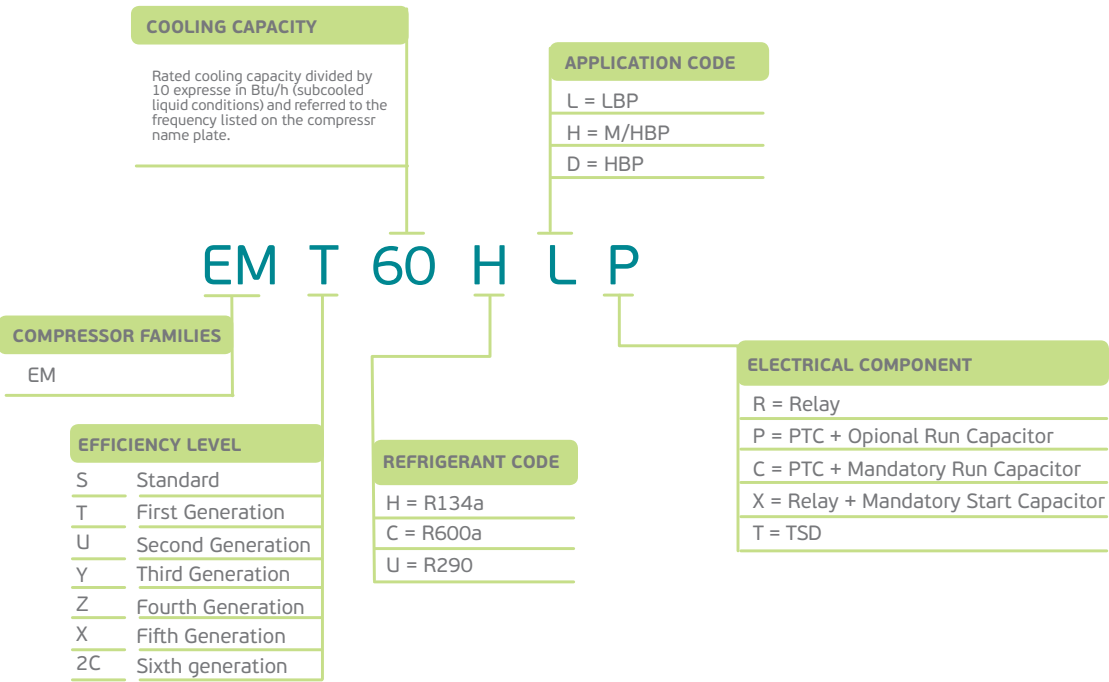
Nomenclature

EM/NE/NT/NJ



The V letter at the end of the compressor name stands for IPR valve

EM



(*) According to the refrigerant used

Families

FAMILIES	LBP				H/MBP			
	R134a	R404A	R290	R600	R134a	R404A	R290	R600a
EM	✓	✓	✓	✓	✓	✓	✓	✓
NEK/NEU	✓	✓	✓	✗	✓	✓	✓	✓
NT/NTU	✓	✓	✓	✗	✓	✓	✓	✗
NJ	✓	✓	✗	✗	✓	✓	✗	✗

Voltage & Frequencies

Code	Voltage & Frequency	Voltage Working Range		Minimum Start Voltage	
		50Hz	60Hz	50Hz	60Hz
A	220-240V/50Hz 1 ~	198V - 254V		187V	
B	200-230V/50Hz (208-230V/60Hz) 1 ~	180V - 244V	187V-244V	170V	177V
C	220V/50Hz 1 ~	200V - 242V		187V	
D	208-230V/60Hz 1 ~		187V - 244V		177V
E	115-127V/60Hz		103 - 134V		98V
G	115V/60Hz 1 ~		103V-127V		98V
J	230V/60Hz 1 ~		207V-253V		195V
K	200-220 V 50 Hz 1~ / (230 V 60 Hz 1~)	180V-234V	207V-253V	170V	195V
M	380-420V/50Hz (440-480V/60Hz) 3 ~	332V-445V	396-509V	323V	374V
N	200-240V/50Hz (230V/60Hz) 1 ~	180V-254V	207V-253V	170V	195V
Q	100V 50/60Hz	90-110V	90-110V	85V	85V
R	200V/50-60Hz 3 ~	180V-220V	180V-220V	170V	170V
V	230V/50Hz 1 ~	207V-253V		195V	
Z	200-230V/60Hz 1 ~		180V-244V		170V

Fan Cooling Characteristic

FREE AIRFLOW	m³/h	COMPRESSOR
	270 or 520*	EMT
	520	NEK - NT
	800	NJ

(*) For specific model see catalogue data page

Cooling Type



Static Cooling:
the compressor does not require forced cooling, but it must be installed so that the ambient air can adequately cool to avoid overheating



Fan Cooling:
the compressor requires forced cooling through the use of a fan

Model	Volt./Freq.	Motor Type	Accessories	Packaging
-------	-------------	------------	-------------	-----------

Electrical motor starting torque

LST	Low Starting Torque: Compressors with RSIR-RSCR-PSC electrical motors for systems with capillary tube and with balanced pressures at start up.
HST	High Starting Torque: Compressors with CSIR-CSR and 3ph electrical motors for systems with balanced or unbalanced pressures at start up.

Electrical motor types

RSIR	Resistance Start – Inductive Run This motor type, used in the compressor of small power, has a low starting torque (LST) and must be applied only to capillary tube systems where the pressures equalize. The motor is characterized by a start winding with high ohmic resistance and must be disconnected when it reaches the stabilized rotational speed. An electromagnetic relay, calibrated for the motor current, disconnects the start winding at the end of the start up. An alternative to the electromagnetic relay is, for some models, a PTC solid state-starting device.
RSCR	Resistance Start – Capacitive Run Similar to RSIR motor version but uses a PTC solid state starting device and a permanent connected run capacitor to improve its efficiency.
CSIR	Capacitive Start – Inductive Run Similar to RSIR motor, with a different start winding in series with a start capacitor of suitable capacitance to get a high starting torque.
CSR	Capacitive Start & Run CSR version with capacitive run and start windings. Same as PSC motor but with a start capacitor in series with the start winding. A potential starting relay, calibrated for each motor, disconnects the start capacitor at the end of the start. The motor is characterized by a high starting torque (HST) and high efficiency.
PSC	Permanent Split Capacitor: PSC version with capacitive run winding. This motor is characterized by the run capacitor permanently connected in series with the start winding; both remain connected even after the motor starts. The starting torque is enough to guarantee that the compressor starts only with balanced pressures in capillary tubes systems or with a pressure equalizer.
3Ø	Three Phase Three-phase windings with star connections

Electrical components

Motor Type	Overload Protector	Starting Device			Capacitors	
		Current Relay	Voltage Relay	PTC	Start	Run
RSIR	✓	✓	✗	✓	✗	✗
RSCR	✓	✗	✗	✓	✗	✓
CSIR	✓	✓	✗	✗	✓	✗
CSR	✓	✗	✓	✗	✓	✓
PSC	✓	✗	✗	✗	✗	✓

Model	Volt./Freq.	Motor Type	Accessories	Packaging
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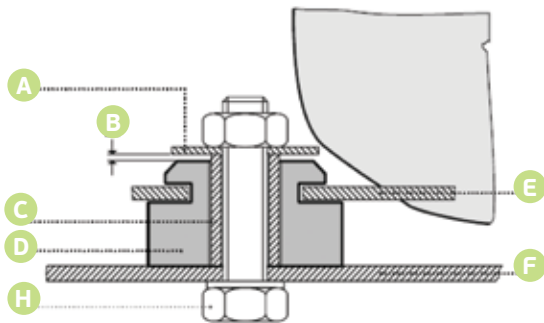
Accessories & Options

ACCESSORIES & OPTIONS				
	EMT	NEK	NT	NJ
A	Only Rubber Grommets	Only Rubber Grommets	Only Rubber Grommets	Only Rubber Grommets
P	snap-on kit	snap-on kit	✗	✗
V	✗	✗	✗	Rotolock Valve Mechanical
Z	✗	✗	✗	Rotolock Valve Solder

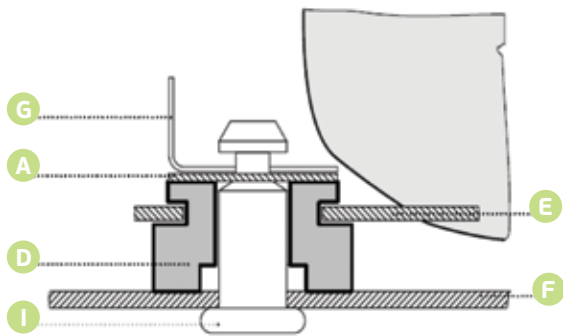
Assembling Accessories

A. SLEEVE & SCREW

Screw and Washer are not part of delivery



P. SNAP ON

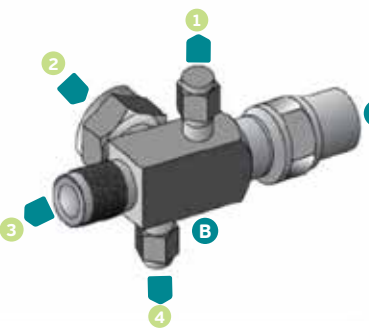


Rubber Grommets Assembling Process:

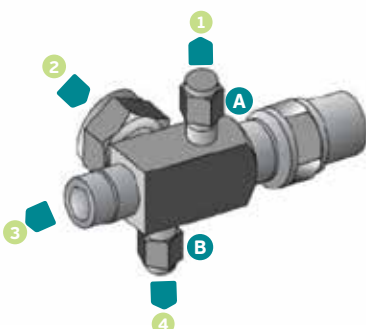
- A** Washer
- B** Gap
- C** Sleeve
- D** Grommets
- E** Base Plate
- F** Mounting Base
- G** Clip
- H** Screw
- I** Pin

Rotolock Valve

V. THREADED CONNECTION



Z. BRAZED CONNECTION

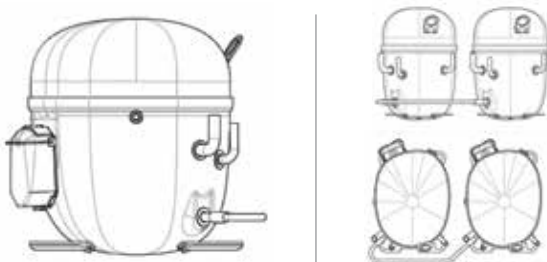


- 1** Attachment for service or for a manometer
- 2** Connection to the receiver or to the compressor
- 3** Main port
- 4** Connections for pressure-stat

A & B Service caps (hexagonal nuts)

NT/NJ Gemini

Gemini is a product line that matches low noise and short height for typical semi-hermetic solution. Through an especial shape Embraco designed an hermetic light commercial compressors which can be embedded in appliances, considering individual or dual mode, it means a modular cooling capacity when demanded. These products are available in condensing units and also only compressors.



► Packaging code

EMT/EMY/EMX						
SINGLE MULTIPLE PACK	CODE	QTY COMPRESSORS	LAYERS	ELECTRICAL COMPONENTS		NOTES
				ASSEMBLED	NOT ASSEMBLED	
SINGLE PACK	A	70	14+14+14+14+14	✓	✗	excluded capacitor
	R	100	20+20+20+20+20	✗	✓	grommets and sleeves delivered separately
	S	120	20+20+20+20+20+20	✗	✓	
	G	100	20+20+20+20+20	✓	✗	
	N	37	20+17	✓	✗	and accessories included
	O	74	20+20+20+14	✓	✗	and accessories included

NE/NEK/NEU						
SINGLE MULTIPLE PACK	CODE	QTY COMPRESSORS	LAYERS	ELECTRICAL COMPONENTS		NOTES
				ASSEMBLED	NOT ASSEMBLED	
SINGLE PACK	A	56	14+14+14+14	✓	✗	excluded capacitor
	F	44	11+11+11+11	✗	✓	with electrical box inside pack
	J	56	14+14+14+14	✓	✗	including capacitor
MULTIPLE PACK	H	28	14+14	✓	✗	with electrical box inside pack
	M	80	20+20+20+20	✗	✓	electricals packed in separate carton box
	N	40	20+20	✗	✓	electricals packed in separate carton box
	O	74	20+17+20+17	✓	✗	
	Q	37	20+17	✓	✗	

NT/NTU						
SINGLE MULTIPLE PACK	CODE	QTY COMPRESSORS	LAYERS	ELECTRICAL COMPONENTS		NOTES
				ASSEMBLED	NOT ASSEMBLED	
SINGLE PACK	A	44	14+14+14+14	✓	✗	excluded capacitor
	F	44	11+11+11+11	✗	✓	with electrical box inside pack
MULTIPLE PACK	C	36	18+18	✗	✓	
	Z	24	12+12	✓	✗	

NJ						
SINGLE MULTIPLE PACK	CODE	QTY COMPRESSORS	LAYERS	ELECTRICAL COMPONENTS		NOTES
				ASSEMBLED	NOT ASSEMBLED	
SINGLE PACK	A	33	11+11+11	✗	✓	excluded capacitor
	F	33	11+11+11	✗	✗	with electrical box inside pack
MULTIPLE PACK	C	36	18+18	✗	✓	
	Y	28	14+14	✓	✗	

► Load Characteristics for 20 ft container

SERIES	FIRST LAYER PACK N° - N° COMP.	SECOND LAYER PACK N° - N° COMP.	THIRD LAYER PACK N° - N° COMP.	TOTAL N° OF COMPRESSORS
EM	14 - 120	14 - 60	4	2.520
NE 1	14 - 72	11 - 72 2	4	1.800
	14 - 72	13 - 73 2	4	1.944
NT 1	14 - 36	14 - 36	7 - 36 4	1.260
	14 - 72	14 - 36	4	1.512
NJ	14 - 36	11 - 36 2	4	900

1. The different load structure (1.800 or 1.944 NE/NEK series compressors - 1.260 or 1.512 NT compressors) is determined by the ratio between the maximum container weight and the compressor weight.
2. No. 2 package filler is added (containing all the equipped components).
3. A package as filler packaging, containing part of the equipped components is added.
4. Type of load which is rarely used. To be avoided due to an incomplete 3rd layer.
5. Packages are added containing the equipped components.

► Identification Label

NEK/NEU/NT/NTU/NJ label



- 1 Compressor model
- 2 Supply Voltage
- 3 Bill of Materials code
- 4 Serial Number
- 5 Agency Approval Marks
- 6 Date code or Production date
- 7 Oil type and quantity
- 8 Refrigerant type
- 9 Current Consumption (Rated Load Amperage, when applicable)
- 10 Locked Rotor Amperage (when applicable)

EM label



- 1 Compressor model
- 2 Supply Voltage
- 3 Bill of Materials code
- 4 Serial Number
- 5 Agency Approval Marks
- 6 Date code or Production date
- 7 Oil type and quantity
- 8 Refrigerant type
- 9 Current Consumption (Rated Load Amperage, when applicable)
- 10 Locked Rotor Amperage (when applicable)

GENERAL DATA & PERFORMANCE

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60 Hz
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50 Hz
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60 Hz
LBP — pag. 60
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50 Hz
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60 Hz
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M/MBP — pag. 54

50 Hz

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HBP	— pag. 64

How to read our catalogue

Example:

➤ **R134a** ①

② LBP 50Hz ③

MODEL	DISPLACEMENT m³/h	W/P	VOLTAGE FREQUENCY	WATER TEMP.	COOLING CAPACITY (EN12808)																		WALL MOUNT	W/HEAT EXCH.	I/P	COOLING TYPE	R410A FLOW M3/H	S/S		EXP. TYPE	STANDARD		MODEL
					WATER PUMP: 4-100W (23.2 °C / 54.6 °F)		WATER PUMP: 100-150W (37 °C / 98.6 °F)		COOLING TEMP. °C		COOLING TEMP. °C		S1		S2		S1	S2															
					1	2	1	2	1	2	1	2	1	2	1	2																	
ENT206P	3.00	1/12	220-240V 50Hz 1-	REAR	5	1.19	37.30	0.83	55	54	79	59	1420	124	158	7.10	8.00	5	380	PCV 22	C	DR503	5000	ENT206L									
ENT206P	3.00	1/10	220-240V 50Hz 1-	REAR	108	1.27	55.71	0.99	66	65	89	70	158	137	174	10.7	12.0	5	380	PCV 22	C	DR503	5000	ENT206L									
ENT406P	6.00	1/8	220-240V 50Hz 1-	REAR	132	1.30	45.40	0.95	68	66	127	104	207	154	252	16.8	17.0	6.70	5	380	PCV 20	C	DR503	5000	ENT406L								
ENT606P	9.00	1/4	220-240V 50Hz 1-	REAR	181	1.33	70.20	1.16	65	63	110	144	186	135	192	18.8	17.7	6.80	5	380	PCV 22	C	DR503	5000	ENT606L								
ENT806P	9.70	1/2	220-240V 50Hz 1-	REAR	177	1.17	66.00	0.98	66	65	131	178	218	159	199	18.8	17.6	6.80	5	380	PCV 22	C	DR503	5000	ENT806L								
MDL114Z	7.07	1/9	220-240V 50Hz 1-	REAR	194	1.44	98	1.11	55	54	162	140	310	190	426	300	10.80	14.00	5	380	PCV 22	C	DR503	5000	MDL114L								
MDL114Z	7.07	1/6	220-240V 50Hz 1-	TOP	189	1.12	93	0.99	55	54	136	184	241	195	378	289	10.40	10.00	5	380	PCV 22	C	DR503	5000	MDL114L								
MDL114Z	8.10	1/4	220-240V 50Hz 1-	REAR	239	1.42	111	1.08	48	46	144	196	268	228	427	328	10.70	10.00	5	380	PCV 22	C	DR503	5000	MDL114L								
MDL114Z	9.20	1/4	220-240V 50Hz 1-	TOP	258	1.18	130	0.99	45	44	166	220	289	270	464	372	10.9	10.00	10.00	5	380	PCV 22	C	DR503	5000	MDL114L							
MDL114Z	9.20	1/4	220-250V 50Hz / 230V 50Hz 1-	TOP	258	1.18	130	0.99	45	44	166	220	289	270	464	372	10.9	10.00	10.00	5	380	PCV 22	C	DR503	5000	MDL114L							

1 Grouped by refrigerant type

2 Grouped by Application Type

3 Data classified by supply frequency

4 Model Selection

5 Cooling capacity
@ rated point
ASHRAE & EN12900 or ARI or CECOMAF

6 Operative Range of evaporating temp

R134a
LBP 50Hz

EDT 50Hz										COOLING CAPACITY EN12900																	
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-35°C/40 °C			-30	-25	-20	-15	-10	-5						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
EMT	EMT22HLP	3,01	1/12	220-240V 50Hz 1~	RSIR-RSCR	75	1,19	37	0,83	55		54	75	98	125	152	7,1	158	3,0	S	-	180	POE 22	C	DWG01	SM00	EMT22HLP
										45	50	69	91	119	151												
	EMT36HLP	3,97	1/10	220-240V 50Hz 1~	RSIR-RSCR	108	1,27	54	0,99	55		79	105	137	174	217	7,5	166	3,8	S	-	180	POE 22	C	DWG01	SM00	EMT36HLP
										45	71	94	123	160	203	254											
	EMT43HLP	4,85	1/8	220-240V 50Hz 1~	RSIR-RSCR	132	1,30	66	0,91	55		96	127	164	207	252	7,5	166	4,7	S	-	180	POE 22	C	DWG01	SM00	EMT43HLP
										45	86	117	153	195	247												
	EMT49HLP	5,57	1/6	220-240V 50Hz 1~	RSIR-RSCR	151	1,33	78	1,16	55		110	144	186	235	292	7,7	166	4,8	S	-	180	POE 22	C	DWG01	SM00	EMT49HLP
										45	98	131	170	217	274	342											
	EMT60HLP	6,76	1/6	220-240V 50Hz 1~	RSIR-RSCR	177	1,17	88	0,88	55		131	175	228	290	359	7,6	166	6,2	S	-	180	POE 22	C	DWG01	SM00	EMT60HLP
										45	117	158	208	270	341	421											
NE/NEK	NEK1116Z	7,40	1/5	220-240V 50Hz 1~	RSIR-RSCR	194	1,44	93	1,12	55		141	262	245	312	390	10,8	200	14,0	S	-	350	POE 22	C	DWG02	SM00	NEK1116Z
										45	126	172	225	291	367	460											
	NEK2116Z	7,40	1/5	220-240V 50Hz 1~	CSIR	187	1,22	93	0,89	55		136	184	241	305	378	10,4	200	10,0	S	-	350	POE 22	C	DWG03	SM05	NEK2116Z
										45	121	166	221	284	357	436											
	NEK1118Z	8,40	1/4	220-240V 50Hz 1~	RSIR-RSCR	224	1,43	111	1,08	55		163	217	283	357	446	10,7	200	16,0	S	-	350	POE 22	C	DWG02	SM00	NEK1118Z
										45	144	195	256	328	417	519											
	NE1121Z	9,27	1/4	220-240V 50Hz 1~	RSIR	253	1,28	125	0,89	55		186	246	319	403	500	10,9	200	16,5	F	520	350	POE 22	C	DWG03	SM03	NE1121Z
										45	166	220	288	370	464	572											
	NE1121Z	9,27	1/4	200-220V 50Hz / 230V 60Hz 1~	RSIR	253	1,28	126	0,93	55		217	288	373	472	584	10,9	200	18,0	F	520	350	POE 22	C	DWG03	SM03	NE1121Z
										45	193	258	337	433	544	669											
	NE2121Z	9,27	1/4	220-240V 50Hz 1~	CSIR	250	1,23	124	0,86	55		183	245	317	403	500	10,9	200	12,6	F	520	350	POE 22	C/V	DWG03	SM05	NE2121Z
										45	163	217	285	368	465	575											
	NE2121Z	9,27	1/4	200-220V 50Hz / 230V 60Hz 1~	CSIR	253	1,28	126	0,90	55		186	246	319	403	500	10,9	200	15,0	F	520	350	POE 22	C/V	DWG03	SM05	NE2121Z
										45	166	220	288	370	464	572											
	NE1130Z	12,12	1/3	220-240V 50Hz 1~	RSIR	323	1,32	161	0,85	55		238	313	402	506	624	10,9	200	16,3	F	520	350	POE 22	C	DWG03	SM03	NE1130Z
										45	211	281	366	466	583	715											
	NE1130Z	12,12	1/3	200-220V 50Hz / 230V 60Hz 1~	RSIR	323	1,24	161	0,86	55		238	313	402	506	624	10,9	200	22,0	F	520	350	POE 22	C	DWG03	SM03	NE1130Z
										45	211	281	366	466	583	715											
	NE2130Z	12,12	1/3	200-220V 50Hz / 230V 60Hz 1~	CSIR	314	1,22	156	0,85	55		230	305	391	490	601	11,6	200	17,0	F	520	350	POE 22	C/V	DWG03	SM05	NE2130Z
										45	204	268	348	444	555	684											
NE2130Z	12,12	1/3	220-240V 50Hz 1~	CSIR	343	1,32	171	0,85	55		255	332	426	536	660	10,9	200	13,2	F	520	350	POE 22	C/V	DWG03	SM05	NE2130Z	
									45	227	298	386	491	613	753												
NE2130Z	12,12	1/3	100V 50-60HZ 1~	CSIR	323	1,20	161	1,16	55		230	305	391	490	601	10,9	200	32,0	F	520	350	POE 22	C/V	DWG03	SM05	NE2130Z	
									45	204	268	348	444	555	684												
NE2134Z	14,30	1/3	220-240V 50Hz 1~	CSIR	359	1,23	179	0,90	55		267	351	453	571	711	11,6	206	17,0	F	520	350	POE 22	C/V	DWG03	SM05	NE2134Z	
									45	234	313	410	526	662	822												
NEK2140Z	16,80	1/2	220-240V 50Hz 1~	CSIR	437	1,28	217	1,02	55		319	421	543	686	820	11,6	206	17,0	F	520	350	POE 22	C/V	DWG03	SM05	NEK2140Z	
									45	274	372	493	635	799	991												

NOTE: performance curves are calculated from Ashrae actual curves.

R134a
HBP 50Hz

HDP 50Hz									COOLING CAPACITY EN12900																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					7,2 °C / 54,4 °C		5°C/50 °C			-15	-10	-5	0	5	10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
EMT/EMTE	EMT37HDP	3,40	1/8	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	351	2,56	321	2,46	55		150	189	237	298	361	7,2	166	4,3	S	-	180	POE 22	C	DWG01	SM00	EMT37HDP
										45	146	184	229	284	343	423											
	EMT37HDP	3,40	1/8	220-240V 50Hz 1~	RSIR	351	2,55	321	2,46	55		153	194	241	294	355	7,2	158	4,3	S	-	180	POE 22	C	DWG01	SM00	EMT37HDP
										45	142	181	228	245	343	412											
	EMT50HDP	4,50	1/6	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	474	2,58	427	2,54	55		203	257	319	390	469	7,7	166	9,1	S	-	180	POE 22	C	DWG01	SM00	EMT50HDP
										45	187	240	303	324	458	549											
	EMT45HDR	3,97	1/8	220-240V 50Hz 1~	CSIR	421	2,66	379	2,58	55		150	189	237	298	361	7,7	166	5,4	S	-	180	POE 10	C/V	DWG01	SM05	EMT45HDR
										45	146	184	229	284	402	423											
	EMT50HDP	4,50	1/6	220-240V 50Hz 1~	RSIR	475	2,58	423	2,47	55		203	256	318	388	472	7,7	166	5,4	S	-	180	POE 22	C	DWG01	SM00	EMT50HDP
										45	191	242	303	374	456	549											
EMT6144Z	5,20	1/5	220-240V 50Hz 1~	CSIR	577	2,6	519	2,53	55		250	313	388	474	573	7,8	166	8,5	F	270	180	POE 22	C/V	DWG01	SM05	EMT6144Z	
									45	232	294	367	395	549	661												
EMT6160Z	6,76	1/4	220-240V 50Hz 1~	CSIR	720	2,4	648	2,34	55		322	403	495	600	718	7,8	166	9,8	F	520	180	POE 22	C/V	DWG01	SM05	EMT6160Z	
									45	298	377	469	504	696	830												
EMT6170Z	7,69	1/4	220-240V 50Hz 1~	CSIR	806	2,26	725	2,18	55		358	448	550	663	789	7,8	166	10,4	F	520	180	POE 22	C/V	DWG01	SM05	EMT6170Z	
									45	330	418	522	559	771	915												
EMTE6187Z	9,50	1/1	220-240 / 50 Hz	CSIR	943	2,52	975	2,87	55		485	592	732	906	1081	8,6	171	16,5	F	520	210	POE 22	C/V	DWG01	SM05	EMT6187Z	
									45	356	460	564	705	871	1037												
NEK	NEK6160Z	7,28	1/4	220-240V 50Hz 1~	CSIR	716	2,41	663	2,41	55		296	376	472	586	716	10,4	187	11,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6160Z
										45	281	355	448	481	687	834											
	NEK6160Z	7,28	1/4	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	717	2,41	663	2,41	55		290	371	470	586	720	10,4	187	13,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6160Z
										45	277	350	442	478	684	833											
	NEK6170Z	8,40	1/4	220-240V 50Hz 1~	CSIR	837	2,41	775	2,45	55		360	453	562	689	833	10,4	187	12,4	F	520	350	POE 22	C/V	DWG03	SM05	NEK6170Z
										45	336	422	527	572	798	964											
	NEK6170Z	8,40	1/4	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	841	2,44	775	2,46	55		358	451	563	693	841	10,8	200	16,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6170Z
										45	335	420	526	573	802	971											
	NEK6170Z	8,40	1/4	100V 50/60Hz 1~	CSIR	823	2,18	762	2,16	55		313	384	496	650	844	10,4	187	34	F	520	350	POE 22	C/V	DWG03	SM05	NEK6170Z
										45	337	367	445	505	742	958											
	NEK6187Z	10,00	1/3	220-240V 50Hz 1~	CSIR	967	2,36	896	2,38	55		402	511	642	793	965	11,0	200	16,1	F	520	350	POE 22	C/V	DWG03	SM05	NEK6187Z
										45	378	477	600	654	918	1113											
	NEK6187Z	10,00	1/3	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	965	2,39	894	2,40	55		439	538	657	796	955	11,6	206	19,3	F	520	350	POE 22	C/V	DWG03	SM05	NEK6187Z
										45	375	479	606	669	928	1123											
NEK6210Z	12,12	1/3	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	1105	2,13	1024	2,16	55		454	554	699	891	1128	11,6	206	19,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6210Z	
									45	469	523	637	711	1031	1314												
NEK6210Z	12,12	1/3	220-240V 50Hz 1~	CSIR	1129	2,29	1046	2,29	55		480	619	773	942	1127	11,0	200	20	F	520	350	POE 22	C/V	DWG03	SM05	NEK6210Z	
									45	456	578	726	787	1097	1319												
NEK6212Z	14,30	1/2	200-230V 50Hz / 208-230V 60Hz 1~	CSR	1302	2,12	1206	2,14	55		565	712	882	1076	1291	11,6	206	19,5	F	520	350	POE 22	C/V	DWG03	SM06	NEK6212Z	
									45	521	662	830	898	1249	1498												
NEK6212Z	14,30	1/2	220-240V 50Hz 1~	CSIR	1314	2,09	1217	2,12	55		562	708	881	1081	1308	11,2	206	22,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6212Z	
									45	534	665	828	897	1248	1504												
NEK6214Z	16,80	1/2	220-240V 50Hz 1~	CSIR	1486	1,92	1315	1,90	55		640	814	1008	1215	1473	11,6	206	25,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK6214Z	
									45	593	752	945	1026	1412	1701												
NEU	NEU6210Z	12,12	1/2	220-240V 50Hz 1~	CSIR	1231	2,37	1102	2,33	55		530	663	825	1016	1235	10,6	200	18,5	F	520	350	POE 22	C/V	DWG03	SM05	NEU6210Z
										45	489	615	770	955	1170	1414											
	NEU6210Z	12,12	1/2	220-240V 50Hz 1~	CSR	1247	2,58	1109	2,48	55		530	672	839	1032	1250	10,6	200	18,5	F	520	350	POE 22	C/V	DWG03	SM06	NEU6210Z
										45	483	618	780	969	1186	1431											
	NEU6212Z	14,30	1/2	220-240V 50Hz 1~	CSIR	1438	2,31	1271	2,22	55		595	767	965	1188	1437	11,2	200	20	F	520	350	POE 22	C/C	DWG03	SM06	NEU6212Z
										45	556	706	892	1111	1365	1653											
	NEU6212Z	14,30	1/2	220-240V 50Hz 1~	CSR	1456	2,52	1288	2,41	55		616	779	974	1201	1461	11,2	200	20	F	520	350	POE 22	C/C			

NOTE: performance curves are calculated from Ashrae actual curves.

R134a
HBP 50Hz

										COOLING CAPACITY EN12900																	
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					7,2 °C / 54,4 °C		5°C/50 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-15	-10	-5	0	5	10												
NT/NTU	NT6215Z	17,4	1/2	200-240V 50Hz / 230V 60Hz 1~	CSIR	1607	2,52	1405	2,38	55		661	829	1033	1282	1582	17,0	220	20,7	F	520	450	POE 22	C/V	DWG15	SM19	NT6215Z
										45	627	796	998	1241	1533	1883											
	NT6215Z	17,4	1/2	220V 50Hz 1~	CSIR	1620	2,29	1435	2,25	55		646	843	1071	1326	1606	17,0	207	21	F	520	450	POE 22	C/V	DWG15	SM19	NT6215Z
										45	621	796	1014	1090	1567	1894											
	NT6217Z	20,4	3/4	220-240V 50Hz 1~	CSIR	1863	2,31	1655	2,20	55		791	991	1234	1521	1853	17,0	220	25	F	520	450	POE 22	C/V	DWG15	SM19	NT6217Z
										45	754	938	1173	1256	1795	2185											
	NT6217Z	20,4	3/4	220-240V 50Hz 1~	CSR	1963	2,67	1695	2,42	55		799	1010	1271	1582	1945	17,0	220	25	F	520	450	POE 22	C/V	DWG15	SM21	NT6217Z
										45	754	947	1196	1294	1867	2294											
	NT6217Z	20,4	3/4	200-240V 50Hz / 230V 60Hz 1~	CSIR	1863	2,41	1619	2,20	55		764	961	1196	1473	1800	17,0	220	25	F	520	450	POE 22	C/V	DWG15	SM19	NT6217Z
										45	712	912	1148	1428	1757	2143											
	NT6217Z	20,4	3/4	200-240V 50Hz / 230V 60Hz 1~	CSR	1943	2,67	1680	2,40	55		772	980	1232	1532	1890	17,0	220	25	F	520	450	POE 22	C/V	DWG15	SM21	NT6217Z
										45	712	921	1171	1471	1827	2250											
NT6220Z	22,4	3/4	200-240V 50HZ/230V 60Hz 1~	CSIR	2016	2,34	1744	2,13	55		852	1060	1303	1586	1915	17,2	220	29,5	F	520	450	POE 22	C/V	DWG15	SM19	NT6220Z	
										45	800	1011	1260	1554	1897												2294
NT6220Z	22,4	3/4	200-240V 50Hz/230V 60Hz 1~	CSR	2016	2,55	1752	2,34	55		861	1081	1342	1649	2011	17,2	220	28	F	520	450	POE 22	C/V	DWG15	SM21	NT6220Z	
										45	808	1021	1285	1601	1973												2409
NTU6222ZV	23,7	3/4	220-240V 50Hz 1~	CSCR	2424	3,09	2117	2,89	55		1044	1305	1605	1955	2365	18,3	253	30	F	520	650	POE 22	C/V	DWG19	SM26	NTU6222ZV	
										45	968	1225	1521	1866	2273												2754
NTU6224ZV	27,8	1	220-240V 50Hz 1~	CSCR	2767	3,00	2582	2,94	55		1272	1574	1921	2325	2795	18,3	253	30	F	520	650	POE 22	C/V	DWG19	SM26	NTU6224ZV	
										45	1179	1484	1834	2242	2720												3277
NJ	NJ6220Z	26,1	3/4	220-240V 50Hz 1~	CSIR	2547	2,60	2021	2,16	55		875	1147	1459	1826	2260	20,5	265	35,0	F	800	750	POE 22	C/V	DWG14	SM14	NJ6220Z
											45	822	1104	1419	1780	2202											
	NJ6220ZX	26,1	3/4	380-420V 50Hz / 440-480V 60Hz 3 ~	3PHASE	2547	2,91	2240	2,40	55		993	1326	1693	2096	2534	19,6	265	10,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ6220ZX
											45	882	1159	1502	1723	2389											
	NJ6226Z	34,4	1	220-240V 50Hz 1~	CSCR	2976	2,41	2610	2,20	55		1182	1531	1923	2371	2886	19,8	253	31,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ6226Z
											45	1144	1497	1892	2340	2852											
	NJ6226ZX	34,4	1	380-420V 50Hz / 440-480V 60Hz 3 ~	3PHASE	2976	2,50	2740	2,40	55		1214	1589	2004	2457	2950	20,2	265	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ6226ZX
											45	1304	1644	2044	2039	3027											

NOTE: performance curves are calculated from Ashrae actual curves.

R134a
LBP 60Hz

BDP 60HZ									COOLING CAPACITY ARI 540																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-23,3 °C/48,9 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-30	-25	-20	-15	-10	-5												
NE/NEK	NEK2116Z	7,40	1/5	115V 60Hz 1~	CSIR	216	1,17	171	0,92	55	295	432	615	844	213	1439	10,0	200	22,0	S	-	350	POE 22	C/V	DWG04	SM04	NEK2116Z
										45	417	577	780	1025	1312	1643											
	NE2121Z	9,27	1/4	115V 60Hz 1~	CSIR	278	1,09	204	0,81	55	109	147	195	252	319	395	11,0	200	29,0	F	520	350	POE 22	C/V	DWG04	SM04	NE2121Z
										45	132	176	230	295	371	457											
	NE2130Z	12,12	1/3	100V 50/60Hz 1~	CSIR	367	1,19	269	1,16	55	166	227	300	383	479	586	11,0	200	38,0	F	520	350	POE 22	C/V	DWG04	SM04	NE2130Z
										45	205	268	348	443	553	679											
	NE2130Z	12,12	1/3	115V 60Hz 1~	CSIR	367	1,19	269	0,88	55	166	227	300	383	479	586	11,0	200	38,0	F	520	350	POE 22	C/V	DWG04	SM04	NE2130Z
										45	205	268	348	443	553	679											
	NE2134Z	14,30	1/2	115V 60Hz 1~	CSIR	425	1,23	312	0,91	55	191	257	334	424	533	660	11,0	200	33,0	F	520	350	POE 22	C/V	DWG04	SM04	NE2134Z
										45	228	303	392	495	618	764											
NE	NE2134Z	14,30	1/2	208-230V 60Hz 1~	CSIR	409	1,24	300	0,92	55	188	252	332	425	533	654	11,6	206	21,0	F	520	350	POE 22	C/V	DWG04	SM04	NE2134Z
										45	230	302	392	498	622	763											
NEK	NEK2140Z	16,80	1/2	115V 60Hz 1~	CSIR	500	1,19	390	0,94	55	236	314	417	546	698	876	11,0	206	40,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK2140Z
										45	279	378	503	653	828	1030											
NT	NT2152ZV	26,2	1/2	115V 60Hz 1~	CSR	681	1,31	610	1,07	55	200	425	646	871	1104	1351	18,2	250	70,0	F	520	450	POE 22	C/V	DWG17	SM26	NT2152ZV
										45	380	593	814	1048	1303	1582											

NOTE: performance curves are calculated from Ashrae actual curves.

R134a
HBP 60Hz

REFrigerant R410A										COOLING CAPACITY ARI 540							REFrigerant R410A										
SERIES MODEL		DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL
						7,2 °C / 54,4 °C		7,2 °C/54,4 °C			-15	-10	-5	0	5	10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.	
EMT	EMT37HDP	3,40	1/2	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	422	2,48	378	2,22	55		184	231	286	348	417	7,7	166	5,4	S	-	180	POE 22	C	DWG01	SM00	EMT37HDP
										45	172	215	269	332	403	485											
	EMT50HDP	4,50	1/2	200-230V 50Hz / 208-230V 60Hz 1~	RSIR	563	2,55	506	2,29	55		248	310	382	464	556	7,7	166	9,1	S	-	180	POE 22	C	DWG01	SM00	EMT50HDP
										45	232	289	360	441	534	642											
NEK	NEK6132Z	4,52	1/6	115V 60Hz 1~	CSIR	516	2,13	473	1,94	55		211	272	346	431	529	10	187	26,0	S	-	350	POE 22	C/V	DWG04	SM04	NEK6132Z
										45	192	250	322	408	505	617											
	NEK6144Z	5,45	1/6	115V 60Hz 1~	CSIR	640	2,18	584	1,98	55		268	343	432	535	652	10,1	187	26,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6144Z
										45	245	315	399	499	612	740											
	NEK6160Z	7,28	1/4	115V 60Hz 1~	CSIR	845	2,35	758	2,11	55		354	450	563	694	846	10,4	187	28,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6160Z
										45	327	418	529	657	803	967											
	NEK6160Z	7,28	1/4	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	845	2,41	758	2,17	55		351	450	563	693	839	10,4	187	13,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6160Z
										45	330	415	522	650	799	966											
	NEK6170Z	8,40	1/4	115V 60Hz 1~	CSIR	978	2,34	878	2,10	55		423	527	655	804	974	10,4	187	28,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6170Z
										45	396	493	616	762	932	1126											
	NEK6170Z	8,40	1/4	100V 50/60Hz 1~	CSIR	823	2,18	738	1,95	55		382	461	585	759	988	10,4	187	35,5	F	520	340	POE 22	C/V	DWG04	SM04	NEK6170Z
										45	404	448	535	673	866	1119											
	NEK6170Z	8,40	1/4	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	981	2,38	881	2,14	55		428	532	657	804	970	10,8	200	16,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6170Z
										45	393	495	620	767	937	1130											
	NEK6187Z	10,00	1/3	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	1115	2,30	1000	2,06	55		477	603	750	918	1109	11,6	206	19,3	F	520	350	POE 22	C/V	DWG04	SM04	NEK6187Z
										45	426	549	693	857	1044	1253											
	NEK6187Z	10,00	1/3	115V 60Hz 1~	CSIR	1122	2,31	1007	2,07	55		476	597	746	921	1124	11,0	200	37,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6187Z
										45	442	555	697	868	1068	1295											
	NEK6210Z	12,12	1/2	200-230V 50Hz / 208-230V 60Hz 1~	CSIR	1267	2,10	1138	1,88	55		507	614	782	1011	1299	11,6	206	20,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6210Z
										45	543	598	721	911	1167	1487											
	NEK6210Z	12,12	1/3	115V 60Hz 1~	CSIR	1326	2,18	1190	1,96	55		575	722	895	1094	1319	11,0	200	37,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6210Z
										45	521	667	841	1041	1267	1520											
	NEK6212Z	14,30	1/2	200-230V 50Hz / 208-230V 60Hz 1~	CSR	1474	1,97	1323	1,77	55		660	825	1011	1221	1450	11,6	206	22,5	F	520	350	POE 22	C/V	DWG04	SM06	NEK6212Z
										45	611	778	971	1188	1432	1700											
	NEK6212Z	14,30	1/2	115V 60Hz 1~	CSIR	1517	1,98	1361	1,78	55		658	830	1028	1254	1506	11,6	206	40,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6212Z
										45	599	769	967	1193	1446	1728											
	NEK6212Z	14,30	1/2	115V 60Hz 1~	CSR	1568	2,18	1407	1,96	55		658	830	1028	1254	1506	11,6	206	40,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6212Z
										45	599	769	967	1193	1446	1728											
	NEK6214Z	16,80	1/2	208-230V 60Hz 1~	CSIR	1697	1,97	1523	1,77	55		731	921	1143	1396	1677	11,4	206	30,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6214Z
										45	671	851	1068	1321	1610	1933											
	NEK6214Z	16,80	1/2	208-230V 60Hz 1~	CSR	1712	2,11	1537	1,89	55		740	929	1153	1410	1698	11,4	206	30,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6214Z
										45	686	865	1081	1331	1617	1937											
	NEK6214Z	16,80	1/2	115V 60Hz 1~	CSR	1746	2,05	1568	1,84	55		748	948	1180	1443	1734	11,6	206	48,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6214Z
										45	689	875	1098	1357	1652	1980											
NEU	NEU6187Z	10,00	1/3	115V-127V 60Hz 1~	CSIR	1223	2,45	1154	2,23	55		501	680	908	1129	1278	10,7	200	39	F	520	350	POE 22	C/V	DWG04	SM04	NEU6187Z
										45	498	586	783	1031	1274	1455											
	NEU6187Z	10,00	1/3	115V-127V 60Hz 1~	CSR	1236	2,62	1163	2,35	55		500	682	916	1145	1312	10,7	200	39	F	520	350	POE 22	C/V	DWG04	SM06	NEU6187Z
										45	503	592	792	1044	1291	1475											
	NEU6212Z	14,30	1/2	115V 60Hz 1~	CSIR	1663	2,23	1571	2,10	55		746	934	1158	1417	1711	11,5	206	40	F	520	350	POE 22	C/V	DWG04	SM04	NEU6212Z
										45	675	856	1074	1330	1622	1951											
	NEU6212Z	14,30	1/2	115V 60Hz 1~	CSR	1674	2,4	1579	2,27	55		754	946	1177	1444	1749	11,5	206	40	F	520	350	POE 22	C/V	DWG04	SM06	NEU6212Z
										45	668	857	1084	1349	1650	1989											
NEU6214Z	16,80	1/2	115V 60Hz 1~	CSIR	1884	2,09	1776	1,97	55		846	1067	1325	1618	1947	11,6	206	50	F	520	350	POE 22	C/V	DWG04	SM04	NEU6214Z	
									45	763	973	1222	1512	1841	2210												
NEU6214Z	16,80	1/2	115V 60Hz 1~	CSR	1913	2,26	1799	2,13	55		847	1074	1338	1640	1978	11,6	206	50	F	520	350	POE 22	C/V	DWG04	SM06	NEU6214Z	
									45	765	978	1230	1522	1854	2225												

U.D. = under development

NOTE: performance curves are calculated from Ashrae actual curves.

R134a
HBP 60Hz

REF 60Hz									COOLING CAPACITY ARI 540																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					7,22°C/54,4 °C		7,2°C/54,4 °C			-15	-10	-5	0	5	10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
NT/NTU	NT6215Z	17,4	1/2	208-230V 60Hz 1~	CSIR	1876	2,25	1794	2,11	55		861	1085	1347	1648	1986	17,0	207	20,8	F	520	450	POE 22	C/V	DWG15	SM20	NT6215Z
										45	777	997	1256	1556	1895	2274											
	NT6215Z	17,4	1/2	115V 60Hz 1~	CSIR	1942	2,40	1925	2,37	55		893	1146	1439	1772	2144	16,5	207	44,0	F	520	450	POE 22	C/V	DWG15	SM20	NT6215Z
										45	818	1059	1334	1642	1985	2361											
	NT6215Z	17,4	1/2	115V 60Hz 1~	CSR	2015	2,61	1933	2,50	55		880	1121	1410	1743	2124	15,7	207	44,0	F	520	450	POE 22	C/V	DWG15	SM23	NT6215Z
										45	810	1043	1322	1652	2029	2454											
	NT6217Z	20,4	3/4	115V 60Hz 1~	CSIR	2186	2,21	1982	1,99	55		1040	1320	1635	1986	2372	17,5	220	45,0	F	520	450	POE 22	C/V	DWG15	SM20	NT6217Z
										45	950	1210	1520	1879	2285	2740											
	NT6217Z	20,4	3/4	115V 60Hz 1~	CSR	2189	2,29	2013	2,20	55		1051	1339	1655	2013	2425	17,5	220	45,0	F	520	450	POE 22	C/V	DWG15	SM23	NT6217Z
										45	956	1243	1558	1913	2320	2792											
	NT6217Z	20,4	3/4	208-230V 60Hz 1~	CSIR	2221	2,27	2126	2,18	55		999	1268	1581	1936	2336	16,7	220	31,0	F	520	450	POE 22	C/V	DWG15	SM20	NT6217Z
										45	922	1173	1474	1827	2229	2680											
	NT6217Z	20,4	3/4	208-230V 60Hz 1~	CSR	2287	2,58	2157	2,45	55		998	1267	1572	1935	2339	16,7	220	31,0	F	520	450	POE 22	C/V	DWG15	SM23	NT6217Z
										45	921	1170	1474	1829	2228	2680											
	NT6220Z	22,4	1	115V 60Hz 1~	CSIR	2431	2,22	2361	2,34	55		1169	1472	1810	2183	2592	17,0	220	54,5	F	520	450	POE 22	C/V	DWG17	SM20	NT6220Z
										45	1060	1334	1660	2036	2463	2941											
NT6220Z	22,4	1	115V 60Hz 1~	CSR	2466	2,48	2361	2,47	55		1174	1476	1821	2196	2605	17,0	220	54,5	F	520	450	POE 22	C/V	DWG17	SM21	NT6220Z	
									45	1067	1339	1668	2047	2481	2959												
NT6220Z	22,4	1	208-230V 60Hz 1~	CSIR	2447	2,27	2420	2,09	55		1150	1450	1797	2198	2665	17,2	220	33,7	F	520	450	POE 22	C/V	DWG16	SM20	NT6220Z	
									45	1061	1357	1696	2088	2540	3060												
NTU6222ZV	NTU6222ZV	23,7	1	115V 60Hz 1~	CSR	2965	2,96	2882	2,83	55		1322	1703	2138	2633	3185	18,3	250	70,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6222ZV
										45	1206	1575	2002	2490	3041	3654											
	NTU6222ZV	23,7	1	208-230V 60Hz 1~	CSR	2944	3,04	2893	2,91	55		1187	1628	2142	2678	3179	18,3	250	35,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6222ZV
										45	1111	1517	2014	2550	3068	3516											
	NTU6224ZV	27,8	1 1/4	115V 60Hz 1~	CSR	3471	2,82	3355	2,70	55		1590	2021	2508	3054	3664	18,1	250	78,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6224ZV
										45	1458	1881	2359	2898	3499	4167											
NTU6224ZV	27,8	1 1/4	208-230V 60Hz 1~	CSR	3391	2,87	3412	2,70	55		1622	2050	2519	3011	3509	18,1	250	46,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6224ZV	
									45	1501	1907	2396	2951	3522	4186												
NJ	NJ6220Z	26,1	1	208-230V 60Hz 1~	CSIR	2664	2,24	2391	2,01	55		955	1292	1687	2138	2644	20,3	265	42,0	F	800	750	POE 22	C/V	DWG14	SM14	NJ6220Z
										45	882	1226	1625	2077	2582	3138											
	NJ6220Z	26,1	1	115V 60Hz 1~	CSIR	2980	2,39	2674	2,14	55		1000	1334	1699	2100	2541	19,8	265	72,0	F	800	750	POE 22	C/V	DWG14	SM14	NJ6220Z
										45	886	1163	1506	1914	2387	2922											
	NJ6220ZX	26,1	1	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	2980	2,92	2674	2,62	55		1169	1560	1989	2457	2962	19,6	265	10,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ6220ZX
										45	1036	1360	1763	2240	2793	3419											
NJ6226Z	34,4	1 1/4	208-230V 60Hz 1~	CSR	3261	2,26	2927	2,03	55		1268	1680	2149	2673	3254	19,9	253	40,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ6226Z	
									45	1227	1621	2073	2583	3150	3772												
NJ6226ZX	34,4	1	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	3482	2,51	3125	2,25	55		1430	1870	2353	2881	3448	20,2	265	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ6226ZX	
									45	1533	1930	2398	2934	3537	4207												

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
LBP 50Hz

REF 50HZ									COOLING CAPACITY EN12900																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-35°C/40 °C			-40	-35	-30	-25	-20	-15	-10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
EMT	EMT2117GK	4,50	1/4	220-240V 50Hz 1~	CSIR	244	1,35	141	1,09	55			127	166	211	264	326	7,8	166	7,7	S	-	180	POE 22	C/V	DWG01	SM05	EMT2117GK
										45	91	125	164	210	265	330	408											
	EMT2121GK	5,20	1/3	220-240V 50Hz 1~	CSIR	300	1,4	174	1,12	55			168	212	264	327	400	7,8	166	8,5	F	270	180	POE 22	C/V	DWG01	SM05	EMT2121GK
										45	120	159	204	258	322	398	487											
	EMT2125GK	5,96	1/3	220-240V 50Hz 1~	CSIR	351	1,4	204	1,15	55			190	242	303	375	458	7,8	166	9,8	F	520	180	POE 22	C/V	DWG01	SM05	EMT2125GK
										45	140	185	238	301	373	462	562											
	EMT2130GK	6,76	1/2	220-240V 50Hz 1~	CSIR	390	1,34	222	1,08	55			205	263	330	407	497	8	171	12,14	F	520	180	POE 22	C/V	DWG01	SM05	EMT2130GK
										45	150	200	257	326	406	500	605											
NEK	NEK2125GK	6,20	1/3	220-240V 50Hz 1~	CSIR	341	1,22	178	0,9	55			169	221	283	354	434	10,4	187	12,4	F	520	350	POE 22	C/V	DWG03	SM05	NEK2125GK
										45	120	160	213	278	354	439	534											
	NEK2130GK	7,40	1/2	220-240V 50Hz 1~	CSIR	399	1,32	210	0,99	55			203	267	341	426	522	10,9	200	16	F	520	350	POE 22	C/V	DWG03	SM05	NEK2130GK
										45	132	187	254	332	422	524	640											
	NEK2134GK	8,78	1/2	220-240V 50Hz 1~	CSIR	464	1,3	253	1,00	55			239	313	401	501	611	11	200	16,1	F	520	350	POE 22	C/V	DWG03	SM05	NEK2134GK
										45	170	227	302	394	501	621	753											
	NEK2134GK	8,78	1/2	100V 50/60Hz 1~	CSIR	448	1,19	235	0,86	55			233	305	390	486	595	11,6	206	34	F	520	350	POE 22	C/V	DWG04	SM03	NEK2134GK
										45	165	223	295	330	486	603	735											
	NEK2134GK	8,78	1/2	100V 50/60Hz 1~	CSR	452	1,28	237	0,93	55			236	309	394	491,2	600	11,6	206	34	F	520	350	POE 22	C/V	DWG04	SM03	NEK2134GK
										45	169	225	297	332	487	606,4	741											
	NEK2150GK	12,12	3/4	220-240V 50Hz 1~	CSIR	616	1,24	346	0,98	55			326	419	529	657	807	11,6	206	19,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK2150GK
										45	235	313	408	522	657	814	995											
	NEK2150GK	12,12	1/2	100V 50/60Hz 1~	CSR	581	1,14	304	0,80	55			299	395	509	640,1	788	11,6	206	44	F	520	350	POE 22	C/V	DWG04	SM03	NEK2150GK
										45	212	286	381	429	634	791,3	969											
	NEK2168GK	14,30	3/4	220-240V 50Hz 1~	CSIR	688	1,13	360	0,95	55			358	468	596	743	909	11,6	206	24	F	520	350	POE 22	C/V	DWG03	SM05	NEK2168GK
										45	259	345	454	587	742	921	1123											
	NEK2168GK	14,30	3/4	220-240V 50Hz 1~	CSR	707	1,28	380	0,97	55			371	484	618	771,2	944	11,6	206	24	F	520	350	POE 22	C/V	DWG03	SM05	NEK2168GK
										45	263	353	466	605	767	954,7	1166											
NEU	NEU2140GK	8,78	1/2	220-240V 50Hz 1~	CSIR	490	1,33	275	1,13	55			260	339	432	536	654	10,6	200	13,5	F	520	350	POE 22	C/V	DWG03	SM05	NEU2140GK
										45	183	246	326	421	531	658	801											
	NEU2155GK	12,12	3/4	220-240V 50Hz 1~	CSIR	658	1,32	368	1,08	55			413	477	546	713	870	11,1	206	18	F	520	350	POE 22	C/V	DWG03	SM05	NEU2155GK
										45	246	328	432	557	705	875	1067											
	NEU2168GK	14,30	3/4	220-240V 50Hz 1~	CSIR	744	1,27	416	1,08	55			298	522	661	814	982	11,6	206	22	F	520	350	POE 22	C/V	DWG03	SM05	NEU2168GK
										45	271	372	496	642	810	1000	1213											
	NEU2168GJ	14,30	3/4	220-240V 50Hz 1 Ph.	CSR	790	1,49	437	1,21	55			411	537	684	852	1042	11,6	206	22	F	520	350	POE 22	C/V	DWG03	SM06	NEU2168GJ
										45	293	391	514	664	838	1038	1264											
NEU2178GK	16,80	1	220-240V 50Hz 1 Ph.	CSR	931	1,42	501	1,14	55			468	605	765	947	1152	11,6	206	21	F	520	350	POE 22	C/V	DWG03	SM06	NEU2178GK	
									45	334	447	586	753	947	1168	1416												

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
LBP 50Hz

NT										COOLING CAPACITY EN12900																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-35°C/40 °C			-40	-35	-30	-25	-20	-15	-10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W																				
NT	NT2168GK	14,5	3/4	200-240V 50Hz / 230V 60Hz 1~	CSIR	642	1,28	354	1,03	55			319	422	542	685	859	17	220	25	F	520	450	POE 22	C/V	DWG16	SM19	NT2168GK
										45	206	310	423	549	698	875	1089											
	NT2168GK	14,5	3/4	200-240V 50Hz / 230V 60Hz 1~	CSR	642	1,28	354	1,03	55			319	422	542	685	859	17	220	25	F	520	450	POE 22	C/V	DWG16	SM23	NT2168GK
										45	206	310	423	549	698	875	1089											
	NT2168GS	14,5	3/4	200V 50-60Hz 3~	3PHASE	652	1,32	341	1,03	55			312	418	546	696	869	18,3	250	28	F	520	650	POE 22	C/V	DWG17	SM27	NT2168GS
										45	214	300	410	544	704	890	1107											
	NT2178GK	17,4	3/4	220-240V 50Hz 1~	CSIR	782	1,3	416	0,98	55			378	502	647	812	997	17	220	25	F	520	450	POE 22	C/V	DWG16	SM19	NT2178GK
										45	273	373	502	659	844	1057	1297											
	NT2178GK	17,4	3/4	220-240V 50Hz 1~	CSR	802	1,42	420	0,91	55			385	513	663	835	1030	17	220	25	F	520	450	POE 22	C/V	DWG16	SM23	NT2178GK
										45	257	375	513	671	854	1062	1300											
	NT2178GK	17,4	3/4	200-240V 50Hz / 230V 60Hz 1~	CSIR	800	1,15	419	0,89	55			399	516	651	806	983	17	220	26	F	520	450	POE 22	C/V	DWG16	SM19	NT2178GK
										45	283	396	526	676	853	1056	1290											
	NT2178GK	17,4	3/4	200-240V 50Hz / 230V 60Hz 1~	CSR	854	1,47	447	1,14	55			399	516	651	806	983	17	220	26	F	520	450	POE 22	C/V	DWG16	SM23	NT2178GK
										45	283	396	526	676	853	1056	1290											
	NT2178GK	17,4	3/4	100V 50/60Hz 1~	CSR	812	1,3	425	0,98	55			392	520	674	854	1063	17	220	25	F	520	450	POE 22	C/V	DWG16	SM23	NT2178GK
										45	292	394	525	685	878	1105	1372											
NT2180GK	20,4	1	220-240V 50Hz 1~	CSIR	935	1,25	490	0,95	55			461	601	767	958	1176	17,4	234	35	F	520	450	POE 22	C/V	DWG16	SM19	NT2180GK	
									45	323	453	604	778	977	1203	1458												
NT2180GK	20,4	1	220-240V 50Hz 1~	CSR	935	1,36	530	1,05	55			483	640	814	1007	1224	17,4	234	35	F	520	450	POE 22	C/V	DWG16	SM23	NT2180GK	
									45	332	468	625	814	1034	1286	1573												
NT2192GS	22,4	1	200V 50-60Hz 3~	3PHASE	1049	1,35	549	1,07	55			516	675	860	1072	1315	18,3	250	28	F	520	650	POE 22	C/V	DWG17	SM27	NT2192GS	
									45	364	504	673	872	1106	1378	1690												
NT2192GK	22,4	1	220-240V 50Hz 1~	CSIR	1053	1,3	551	1,03	55			518	675	860	1074	1321	17,5	234	35	F	520	450	POE 22	C/V	DWG16	SM19	NT2192GK	
									45	373	506	669	865	1100	1375	1693												
NT2192GK	22,4	1 1/4	220-240V 50Hz 1~	CSR	1089	1,47	568	1,06	55			522	681	867	1083	1330	17,5	234	35	F	520	450	POE 22	C/V	DWG16	SM23	NT2192GK	
									45	367	505	672	869	1100	1366	1669												
NT2210GK	26,2	1 1/4	220-240V 50Hz 1~	CSR	1306	1,40	685	1,06	55			640	839	1069	1331	1624	17,9	234	33	F	520	450	POE 22	C/V	DWG17	SM26	NT2210GK	
									45	431	597	804	1052	1340	1670	2041												
NT2212GS	27,8	1 1/4	200V 50-60Hz 3~	3PHASE	1317	1,33	690	1,04	55			649	847	1085	1361	1682	18,3	250	36	F	520	650	POE 22	C/V	DWG17	SM27	NT2212GS	
									45	471	632	835	1082	1378	1727	2132												
NT2212GK	27,8	1 1/4	220-240V 50Hz 1~	CSR	1373	1,37	719	1,07	55			688	888	1127	1405	1728	18,3	250	33	F	520	650	POE 22	C/V	DWG17	SM26	NT2212GK	
									45	503	671	876	1125	1421	1770	2174												
NJ	NJ2192GK/J	26,1	1 1/4	220-240V 50Hz 1~	CSR	1126	1,32	585	0,97	55			530	722	938	1179	1444	20,4	265	26	F	800	750	POE 22	C/V	DWG14	SM16	NJ2192GK
										45	348	509	705	936	1203	1505	1842											
	NJ2192GS	26,1	1 1/4	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	1128	1,23	591	0,85	55			529	718	939	1198	1497	19,7	265	15	F	800	750	POE 22	C/V	DWG14	SM18	NJ2192GS
										45	320	516	730	968	1235	1533	1868											
NJ2212GS	34,4	1 1/2	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	1481	1,3	775	0,87	55			668	935	1236	1577	1963	20,4	277	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ2212GS	
									45	361	615	901	1228	1605	2039	2538												
NJ2212GK/J	34,4	1 1/2	220-240V 50Hz 1~	CSR	1546	1,33	809	1,06	55			727	978	1262	1578	1923	21,5	277	36,0	F	800	750	POE 22	C/V	DWG14	SM16	NJ2212GK	
									45	472	694	961	1276	1637	2041	2487												

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
M/HBP 50 Hz

										COOLING CAPACITY EN12900																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL			
					7,2 °C / 54,4 °C		-10°C/45 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.				
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	-0	5												10		
NJ	NJ9226GK	21,7	1	230V 50Hz 1~	CSR	3241	2,34	1648	1,70	55			1255	1581	1944	2340	2766	20,7	265	27,5	F	800	750	POE 22	C/V	DWG14	SM17	NJ9226GK	
										45	982	1285	1648	2066	2536	3055	3618												
	NJ9226GS	21,7	1	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	3248	2,5	1667	1,79	55			1278	1609	1980	2389	2838	19,0	265	10,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9226GS	
										45	989	1301	1667	2086	2560	3087	3668												
	NJ9232GK	26,1	1 1/2	220-240V 50Hz 1~	CSR	4030	2,56	1911	1,63	55			1414	1817	2271	2771	3315	21,6	277	43,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ9232GK	
										45	1093	1470	1911	2413	2973	3588	4255												
	NJ9232GS	26,1	1 1/2	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	4030	2,5	1972	1,80	55			1513	1911	2357	2853	3396	20,4	277	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9232GS	
										45	1166	1535	1972	2476	3047	3684	4388												
	NJ9238GK	32,7	1 1/2	230V 50Hz 1~	CSR	4620	2,09	2424	1,59	55			1895	2323	2804	3347	3958	22,1	277	43,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ9238GK	
										45	1507	1939	2424	2970	3583	4272	5044												
	NJ9238GS	32,7	1 1/2	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	4839	2,55	2506	1,90	55			1883	2345	2863	3435	4062	21,7	277	22,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9238GS	
										45	1514	1979	2506	3091	3735	4441	5207												

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
LBP 60Hz

EDP 60HZ									COOLING CAPACITY ARI 540																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL
					-23,3 °C / 54,4 °C		-23,3 °C/48,9 °C			-40	-35	-30	-25	-20	-15	-10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.	
NEK2117GK	4,52	1/4	115V 60Hz 1~	CSIR	287	1,19	211	0,89	55			119	154	195	243	296	10,4	187	28,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2117GK
										45	92	117	151	197	251	312											
NEK2121GK	5,45	1/3	115V 60Hz 1~	CSIR	355	1,24	261	0,92	55			149	191	240	296	359	10,4	187	26,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2121GK
										45	118	151	193	245	306	376											
NEK2125GK	6,20	1/3	115V 60Hz 1~	CSIR	427	1,32	314	0,99	55			183	231	287	350	420	10,4	187	26,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2125GK
										45	141	179	228	288	359	440											
NEK2134GK	8,78	1/2	100V 50/60Hz 1~	CSIR	529	1,24	387	0,93	55			218	284	357	448	544	11,5	206	34	F	520	350	POE 22	C/V	DWG04	SM04	NEK2134GK
										45	161	224	292	382	482	589											
NEK2134GK	8,78	1/2	100V 50/60Hz 1~	CSR	533	1,33	391	1,00	55			219	286	362	447	539	11,5	206	34	F	520	350	POE 22	C/V	DWG04	SM04	NEK2134GK
										45	171	222	291	369	469	582											
NEK2134GK	8,78	1/2	208-230V 60Hz 1~	CSIR	544	1,30	400	0,97	55			223	290	368	457	554	11,6	206	20,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK2134GK
										45	164	220	290	375	472	583											
NEK2134GK	8,78	1/2	115V 60Hz 1~	CSIR	571	1,32	420	0,99	55			236	307	387	476	573	11,0	200	37,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2134GK
										45	173	231	303	387	485	594											
NEK2150GK	12,12	1/2	208-230V 60Hz 1~	CSIR	692	1,18	509	0,89	55			288	371	468	580	706	11,6	206	20,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK2150GK
										45	235	297	379	481	603	744											
NEK2150GK	12,12	1/2	100V 50/60Hz 1~	CSR	696	1,31	512	0,98	55			285	372	472	586	711	11,6	206	20,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK2150GK
										45	213	283	374	482	607	747											
NEK2150GK	12,12	1/2	115V 60Hz 1~	CSIR	717	1,22	527	0,92	55			298	385	486	599	725	11,6	206	41,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2150GK
										45	231	300	389	496	622	766											
NEK2150GK	12,12	1/2	115V 60Hz 1~	CSR	731	1,34	536	1,01	55			325	423	538	669	818	11,6	206	41,5	F	520	350	POE 22	C/V	DWG04	SM06	NEK2150GK
										45	250	324	421	541	683	848											
NEK2168GK	14,30	3/4	115V 60Hz 1~	CSR	833	1,34	577	0,95	55			334	443	569	714	875	11,6	206	46,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK2168GK
										45	244	336	449	585	741	920											
NEK2168GK	14,30	3/4	208-230V 60Hz 1~	CSR	816	1,29	584	0,94	55			343	456	589	740	911	11,6	206	27,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK2168GK
										45	244	333	448	588	753	943											

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
LBP 60Hz

NT									COOLING CAPACITY ARI 540																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL
					-23,3 °C / 54,4 °C		-23,3°C/48,9 °C															CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.	
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-40	-35	-30	-25	-20	-15	-10											
NT2168GK(V)	14,5	3/4	115V 60Hz 1~	CSIR	770	1,21	566	0,90	55			307	410	528	660	805	17,0	220	54,5	F	520	450	POE 22	C/V	DWG17	SM22	NT2168GK(V)
									45	205	302	421	561	719	895	1085											
NT2168GS	14,5	3/4	200V 50/60Hz 3~	3PHASE	786	1,37	578	0,97	55			290	411	557	710	867	18,2	250	28,5	F	520	650	POE 22	C/V	DWG17	SM27	NT2168GS
									45	145	259	397	542	714	914	1139											
NT2168GK(V)	14,5	3/4	208-230V 60Hz 1~	CSIR	789	1,27	580	0,94	55			300	420	545	685	838	16,7	220	29,0	F	520	450	POE 22	C/V	DWG16	SM20	NT2168GK(V)
									45	215	309	425	563	722	901	1100											
NT2168GK(V)	14,5	3/4	115V 60Hz 1~	CSR	830	1,41	610	1,03	55			331	455	599	765	954	17,0	220	54,5	F	520	450	POE 22	C/V	DWG17	SM21	NT2168GK(V)
									45	231	340	470	622	799	1003	1234											
NT2168GK(V)	14,5	3/4	208-230V 60Hz 1~	CSR	838	1,42	616	1,03	55			305	426	572	746	945	16,7	220	29,0	F	520	450	POE 22	C/V	DWG16	SM23	NT2168GK(V)
									45	219	323	455	614	801	1015	1257											
NT2178GK(V)	17,4	1	100V 50/60Hz 1~	CSR	1002	1,38	583	0,82	55			378	510	666	848	1055	17,1	220	66,0	F	520	450	POE 22	C/V	DWG17	SM21	NT2178GK(V)
									45	280	393	535	703	899	1121	1366											
NT2178GK(V)	17,4	1	115V 60Hz 1~	CSIR	1002	1,21	734	0,92	55			403	535	686	853	1034	17,0	220	66,0	F	520	450	POE 22	C/V	DWG17	SM22	NT2178GK(V)
									45	285	401	546	719	916	1135	1376											
NT2178GK(V)	17,4	1	208-230V 60Hz 1~	CSIR	1021	1,28	751	0,97	55			410	546	704	881	1077	17,0	220	35,5	F	520	450	POE 22	C/V	DWG16	SM23	NT2178GK(V)
									45	282	404	553	727	927	1151	1399											
NT2178GK(V)	17,4	1	115V 60Hz 1~	CSR	1050	1,41	772	1,05	55			422	562	722	901	1098	17,0	220	66,0	F	520	450	POE 22	C/V	DWG17	SM21	NT2178GK(V)
									45	288	415	566	744	945	1169	1415											
NT2178GK(V)	17,4	1	208-230V 60Hz 1~	CSR	1070	1,35	790	1,03	55			418	563	735	935	1166	17,0	220	35,5	F	520	450	POE 22	C/V	DWG16	SM20	NT2178GK(V)
									45	285	415	572	758	975	1225	1509											
NT2180GK(V)	20,4	1	115V 60Hz 1~	CSIR	1120	1,18	823	0,88	55			410	530	720	920	1140	17,5	220	66,0	F	520	450	POE 22	C/V	DWG17	SM22	NT2180GK(V)
									45	280	408	760	738	955	1192	1462											
NT2180GK(V)	20,4	1	208-230V 60Hz 1~	CSR	1161	1,32	854	0,99	55			456	610	782	973	1184	17,5	234	40,0	F	520	450	POE 22	C/V	DWG16	SM23	NT2180GK(V)
									45	296	440	610	809	1038	1298	1590											
NT2180GK(V)	20,4	1	115V 60Hz 1~	CSR	1173	1,38	879	1,02	55			418	563	735	935	1166	17,5	220	66,0	F	520	450	POE 22	C/V	DWG17	SM21	NT2180GK(V)
									45	285	415	572	758	975	1225	1509											
NT2192GS	22,4	1	200V 50/60Hz 3~	3PHASE	1220	1,29	897	0,99	55			492	655	844	1060	1297	18,0	250	28,5	F	520	650	POE 22	C/V	DWG17	SM27	NT2192GS
									45	347	487	660	867	1104	1372	1668											
NT2192GK(V)	22,4	1 1/4	115V 60Hz 1~	CSIR	1230	1,19	904	0,97	55			515	663	822	993	1173	17,5	234	56,0	F	520	450	POE 22	C/V	DWG17	SM22	NT2192GK(V)
									45	366	498	667	873	1113	1387	1693											
NT2192GK(V)	22,4	1	208-230V 60Hz 1~	CSR	1262	1,43	928	1,05	55			507	667	850	1052	1270	18,0	234	40,0	F	520	450	POE 22	C/V	DWG16	SM23	NT2192GK(V)
									45	363	496	665	868	1103	1371	1666											
NT2192GK(V)	22,4	1 1/4	115V 60Hz 1~	CSR	1283	1,41	943	1,02	55			541	710	917	1160	1438	17,5	234	56,0	F	520	450	POE 22	C/V	DWG17	SM21	NT2192GK(V)
									45	385	535	727	960	1233	1543	1890											
NT2212GS	27,8	1 1/4	200V 50/60Hz 3~	3PHASE	1571	1,31	1155	0,98	55			622	822	1049	1304	1583	18,0	250	36,0	F	520	650	POE 22	C/V	DWG17	SM27	NT2212GS
									45	411	607	833	1090	1375	1687	2025											
NT2212GKV	27,8	1 1/2	115V 60Hz 1~	CSR	1609	1,37	1183	1,00	55			692	922	1179	1471	1805	18,3	250	93,0	F	520	650	POE 22	C/V	DWG17	SM26	NT2212GKV
									45	462	681	925	1202	1518	1881	2299											
NT2212GK(V)	27,8	1 1/2	208-230V 60Hz 1~	CSR	1673	1,42	1230	1,03	55			723	959	1233	1545	1894	18,3	250	45,0	F	520	650	POE 22	C/V	DWG17	SM26	NT2212GK(V)
									45	482	693	949	1249	1592	1980	2412											

R404A / R507
LBP 60Hz

CBP 60HZ									COOLING CAPACITY ARI 540																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
					-23,3 °C / 54,4 °C		-23,3°C/48,9 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.			
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-40	-35	-30	-25	-20	-15												-10	
NJ	NJ21926K	26,1	1 1/4	115V 60Hz 1~	CSR	1316	1,30	968	0,96	55			444	600	783	993	1234	21,7	277	98,0	F	800	750	POE 22	C/V	DWG14	SM16	NJ21926K
									45	270	440	624	827	1052	1303	1582												
	NJ21926K	26,1	1 1/4	208-230V 60Hz 1~	CSR	1319	1,30	970	0,96	55			405	589	791	1010	1245	21,8	277	40,0	F	800	750	POE 22	C/V	DWG14	SM16	NJ21926K
									45	203	390	594	814	1052	1309	1586												
	NJ21926S	26,1	1 1/4	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	1319	1,24	970	0,90	55			444	601	782	993	1232	19,7	265	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ21926S
									45	270	440	624	827	1052	1303	1582												
	NJ22126K	34,4	1 1/2	115V 60Hz 1~	CSR	1595	1,22	1173	0,90	55			594	834	1097	1386	1699	21,5	277	86,5	F	800	750	POE 22	C/V	DWG14	SM16	NJ22126K
									45	359	569	819	1109	1441	1819	2241												
	NJ22126K	34,4	1 1/2	208-230V 60Hz 1~	CSR	1609	1,25	1183	0,91	55			613	857	1125	1414	1725	21,4	277	54,0	F	800	750	POE 22	C/V	DWG14	SM16	NJ22126J
									45	418	605	845	1138	1483	1877	2317												
	NJ22126S	34,4	1 1/2	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	1732	1,30	1273	0,96	55			561	783	1030	1306	1616	20,4	277	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ22126S
									45	303	524	771	1050	1368	1733	2149												

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
MBP 60Hz

MBP 60HZ									COOLING CAPACITY ARI 540																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE 7,2 °C / 54,4 °C		RATED POINT - ARI 540 -6,7°C/48,9 °C		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	0	5						10	CHARGE cm³		TYPE	EXTERNAL VIEW REF.		WIRING DIAGRAM REF.	
NEK	NEK6144GK	4,52	1/4	208-230V 60Hz 1~	CSIR	800	2,06	592	2,00	55			316	384	464	555	661	10,4	187,0	26,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6144GK
										45	250	316	391	476	573	683	807											
	NEK6144GK	4,52	1/4	115V 60Hz 1~	CSIR	842	2,14	400	1,28	55			291	358	435	519	613	10,0	187,0	26,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6144GK
										45	238	303	379	467	567	679	802											
	NEK6152GK	5,45	1/3	115V 60Hz 1~	CSIR	1018	2,09	481	1,22	55			362	441	530	630	741	10,2	187,0	26,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6152GK
										45	302	375	462	563	678	808	951											
	NEK6165GK	6,20	1/3	115V 60Hz 1~	CSIR	1150	1,97	850	1,91	55			463	558	667	790	928	10,4	187,0	26,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6165GK
										45	380	458	555	671	806	958	1130											
	NEK6181GK	7,28	1/3	115V 60Hz 1~	CSIR	1247	2,01	922	1,97	55			511	611	726	856	1006	10,4	187,0	26,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6181GK
										45	418	504	611	738	888	1062	1265											
	NEK6181GK	7,28	1/3	115V 60Hz 1~	CSR	1321	2,33	977	2,24	55			509	624	756	902	1060	10,4	187,0	26,5	F	520	350	POE 22	C/V	DWG04	SM06	NEK6181GK
										45	419	513	633	774	933	1106	1292											
	NEK6181GK	7,28	1/3	208-230V 60Hz 1~	CSIR	1290	2,07	954	2,04	55			506	612	740	886	1048	10,4	187,0	17,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK6181GK
										45	432	508	616	752	913	1095	1295											
	NEK6210GK	8,78	1/2	100V 60Hz 1~	CSIR	1583	2,07	1170	2,03	55			618	753	905	1074	1256	11,0	206,0	38,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6210GK
										45	499	623	770	939	1130	1343	1573											
	NEK6210GK	8,78	1/2	115V 60Hz 1~	CSIR	1569	2,07	1160	2,04	55			621	749	901	1075	1272	11,0	200,0	38,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6210GK
										45	511	620	756	918	1105	1317	1555											
	NEK6210GK	8,78	1/2	208-230V 60Hz 1~	CSIR	1540	2,10	1139	2,05	55			597	728	878	1048	1239	11,5	206,0	23,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6210GK
										45	490	606	745	906	1089	1292	1520											
	NEK6210GK	8,78	1/2	115V 60Hz 1~	CSR	1612	2,30	1192	2,23	55			615	757	920	1104	1310	11,0	200,0	38,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6210GK
										45	493	618	766	937	1131	1347	1587											
	NEK6213GK	12,12	1/2	115V 60Hz 1~	CSIR	1952	1,70	1444	1,69	55			799	965	1148	1348	1568	11,6	206,0	51,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6213GK
										45	634	786	963	1166	1393	1421	1921											
	NEK6213GK	12,12	1/2	115V 60Hz 1~	CSR	2066	1,96	1528	1,92	55			819	994	1196	1221	1671	11,6	206,0	51,0	F	520	350	POE 22	C/V	DWG04	SM06	NEK6213GK
										45	647	804	990	1204	1445	1713	2008											
	NEK6213GK	12,12	1/2	208-230V 60Hz 1~	CSIR	2035	1,84	1505	1,86	55			815	987	1180	1390	1621	11,9	206,0	30,0	F	520	350	POE 22	C/V	DWG04	SM04	NEK6213GK
										45	654	813	998	1207	1438	1693	1971											

NOTE: performance curves are calculated from Ashrae actual curves.

R404A / R507
MBP 60Hz

NT/NTU									COOLING CAPACITY ARI 540																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					7,2 °C / 54,4 °C		-6,7°C/48,9 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	0	5												10
NT6217GK(V)	12,6	3/4	208-230V 60Hz 1~	CSIR	2148	2,13	1070	1,25	55			791	965	1161	1378	1616	17,0	220,0	27,0	F	520	450	POE 22	C/V	DWG16	SM20	NT6217GK(V)
									45	655	819	1015	1244	1505	1799	2126											
NT6217GK(V)	12,6	3/4	208-230V 60Hz 1~	CSR	2238	2,60	1115	1,53	55			846	1041	1260	1503	1769	16,7	220,0	27,0	F	520	450	POE 22	C/V	DWG16	SM23	NT6217GK(V)
									45	677	851	1060	1304	1582	1896	2244											
NT6217GK(V)	12,6	3/4	115V 60Hz 1~	CSIR	2163	2,20	1030	1,26	55			773	949	1153	1384	1641	17,0	220,0	50,0	F	520	450	POE 22	C/V	DWG16	SM20	NT6217GK(V)
									45	726	819	974	1192	1471	1813	2216											
NT6217GK(V)	12,6	3/4	115V 60Hz 1~	CSR	2251	2,68	1072	1,54	55			774	992	1256	1567	1924	16,7	220,0	50,0	F	520	450	POE 22	C/V	DWG16	SM23	NT6217GK(V)
									45	656	811	1017	1273	1581	1938	2347											
NT6220GKV	14,5	3/4	115V 60Hz 1~	CSIR	2480	2,14	1240	1,39	55			943	1170	1423	1698	1997	17,0	220,0	54,5	F	520	450	POE 22	C/V	DWG17	SM22	NT6220GKV
									45	739	943	1187	1468	1782	2128	2505											
NT6220GKV	14,5	3/4	208-230V 60Hz 1~	CSIR	2423	2,00	1247	1,38	55			955	1165	1400	1663	1957	16,9	220,0	26,5	F	520	450	POE 22	C/V	DWG16	SM20	NT6220GKV
									45	769	962	1187	1447	1742	2075	2449											
NT6220GKV	14,5	3/4	115V 60Hz 1~	CSR	2490	2,34	1250	1,52	55			918	1138	1383	1653	1949	16,7	220,0	54,5	F	520	450	POE 22	C/V	DWG17	SM21	NT6220GKV
									45	752	966	1208	1477	1773	2097	2448											
NT6220GKV	14,5	3/4	208-230V 60Hz 1~	CSR	2566	2,36	1283	1,57	55			936	1186	1482	1825	2214	16,9	220,0	26,5	F	520	450	POE 22	C/V	DWG16	SM23	NT6220GKV
									45	757	950	1203	1516	1889	2323	2818											
NT6222GK(V)	17,4	1	208-230V 60Hz 1~	CSIR	2928	1,88	1475	1,14	55			1166	1425	1708	2012	2331	17,2	220,0	33,7	F	520	450	POE 22	C/V	DWG16	SM20	NT6222GK(V)
									45	952	1185	1462	1779	2129	2506	2905											
NT6222GK(V)	17,4	1	208-230V 60Hz 1~	CSR	3051	2,30	1537	1,40	55			1185	1459	1766	2100	2459	17,2	220,0	33,7	F	520	450	POE 22	C/V	DWG16	SM23	NT6222GK(V)
									45	975	1231	1532	1873	2253	2665	3108											
NT6222GK(V)	17,4	1	115V 60Hz 1~	CSIR	3040	2,13	1565	1,34	55			1190	1455	1755	2090	2461	17,0	220,0	70,0	F	520	450	POE 22	C/V	DWG17	SM22	NT6222GK(V)
									45	985	1207	1478	1796	2160	2570	3027											
NT6222GK(V)	17,4	1	115V 60Hz 1~	CSR	3040	2,39	1569	1,58	55			1276	1570	1899	2263	2661	17,0	220,0	70,0	F	520	450	POE 22	C/V	DWG17	SM21	NT6222GK(V)
									45	988	1273	1598	1964	2370	2816	3303											
NT6224GKV	20,4	1	208-230V 60Hz 1~	CSR	3512	2,25	1808	1,55	55			1392	1690	2023	2392	2804	16,8	220,0	36,0	F	520	450	POE 22	C/V	DWG16	SM23	NT6224GKV
									45	1134	1409	1724	2083	2488	2940	3447											
NT6224GKV	20,4	1	115V 60Hz 1~	CSR	3612	2,30	1859	1,55	55			1399	1714	2068	2460	2893	16,9	234,0	77,0	F	520	450	POE 22	C/V	DWG16	SM23	NT6224GKV
									45	1144	1419	1744	2120	2543	3014	3533											
NT6226GK(V)	22,4	1	115V 60Hz 1~	CSR	3884	2,12	1942	1,41	55			1468	1811	2218	2688	3221	17,5	234,0	77,0	F	520	450	POE 22	C/V	DWG17	SM26	NT6226GK(V)
									45	1244	1512	1858	2281	2782	3361	4019											
NT6226GK(V)	22,4	1	208-230V 60Hz 1~	CSIR	3689	1,77	1985	1,35	55			1438	1752	2107	2503	2939	18,0	234,0	43,0	F	520	450	POE 22	C/V	DWG17	SM21	NT6226GK(V)
									45	1209	1500	1837	2220	2650	3127	3649											
NT6226GK(V)	22,4	1	208-230V 60Hz 1~	CSR	3734	1,93	2009	1,48	55			1493	1822	2189	2595	3039	17,5	234,0	43,0	F	520	450	POE 22	C/V	DWG17	SM22	NT6226GK(V)
									45	1220	1529	1886	2292	2745	3246	3796											
NTU6232GSV	20,4	1	200-230V 60Hz 3~	3PHASE	3966	2,77	2035	1,76	55			1504	1846	2231	2645	3100	18,4	250,0	36,0	F	520	650	POE 22	C/V	DWG19	SM27	NTU6232GSV
									45	1264	1595	1966	2387	2863	3407	3950											
NTU6232GKV	20,4	1	115V 60Hz 1~	CSR	4060	2,77	2090	1,76	55			1298	1612	1959	2339	2751	18,1	250,0	93,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6232GKV
									45	1261	1604	1989	2415	2884	3394	3947											
NTU6232GKV	20,4	1	208-230V 60Hz 1~	CSR	4032	2,84	2101	1,73	55			1561	1907	2278	2670	3090	18,1	250,0	46,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6232GKV
									45	1232	1589	1998	2439	2906	3420	3970											
NTU6234GSV	23,7	1 1/4	200-230V 60Hz 3~	3PHASE	4524	2,68	2378	1,77	55			1766	2156	2588	3060	3570	18,3	250,0	36,0	F	520	650	POE 22	C/V	DWG19	SM27	NTU6234GSV
									45	1492	1875	2306	2789	3326	3910	4530											
NTU6234GKV	23,7	1 1/4	115V 60Hz 1~	CSR	4635	2,71	2419	1,76	55			1772	2165	2613	3122	3698	18,4	250,0	81,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6234GKV
									45	1506	1885	2320	2814	3376	4019	4768											
NTU6234GKV	23,7	1 1/4	208-230V 60Hz 1~	CSR	4688	2,77	2477	1,73	55			2237	2685	3175	3705	4290	18,1	250,0	46,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6234GKV
									45	1945	2400	2905	3459	4065	4720	5420											
NTU6238GSV	26,2	1 1/2	200-230V 60Hz 3~	3PHASE	4952	2,56	2635	1,73	55			1978	2395	2846	3340	3880	18,3	250,0	36,0	F	520	650	POE 22	C/V	DWG19	SM27	NTU6238GSV
									45	1671	2092	2561	3078	3640	4250	4905											
NTU6238GKV	26,2	1 1/2	208-230V 60Hz 1~	CSR	5154	2,70	2748	1,74	55			1976	2408	2948	3510	4140	18,3	250,0	51,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6238GKV
									45	1726	2167	2626	3150	3788	4450	5195											
NTU6240GKV	27,8	1 1/2	208-230V 60Hz 1~	CSR	5368	2,60	2860	1,71	55			2065	2485	3035	3590	4210	18,3	250,0	51,0	F	520	650	POE 22	C/V	DWG19	SM26	NTU6240GKV
									45	1783	2237	2699	3240	3933	4650	5450											
NTU6240GSV	27,8	1 1/2	200-230V 60Hz 3~	3PHASE	5292	2,54	2779	1,69	55			2079	2519	3009	3540	4110	18,3	250,0	40,0	F	520	650	POE 22	C/V	DWG19	SM27	NTU6240GSV
									45	1763	2202	2694	3246	3861	4530	5250											

R404A / R507

M/HBP 60 Hz

									COOLING CAPACITY ARI 540																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
					7,2 °C / 54,4 °C		-6,7 °C/48,9 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.			
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	0	5												10	
NJ	NJ9226GK	21,7	1	208-230V 60Hz 1~	CSR	3708	2,20	2742	2,19	55			1364	1718	2110	2542	3013	20,7	265,0	34,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ9226GK
									45	1088	1391	1754	2176	2655	3189	3780												
	NJ9226GS	21,7	1	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	3801	2,50	2811	2,38	55			1236	1554	1911	2307	2743	19	265,0	10,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9226GS
									45	947	1223	1556	1942	2382	2873	3419												
	NJ9232GK	26,1	1 1/4	208-230V 60Hz 1~	CSR	4704	2,40	3479	2,36	55			1695	2137	2636	3190	3802	21,5	277,0	40,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ9232GK
									45	1293	1672	2131	2669	3284	3971	4737												
	NJ9232GS	26,1	1 1/4	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	4716	2,50	3488	2,47	55			1464	1845	2276	2754	3282	20,4	277,0	13,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9232GS
									45	1116	1444	1840	2305	2835	3429	4090												
	NJ9238GK	32,7	1 1/2	230V 60Hz 1~	CSR	5184	2,04	3834	2,04	55			2036	2505	3006	3536	4102	22,1	277,0	59,0	F	800	750	POE 22	C/V	DWG14	SM17	NJ9238GK
									45	1601	2053	2564	3133	3757	4434	5169												
	NJ9238GS	32,7	1 1/2	380-420V 50Hz / 440-480V 60Hz 3~	3PHASE	5661	2,55	4186	2,51	55			2131	2649	3233	3880	4595	21,7	277,0	22,0	F	800	750	POE 22	C/V	DWG14	SM18	NJ9238GS
									45	1695	2178	2735	3365	4067	4836	5679												

NOTE: performance curves are calculated from Ashrae actual curves.

R290
LBP 50Hz

EDP 50Hz									COOLING CAPACITY EN12900																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-35°C/40 °C			-40	-35	-30	-25	-20	-15	-10						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
EMT/EMTE	EMT1117U	4,50	1/5	220-240V / 50Hz	RSCR	208	1,47	123	1,18	55			120	155	195	242	296	7,8	166	7,1	S	-	180	POE 22	C	DWG01	SM01	EMT1117U
										45	85	112	145	184	230	283	345											
	EMT2117U	4,50	1/5	220-240V 50Hz 1~	CSIR	184	1,37	123	1,13	55			120	155	195	242	296	7,8	166	7,7	S	-	180	POE 22	C	DWG01	SM05	EMT2117U
										45	84	112	145	184	230	283	345											
	EMT2121U	5,57	1/4	220-240V 50Hz 1~	CSIR	265	1,46	159	1,23	55			156	200	252	311	379	7,8	166	7,7	S	-	180	POE 22	C	DWG01	SM05	EMT2121U
										45	110	145	188	238	297	364	440											
	EMT1121U	5,57	1/4	220-240V 50Hz 1~	RSCR	270	1,55	159	1,24	55			156	200	252	312	379	7,8	166	7,7	S	-	180	POE 22	C	DWG01	SM00	EMT1121U
										45	110	145	188	238	298	364	440											
	EMT2125U	5,96	1/3	220-240V 50Hz 1~	CSIR	301	1,47	177	1,20	55			176	225	282	348	422	7,8	166	9,8	F	520	180	POE 22	C/V	DWG01	SM05	EMT2125U
										45	124	162	209	265	330	403	486											
EMT1125U	5,96	1/3	220-240V 50Hz 1~	RSCR	301	1,53	177	1,24	55			176	225	282	348	422	7,8	166	9,8	S	-	180	POE 22	C	DWG01	SM00	EMT1125U	
									45	124	162	209	265	330	403	486												
EMT2130U	6,76	1/3	220-240V 50Hz 1~	CSIR	340	1,42	196	1,12	55			196	251	315	389	472	8	166	12,4	F	520	180	POE 22	C/V	DWG01	SM05	EMT2130U	
									45	137	180	233	295	367	450	543												
EMT1130U	6,76	1/3+	220-240V / 50Hz	RSCR	340	1,51	198	1,2	55			196	252	315	390	472	8	171	12,4	F	520	180	POE 22	C	DWG01	SM01	EMT1130U	
									45	138	180	233	295	368	450	542												
EMTE2134U	9,50	1/3	220-240V / 50Hz	CSIR	437	1,44	266	1,28	55			331	425	533	635	752	8,6	171	14,9	F	520	210	POE 22	C/V	DWG01	SM05	EMT2134U	
									45	182	251	320	405	507	595	703												
NEK	NEK2125U	7,28	1/3	220-240V 50Hz 1~	CSIR	317	1,31	199	1,11	55			187	237	299	374	462	10,4	187	12,4	F	520	350	POE 22	C/V	DWG03	SM05	NEK2125U
									45	154	182	224	281	353	439	540												
	NEK2134U	10,00	1/2	220-240V 50Hz 1~	CSIR	449	1,36	271	1,21	55			269	338	423	523	639	11	200	13,1	F	520	350	POE 22	C/V	DWG03	SM05	NEK2134U
									45	208	252	315	395	494	611	746												
	NEK1150U	13,54	1/2	220-240V 50Hz 1~	RSIR	571	1,22	333	0,99	55			337	429	538	661	801	11,6	206	24,3	F	520	350	POE 22	C	DWG03	SM03	NEK1150U
									45	237	309	398	506	630	773	933												
NEK2150U	13,54	1/2	220-240V 50Hz 1~	CSIR	582	1,31	334	1,06	55			339	435	550	683	835	11,6	206	19,5	F	520	350	POE 22	C/V	DWG03	SM05	NEK2150U	
								45	237	309	403	515	650	804	979													
NEK2160U	16,80	3/4	220-240V 50Hz 1~	CSR	729	1,44	427	1,20	55			428	547	688	848	1030	11,9	206	21	F	520	350	POE 22	C/V	DWG04	SM03	NEK2160U	
								45	306	395	508	646	808	995	1206													
NEU	NEU2155U	13,54	3/4	220-240V 50Hz 1~	CSIR	626	1,42	364	1,21	55			384	487	605	737	883	11,1	200	17,5	F	520	350	POE 22	C/V	DWG03	SM05	NEU2155U
								45	266	345	445	565	704	863	1041													
	NEU2155U	13,54	3/4	220-240V 50Hz 1~	CSR	639	1,56	384	1,35	55			385	492	617	760	921	11,1	200	17,5	F	520	350	POE 22	C/V	DWG03	SM06	NEU2155U
									45	270	351	452	573	715	878	1062												
NEU2168U	16,80	3/4	220-240V 50Hz 1~	CSR	788	1,53	457	1,27	55			455	584	738	917	1121	11,6	206	21	F	520	350	POE 22	C/V	DWG03	SM06	NEU2168U	
								45	319	416	540	689	865	1068	1296													
NT	NT2160U	17,4	3/4	220-240V 50Hz 1~	CSIR	703	1,36	400	1,10	55			378	497	638	799	979	18	220	21	F	520	450	POE 22	C/V	DWG16	SM19	NT2160U
								45	260	348	463	601	765	954	1167													
	NT2160U	17,4	3/4	220-240V 50Hz 1~	CSR	703	1,44	407	1,18	55			381	501	644	811	1000	18	220	21	F	520	450	POE 22	C/V	DWG16	SM23	NT2160U
								45	266	355	470	609	774	964	1179													
	NT2170U	20,4	3/4	220-240V 50Hz 1~	CSIR	816	1,31	478	1,09	55			470	608	770	955	1162	18	220	25	F	520	450	POE 22	C/V	DWG16	SM19	NT2170U
								45	333	441	577	740	932	1150	1395													
	NT2170U	20,4	3/4	220-240V 50Hz 1~	CSR	831	1,44	480	1,16	55			476	620	788	981	1196	18	220	25	F	520	450	POE 22	C/V	DWG16	SM23	NT2170U
								45	327	441	583	753	951	1176	1430													
NT2180U	22,4	1	220-240V 50Hz 1~	CSIR	931	1,34	550	1,12	55			536	693	874	1077	1302	18,2	234	35	F	520	450	POE 22	C/V	DWG16	SM19	NT2180U	
							45	380	501	653	835	1047	1290	1563														
NT2180U	22,4	1	220-240V 50Hz 1~	CSR	935	1,46	563	1,23	55			536	697	886	1101	1344	18,2	234	35	F	520	450	POE 22	C/V	DWG16	SM23	NT2180U	
							45	388	507	659	844	1062	1312	1595														
NT2210U	27,8	1 1/4	220-240V 50Hz 1~	CSR	1186	1,41	689	1,17	55			677	875	1108	1374	1675	18,5	234	33	F	520	450	POE 22	C/V	DWG17	SM26	NT2210U	
							45	482	626	813	1041	1310	1620	1969														

NOTE: performance curves are calculated from Ashrae actual curves.

R290
MBP 50Hz

										COOLING CAPACITY EN12900																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W							WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					7,2 °C / 54,4 °C		-10°C/45 °C															CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	0	5	10												
EMT/EMTE	EMT6144U	4,50	1/5	220-240V 50Hz 1~	CSIR	616	2,62	343	2,00	55			293	354	423	508	608	7,8	166	7,7	S	-	180	POE 22	C/V	DWG01	SM05	EMT6144U
										45	227	282	343	413	497	593	708											
	EMT6152U	5,20	1/4	220-240V 50Hz 1~	CSIR	742	2,68	418	2,05	55			362	432	514	612	729	7,8	166	8,5	F	520	180	POE 22	C/V	DWG01	SM05	EMT6152U
										45	279	346	419	500	596	709	844											
	EMT6165U	5,96	1/4	220-240V 50Hz 1~	CSIR	840	2,57	485	1,96	55			415	495	590	700	833	7,8	166	10,4	F	520	180	POE 22	C/V	DWG01	SM05	EMT6165U
										45	321	396	478	571	681	810	964											
	EMTE6181U	7,55	1/3	220-240V / 50Hz	CSIR	1021	2,74	632	2,2	55			549	657	795	952	1109	8,6	171	16,5	F	520	210	POE 22	C/V	DWG01	SM05	EMT6181U
										45	360	465	580	695	828	995	1163											
NEK	NEK6152U	5,45	1/4	220-240V 50Hz 1~	CSIR	730	2,55	402	1,84	55			348	424	511	607	714	10,4	187	9,6	F	520	350	POE 22	C/V	DWG03	SM05	NEK6152U
										45	286	331	402	487	588	704	833											
	NEK6165U	6,20	1/4	220-240V 50Hz 1~	CSIR	839	2,44	464	1,75	55			398	484	583	696	822	10,4	187	12	F	520	350	POE 22	C/V	DWG03	SM05	NEK6165U
										45	315	381	464	561	675	803	947											
	NEK6181U	7,28	1/3	220-240V 50Hz 1~	CSIR	949	2,46	523	1,78	55			447	548	664	793	930	10,4	187	12	F	520	350	POE 22	C/V	DWG03	SM05	NEK6181U
										45	367	432	523	637	770	919	1080											
	NEK6210U	8,78	1/3	220-240V 50Hz 1~	CSIR	1169	2,55	640	1,88	55			549	670	811	969	1145	11	200	16,1	F	520	350	POE 22	C/V	DWG03	SM05	NEK6210U
										45	434	526	640	776	936	1118	1322											
	NEK6214U	12,12	1/2	220-240V 50Hz 1~	CSIR	1512	2,28	880	1,91	55			746	882	1023	1170	1323	11,7	206	17	F	520	350	POE 22	C/V	DWG03	SM05	NEK6214U
										45	574	710	870	1055	1374	1499	1758											
	NEK6214U	12,12	1/2	220-240V 50Hz 1~	CSR	1571	2,61	893	2,05	55			746	882	1023	1170	1323	11,6	206	24	F	520	350	POE 22	C/V	DWG03	SM06	NEK6214U
										45	594	731	892	1077	1285	1516	1770											
	NEK6217U	14,30	1/2	220-240V 50Hz 1~	CSIR	1820	2,21	1018	1,73	55			875	1060	1271	1508	1771	11,6	206	24	F	520	350	POE 22	C/V	DWG03	SM05	NEK6217U
									45	681	833	1018	1233	1481	1759	2068												
	NEK6217U	14,30	3/4	220-240V 50Hz 1~	CSR	1885	2,54	1051	1,94	55			893	1085	1306	1556	1834	11,6	206	24	F	520	350	POE 22	C/V	DWG03	SM06	NEK6217U
									45	702	861	1051	1273	1526	1810	2124												
NEU	NEU6210U	8,78	1/3	220-240V 50Hz 1~	CSIR	1215	2,66	676	1,98	55			583	713	860	1025	1208	10,7	200	20	F	520	350	POE 22	C/V	DWG03	SM05	NEU6210U
										45	439	556	690	840	1008	1192	1392											
	NEU6212U	10,00	1/2	220-240V 50Hz 1~	CSIR	1386	2,61	793	1,96	55			667	819	995	1195	1419	11,1	200	20,5	F	520	350	POE 22	C/V	DWG03	SM05	NEU6212U
										45	522	644	791	962	1157	1377	1621											
	NEU6212U	10,00	1/2	220-240V 50Hz 1~	CSR	1397	2,79	800	2,09	55			683	833	1006	1201	1420	11,1	200	20,5	F	520	350	POE 22	C/V	DWG03	SM06	NEU6212U
										45	523	652	803	974	1165	1378	1611											
	NEU6214U	12,12	1/2	220-240V 50Hz 1~	CSIR	1645	2,47	936	1,96	55			796	969	1167	1388	1634	11,2	200	18	F	520	350	POE 22	C/V	DWG03	SM05	NEU6214U
										45	619	763	934	1133	1361	1616	1899											
	NEU6214U	12,12	1/2	220-240V 50Hz 1~	CSR	1682	2,75	944	2,11	55			807	981	1179	1401	1648	11,2	200	18	F	520	350	POE 22	C/V	DWG03	SM06	NEU6214U
										45	624	770	943	1143	1369	1623	1903											
	NEU6217U	14,30	3/4	220-240V 50Hz 1~	CSIR	1903	2,35	1086	1,95	55			929	1125	1346	1592	1863	11,6	206	21	F	520	350	POE 22	C/V	DWG03	SM05	NEU6217U
										45	721	888	1085	1311	1566	1851	2165											
NEU6217U	14,30	3/4	220-240V 50Hz 1~	CSR	1967	2,76	1109	2,17	55			956	1161	1393	1653	1941	11,6	206	21	F	520	350	POE 22	C/V	DWG03	SM06	NEU6217U	
									45	734	909	1115	1353	1622	1924	2257												
	NEU6220U	16,80	3/4	220-240V 50Hz 1~	CSR	2256	2,7	UD	UD	55			UD	UD	UD	UD	UD	12	206	UD	F	520	350	POE 22	C/V	DWG03	SM06	NEU6220U
									45	UD	UD	UD	UD	UD	UD	UD												
NT	NT6217U	14,5	1/2	220-240V 50Hz 1~	CSIR	1786	2,58	952	1,87	55			792	987	1215	1473	1764	16,9	220	25	F	520	450	POE 22	C/V	DWG16	SM19	NT6217U
										45	506	756	952	1183	1449	1752	2089											

U.D. = under development

NOTE: performance curves are calculated from Ashrae actual curves.

R290
LBP 60Hz

										COOLING CAPACITY ARI 540																			
SERIES MODEL		DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
						-23,3 °C / 54,4 °C		-23,3°C/48,9 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.			
						COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-40	-35	-30	-25	-20	-15												-10	
NEK	NEK2134U	10,00	1/2	115V 60Hz 1~	CSIR	539	1,39	415	1,10	55 45		194	251	268 325	344 415	433 521	535 643	650 780	10,7	200	28	F	520	350	POE 22	C/V	DWG04	SM04	NEK2134U
	NEK2150U	13,54	1/2	115V 60Hz 1~	CSIR	687	1,25	550	1,02	55 45		248	321	352 418	451 537	566 678	699 842	848 1029	11,3	206	41,5	F	520	350	POE 22	C/V	DWG04	SM04	NEK2150U
	NEK2150U	13,54	1/2	115V 60Hz 1~	CSR	708	1,38	554	1,11	55 45				353 430	455 551	575 693	716 858	875 1045	11,3	206	41,5	F	520	350	POE 22	C/V	DWG04	SM06	NEK2150U
	NEU	NEU2168U	16,8	3/4	115-127V 60Hz 1~	CSR	950	1,5	749	1,2	54,4 45		324	426	483 562	623 733	787 938	977 1178	1191 1453	11,6	206	49	F	520	350	POE 22	C/V	DWG04	SM06
NT	NT2160U(V)	17,4	3/4	208-230V 60Hz 1~	CSIR	828	1,34	604	1,00	55 45				401 492	515 626	650 786	806 971	982 1179	16,8	220	28	F	520	450	POE 22	C/V	DWG16	SM20	NT2160U(V)
	NT2160UV	17,4	3/4	115V 60Hz 1~	CSR	827	1,42	638	1,1	55 45		300	379	400 490	521 633	667 807	837 1013	1250	16,5	220	54,4	F	520	450	POE 22	C/V	DWG16	SM21	NT2160UV
	NT2170U(V)	20,4	3/4	208-230V 60Hz 1~	CSIR	921	1,3	672	0,98	55 45		325	419	446 544	573 698	726 883	903 1097	1104 1340	17	220	30	F	520	450	POE 22	C/V	DWG16	SM20	NT2170U(V)
	NT2170UV	20,4	3/4	115V 60Hz 1~	CSR	970	1,38	772	1,12	55 45				495 613	641 787	818 997	1026 1243	1265 1525	16,5	220	55	F	520	450	POE 22	C/V	DWG17	SM21	NT2170UV
	NT2180UV	22,4	1	208-230V 60Hz 1~	CSR	1021	1,41	830	1,12	55 45		396	506	535 656	695 845	886 1074	1107 1341	1360 1648	16,7	220	30	F	520	450	POE22	C/V	DWG16	SM21	NT2180UV
	NT2180UV	22,4	1	115V 60Hz 1~	CSR	1048	1,38	832	1,12	55 45		396	509	534 659	691 844	876 1065	1089 1323	1330 1616	16,5	220	54,5	F	520	450	POE 22	C/V	DWG16	SM21	NT2180UV
	NT2210UV	27,8	1 1/4	208-230V 60Hz 1~	CSR	1281	1,42	1051	1,12	55 45		494	621	671 798	863 1024	1093 1301	1360 1627	1665 2003	17,8	234	37	F	520	450	POE22	C/V	DWG16	SM26	NT2210UV
	NT2210UV	27,8	1 1/4	115V 60Hz 1~	CSR	1322	1,39	1060	1,11	55 45				680 833	872 1063	1104 1338	1374 1661	1684 2029	17,8	234	67	F	520	450	POE 22	C/V	DWG16	SM26	NT2210UV

NOTE: performance curves are calculated from Ashrae actual curves.

R290
MBP 60Hz

										COOLING CAPACITY ARI 540																		
SERIES MODEL		DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - ARI 540		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W					WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
						7,2°C / 54,4°C		-6,7°C / 48,9°C													CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.			
						COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-20	-15	-10	-5	0													
NEK	NEK6152U	5,45	1/4	115V 60Hz 1~	CSIR	862	2,44	449	1,51	55 45		264	335	345 418	421 512	507 517	9,8	187	25	F	520	350	POE 22	C/V	DWG04	SM04	NEK6152U	
	NEK6165U	6,20	1/4	115V 60Hz 1~	CSIR	992	2,41	505	1,50	55 45		318	395	404 486	488 593	586 714	10	187	28	F	520	350	POE 22	C/V	DWG04	SM04	NEK6165U	
	NEK6210U	8,78	1/3	115V 60Hz 1~	CSIR	1368	2,48	717	1,60	55 45				570 685	698 831	843 996	10,6	200	37	F	520	350	POE 22	C/V	DWG04	SM04	NEK6210U	
	NEK6213U	12,12	1/2	115V 60Hz 1~	CSIR	1841	2,13	998	1,48	55 45		613	757	781 930	949 1132	1137 1364	11,4	206	44	F	520	350	POE 22	C/V	DWG04	SM04	NEK6213U	
	NEU	NEU6181U	7,28	1/3	115V-127V 60Hz 1~	CSIR	1197	2,7	633	1,72	55 45				495 605	611 742	744 897	10,1	187	30	F	520	350	POE 22	C/V	DWG04	SM04	NEU6181U
		NEU6214U	12,12	1/2	115V 60Hz 1~	CSIR	1989	2,46	1085	1,74	55 45				865 1022	1051 1234	1261 1474	11,5	206	42	F	520	350	POE 22	C/V	DWG04	SM04	NEU6214U
NEU6214U		12,12	1/2	115V 60Hz 1~	CSR	2021	2,68	1097	1,86	55 45				873 1034	1060 1251	1273 1496	11,5	206	42	F	520	350	POE 22	C/V	DWG04	SM06	NEU6214U	
NT		NT6217UV	14,5	1/2	115V 60Hz 1~	CSIR	2101	2,52	1005	1,58	55 45				801 949	986 1210	1184 1531	16,2	220	44	F	520	450	POE 22	C/V	DWG16	SM20	NT6217U
		NT6217UV	14,5	1/2	115V 60Hz 1~	CSR	2176	2,81	1028	1,74	55 45		613	752	812 956	1007 1225	1220 1558	16,2	220	44	F	520	450	POE 22	C/V	DWG16	SM23	NT6217U
		NT6220UV	17,4	3/4	115V 60Hz 1~	CSR	2644	2,85	1356	1,84	55 45		752	973	1007 1237	1266 1543	1565 1890	16,6	220	54,5	F	520	450	POE 22	C/V	DWG17	SM21	NT6220UV
	NT6222UV	20,4	3/4	115V 60Hz 1~	CSR	3023	2,73	1522	1,78	55 45				1181 1433	1476 1785	1798 2202	16,5	220	54,5	F	520	450	POE 22	C/V	DWG16	SM23	NT6222UV	
	NT6224UV	22,4	1	208-230V 60Hz 1~	CSR	3370	2,67	1744	1,75	55 45				1355 1634	1673 1995	2028 2401	16,8	220	33,7	F	520	450	POE 22	C/V	DWG16	SM23	NT6224UV	

U.D. = under development

NOTE: performance curves are calculated from Ashrae actual curves.

R600a

LBP 50Hz

									COOLING CAPACITY CECOMAF																		
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - CECOMAF		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-25°C/55 °C			-30	-25	-20	-15	-10	-5						CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
EMY	EMY20CLC	3,97	1/12	220-240V / 50Hz	RSIR	61	1,4	45	1,1	55	34	45	60	77	98	121	7,4	166	2,35	S	-	180	AB 5	C	DWG01	SM00	EMY20CLC
									45	40	54	71	92	116	144												
	EMY26CLC	5,20	1/12	220-240V / 50Hz	RSIR	83	1,5	61	1,18	55	45	61	81	105	133	165	7,4	166	2,8	S	-	180	AB 5	C	DWG01	SM00	EMY26CLC
									45	55	73	95	121	152	187												
	EMY32CLC	5,96	1/10	220-240V / 50Hz	RSIR	97	1,51	72	1,19	55	53	72	94	120	151	189	7,4	166	3,6	S	-	180	AB 5	C	DWG01	SM00	EMY32CLC
									45	64	86	111	141	176	218												
	EMY40CLC	7,24	1/8	220-240V / 50Hz	RSIR	119	1,53	90	1,21	55	66	90	116	148	186	232	7,6	166	4,3	S	-	180	AB 5	C	DWG01	SM00	EMY40CLC
									45	80	107	136	171	214	267												
	EMY46CLC	7,96	1/8+	220-240V / 50Hz	RSIR	135	1,56	101	1,23	55	75	102	135	174	219	268	7,7	166	4,3	S	-	180	AB 5	C	DWG01	SM00	EMY46CLC
									45	90	120	157	200	249	303												
EMY55CLP	9,05	1/6	220-240V / 50Hz	RSIR	156	1,56	114	1,23	55	85	114	150	192	241	296	7,7	166	5,5	S	-	180	AB 5	C	DWG01	SM00	EMY55CLP	
								45	102	135	175	222	277	340													
EMY66CLP	10,62	1/6+	220-240V / 50Hz	RSIR	177	1,54	134	1,22	55	98	134	175	224	280	346	7,9	166	5,6	S	-	180	ISO 5	C	DWG01	SM00	EMY66CLP	
								45	118	156	202	256	320	394													
EMX	EMX20CLC	3,97	1/12	220-240V / 50Hz	RSCR	61	1,51	45	1,18	55	34	45	60	77	98	121	7,5	166	2	S	-	180	ISO 5	C	DWG01	SM01	EMX20CLC
									45	40	54	71	92	116	144												
	EMX32CLC	5,96	1/10	220-240V / 50Hz	RSCR	102	1,66	72	1,3	55	53	72	94	120	151	189	7,5	166	2,6	S	-	180	ISO 5	C	DWG01	SM01	EMX32CLC
									45	64	86	111	141	176	218												
	EMX46CLC	7,96	1/8+	220-240V / 50Hz	RSCR	135	1,66	101	1,32	55	75	102	135	174	219	268	7,66	166	3,8	S	-	180	ISO 5	C	DWG01	SM01	EMX46CLC
									45	90	120	157	200	249	303												
	EMX55CLC	9,05	1/6	220-240V 50Hz 1~	RSCR	155	1,72	115	1,31	55	90	115	156	197	250	310	7,4	166	5,67	S	-	180	ISO 5	C	DWG01	SM01	EMX55CLC
									45	106	136	179	222	282	350												
	EMX70CLC	11,15	1/5	220-240V / 50Hz	RSCR	191	1,71	143	1,34	55	103	142	184	233	290	360	7,7	166	6	S	-	150	AB 5	C	DWG01	SM01	EMX70CLC
									45	123	164	210	263	327	403												
EMX80CLT	12,21	1/5+	220-240V / 50Hz	RSCR	212	1,74	162	1,36	55	118	158	207	265	331	406	7,9	171	7,8	S	-	150	AB 5	C	DWG01	SM01	EMX80CLT	
								45	139	185	240	305	380	464													

EMY = standard efficiency
EMX = high efficiency

NOTE: performance curves are calculated from Ashrae actual curves.

R600a
HBP 50Hz

COOLING CAPACITY EN12900																												
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W						WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	OIL		EXP DEVICE	DRAWINGS		MODEL		
					7,2 °C / 54,4 °C		5°C/50 °C														CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.			
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-15	-10	-5	0	5	10													
EMT/EMU	EMT30CDP	4,50	1/8	220-240V 50Hz 1~	RSIR	256	2,53	246	2,65	55		125	155	191	232	278	7,2	158	3,7	S	-	180	POE 22	C	DWG01	SM00	EMT30CDP	
									45	113	140	176	213	258	310													
	EMU5125Y	4,50	1/10	220-240V / 50Hz	RSIR	267	2,73	244	2,52	55		119	150	184	224	270	7	158	3,7	S	-	180	AB 5	C	DWG01	SM00	EMU5125Y	
									45	109	138	172	212	257	307													
	EMU5125Y	4,50	1/10	220-240V / 50Hz	RSCR	267	2,88	244	2,82	55		120	151	187	228	274	7	158	3,7	S	-	180	AB 5	C	DWG01	SM01	EMU5125Y	
									45	111	140	174	214	259	310													
	EMT45CDP	6,79	1/8	220-240V 50Hz 1~	RSIR	389	2,56	360	2,47	55		172	226	276	338	411	7,7	166	5,8	S	-	180	POE 22	C	DWG01	SM00	EMT45CDP	
									45	127	163	262	315	382	464													
	EMU5132Y	6,79	1/8+	220-240V / 50Hz	RSIR	402	2,61	358	2,54	55		182	228	280	336	400	7,4	166	6,1	S	-	180	AB 5	C	DWG01	SM00	EMU5132Y	
									45	165	208	258	316	382	454													
	EMU5132Y	6,79	1/8+	220-240V / 50Hz	RSCR	406	2,82	363	2,74	55		184	230	282	342	408	7,4	166	6,1	S	-	180	AB 5	C	DWG01	SM01	EMU5132Y	
									45	168	211	262	320	385	460													
EMT6144Y		9,05	1/5	220-240V 50Hz 1~	CSIR	543	2,48	486	2,41	55		250	310	377	455	543	7,8	166	7,7	F	520	180	POE 22	C/V	DWG01	SM05	EMT6144Y	
									45	223	282	350	427	515	614													
	EMT6160Y	11,15	1/4	220-240V 50Hz 1~	CSIR	653	2,27	588	2,2	55		303	375	458	552	658	7,8	166	9,8	F	520	180	POE 22	C/V	DWG01	SM05	EMT6160Y	
										45	277	347	427	520	622	738												
	NEK	NEK6160Y	12,12	1/4	220-240V 50Hz 1~	CSIR	677	2,53	606	2,43	55		294	372	464	567	678	10,6	187	12,4	F	520	350	POE 22	C/V	DWG03	SM05	NEK6160Y
											45	267	338	425	528	641	764											
NEK6170Y		14,30	1/4	220-240V 50Hz 1~	CSIR	809	2,47	720	2,38	55		358	449	554	674	807	10,6	187	12,4	F	520	350	POE 22	C/V	DWG03	SM05	NEK6170Y	
										45	326	412	512	630	764	913												
NEK6187Y		16,80	1/3	220-240V 50Hz 1~	CSIR	907	2,39	805	2,29	55		391	494	613	749	774	11	200	16,1	F	520	350	POE 22	C/V	DWG03	SM05	NEK6187Y	
										45	359	457	572	705	856	336												

NOTE: performance curves are calculated from Ashrae actual curves.

R600a
L/MBP 50Hz

										COOLING CAPACITY EN12900																			
SERIES MODEL	DISPLACEMENT cm³	HP	VOLTAGE FREQUENCY	MOTOR TYPE	RATED POINT - ASHRAE		RATED POINT - EN12900		CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C NO SUBCOOLING W								WEIGHT kg	MAX HEIGHT mm	LRA A	COOLING TYPE	FAN AIR FLOW (m³/h)	LUBRICANT		EXP DEVICE	DRAWINGS		MODEL	
					-23,3 °C / 54,4 °C		-35 / 40 °C																CHARGE cm³	TYPE		EXTERNAL VIEW REF.	WIRING DIAGRAM REF.		
					COOLING W	EFFICIENCY W/W	COOLING W	EFFICIENCY W/W		-35	-30	-25	-20	-15	-10	-5	0												
EM	EMY3118Y	12,21	1/5	220-240V 50Hz 1~	RSIR	210	1,48	UD	UD	55	UD	UD	UD	UD	UD	UD	UD	7,6	171	7,8	S	-	150	AB 5	C/V	DWG02	SM03	EMY3118Y	
										45																			
	EMY3118Y	12,21	1/5	220-240V 50Hz 1~	RSCR	212	1,56	UD	UD	55	UD	UD	UD	UD	UD	UD	UD	7,6	171	7,8	S	-	150	AB 5	C/V	DWG02	SM01	EMY3118Y	
										45																			
	EMX3118Y	12,21	1/5	220-240V 50Hz 1~	RSCR	212	1,71	UD	UD	55	UD	UD	UD	UD	UD	UD	UD	UD	7,8	171	7,5	S	-	150	AB 5	C/V	DWG02	SM01	EMX3118Y
										45																			
NB	NBY5170Y	14,30	3/4	220-240V 50Hz 1~	RSCR	842	3,1	UD	UD	55	UD	UD	UD	UD	UD	UD	UD	10,8	206	15	S	-	350	AB 5	C/V	DWG02	SM01	NBY5170Y	
										45																			

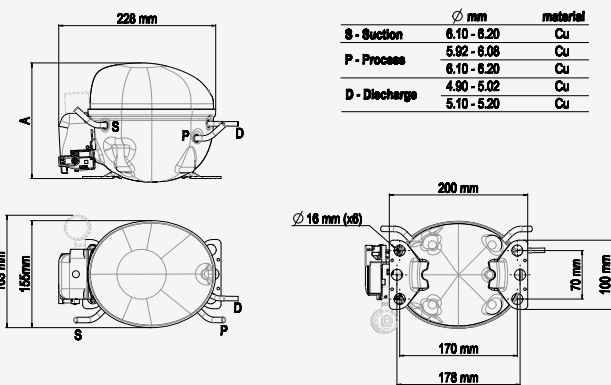
U.D. = under development

NOTE: performance curves are calculated from Ashrae actual curves.

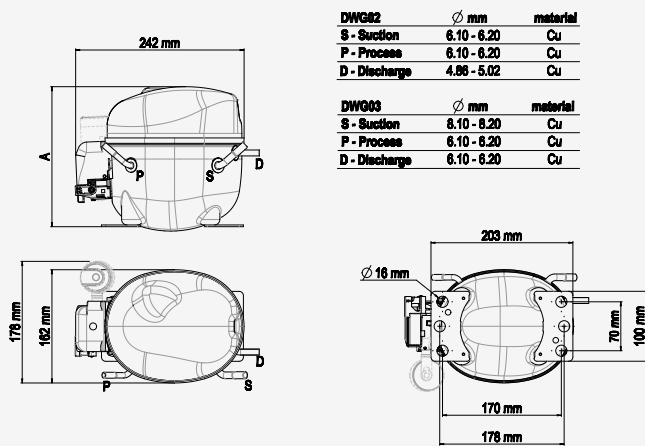
External Views & Wiring Diagrams

EXTERNAL VIEWS

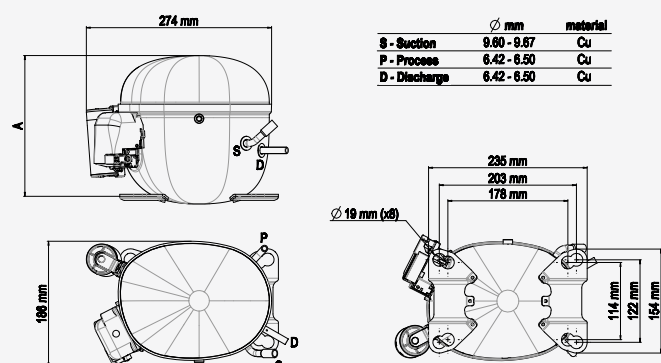
DWG01 - EMT SERIES European Base Plate



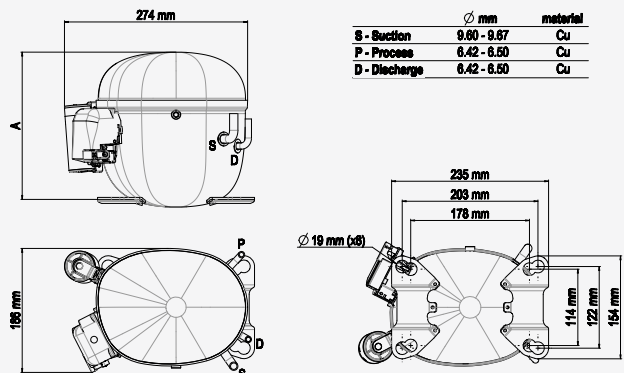
DWG02 / DWG03 - NE SERIES European Base Plate



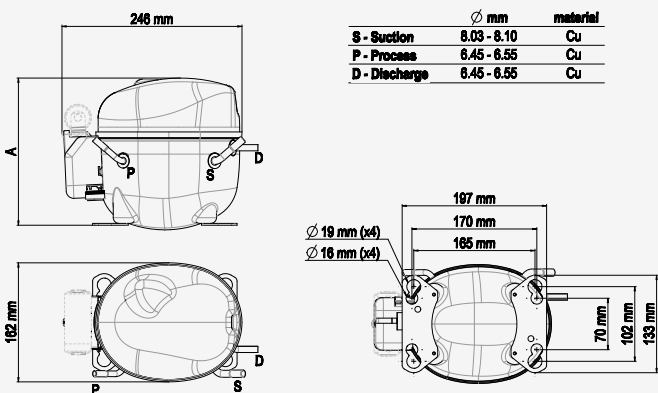
DWG 15 - NT SERIES



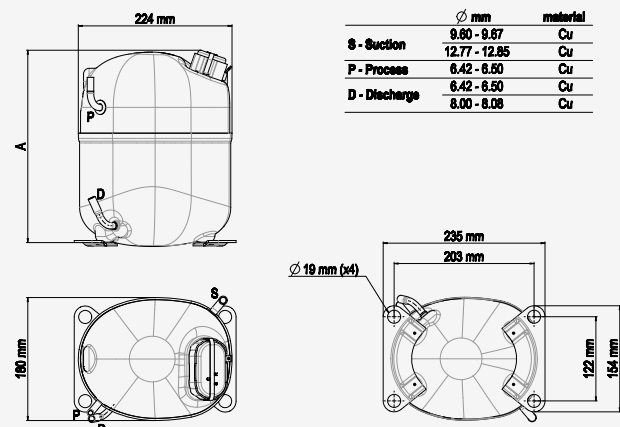
DWG16 - NT SERIES



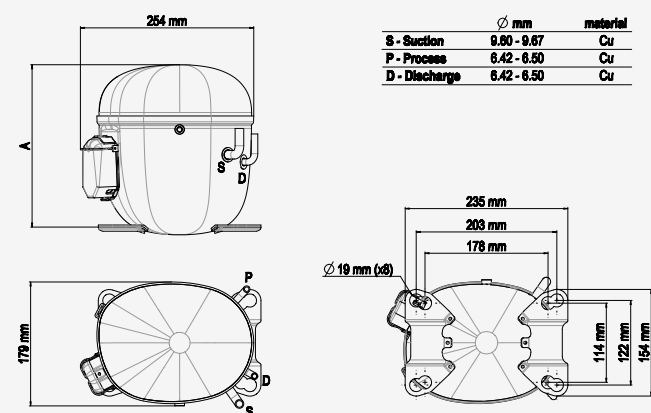
DWG04 - NE SERIES Universal Base Plate



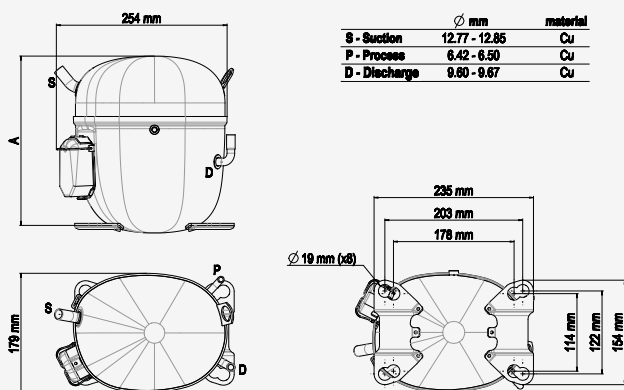
DWG14 - NJ SERIES



DWG17 - NT SERIES



DWG 19 - NTU SERIES



External Views & Wiring Diagrams

WIRING DIAGRAMS KEY



OVERLOAD PROTECTOR



CURRENT START RELAY



3CR CURRENT START RELAY



RUN CAPACITOR



OPTIONAL RUN CAPACITOR



FAN



LAMP



3-PHASE MOTOR



LOW-HIGH PRESSURE SWITCH



EARTH CONNECTION



3-PHASE SUPPLY



SINGLE PHASE SUPPLY



COMMON



RUN



TERMINAL BLOCK

Wh WHITE CABLE

Bl BLUE CABLE

YG YELLOW-GREEN CABLE

———— CONNECTIONS SUPPLIED



PTC START DEVICE



INTEGRATED PTC DEVICE



CURRENT START RELAY WITH CAPACITOR CONNECTIONS



3ARR3 START RELAY (voltage).



RUN CAPACITOR (MANDATORY - NOT SUPPLIED)



START CAPACITOR



PUSHBUTTON



SINGLE PHASE MOTOR



THERMOSTAT



PILOT CIRCUIT 24 OR 220 V



COMMON (INTERNAL OVERLOAD PROTECTOR)



START

Br BROWN CABLE

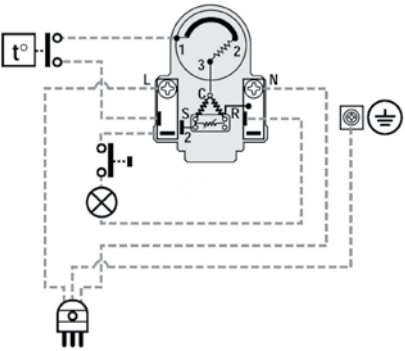
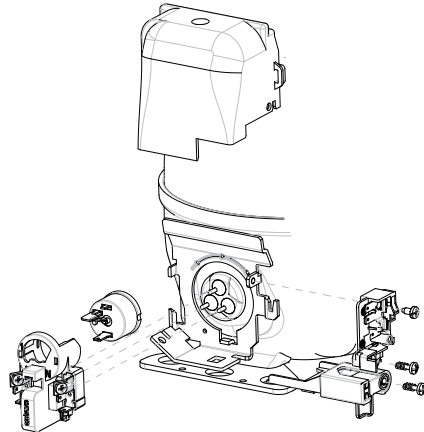
Bk BLACK CABLE

Re RED CABLE

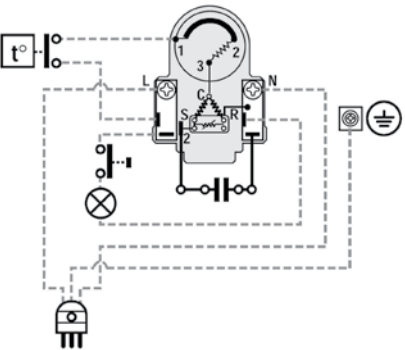
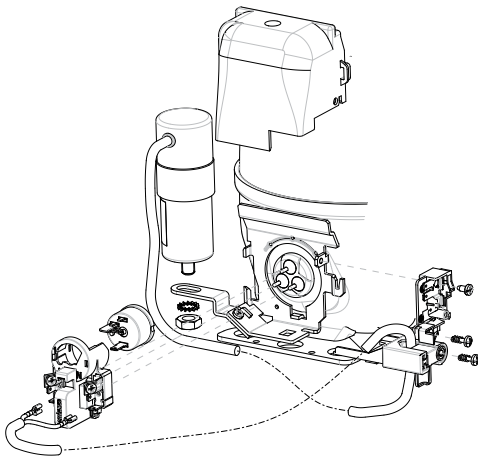
----- CONNECTIONS TO BE MADE BY THE CUSTOMER (NOT SUPPLIES)

WIRING DIAGRAMS

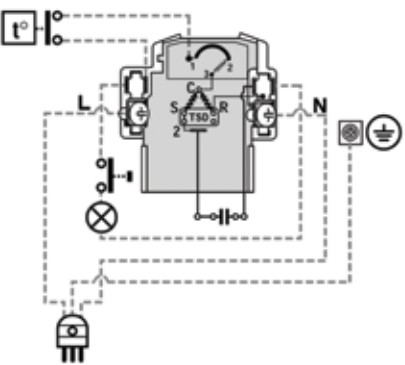
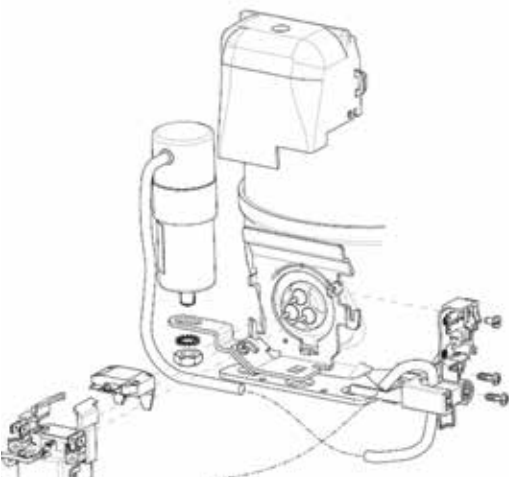
SM00 - EMT/NE SERIES RSIR PTC European Version



SM01 - EMT/NE SERIES RSCR PTC European Version



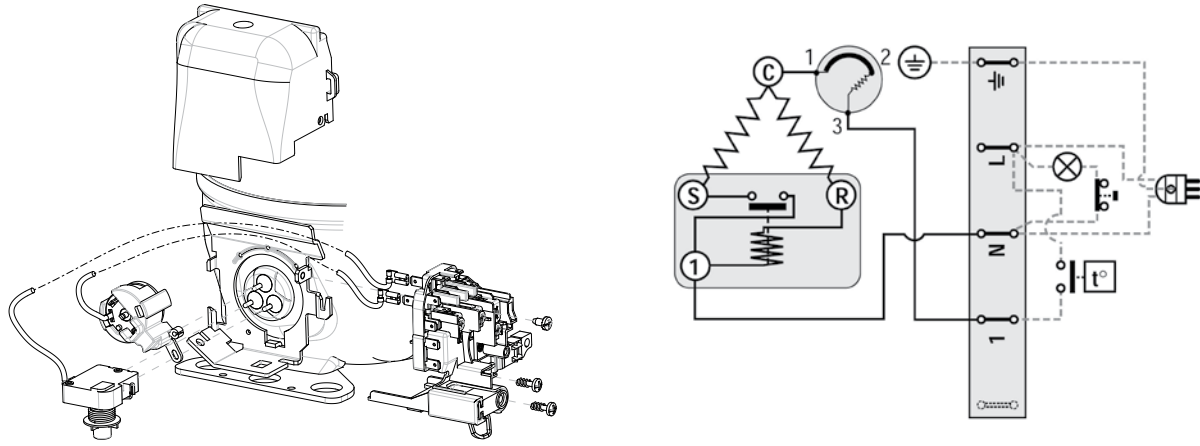
SM02 - EMT/NE SERIES RSCR TSD European Version



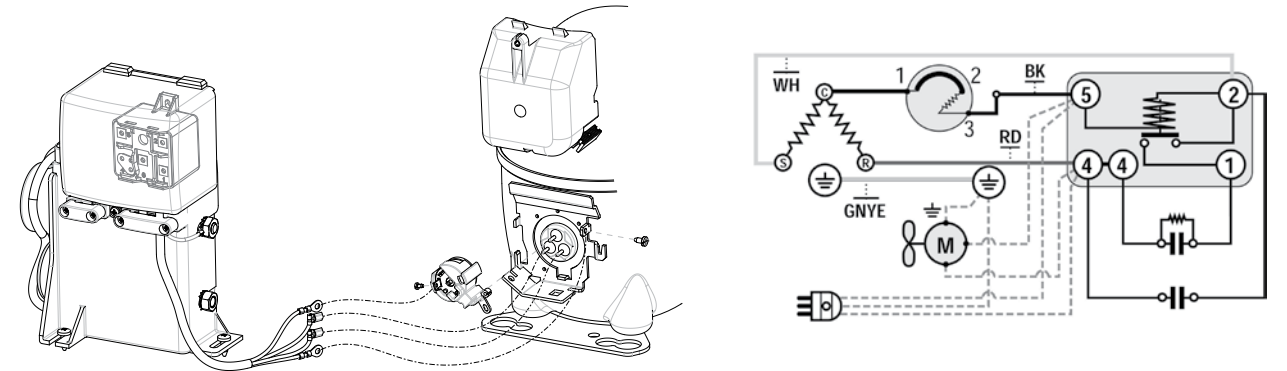
External Views & Wiring Diagrams

WIRING DIAGRAMS

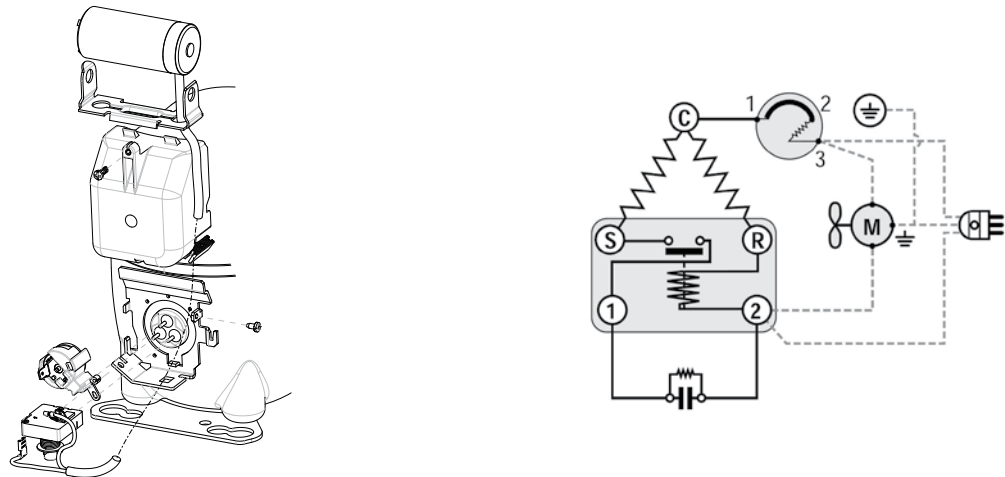
SM03 - EMT/NE SERIES RSIR Terminal Board & Start Device



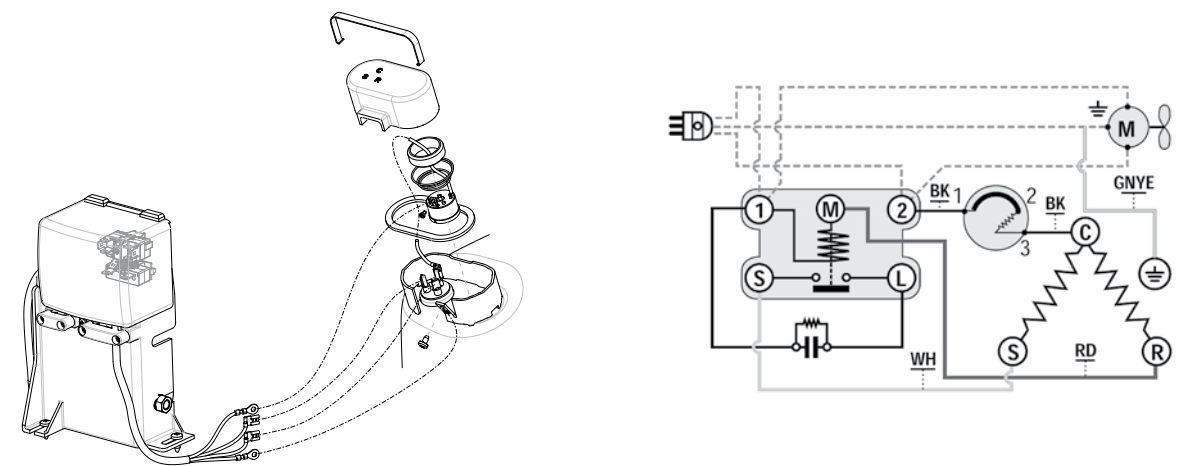
SM06 - NE SERIES CSR Box



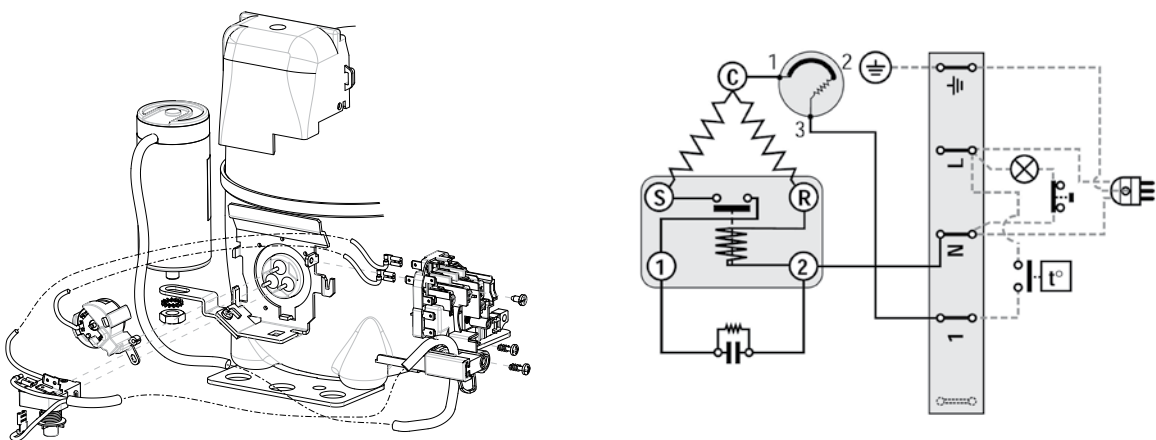
SM04 - EMT/NE SERIES CSIR American Version



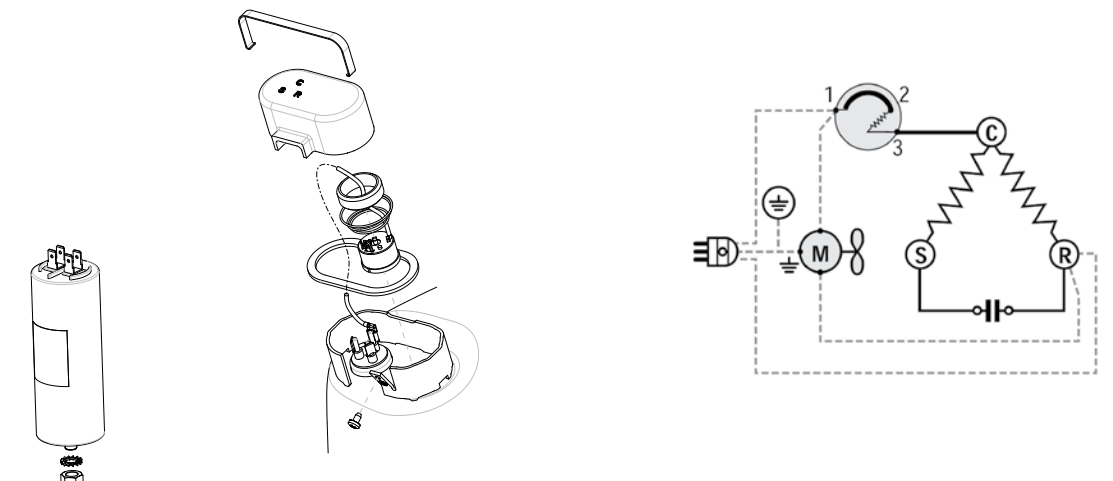
SM14 - NJ CSIR Box



SM05 - EMT/NE SERIES CSIR Terminal Board & Start Device



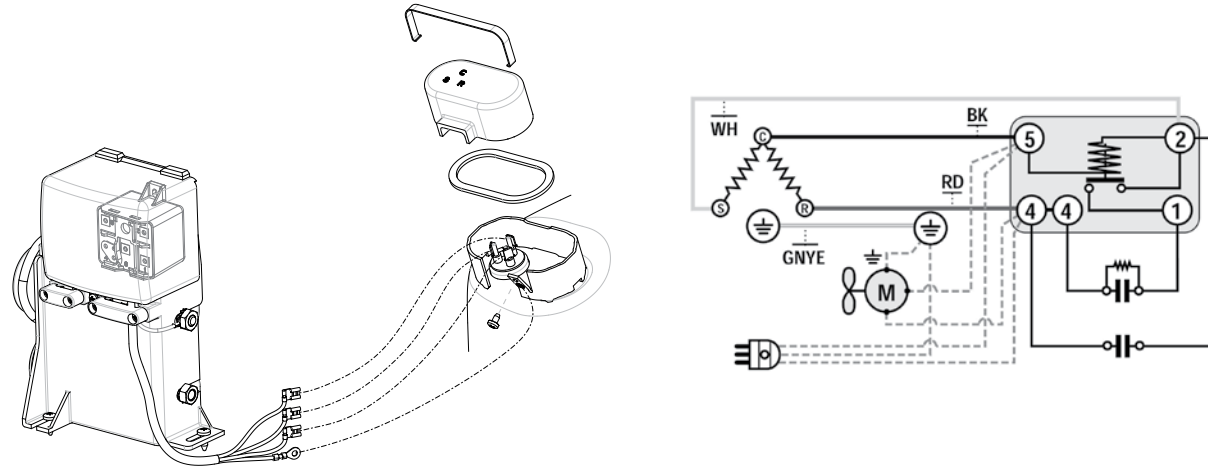
SM15 - NJ PSC



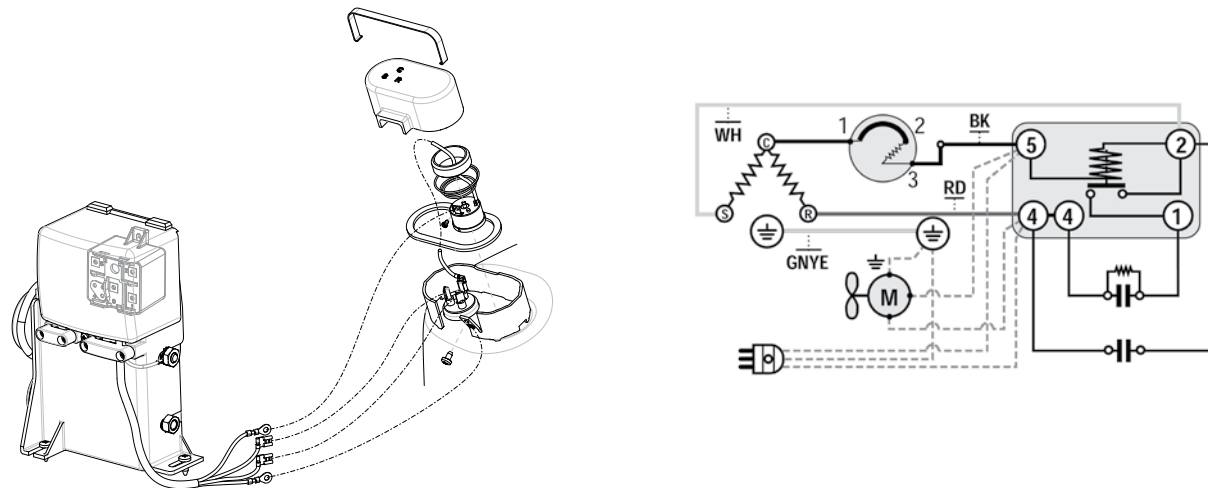
External Views & Wiring Diagrams

WIRING DIAGRAMS

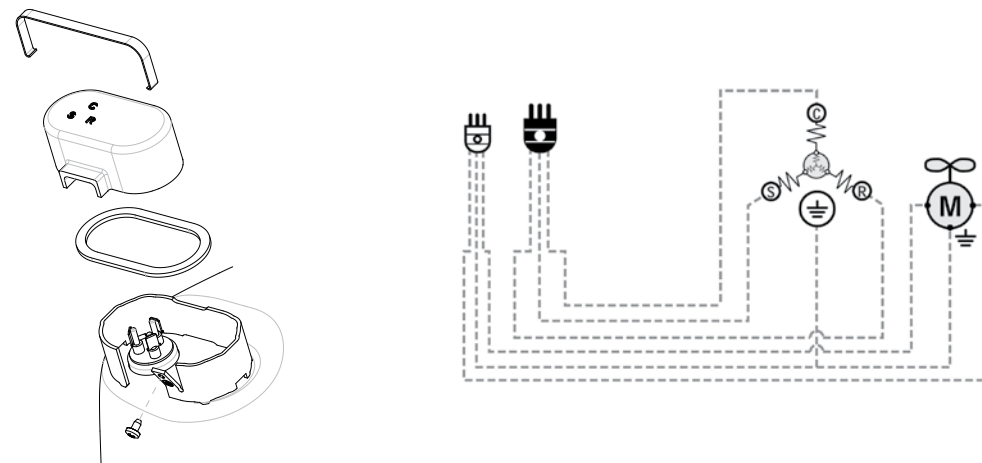
SM16 - NJ SERIES CSR Box (Internal Overload Protector)



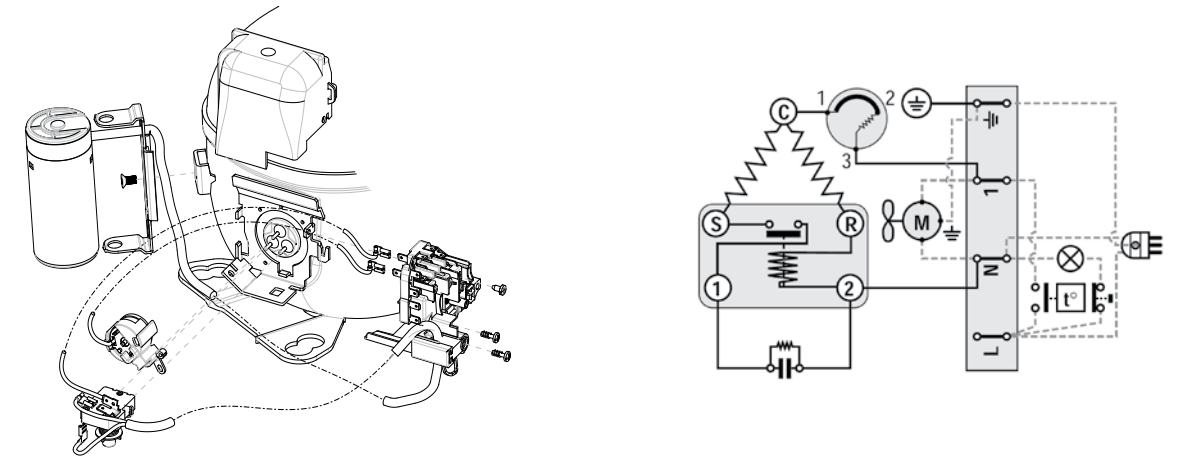
SM17 - NJ CSR Box (External Overload Protector)



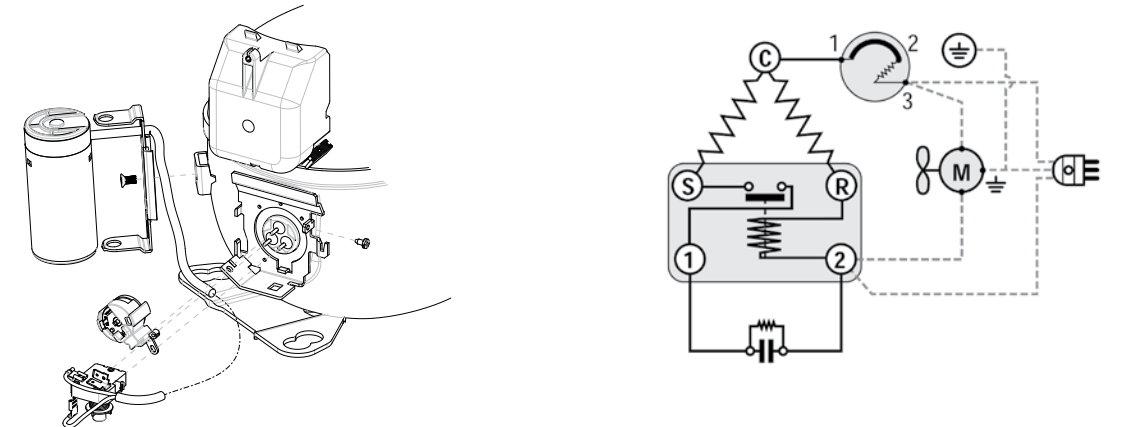
SM18 - NJ SERIES 3-Phase (Internal Overload Protector)



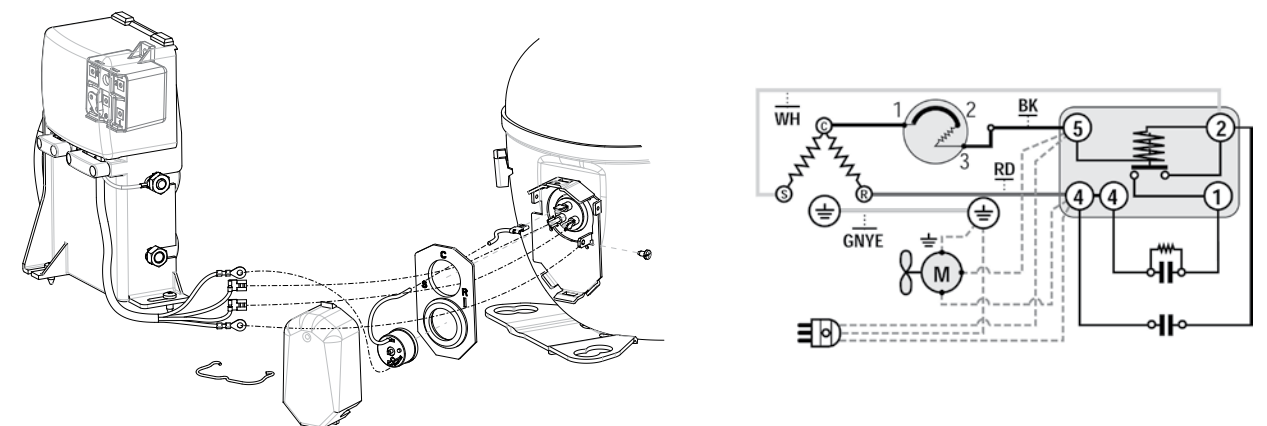
SM19 - NT SERIES CSIR Terminal Board



SM20 - NT SERIES CSIR – American Version



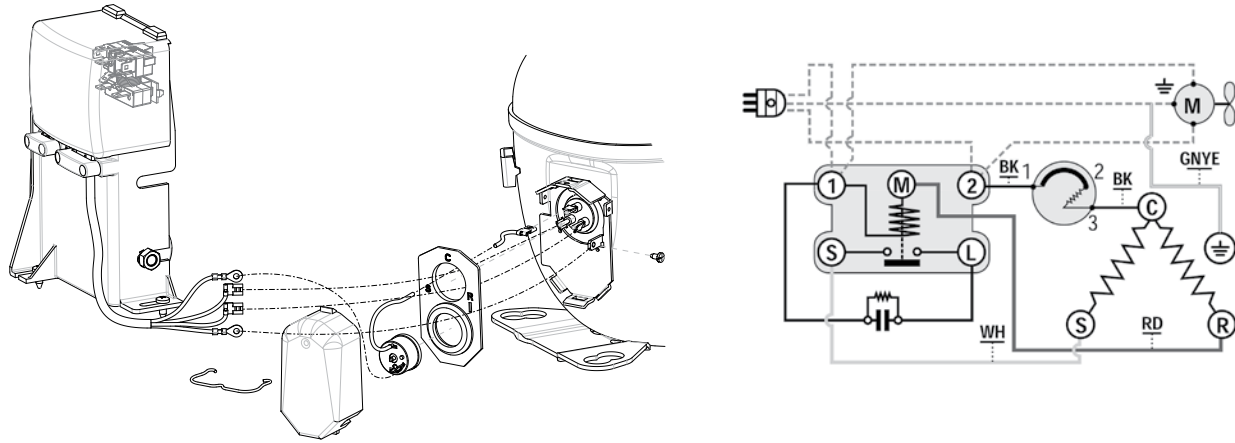
SM21 - NT SERIES CSR Box



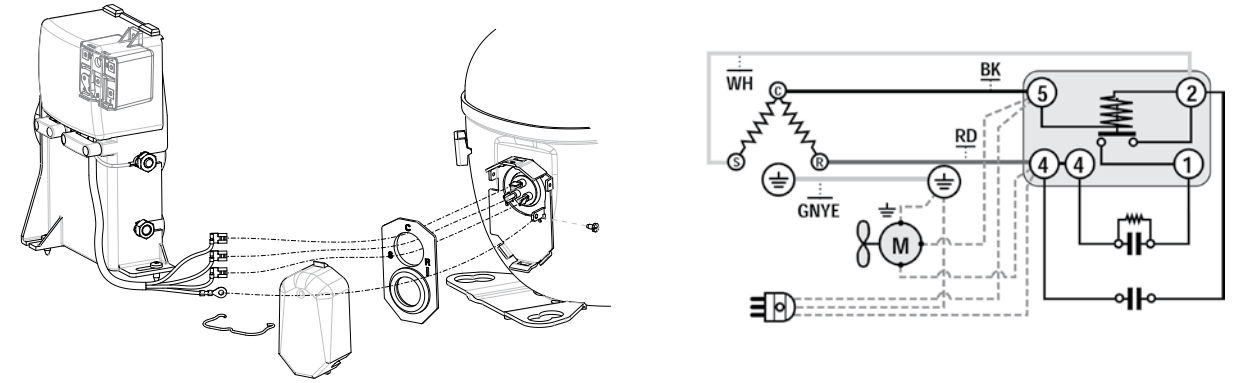
External Views & Wiring Diagrams

WIRING DIAGRAMS

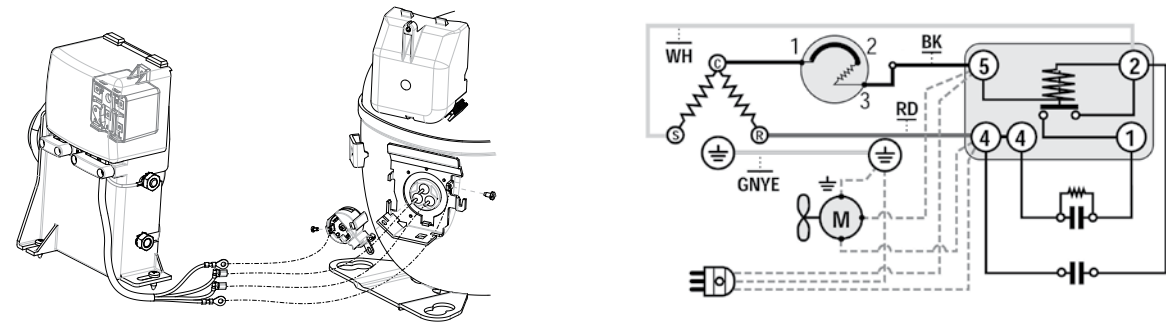
SM22 - NT SERIES CSIR Box



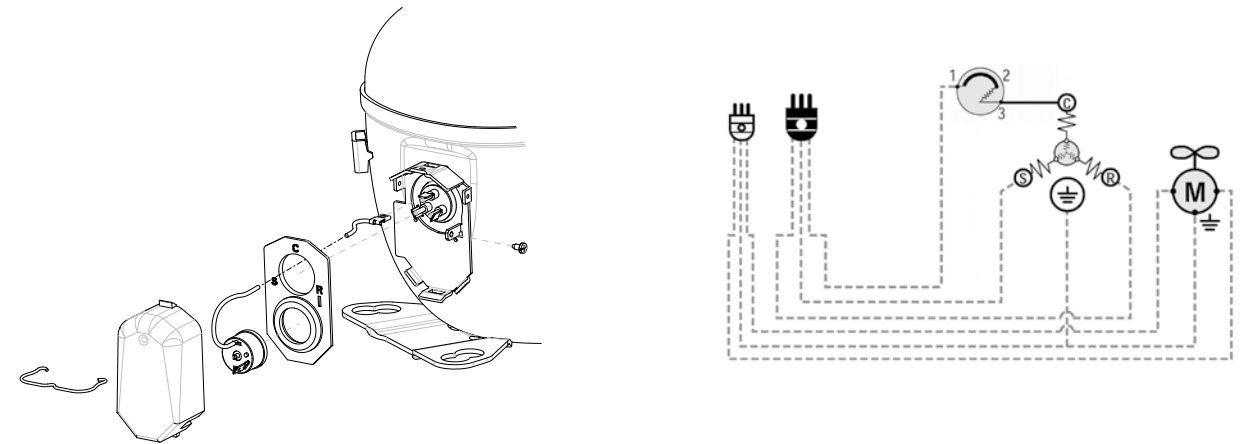
SM26 - NT SERIES CSR Box (Internal Overload Protector)

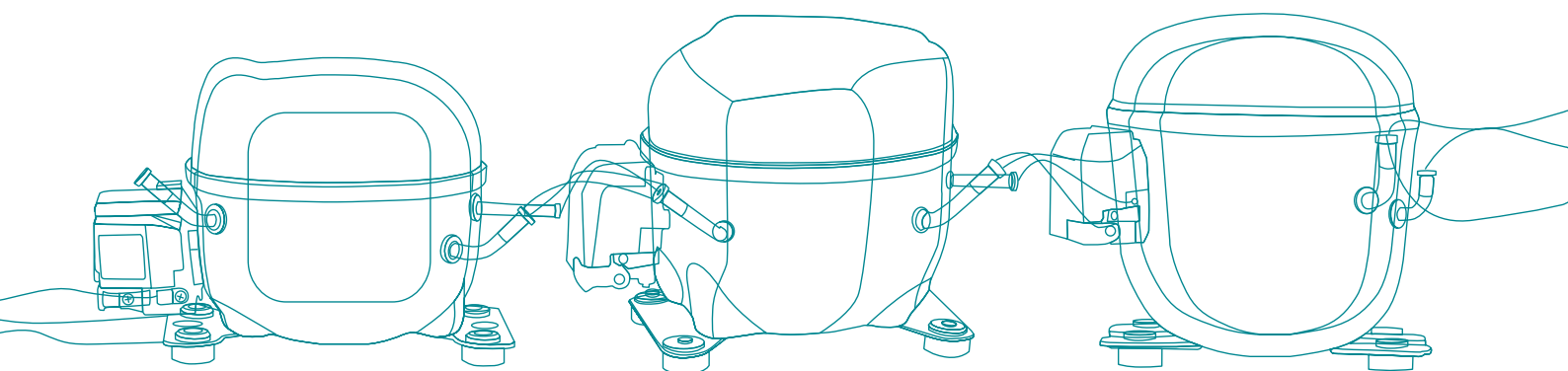


SM23 - NT SERIES CSR Box



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





embraco POWER **IN.**
CHANGE **ON.**

Two thin, teal-colored wavy lines that cross each other and extend horizontally across the middle of the page.



GLOBAL PRESENCE

CONTACT US:

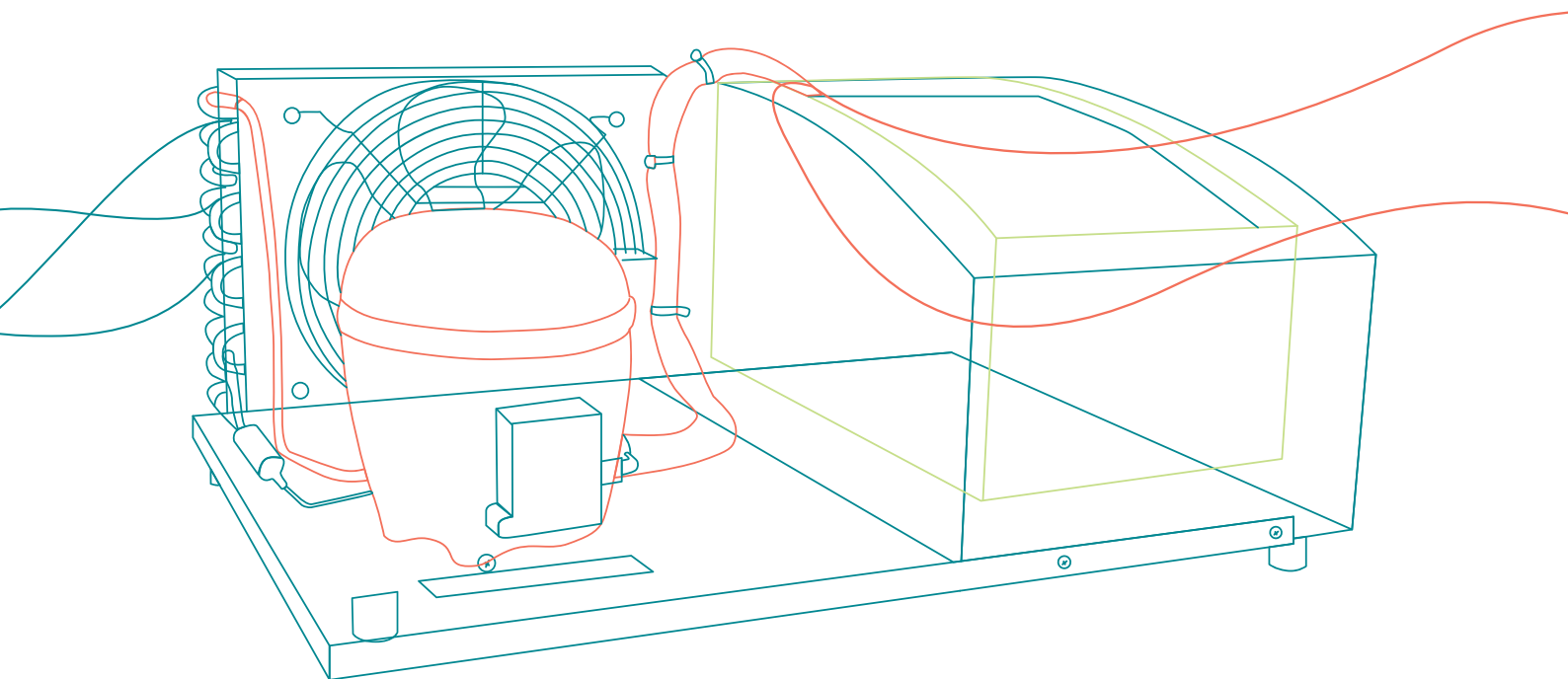
marketing.europe@embraco.com

SALES OFFICE:

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10020 – Riva presso Chieri (TO) - Italy

CONDENSING UNITS EUROPE

TAILORED CUSTOMIZATION



Product range suitable
for your needs.



R134a



R290



R404A/R507

embraco

POWER **IN.**
CHANGE **ON.**

EVERYTHING BECOMES A COOLER



embraco POWER **IN.**
CHANGE **ON.**

EMBRACO IN PILLS

HIGH EFFICIENCY & GREEN SOLUTIONS
EMBRACO COMMERCIAL PRODUCT OVERVIEW

PRODUCT RANGE COMMERCIAL CONDENSING UNITS

General Overview
Applications & Test Conditions
Product Maps 50Hz/60Hz

CONDENSING UNIT SELECTION

How to order your condensing unit
Nomenclature
Families
Voltage & Frequencies
Electrical motor starting torque

Electrical motor types
Accessories & Executions
Basic Accessories of a Cooling System
Packaging
Identification Label

GENERAL DATA AND PERFORMANCE

How to read our catalogue
R134a
R404A/R507
R290

EXTERNAL VIEWS & WIRING DIAGRAMS

External Views
Wiring Diagrams

EMBRACO IN PILLS



MORE THAN 11.500 EMPLOYEES



MORE THAN 400 PROFESSIONALS IN R&D



PRODUCTION CAPACITY OF OVER 38 MILLION COMPRESSORS PER YEAR



MORE THAN 400 MILLION PRODUCTS PRODUCED TO DATE



MORE THAN 1.000 PATENTS WORLDWIDE



BUSINESS CONDUCTED IN MORE THAN 80 COUNTRIES



R&D LABORATORIES IN 4 CONTINENTS

EMBRACO is a company specialized in cooling solutions and world leader in the hermetic compressor market. **Our mission:** provide innovative solutions for a better quality of life, always attentive to technological excellence and sustainability.

Technological leadership, operational excellence and sustainability are some of the pillars which ensure the EMBRACO differential over other companies in the world market. Its products are now considered the favorite leading home appliance manufacturers by major automakers and are spotlighted by manufacturers of commercial refrigeration equipment.

With global operations and production capacity exceeding 38 million units a year, the company offers solutions that are differentiated for their innovation and low energy consumption. Its 11.500 employees work in factories and offices located in Brazil (headquarters), China, Italy, Slovakia, Mexico, the United States and Russia.

Energy efficiency is constantly sought in the processes, products and relationships with the communities where it operates. Our company is the absolute leader in this segment, being able to offer products that meet the most restrictive international standards regarding energy consumption.

As a worldwide leader, **EMBRACO** tries to anticipate market changes, and in doing so, our company is in a state of permanent transformation. We continuously assess our processes in order to maintain our leadership within the industry and promote growth, without forgetting the pillars of our organization.

HIGH EFFICIENCY

Energy efficiency is the base for all our product development. This means producing compressors that consume each time less energy and less raw material in manufacturing, at the same time maintaining **Embraco** brand quality. Thus, we continuously invest in research and development to create products that are more efficient and silent and do not harm the environment.

As a result of efforts to increase energy efficiency in our products, and to surpass our customers' highest expectations, we have developed **Embraco Fullmotion** – a compressor that varies the cooling capacity according to the need, providing a reduction in energy consumption up to 40%.

We have a full product portfolio that offers compressors of a wide ranges of efficiency. We are a global benchmark in developing solutions that meet the strictest international standards regarding energy consumption. With a commitment to seek continuous product and process improvement, each new generation of **Embraco** compressors is more efficient than the previous one.

GREEN SOLUTIONS

Embraco has always been committed to offer solutions to the market that go beyond the traditional ones. We have been at the forefront, for example, in launching products compatible with the most environmentally advanced refrigerant gases. We were the first organization to produce compressors that use alternative fluid refrigerants, such as propane (R290), to replace HFCs.

This natural refrigerant has important ecological advantages, since it does not contribute to ozone layer deterioration and has a limited greenhouse effect. Furthermore, its noise levels are low, while its efficiency rate gain and cooling capacity is quite high. To know our product portfolio in R290 contact our sales team.

YOUR BEST CHOICE IN CONDENSING UNITS

Embraco, the technology and market leader in hermetic refrigeration systems reinforces its talent for innovation and creates a new business unit. Partnership is the key word that translates, innovative and exclusive solutions. A global structure of **Engineering, Manufacturing and Laboratories** ensures a quick response to customer requirements, offers a complete line of refrigeration products including: Condensing Units, Sealed Refrigeration Units, Heat Exchangers and other components; all developed from specific customer needs and designed for a wide range of applications.

Advantages

- ✓ **Flexible range of solutions - From the manufacturing of a product originally designed** by the customer to turnkey solutions, including the development and production of a customized line of Condensing Units and Refrigeration Sealed Units;
- ✓ **Optimized development costs and timing –allowing customers to focus on other** competencies, such as the design and manufacturing of cabinets and the marketing of end products;
- ✓ **Simpler supplier base** - Fewer purchased items and inventory management
- ✓ **Reduced complexity** - of manufacturing processes

FEATURES AND BENEFITS

Complete line from **1/7 to 3 HP**

Units available for **R134a, R404A / R507 and R290**

100% factory tested

Reliable, quiet and **efficient** hermetic compressors

Corrosion resistant materials

Supertropical Units - oversized condenser capable of operating under high ambient temperature up to 48°C

UL approved for **60Hz** version

Customized design (external casing, accessories)

Low maintenance

ROHS free, PED 97/23/CE - clause 3 par. 3

Great ecological appeal

EMBRACO COMMERCIAL PRODUCT OVERVIEW

Embraco Commercial Product Overview

EUROPE RANGE



BRAZIL RANGE



CONDENSING UNIT



FULLMOTION



Europe Range Commercial Condensing Units



UEMT

- Low noise
- High efficiency level
- Compact size

AVAILABLE FOR
R134a, R404A, R290
APPLICATION:
LBP,M/HBP
COMPRESSOR FROM
4,0 CC TO 8,0 CC



UNEK/UNEU

- Low noise
- Low vibrations
- High reliability in severe working conditions

AVAILABLE FOR
R134a, R404A, R290
APPLICATION:
LBP,M/HBP
COMPRESSOR FROM
7,3 CC TO 16,8 CC



UNT

- High efficiency level
- Very low sound level
- High cooling capacity at low evaporating temperatures

AVAILABLE FOR
R134a, R404A, R290
APPLICATION:
LBP,M/HBP
COMPRESSOR FROM
12,6 CC TO 22,4 CC



UNJ

- Small size platform
- High energy efficiency
- Reduced noise level

AVAILABLE FOR
R134a, R404A
APPLICATION:
LBP,M/HBP
COMPRESSOR FROM
21,7 CC TO 34,4 CC



SLIDING UNITS

SCREWLESS ACCESS

- Easy access for technician
- Stackable
- Energy efficiency
- High quality

AVAILABLE FOR
R134a, R404A
APPLICATION:
LBP,M/HBP

Applications & Test conditions

LBP

(LOW BACK PRESSURE)
LOW EVAPORATING TEMPERATURES
(TEMPERATURE RANGE BETWEEN -10 TO -40 C);

APPLICATIONS:
REFRIGERATORS, FROZEN FOOD CABINETS, FROZEN FOOD DISPLAY CASES, DISPLAY WINDOWS, ETC.

M/HBP

(MEDIUM / HIGH BACK PRESSURE)
EVAPORATING TEMPERATURES BETWEEN -20°C AND +10°C;

APPLICATIONS: COOLERS, MERCHANDISERS, ETC

MBP

(MEDIUM BACK PRESSURE)
MEDIUM EVAPORATING TEMPERATURES
(TEMPERATURE RANGE BETWEEN -10 TO -40 C);

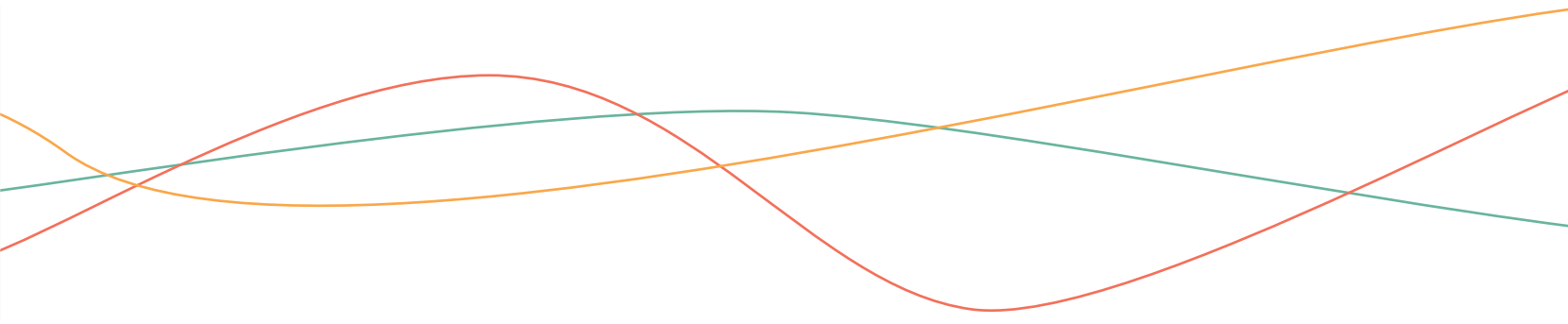
APPLICATIONS:
FRESH FOOD CABINETS, DRINK COOLERS, ICE MAKERS ETC.

HBP

(HIGH BACK PRESSURE)
EVAPORATING TEMPERATURES, BETWEEN -15 AND +10°C;

APPLICATIONS:
FRESH FOOD CABINETS, DRINK COOLERS, ICE MAKERS, DEHUMIDIFIERS ETC.

TEST CONDITIONS (RATING POINT)	APPLICATION	EVAPORATING TEMPERATURE C°	GAS RETURN TEMPERATURE C°	SUBCOOLING	COMPRESSOR AMBIENT TEMPERATURE C°
EN 13215	LBP		20		32
	M/HBP		20		32
ASHRAE SUBCOOLED	LBP	-23,3	32	3K	32
	M/HBP	7,2	32	3K	32



Product Maps 50Hz
CONDENSING UNITS PRODUCT MAP 50HZ/DUAL FREQ./3Ø

50Hz 50-60Hz	R134a								R404A / R507								R290							
	LBP	VOLT. FREQ.	COOL. CAP. [W] (-25°C)	DISPL. [cc]	HBP	VOLT. FREQ.	COOL. CAP. [W] (+5°C)	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W] (-35°C)	DISPL. [cc]	M/HBP	VOLT. FREQ.	COOL. CAP. [W] (+5°C)	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. [W] (-35°C)	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W] (+5°C)	DISPL. [cc]
UEMT	UEMT49HLP	A	142	5,57	UEMT37HDP	A	UD	3,40	UEMT2117GK	A	145	4,50	UEMT6144GK	A	599	3,97	UEMT2121U	A	160	5,57	UEMT6144U	A	623	4,50
					UEMT45HDR	A	428	3,97	UEMT2125GK	A	171	5,96	UEMT6152GK	A	631	4,50	UEMT2130U	A	324	6,76	UEMT6152U	A	656	5,20
					UEMT50HDP	A	UD	4,50	UEMT2130GK	A	199	6,76	UEMT6165GK	A	799	5,20					UEMT6165U	A	769	5,96
					UEMT6144Z	A	523	5,20																
					UEMT6160Z	A	571	6,76																
					UEMT6170Z	A	749	7,69																
UNEK	UNEK1116Z	A	151	7,40	UNEK6187Z	A	870	10,00	UNEK2125GK	A	185	6,20	UNEK6144GK	A	736	4,52	UNEK2121U	A	162	6,20	UNEK6181U	A	791	7,28
	UNEK2116Z	A	155	7,40	UNEK6210Z	A	975	12,12	UNEK2134GK	A	216	8,78	UNEK6165GK	A	923	6,20	UNEK2125U	A	185	7,28	UNEK6210U	A	1053	8,78
	UNEK1118Z	A	188	8,40	UNEK6212Z	A	1222	14,30	UNEK2150GK	A	322	12,12	UNEK6181GK	A	1020	7,28	UNEK2134U	A	288	10,00	UNEK6213U	A	1212	12,12
	UNE2121Z	A	263	9,27	UNEK6214Z	A	1287	16,80	UNEK2168GK	A	367	14,30	UNEK6210GK	A	1188	8,78	UNEK2150U	A	315	13,54				
	UNE2130Z	A	279	12,12									UNEK6213GK	A	1439	12,12	UNEK2160U	A	365	16,80				
	UNE2134Z	A	304	14,30									UNE9213GK	A	1587	12,12								
UNT	UNEK2140Z	A	UD	16,80									UNEK6217GK	A	1859	14,30								
					UNT6215Z	N	1507	17,4	UNT2168GK	N	367	14,5	UNT6217GK	A	1720	12,5	UNT2210U	A	720	27,8	UNT6217U	A	1521	14,5
					UNT6217Z	A	1718	20,4	UNT2178GK	A	453	17,4	UNT6220GK	N	1975	14,5					UNT6220U	A	1898	17,4
					UNT6220Z	N	2020	20,4	UNT2180GK	A	513	20,4	UNT6222GK	A	2297	17,4					UNT6222U	A	1858	20,4
					UNTU6224Z	A	2670	27,8	UNT2192GK	A	523	22,4	UNT6224GK	A	2654	20,4								
									UNT2212GK	A	669	27,8	UNT6226GK	A	2808	20,4								
UNJ					UNJ6220Z	A	2156	26,1	UNJ2192GK	A	673	26,1	UNJ9226GK	V	2909	21,7								
					UNJ6220ZX	M	2330	26,1	UNJ2192GS	M	495	26,1	UNJ9226GS	M	2091	21,7								
					UNJ6226Z	A	2759	34,4	UNJ2212GK	A	717	34,4	UNJ9232GK	A	3149	26,1								
					UNJ6226ZX	M	2759	34,4	UNJ2212GS	M	717	34,4	UNJ9232GS	M	3124	26,1								
UGNT/ UGNJ (gemini)													UNJ9238GK	V	3819	32,7								
													UNJ9238GS	M	4012	32,7								
					UGNJ6220ZX	M	4141	2x26,1	UGNT2180GK	A	987	2x20,4	UGNJ9226GK	V	5534	2x21,7								
					UGNJ6226ZX	M	5409	2x34,4	UGNJ2192GK	A	990	2x26,1	UGNJ9226GS	M	5029	2x21,7								
									UGNJ2192GS	M	990	2x26,1	UGNJ9232GK	A	6144	2x26,1								
									UGNJ2212GK	A	1434	2x34,4	UGNJ9232GS	M	6125	2x26,1								
Super-tropical									UGNJ2212GS	M	1434	2x34,4	UGNJ9238GK	V	7488	2x32,7								
													UGNJ9238GS	M	7657	2x32,7								
									UNJ2192GK	A	1102	26,11	UNJ9226GK	V	3384	21,71								
									UNJ2212GK	A	1423	34,38	UNJ9232GK	A	3976	26,11								
													UNJ9238GK	V	4540	32,67								
													UNJ9238GS	M	4763	32,67								
Sliding Units					UDNEK6187Z	available on demand			UDNEK2134GK	available on demand			UDNEK6210GK	A	1131	8,78								
					UDNEK6210Z	A	1036	12,12	UDNEK2150GK	A	306	12,12	UDNEK6213GK	A	1378	12,12								
					UDNEK6212Z	A	1280	14,30	UDNEK2168GK	A	399	14,30	UDNEK6217GK	A	1583	14,30								
					UDNEK6214Z	A	1374	16,80	UDNEK2178GK	A	487	16,80	UDNT6220GK	A	1821	14,5								
					UDNT6215Z	N	1416	17,4	UDNT2180GK	A	838	20,4	UDNT6222GK	A	1986	17,4								
					UDNT6217Z	A	1647	20,4	UDNT2192GK	A	598	22,4	UDNT6226GK	A	2454	20,4								
					UDNT6220Z	available on demand			UDNT2212GK	A	725	27,8	UDNJ9232GK	A	2834	26,1								
					UDNJ6220Z	A	2048	26,1	UDNJ2192GS	available on demand			UDNJ9238GK	V	3506	32,7								
					UDNJ6220ZX	available on demand			UDNJ2212GS	available on demand			UDNJ9226GS	available on demand										
					UDNJ6226Z	A	2704	34,4	UDNJ2212GK	A	849	34,4	UDNJ9232GS	available on demand										
				UDNJ6226ZX	available on demand							UDNJ9238GS	available on demand											
												UDNJ2192GS	available on demand											
												UDNJ2212GS	available on demand											

Product Maps 60Hz
CONDENSING UNITS PRODUCT MAP 60Hz

60Hz	R134a				R404A / R507							
	HBP	VOLT. FREQ.	COOL. CAP. 7,2°C [W]	DISPL. [cc]	LBP	VOLT. FREQ.	COOL. CAP. 23,2°C [W]	DISPL. [cc]	M/HBP	VOLT. FREQ.	COOL. CAP. 7,2°C [W]	DISPL. [cc]
UNEK	UNEK6170Z	G	767	8,40	UNEK2134GK	G	502	8,78	UNEK6144GK	G	676	4,52
	UNE6187Z	D/G	1231	10,00	UNEK2150GK	G	700	12,12	UNEK6210GK	D/G	1087	8,78
	UNEK6210Z	G	1300	12,12					UNEK6213GK	D/G	1430	12,12
	UNEK6212Z	B/G	1574	14,30								
	UNEK6214Z	D/G	1769	16,80								
UNT	UNT6215Z	D/G	1805	17,4	UNT2192GK	D/G	1039	22,4	UNT6220GK	G	2009	14,5
	UNT6217Z	D/G	2261	20,4	UNT2212GK	D/G	1614	27,8				
UNJ	UNJ6220Z	D/G	2520	26,1	UNJ2192GK	D	1170	26,1	UNJ9226GK	D	3508	22,4
	UNJ6226Z	D	2840	34,4	UNJ2212GK	D	1730	34,4				

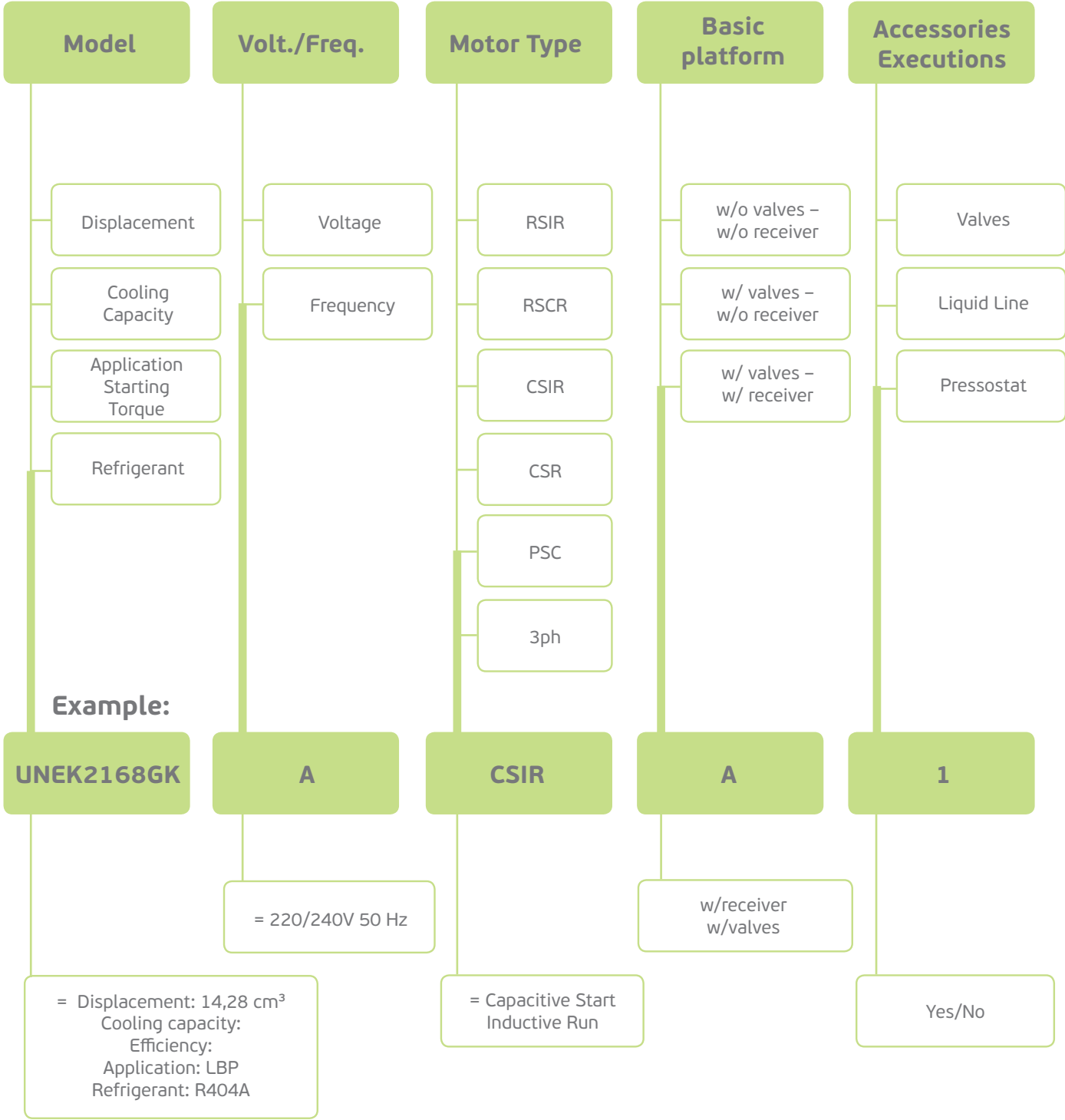
Cool. Cap. ASHRAE / Rated Point
Return gas 32°C/Ambient temp. 32°C/Subcooling 3K Volt./Freq.
B 208-230V/60Hz 1 - or 200-230V/50Hz 1 - D 208-230V/60Hz 1 - G 115V/60 Hz 1 -

Cool. Cap. EN13215 / Rated Point /
Return gas 20°C/Ambient temp. 32°C/Subcooling 3K Volt./Freq.
A 220-240V/50Hz 1 - M 380-420V/50Hz 3 - N 220-240V/50Hz (230V/60Hz) 1 - V 230V/50Hz 1 -

CONDENSING UNIT SELECTION

HOW TO ORDER YOUR CONDENSING UNIT

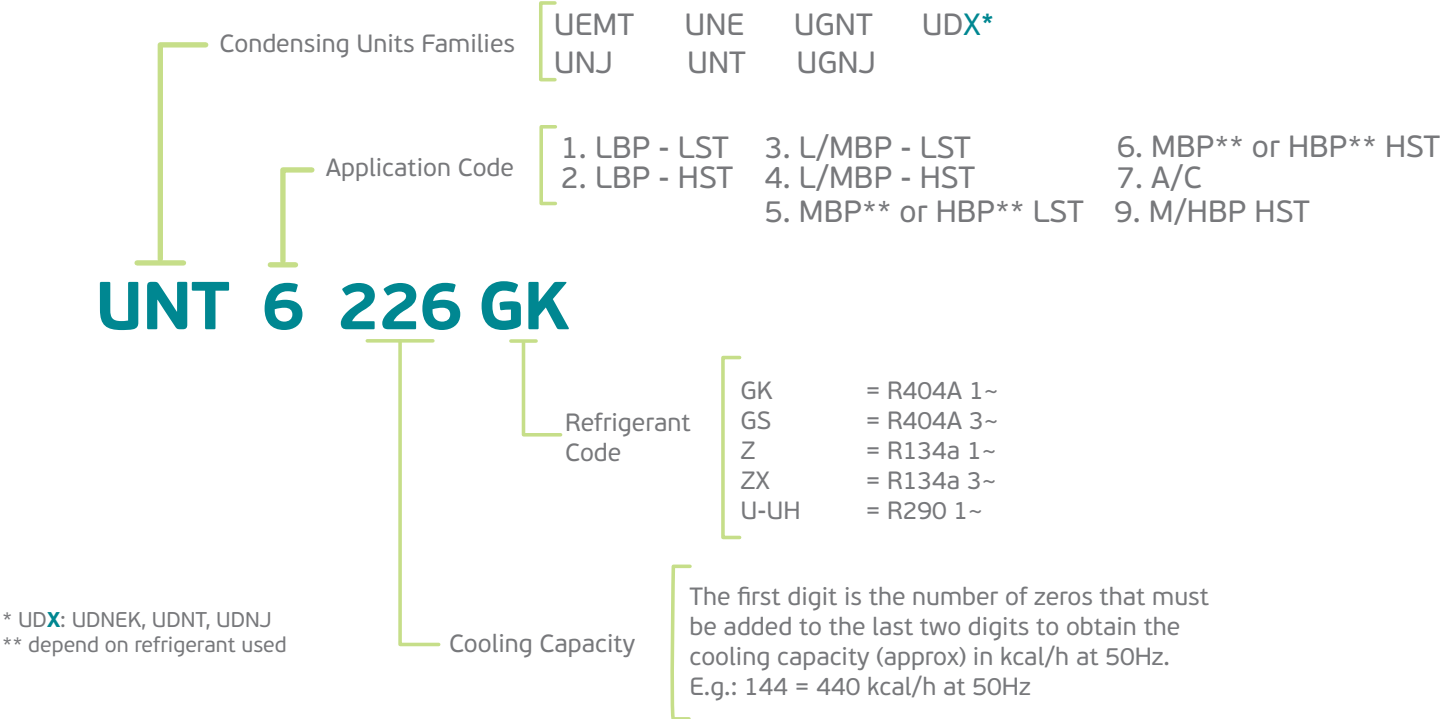
Ordering Code



NOTE: not all combinations are possible

Nomenclature

UEM/UNEK/UNT/UNJ



Families

FAMILIES	LBP			MBP/HBP		
	R134a	R404A	R290	R134a	R404A	R290
UEM	✓	✓	✓	✓	✓	✓
UNEK	✓	✓	✓	✓	✓	✓
UNT	✓	✓	✓	✓	✓	✓
UNJ	✓	✓	✗	✓	✓	✗
UDX	✗	✓	✗	✓	✓	✗

Expansion Device

TYPE	DESCRIPTION
C	Capillary
V	Expansion Valve

Voltage & Frequencies

Code	Voltage & Frequency	Voltage Working Range		Minum Start Voltage	
		50Hz	60Hz	50Hz	60Hz
A	220-240V/50Hz 1 ~	198V - 254V		187V	
B	200-230V/50Hz (208-230V/60Hz) 1 ~	180V - 244V	187V-244V	170V	177V
C	220V/50Hz 1 ~	200V - 242V		187V	
D	208-230V/60Hz 1 ~		187V - 244V		177V
E	115-127V/60Hz		103 - 134V		98V
G	115V/60Hz 1 ~		103V-127V		98V
J	230V/60Hz 1 ~		207V-253V		195V
K	200-220 V 50 Hz 1~ / (230 V 60 Hz 1~)	180V ÷ 234V	207V ÷ 253V	170V	195V
M	380-420V/50Hz	332V-445V		323V	
N	200-240V/50Hz (230V/60Hz) 1 ~	180V-254V	207V-253V	170V	195V
R	200V/50-60Hz 3 ~	180V-220V	180V-220V	170V	170V
V	230V/50Hz 1 ~	207V-253V		195V	
Z	200-230V/60Hz 1 ~		180V-244V		170V

Electrical motor starting torque

LST	Low Starting Torque: Compressors with RSIR-RSCR-PSC electrical motors for systems with capillary tube and with balanced pressures at start up.
HST	High Starting Torque: Compressors with CSIR-CSR and 3ph electrical motors for systems with balanced or unbalanced pressures at start up.

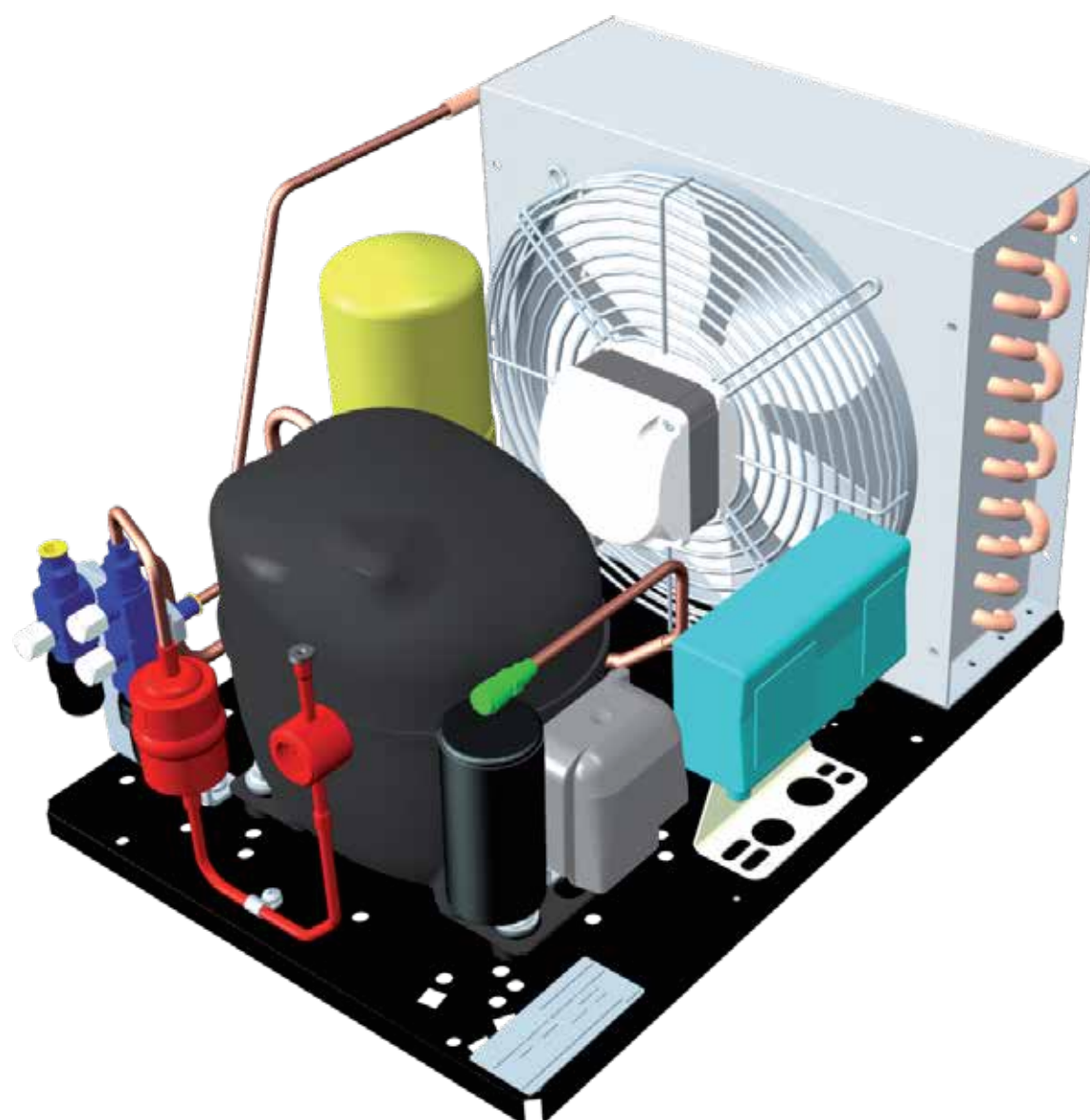
Electrical motor types

RSIR	Resistance Start – Inductive Run This motor type , used in the compressor of small power, has a low starting torque (LST) and must be applied only to capillary tube systems where the pressures equalize. The motor is characterized by a start winding with high ohmic resistance and must be disconnected when it reaches the stabilized rotational speed. An electromagnetic relay, calibrated for the motor current, disconnects the start winding at the end of the start up. An alternative to the electromagnetic relay is, for some models, a PTC solid state-starting device.
RSCR	Resistance Start – Capacitive Run Similar to RSIR motor version but uses a PTC solid state starting device and a permanent connected run capacitor to improve its efficiency.
CSIR	Capacitive Start – Inductive Run Similar to RSIR motor, with a different start winding in series with a start capacitor of suitable capacitance to get a high starting torque.
CSR	Capacitive Start & Run CSR version with capacitive run and start windings. Same as PSC motor but with a start capacitor in series with the start winding. A potential starting relay, calibrated for each motor, disconnects the start capacitor at the end of the start. The motor is characterized by a high starting torque (HST) and high efficiency.
PSC	Permanent Split Capacitor: PSC version with capacitive run winding. This motor is characterized by the run capacitor permanently connected in series with the start winding; both remain connected even after the motor starts. The starting torque is enough to guarantee that the compressor starts only with balanced pressures in capillary tubes systems or with a pressure equalizer.
3Ø	Three Phase Three-phase windings with star connections

Electrical components

Motor Type	Overload Protector	Starting Device			Capacitors	
		Current Relay	Voltage Relay	PTC	Start	Run
RSIR	✓	✓	✗	✓	✗	✗
RSCR	✓	✗	✗	✓	✗	✓
CSIR	✓	✓	✗	✗	✓	✗
CSR	✓	✗	✓	✗	✓	✓
PSC	✓	✗	✗	✗	✗	✓

Accessories & Executions



A RECEIVER

1. YES
2. NO

B VALVES

1. FLARE
2. SOLDER
3. NO

C LIQUID LINE

1. YES
2. NO

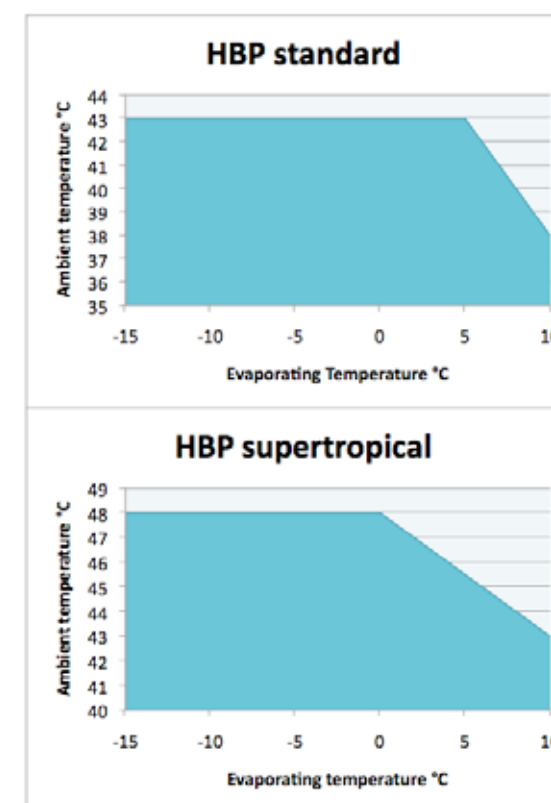
D PRESSOSTAT

1. SINGLE FIXED VALUE
2. SINGLE TUNING
3. DUAL TUNING
4. NO

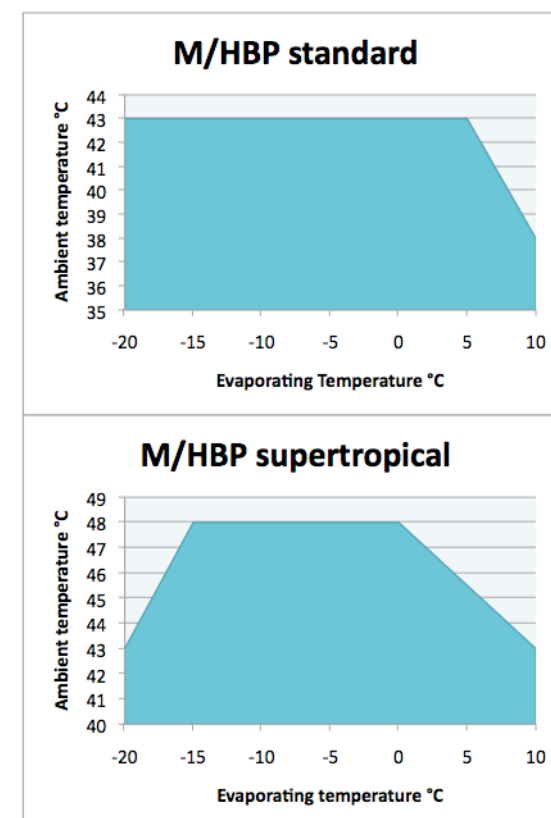
E SCHRADER

Operating Envelope

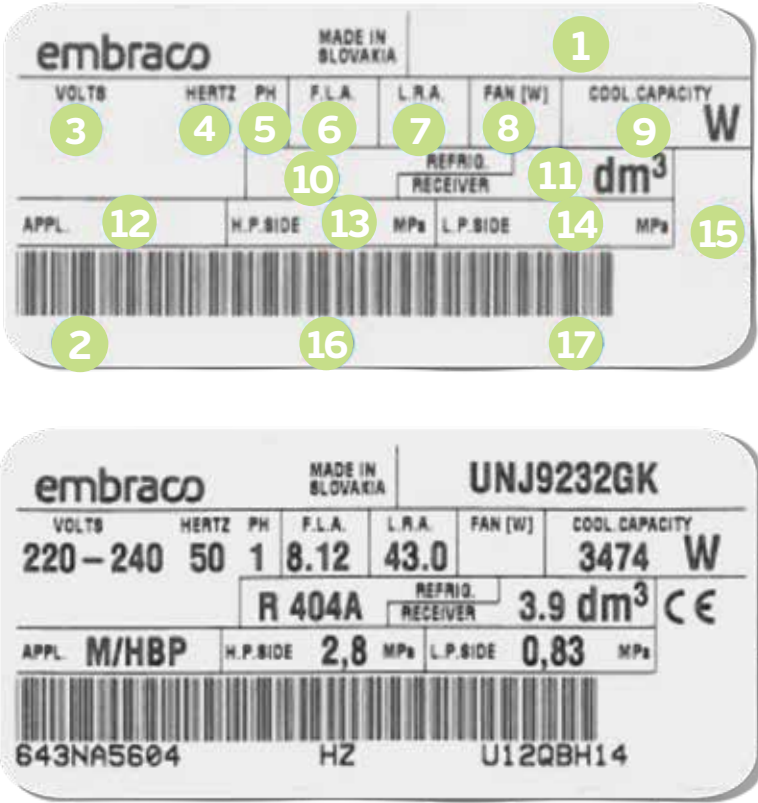
R-134a



R-404A/R507, R-290



Label



- 1

Condensing unit model
- 2

Condensing unit bill of material
- 3

Voltage
- 4

Frequency
- 5

Phases
- 6

Full load amperage
- 7

Locked rotor amperage
- 8

Fan output
- 9

Cooling capacity at rated point

10

Refrigerant

11

Receiver volume

12

Application type

13

Maximum pressure at high side

14

Maximum pressure at low side

15

Agency approvals

16

Date of production code

17

serial No.

Packaging



PCS/PALLET

UEMT	24
UNEK	from 12 to 24
UNT	from 8 to 21
UNJ	from 4 to 12
UGNJ	4
SLIDING UNITS	1

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C EN13215: Ambient 32°C Return Gas 20°C							Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model	
				cm³	A		Rated -23,3			-30	Rated -25		-20	-15	-10	-5		Litre	Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans		Air Flow Rate	A	B	C	Drawing Number	No. of Rows		No. of Tubes
							W	W inP	Current (A)		W	W																				
UEMT	UEMT49HLP	A	RSIR	5,57	5,2	1/5	150	115	1,02	UD	142	105	UD	UD	UD	UD	-	3/8	1/4	200	5/28°	1	360	14	430	306	226	1955382	2	8	UEMT49HLP	
UNE	UNEK1116Z	A	RSIR	7,40	5,3	1/4	203	182	1,07	112	151	117	201	260	331	406	-	3/8	1/4	200	5/28°	1	360	14,90	430 480	306 300	226	1955183 1955191	2	8	UNEK1116Z	
	UNEK2116Z	A	CSIR	7,40	10	1/4	197	191	1,37	124	155	163	200	265	341	439	-	3/8	1/4	200	5/28°	1	360	16,50	430	306	226	1955183	2	8	UNEK2116Z	
	UNEK1118Z	A	RSIR	8,40	6,9	1/3	244	185	1,19	141	188	143	251	330	420	522	-	3/8	1/4	200	5/28°	1	360	15,30	430 480	306 300	226	1955183 1955191	2	8	UNEK1118Z	
	UNE2121Z	A	CSIR	9,27	12,6	1/3	308	269	2,00	202	263	203	349	451	566	692	0.6	3/8	1/4	200	5/28°	1	300	17,20	430	306	226	1955183	3	8	UNE2121Z	
	UNE2130Z	A	CSIR	12,12	13,2	1/3	322	279	2,15	216	279	230	379	488	591	719	1,1	3/8	1/4	230	5/28°	1	300	16,5	435	308	254	1955183	3	9	UNE2130Z	
	UNE2134Z	A	CSIR	14,30	17	1/2	387	285	2,25	226	304	244	392	506	609	733	1,1	3/8	1/4	254	5/28°	1	595	20	465	340	296	1955287	3	11	UNE2134Z	
	UNEK2140Z	A	CSIR	16,80	19	1/2+	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	1,1	3/8	1/4	254	5/28°	1	595	20	465	340	296	1955287	3	11	UNEK2140Z

NOTES: Expansive device C except UNEK2116Z and UNE2121Z. It is C-V. Application range in 43°C (-30 to -5)

R134a

HBP 50 Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C EN13215: Ambient 32°C Return Gas 20°C							Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model	
				cm³	A		Rated 7.2			-15	-10	-5	0	Rated 5		10		Litre	Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans		Air Flow Rate	A	B	C	Drawing Number	No. of Rows		No. of Tubes
							W	W inP	Current (A)					W	W																	
UEMT	UEMT37HDP	A	RSIR	3,97	5,4	1/8	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	-	3/8	1/4	200	5/28°	1	300	13,5	430	308	226	1955427	3	8	UEMT37HDP	
	UEMT45HDR	A	CSIR	3,97	8,8	1/7	UD	UD	UD	UD	UD	UD	UD	428	172	UD	-	3/8	1/4	200	5/28°	1	300	13,8	430	308	226	1955427	2	8	UEMT45HDR	
	UEMT50HDP	A	RSIR	4,50	9,1	1/6	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD	0,6	3/8	1/4	200	5/28°	1	300	13,8	430	308	226	1955427	3	8	UEMT50HDP	
	UEMT6144Z	A	RSIR	5,20	8,5	1/5	573	235	1,48	221	280	349	431	523	205	625	0,6	3/8	1/4	200	5/28°	1	300	15,2	430	308	226	1955427	3	8	UEMT6144Z	
	UEMT6160Z	A	CSIR	6,76	9,8	1/4	758	314	1,87	297	373	465	571	571	301	750	1,1	3/8	1/4	230	5/31°	1	420	15,5	435	308	254	1955428	3	9	UEMT6160Z	
	UEMT6170Z	A	CSIR	7,69	10,4	1/3	820	366	2,13	318	402	502	617	749	340	893	1,1	3/8	1/4	230	5/31°	1	420	15,5	435	308	254	1955428	3	9	UEMT6170Z	
UNE	UNEK6187Z	A	CSIR	10,00	16,1	1/3	958	418	2,86	359	457	574	711	870	375	1043	1,1	3/8	1/4	254	5/28°	1	320	21	465	340	296	1955287 1955184	3	11	UNEK6187Z	
	UNEK6210Z	A	CSIR	12,12	19,5	1/3+	1228	497	2,9	466	581	704	835	975	532	1123	1,1	3/8	1/4	254	5/28°	1	595	21,7	465	340	296	1955287 1955184	3	11	UNEK6210Z	
	UNEK6212Z	A	CSIR	14,30	19,5	1/2+	1448	730	3,95	539	664	807	969	1149	604	1348	1,1	3/8	1/4	254	5/28°	1	595	21,5	465	340	296	1955287 1955184	3	11	UNEK6212Z	
		B	CSR		22,5	1/2+	1456	698	3,86	517	637	795	1001	1222	593	1421	1	3/8	1/4	254	5/28°	1	660	21,7				1955287 1955184	3	11		
	UNEK6214Z	A	CSIR	16,80	25,5	1/2+	1492	753	5,17	609	756	918	1095	1287	751	1493	1	3/8	1/4	254	5/28°	1	595	21,7	465	340	296	1955287 1955184	3	11	UNEK6214Z	
	UNT	UNT6215Z	N	CSIR	17,4	21	1/2+	1483	593	5,52	682	860	1056	1272	1507	678	1761	1,2	3/8	1/4	254	5/28°	1	740	28,2	465	340	296	1955400	3	11	UNT6215Z
UNT6217Z		A	CSR	20,4	25	3/4	1781	745	5,65	773	953	1171	1426	1718	835	2048	2,3	1/2	3/8	275	5/31°	1	640	30,1	470	395	324	1955401	3	12	UNT6217Z	
UNT6220Z		N	CSR	20,4	29	3/4	1970	960	5,99	910	1148	1413	1704	2020	834	2364	2,3	1/2	3/8	275	5/31°	1	640	33,5	470	395	324	1955413	3	12	UNT6220Z	
UNTU6224Z		A	CSR	27,8	UD	UD	UD	UD	UD	UD	UD	UD	UD	2670	923	UD	2,3	1/2	3/8	275	5/31°	1	640	UD	UD	UD	UD	UD	3	12	UNTU6224Z	
UNJ	UNJ6220Z	A	CSIR	26,1	35	4/5	2338	1080	6,79	880	1135	1433	1773	2156	1029	2582	2,3	1/2	3/8	275	5/31°	1	640	36,9	481	409	324	1955186	3	12	UNJ6220Z	
	UNJ6226Z	A	CSR	34,4	31	1+	3006	1355	6,75	1217	1531	1896	2312	2759	1136	3244	2,3	5/8	3/8	275	5/31°	1	640	37,5	481	409	324	1955186	3	12	UNJ6226Z	
	UNJ6220ZX	M	3 Ph	26,1	10	4/5	2285	1004	2,28	1015	1259	1534	1838	2330	986	2538	2,3	1/2	3/8	275	5/31°	1	640	35,4	481	409	324	1955186	3	12	UNJ6220ZX	
	UNJ6226ZX	M	3 Ph	34,4	13	1	2796	1293	2,4	1217	1531	1896	2312	2759	1131	3244	2,3	5/8	3/8	275	5/31°	1	640	36,5	481	409	324	1955186	3	12	UNJ6226ZX	

NOTES: Expansive device (C-V). Application range in 43°C (-15 to +10) UD - Under Development

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Refere- nce)	Overall Dimensions				Condenser		Model		
				cm³			-15	-10	-5	0	Rated 7,2			10		Litre	Suction	Liquid	O.D. mm	No. & Angle of Blades	No. of Fans		Air Flow Rate m³/h	kg	A mm	B mm	C mm	Drawing Number		No. of Rows	No. of Tubes
							W	W	W	W	W	W inP	Current (A)	W			inch	inch													
UNE	UNEK6170Z	G	CSIR	8,40	28,5	1/4	431	453	557	683	767	382	5,31	1121	1	3/8	1/4	230	5/31°	1	480	17,4	435	306	254	1955183	3	9	UNEK6170Z		
	UNEK6187Z	D	CSIR	10,00	17,3	1/3+	571	717	878	1051	1231	577	3,21	1429	1	3/8	1/4	254	5/28°	1	660	16	467	339	296	1955287	3	11	UNEK6187Z		
	UNEK6187Z	G	CSIR	10,00	29	1/3+	571	717	878	1051	1231	577	6,81	1429	1	3/8	1/4	254	5/28°	1	660	20,6	467	339	296	1955287	3	11	UNEK6187Z		
	UNEK6210Z	G	CSIR	12,12	37	1/3+	580	739	911	1098	1300	559	6,48	1515	1	3/8	1/4	254	5/28°	1	660	21,7	467	339	296	1955287	3	11	UNEK6210Z		
	UNEK6212Z	G	CSIR	14,30	40	1/2	UD	UD	UD	UD	1574	UD	UD	UD	1	3/8	1/4	254	5/28°	1	660	20,0	467	339	296	1955287	3	11	UNEK6212Z		
	UNEK6212Z	B	CSR	14,30	22,5	1/2	UD	UD	UD	UD	1574	UD	UD	UD	1	3/8	1/4	254	5/28°	1	660	23	467	339	296	1955287	3	11	UNEK6212Z		
	UNEK6214Z	D	CSIR	16,80	30	1/2+	UD	UD	UD	UD	1769	UD	UD	UD	1,3	3/8	1/4	254	5/28°	1	930	21,4	467	339	296	1955287	3	11	UNEK6214Z		
	UNEK6214Z	G	CSR	16,80	48	1/2+	UD	UD	UD	UD	1769	UD	UD	UD	1,3	3/8	1/4	254	5/28°	1	930	22,3	467	339	296	1955287	3	11	UNEK6214Z		
UNT	UNT6215Z	D	CSIR	17,4	20,8	1/2+	842	1051	1284	1531	1793	847	5,23	2075	1,3	3/8	1/4	254	5/28°	1	930	27,2	4651	340	296	1955400	3	11	UNT6215Z		
	UNT6215Z	G	CSIR	17,4	44	1/2+	852	1064	1293	1540	1805	776	8,69	2088	1,3	3/8	1/4	254	5/28°	1	930	27,2	465	340	296	1955400	3	11	UNT6215Z		
	UNT6217Z	G	CSR	20,4	45	3/4	988	1239	1505	1822	2261	1021	11,4	2503	2,3	1/2	3/8	275	5/31°	1	720	33,5	470	395	324	1955401	3	12	UNT6217Z		
	UNT6217Z	D	CSIR	20,4	31	3/4	988	1239	1505	1822	2261	930	5,6	2503	2,3	1/2	3/8	275	5/31°	1	720	33,5	470	395	324	1955410	3	12	UNT6217Z		
UNJ	UNJ6220Z	D	CSIR	26,2	42	1	1163	1470	1790	2156	2520	1124	7,18	2912	2,3	1/2	3/8	275	5/31°	1	720	34,7	481	409	324	1955186	3	12	UNJ6220Z		
	UNJ6220Z	G	CSIR	26,2	72	1	1163	1470	1790	2156	2520	1153	12,69	2912	2,3	1/2	3/8	275	5/31°	1	720	34,7	481	409	324	1955186	3	12	UNJ6220Z		
	UNJ6226Z	D	CSR	34,4	40	1+	1390	1740	2100	2466	2840	1344	6,67	3323	2,3	5/8	3/8	275	5/31°	1	720	37,5	481	409	324	1955186	3	12	UNJ6226Z		

NOTES: Expansive device (C-V) Application range 43°C (-15 to +10) - UD - Under Development

R404A / R507
LBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement cm³	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume Litre	Valves Tube Line O.D.		Fan				Weight (Only Refer- ence) kg	Overall Dimensions				Condenser		Model	
							Rated -23,3			-40	Rated -35			-30	-25	-20	-15		-10	Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans		Air Flow Rate	A	B	C	Drawing Number	No. of Rows		No. of Tubes
							W	W inP	Current (A)	W	W	W inP	W	W	W	W	W		inch	inch	mm		No. of Fans	m³/h		mm	mm	mm					
UEMT	UEMT2117GK	A	CSIR	4,50	7,7	1/4	UD	UD	UD	UD	145	144	UD	UD	UD	UD	UD	0,6	3/8	1/4	200	5/28°	1	300	17,1	430	308	226	1955427	3	8	UEMT2117GK	
	UEMT2125GK	A	CSIR	5,96	9,8	1/2-	362	265	1,72	129	171	192	225	289	366	461	570	1,1	3/8	1/4	230	5/31°	1	420	15,4	435	308	254	1955428	3	9	UEMT2125GK	
	UEMT2130GK	A	CSIR	6,76	12,4	1/2	UD	UD	UD	UD	199	234	UD	UD	UD	UD	UD	1,1	3/8	1/4	230	5/31°	1	420	15,4	435	308	254	1955428	3	9	UEMT2130GK	
UNE	UNEK2125GK	A	CSIR	6,20	12,4	1/2	410	342	2,48	143	185	205	236	296	364	441	527	1,1	3/8	1/4	230	5/31°	1	420	17,4	435	306	254	1955183	3	9	UNEK2125GK	
	UNEK2134GK	A	CSIR	8,78	16,1	1/2+	490	342	2,77	180	216	229	315	401	476	576	687	1,1 1,1	3/8	1/4	254	5/28°	1	595	20,0	465	340	296	1955287 1955184	3	11	UNEK2134GK	
	UNEK2150GK	A	CSIR	12,12	19,5	3/4	639	530	3,52	270	322	340	392	481	589	725	880	1,1 1,1	3/8	1/4	254	5/28°	1	595	21,6	465	340	296	1955287 1955184	3	11	UNEK2150GK	
	UNEK2168GK	A	CSIR	14,30	18,5	1+	735	617	3,92	261	367	384	484	643	825	994	1153	1,1 1,1	3/8	1/4	254	5/28°	1	460	23,8	491	340	296	1955287 1955184	4	11	UNEK2168GK	
UNT	UNT2168GK	A	CSR	14,5	25,5	1+	832	655	2,92	264	367	375	492	645	810	1013	1246	1,1	3/8	1/4	254	5/28°	1	460	26,8	476	340	296	1955404	4	11	UNT2168GK	
	UNT2178GK	A	CSIR	17,4	25	1 1/4-	891	655	4,39	334	453	458	587	735	897	1073	1263	1,2	3/8	1/4	254	5/28°	1	460	27,5	476	340	296	1955404	4	11	UNT2178GK	
	UNT2180GK	A	CSIR	20,4	34,5	1 1/4	973	701	4,2	403	513	535	653	831	1012	1232	1471	1,2	3/8	1/4	254	5/28°	1	460	28,6	476	340	296	1955404	4	11	UNT2180GK	
	UNT2192GK **	A	CSR	22,4	34,5	1 1/2	1113	842	5,5	394	523	581	691	896	1142	1443	1787	2,3	3/8	1/4	275	5/31°	1	800	36,2	470	395	324	1955401	3	12	UNT2192GK	
	UNT2212GK **	A	CSR	27,8	33	2-	1443	991	5,25	515	669	702	873	1130	1438	1820	2258	2,3	1/2	3/8	275	5/31°	1	800	34,6	470	395	324	1955401	3	12	UNT2212GK	
UNJ	UNJ2192GK	A	CSR	26,1	26	1 1/2	1198	942	4,75	492	673	724	860	1055	1256	1463	1677	2,3	1/2	3/8	275	5/31°	1	800	37,8	481	409	324	1955186	3	12	UNJ2192GK	
	UNJ2192GS	M	3 Ph	26,1	13,5	1 1/4+	1081	900	2,28	359	495	533	657	846	1063	1320	1605	2,3	1/2	3/8	275	5/31°	1	800	36,2	481	409	324	1955387	3	12	UNJ2192GS	
	UNJ2212GK	A	CSR	34,4	36	2	1599	1175	6,05	488	717	745	962	1251	1574	1950	2366	2,3	5/8	3/8	275	5/31°	1	800	39,0	481	409	324	1955186	3	12	UNJ2212GK	
	UNJ2212GS	M	3 Ph	34,4	20,6	2+	1599	1479	2,38	488	717	869	962	1251	1574	1950	2366	2,3	5/8	3/8	275	5/31°	1	800	38,2	481	409	324	1955387	3	12	UNJ2212GS	

NOTES: Expansive device (C-V). Application range in 43°C (-40 to -10) UD - Under Development

R404A / R507
LBP 60Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C									Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model
							-40	-35	-30	Rated -23,3		-20	-15	-10	Litre		Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans	Air Flow Rate		A	B	C	Drawing Number	No. of Rows	No. of Tubes	
				cm³	W	W	W	W	W inP	Current (A)	W	W	W	inch		inch	mm			m³/h	kg	mm	mm	mm						
UNE	UNEK2134GK	G	CSIR	8,78	37.5	1/2	235	308	398	502	404	5,3	586	742	872	1,1	3/8	1/4	254	5/28°	1	595	17,9	465	340	296	1955184	3	11	UNEK2134GK
	UNEK2150GK	G	CSIR	12,12	41.5	1/2+	421	490	583	700	508	5,3	815	911	1190	1,1	3/8	1/4	254	5/28°	1	595	20,0	465	340	296	1955184	3	11	UNEK2150GK
UNT	UNT2192GK	D	CSR	22,4	40	1+	756	825	922	1039	780	3,9	1086	1333	1507	2,3	3/8	1/4	275	5/31°	1	800	32,1	470	395	324	1955401	3	12	UNT2192GK
	UNT2192GK	G	CSIR	22,4	56	1+	756	825	922	1039	927	-	1086	1333	1507	2,3	3/8	1/4	275	5/31°	1	800	36,2	470	395	324	1955401	3	12	UNT2192GK
	UNT2212GK	G	CSR	27,8	81	2 1/4	720	983	1281	1614	1358	13,31	1981	2382	2818	2,3	1/2	3/8	275	5/31°	1	800	33,8	470	395	324	1955401	3	12	UNT2212GK
	UNT2212GK	D	CSR	27,8	45	2 1/4	720	983	1281	1614	1090	5,37	1981	2382	2818	2,3	1/2	3/8	275	5/31°	1	980	34,7	470	395	324	1955401	3	12	UNT2212GK
UNJ	UNJ2192GK	D	CSR	26,2	40	1 1/2+	530	715	930	1170	944	4,58	1442	1742	2067	2,3	1/2	3/8	275	5/31°	1	720	36,2	481	409	324	1955186	3	12	UNJ2192GK
	UNJ2212GK	D	CSR	34,4	46	2 1/4+	721	1037	1360	1730	1124	5,31	2136	2571	3048	2,3	5/8	3/8	275	5/31°	1	720	38,3	481	409	324	1955186	3	12	UNJ2212GK

NOTES: Expansive device (C-V) Application range 43°C (-40 to -10)

R404A / R507
M/HBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Refer- ence)	Overall Dimensions				Condenser		Model
				cm³			Rated 7,2			-20	-15	-10	-5	0	Rated 5				10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades		No. of Fans	Air Flow Rate	kg	A	B	C	
							W	W inP	Current (A)	W	W	W	W	W	W inP	W		inch	inch	mm		No. of Fans	m³/h		mm	mm	mm					
UEMT	UEMT6144GK	A	CSIR	3,97	7,7	1/5	649	296	1,68	266	323	385	452	519	599	279	680	0,6	3/8	1/4	200	5/28°	1	300	17,1	430	308	226	1955427	3	8	UEMT6144GK
	UEMT6152GK	A	CSIR	4,50	8,5	1/4	676	581	1,94	259	326	395	470	549	631	308	716	0,6	3/8	1/4	200	5/28°	1	300	13,3	430	308	226	1955427	3	8	UEMT6152GK
	UEMT6165GK	A	CSIR	5,20	10,4	1/4	858	407	2,32	310	395	477	583	697	799	353	908	1,1	3/8	1/4	200	5/28°	1	420	16,5	435	308	254	1955428	3	9	UEMT6165GK
UNE	UNEK6165GK	A	CSIR	6,20	12,4	1/3	UD	UD	UD	UD	UD	UD	UD	UD	923	398	UD	1,1	3/8	1/4	200	5/28°	1	420	16,5	435	308	254	1955183	3	9	UNEK6165GK
	UNEK6181GK	A	CSIR	7,28	12	1/2-	1252	620	2,7	368	470	585	715	860	1020	498	1130	1,1	3/8	1/4	254	5/28°	1	595	21	467 465	339 340	296	1955287 1955184	3	11	UNEK6181GK
	UNEK6210GK	A	CSIR	8,78	16,1	1/2	1302	628	3,91	514	621	742	877	1026	1188	615	1365	1,1	3/8	1/4	254	5/28°	1	595	21,4	467 465	339 340	296	1955287 1955184	3	11	UNEK6210GK
	UNEK6213GK	A	CSIR	12,12	19,3	1/2+	1531	1074	5,97	633	802	966	1130	1292	1439	899	1787	1,1	3/8	1/4	254	5/28°	1	595	22,6	467 465	339 340	296	1955287 1955184	3	11	UNEK6213GK
	UNE9213GK	A	CSR	12,12	14,1	1/2+	1502	843	3,92	UD	UD	UD	UD	UD	UD	UD	UD	1,1	3/8	1/4	254	5/28°	1	595	22,6	467 465	339 340	296	1955287 1955184	3	11	UNE9213GK
	UNEK6217GK	A	CSR	14,30	21,5	3/4	1946	799	4,1	827	1010	1205	1412	1630	1859	952	2100	2,3	1/2	3/8	275	5/31°	1	640	28,5	470	395	324	1955411	3	12	UNEK6217GK
	UNT6217GK	A	CSIR	12,5	23	3/4	1912	882	5,3	697	873	1063	1268	1487	1720	777	1968	2,3	1/2	3/8	275	5/31°	1	640	31,8	470	395	324	1955410	3	12	UNT6217GK
UNT	UNT6220GK **	N	CSR	14,5	29,5	3/4+	2124	1095	5,15	830	1046	1269	1495	1733	1975	913	2223	2,3	1/2	3/8	275	5/31°	1	640	35,1	470	395	324	1955401	3	12	UNT6220GK
	UNT6222GK **	A	CSR	17,4	30	1-	2390	1225	6,25	989	1221	1468	1729	2006	2297	1105	2603	2,3	1/2	3/8	275	5/31°	1	640	31,3	470	395	324	1955401	3	12	UNT6222GK
	UNT6224GK	A	CSR	20,4	29	1	UD	UD	UD	UD	UD	UD	UD	UD	2658	1258	UD	2,3	1/2	3/8	275	5/31°	1	640	31,3	470	395	324	1955401	3	12	UNT6224GK
	UNT6226GK **	A	CSR	22,4	38	1+	3016	1500	7,27	1091	1391	1706	2048	2414	2808	1387	3210	2,3	1/2	3/8	300	5/28°	1	700	36,4	485	405	372	1955402	3	14	UNT6226GK
UNJ	UNJ9226GK	V	CSR	21,7	27,5	1+	3141	1403	6,7	1047	1364	1701	2071	2473	2909	1250	3360	2,3	5/8	3/8	300	5/28°	1	700	39,2	482	410	372	1955388	3	14	UNJ9226GK
	UNJ9226GS	M	3 Ph	21,7	10	1	2720	1300	2,78	883	1107	1339	1580	1831	2091	1535	2360	2,3	5/8	3/8	300	5/28°	1	700	36,9	482	410	372	1955387	3	14	UNJ9226GS
	UNJ9232GK	A	CSR	26,1	43	1 1/4	3474	1728	8,12	1340	1656	1995	2359	2742	3149	1386	3696	3,9	5/8	1/2	300	***	1	1450	46,1	600	440	372	1955407	3	14	UNJ9232GK
	UNJ9232GS	M	3 Ph	26,1	13	1 1/4	3365	1685	3,35	1265	1646	2015	2376	2751	3124	1443	3523	3,9	5/8	1/2	300	***	1	1450	43,8	600	440	372	1955406	3	14	UNJ9232GS
	UNJ9238GK	V	CSR	32,7	43	1 1/2+	4104	2221	10,01	1507	1905	2325	2942	3282	3819	2116	4372	3,9	5/8	1/2	300	***	1	1300	46,8	600	440	372	1955407	4	14	UNJ9238GK
	UNJ9238GS	M	3 Ph	32,7	22	1 1/2+	4419	2332	4,49	1614	2012	2438	2920	3477	4012	1737	4532	3,9	5/8	1/2	300	***	1	1300	42	600	440	372	1955406	4	14	UNJ9238GS

NOTES: Expansive device (C-V). Application range in 43°C (-20 to -0) UD - Under Development

** Available also in CSIR execution and assembly group 1955413 *** Axial fan

R404A / R507
M/HBP 60Hz

SERIES	MODEL	ELECTRICAL VERSION	MOTOR TYPE	DISPLACEMENT	LRA	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - ASHRAE AMBIENT 32°C MAX. SUBCOOLING 3°C EVAPORATOR OUTLET AND GAS RETURN 32°C								RECEIVER VOLUME	VALVES TUBE LINE O.D.			FAN				WEIGHT (ONLY REFE- RENCE)	OVERALL DIMENSIONS				Condenser		MODEL
				cm³			-20	-15	-10	RATED -5	0	RATED 7,2			10	LITRE	SUCTION	LIQUID	O.D.	No. & ANGLE OF BLADES	No. OF FANS	AIR FLOW RATE	kg	A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES	
UNE	UNEK6144GK	G	CSIR	4,52	26	1/4	299	366	436	511	592	676	376	4,57	766	0,5	3/8	1/4	200	5/28°	1	340	17,4	431	306	226	1955183	3	8	UNEK6144GK
	UNEK6210GK	D	CSIR	8,78	23	1/3+	470	557	663	786	928	1087	679	4,21	1265	1,3	3/8	1/4	254	5/28°	1	595	22,7	465	340	296	1955287	3	11	UNEK6210GK
	UNEK6210GK	G	CSIR	8,78	38	1/3+	470	557	663	786	928	1087	642	7,23	1265	1,3	3/8	1/4	254	5/28°	1	595	22,7	465	340	296	1955287	3	11	UNEK6210GK
	UNEK6213GK	D	CSIR	12,12	30	1/2+	626	785	945	1106	1267	1430	917	5,77	1756	1,3	3/8	1/4	254	5/28°	1	595	22,3	465	340	296	1955287	3	11	UNEK6213GK
	UNEK6213GK	G	CSIR	12,12	51	1/2+	626	785	945	1106	1267	1430	972	11,42	1756	1,3	3/8	1/4	254	5/28°	1	595	20,8	465	340	296	1955287	3	11	UNEK6213GK
UNT	UNT6220GK	G	CSR	14,5	54,5	3/4	793	1024	1262	1506	1754	2009	1079	11,48	2268	2,3	1/2	3/8	275	5/31°	1	640	31,0	470	395	324	1955401	3	12	UNT6220GK
UNJ	UNJ9226GK	D	CSR	21,7	37	1+	1522	1745	2077	2338	2890	3508	1611	7,82	4194	2,3	5/8	3/8	300	5/28°	1	700	37,5	512	410	390	1955195	4	14	UNJ9226GK

NOTES: Expansive device (C-V). Application range in 43°C (-15 to +10)

R290
LBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model	
							cm³	Rated -23,3			-40	Rated -35		-30	-25	-20	-15		-10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades		No. of Fans	Air Flow Rate	A	B	C	Drawing Number		No. of Rows
				W				W inP	Current (A)	W		W	W inP																				
UNE	UEMT2121U	A	CSIR	5,57	7,7	1/3	UD	UD	UD	125	160	169	203	249	302	365	423	0,6	3/8	1/4	200	5/28°	1	420	16,60	435	306	254	1955428	3	8	UEMT2121U	
	UNEK2121U	A	CSIR	6,2	12,4	1/3	UD	UD	UD	UD	162	175	UD	UD	UD	UD	UD	0,6	3/8	1/4	200	5/28°	1	420	16,60	435	306	254	1955183	3	8	UNEK2121U	
	UNEK2125U	A	CSIR	7,3	12,4	1/2-	UD	UD	UD	UD	185	197	UD	UD	UD	UD	UD	0,6	3/8	1/4	230	5/31°	1	420	16,80	435	306	254	1955183	3	9	UNEK2125U	
	UNEK2134U	A	CSIR	10,0	13,1	1/2+	UD	UD	UD	UD	288	285	UD	UD	UD	UD	UD	1,1	3/8	1/4	254	5/28°	1	595	18,60	465	340	296	1955184	3	11	UNEK2134U	
	UNEK2150U	A	CSIR	13,5	19,5	1/2+	UD	UD	UD	UD	315	343	UD	UD	UD	UD	UD	1,1	3/8	1/4	254	5/28°	1	800	21,6	465	340	296	1955184	3	11	UNEK2150U	
	UNEK2160U	A	CSR	16,8	18	3/4	UD	UD	UD	UD	365	387	UD	UD	UD	UD	UD	1,1	3/8	1/4	254	5/28°	1	595	21,6	465	340	296	1955184	3	11	UNEK2160U	
UNJ	UNT2210U	A	CSR	27,8	33	1/4	UD	UD	UD	UD	720	687	UD	UD	UD	UD	UD	2,3	3/8	1/4	275	5/31°	1	800	16,8	470	395	324	1955401	3	12	UNT2210U	

NOTES: Expansive device (C-V). Application range in 43°C (-40 to -10) UD - Under Development fan is according EN60335-2-8 and EN 60079-15

R290
MBP 50Hz

SERIES	MODEL	ELECTRICAL VERSION	MOTOR TYPE	DISPLACEMENT	LRA	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - ASHRAE AMBIENT 32°C MAX. SUBCOOLING 3°C EVAPORATOR OUTLET AND GAS RETURN 32°C			PERFORMANCE / EVAPORATING TEMPERATURE °C - EN13215: AMBIENT 32°C RETURN GAS 20°C								RECEIVER VOLUME	VALVES TUBE LINE O.D.		FAN (according EN60335-2-8 and EN 60079-15)				WEIGHT (ONLY REFE- RENCE)	OVERALL DIMENSIONS				Condenser		MODEL		
							RATED 7.2			-20	-15	-10	-5	0	RATED 5		10		LITRE	SUCTION	LIQUID	O.D.	No. & ANGLE OF BLADES	No. OF FANS		AIR FLOW RATE	kg	A	B	C	DRAWING NUMBER		No. OF ROWS	No. OF TUBES
							W	W inp	RLA	W	W	W	W	W	W inp	W	inch			inch	mm							mm	mm	mm				
UNE	UEMT6144U	A	CSIR	4,50	7,7	1/4	644	299	1,51	277	336	400	470	540	623	290	707	0,6	3/8	1/4	200	5/28°	1	300	17,1	430	308	226	1955427	3	8	UEMT6144U		
	UEMT6152U	A	CSIR	5,20	8,5	1/4	688	336	1,73	269	339	411	489	571	656	320	745	1,1	3/8	1/4	200	5/28°	1	300	17,1	430	308	226	1955427	3	8	UEMT6152U		
	UEMT6165U	A	CSIR	6,20	10,4	1/3-	UD	UD	UD	UD	UD	UD	UD	UD	769	345	UD	1,1	3/8	1/4	200	5/28°	1	420	16,5	435	308	254	1955183	3	9	UNEK6165U		
UNT	UNEK6181U	A	CSIR	7,3	12	1/3	835	395	2,54	333	420	509	601	695	791	381	890	1,1	3/8	1/4	200	5/28°	1	300	23,8	467	339	296	1955287	3	11	UNEK6181U		
	UNEK6210U	A	CSIR	8,8	16	1/3	1120	471	3,08	466	559	664	782	911	1053	449	1208	1,1	3/8	1/4	254	5/28°	1	595	23,8	467	339	296	1955287	3	11	UNEK6210U		
	UNEK6213U	A	CSIR	12,1	19,3	1/3+	1328	732	4,6	475	592	723	869	1031	1212	636	1413	1,1	3/8	1/4	254	5/28°	1	595	23,9	467	339	296	1955287	3	11	UNEK6213U		
UNJ	UNT6217U	A	CSIR	14,5	25	1/2+	1694	707	4,56	527	659	821	116	1248	1521	673	1840	2,3	3/8	3/8	275	5/31°	1	640	33,3	470	395	324	1955413	3	12	UNT6217U		
	UNT6220U	A	CSIR	17,4	29	2/3	2115	1000	5,3	786	965	1166	1388	1632	1898	827	2185	2,3	3/8	3/8	275	5/31°	1	640	30,8	470	395	324	1955413	3	12	UNT6220U		
	UNT6222U	A	CSIR	20,4	29	3/4	2294	1194	7,1	861	1049	1243	1442	1647	1858	987	2074	2,3	3/8	3/8	275	5/31°	1	640	31	470	395	324	1955413	3	12	UNT6222U		

NOTES: Expansive device (C-V). Application range in 43°C (-15 to +10) UD - Under Development

SUPERTROPICAL

R404A / R507
LBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model	
							cm³	Rated -23,3			-40	Rated -35		-30	-25	-20	-15		-10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades		No. of Fans	Air Flow Rate	A	B	C	Drawing Number		No. of Rows
				W				W Inp	Current (A)	W	W	W Inp	W	W Inp	W	W	W		inch		inch	mm											
UNJ	UNJ2192GK	A	CSR	26,1	26	1 1/2	1410	1032	5,1	542	742	785	945	1102	1385	1502	1854	2,3	1/2	3/8	275	5/31°	1	1450	38	482	411	372	1955388	3	14	UNJ2192GK	
	UNJ2212GK	A	CSR	34,4	36	2	1758	1288	6,3	573	789	834	1051	1423	1726	2156	2597	2,3	5/8	3/8	275	5/31°	1	1450	39,0	482	411	372	1955388	3	14	UNJ2212GK	

R404A / R507
M/HBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Refer- ence)	Overall Dimensions					Condenser		Model
							cm³	Rated 7,2			-20	-15	-10	-5	0	5			10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades		No. of Fans	Air Flow Rate	A	B	C	Drawing Number	No. of Rows	
				W				W inP	Current (A)	W	W	W	W	W	W inP	W	inch		inch		mm	m³/h											
UEMT	UEMT6165GK	A	CSIR	5,20	10,4	1/4	1020	351	2,2	375	448	530	620	719	840	342	972	1,1	3/8	1/4	254	5/28°	1	595	17	466	343	296	1955461	3	11	UEMT6165GK	
UNE	UNEK6210GK	A	CSIR	8,78	16,1	1/2	1563	733	4,12	541	683	792	921	1084	1248	653	1603	1,1	3/8	1/4	254	5/28°	1	595	22,7	476	399	296	1955462	3	11	UNEK6210GK	
	UNEK6213GK	A	CSIR	12,12	19,3	1/2+	1930	965	5,3	660	856	1035	1208	1369	1512	921	1886	1,1	3/8	1/4	275	5/31°	1	1450	24	476	399	324	1955463	3	12	UNEK6213GK	
UNJ	UNJ9226GK	V	CSR	21,7	27,5	1	3436	1540	7,2	1164	1498	1876	2282	2684	3384	1365	3693	2,3	5/8	3/8	300	-	1	1450	39	600	440	372	1955407	3	14	UNJ9226GK	
	UNJ9232GK	A	CSR	26,1	43	1 1/4	3587	1832	8,6	1435	1787	2206	2482	2757	3976	1466	4012	3,9	5/8	1/2	300	-	1	1300	46	600	440	372	1955407	4	14	UNJ9232GK	
	UNJ9238GK	V	CSR	32,7	43	1 1/2+	4512	2332	11,2	1812	2103	2577	3287	3622	4540	2390	4893	3,9	5/8	1/2	300	-	1	2200	48	600	440	426	1955460	4	16	UNJ9238GK	
	UNJ9238GS	M	CSR	32,7	22	1 1/2+	4863	2543	5,3	1866	2234	2668	3356	3834	4763	1844	4968	3,9	5/8	1/2	300	-	1	2200	48	600	440	426	1955460	4	16	UNJ9238GS	

DOUBLE FAN R404A

R404A / R507
LBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model
				cm³			Rated -23,3			-40	Rated -35			-30	-25	-20	-15		-10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades		No. of Fans	Air Flow Rate	kg	A	B	C	
							W	W inP	Current (A)	W	W	W inP	W	W inP	W	W	W	inch	inch	mm			m³/h		mm	mm	mm					
UNT	UNT2212GK **	A	CSR	27,8	33	2-	1443	991	5,84	515	669	710	873	1130	1438	1820	2258	2,3	1/2	3/8	2x254	5/28°	2	1190	40,0	600	440	321	1955415	3	11	UNT2212GK
UNJ	UNJ2212GK	A	CSR	34,4	36	2	1599	1175	6,14	488	717	745	962	1251	1574	1950	2366	2,3	5/8	3/8	2x254	5/28°	2	1190	40,0	612	440	296	1955312	3	11	UNJ2212GK

R404A / R507
M/HBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model
							Rated 7,2			-20	-15	-10	-5	0	5		10		Litre	Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans		Air Flow Rate	A	B	C	Drawing Number	No. of Rows	
				W			W inP	Current (A)	W	W	W	W	W	W inP	W	inch	inch			mm			m³/h	kg		mm	mm	mm				
UNJ	UNJ9226GS	M	3 Ph	20,7	10	1	2720	1300	3,9	1040	1351	1655	1951	2259	2565	1181	2831	2,3	5/8	3/8	2x254	5/28°	2	1400	43	600	440	296	1955311	4	11	UNJ9226GS
	UNJ9232GK	A	CSR	26,1	43	1 1/4	3474	1719	8,38	1214	1565	1929	2341	2770	3229	1536	3696	2,3	5/8	1/2	2x254	5/28°	2	850	43,3	612	440	296	1955310	3	11	UNJ9232GK
	UNJ9232GS	M	3 Ph	26,1	13	1 1/4	3365	1709	4,4	1265	1646	2015	2376	2751	3124	1416	3523	2,3	5/8	1/2	2x254	5/28°	2	1400	44	785	490	296	1955311	3	11	UNJ9232GS
	UNJ9238GK	V	CSR	32,7	43	1 1/2+	4104	2221	11,19	1507	1905	2325	2942	3282	3819	2094	4372	2,3	5/8	1/2	2x254	5/28°	2	1140	45	785	440	296	1955310	4	11	UNJ9238GK
	UNJ9238GS	M	3 Ph	32,7	22	1 1/2+	4231	2215	5,48	1614	2012	2438	2904	3426	3942	1694	4487	2,3	5/8	1/2	2x254	5/28°	2	1600	45,4	785	490	296	1955311	4	11	UNJ9238GS
	UNJ6226GK**	A	CSR	20,4	38	1+	3016	1500	8,17	1091	1391	1706	2048	2414	2808	1500	3210	2,3	1/2	3/8	2x254	5/28°	2	1190	38,6	785	460	296	1955415	3	11	UNJ6226GK
	UNJ9226GK	V	CSR	20,7	27,5	1+	3141	1403	6,79	1047	1364	1701	2071	2473	2909	1250	3360	2,3	5/8	3/8	2x254	5/28°	2	1190	39,7	785	490	296	1955312	3	11	UNJ9226GK

R404A / R507
M/HBP 60Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C								Receiver Volume	Valves Tube Line O.D.		Fan				Weight (Only Reference)	Overall Dimensions				Condenser		Model	
							-20	-15	-10	-5	0	Rated 5		10		Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans	Air Flow Rate		A	B	C	Drawing Number	No. of Rows	No. of Tubes		
				cm³			W	W	W	W	W	W inP	Current (A)	W																inch
UNJ	UNJ9226GK	CSIR	D	21,7	37	1+	1522	1745	2077	2338	2890	3508	1611	7,82	4194	2,3	5/8	3/8	2x254	5/28°	2	850	39,1	614	440	320	1955318	3	11	UNJ9226GK

SLIDING UNITS

R404A / R507
LBP 50Hz

SERIES	MODEL	ELECTRICAL VERSION	MOTOR TYPE	DISPLACEMENT cm³	LRA	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - ASHRAE AMBIENT 32°C MAX. SUBCOOLING 3°C EVAPORATOR OUTLET AND GAS RETURN 32°C			PERFORMANCE / EVAPORATING TEMPERATURE °C - EN13215: AMBIENT 32°C RETURN GAS 20°C								RECEIVER VOLUME LITRE	VALVES TUBE LINE O.D.		FAN			WEIGHT (ONLY REFE- RENCE) kg	OVERALL DIMENSIONS				CONDENSER		MODEL	SOUND PRES- SURE AT 10m dBA	SOUND POWER dBA
							RATED -23,3			-40	-35	-30	RATED -25		-20	-15	-10								A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES			
							W	W inP	CURRENT (A)	W	W	W	W	W inP	W	W	W		SUCTION	LIQUID	O.D.	No. OF FANS	AIR FLOW RATE m³/h		mm	mm	mm						
UNE	UDNEK2150GK	A	CSIR	12,12	19,5	3/4	535	525	3,6	236	306	387	497	489	578	690	830	1,1	3/8	1/4	250	1	840	65	822	470	480	1955459	3	11	UDNEK2150GK	31,5	59,5
	UDNEK2168GK	A	CSIR	14,30	18,5	1	608	602	4,1	312	399	497	614	560	730	841	930	1,1	3/8	1/4	250	1	840	66	822	470	480	1955459	3	12	UDNEK2168GK	31,6	59,6
UNT	UDNT2180GK	A	CSR	20,4	34,5	1+	809	762	4,7	423	538	668	813	715	973	1147	1336	2,3	1/2	3/8	250	1	840	66	822	470	480	1955459	3	12	UDNT2180GK	32,9	60,9
	UDNT2192GK	A	CSR	22,4	34,5	1 1/2	912	744	3,8	450	598	753	919	753	1088	1269	1456	2,3	1/2	3/8	300	1	1450	75,5	822	470	480	1955459	3	12	UDNT2192GK	33,1	61,1
	UDNT2212GK	A	CSR	27,8	33	2-	1125	955	4,8	556	725	915	1134	978	1355	1606	1873	2,3	1/2	3/8	300	1	1450	75,5	822	470	480	1955459	3	14	UDNT2212GK	33,1	61,1
UNJ	UDNJ2212GK	A	CSR	34,4	36	2	1315	1210	5,9	617	849	1085	1339	1220	1565	1810	2057	2,3	1/2	3/8	300	1	1450	76	822	470	480	1955459	3	14	UDNJ2212GK	36,3	64,3

R404A / R507
M/HBP 50Hz

SERIES	MODEL	ELECTRICAL VERSION	MOTOR TYPE	DISPLACEMENT cm³	LRA	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - ASHRAE AMBIENT 32°C MAX. SUBCOOLING 3°C EVAPORATOR OUTLET AND GAS RETURN 32°C			PERFORMANCE / EVAPORATING TEMPERATURE °C - EN13215: AMBIENT 32°C RETURN GAS 20°C								RECEIVER VOLUME LITRE	VALVES TUBE LINE O.D.		FAN			WEIGHT (ONLY REFE- RENCE) kg	OVERALL DIMENSIONS				CONDENSER		MODEL	SOUND PRES- SURE AT 10m dBA	SOUND POWER dBA
							RATED 7,2			-20	-15	-10	-5	0	RATED 5		10								A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES			
							W	W inP	CURRENT (A)	W	W	W	W	W	W	W inP	W		SUCTION	LIQUID	O.D.	No. OF FANS	AIR FLOW RATE m³/h		mm	mm	mm						
UNE	UDNEK6210GK	A	CSIR	8,78	16,1	1/2	1123	662	3,7	521	640	704	883	1006	1131	641	1258	1,1	3/8	1/4	250	1	840	65	822	470	480	1955459	3	11	UDNEK6210GK	31,9	59,9
	UDNEK6213GK	A	CSIR	12,12	19,3	1/2+	1490	823	4,4	720	814	907	1035	1187	1378	901	1594	1,1	3/8	1/4	250	1	840	66	822	470	480	1955459	3	12	UDNEK6213GK	32,2	60,2
	UDNEK6217GK	A	CSR	14,30	21,5	3/4	1671	1214	5,8	796	994	1184	1317	1443	1583	1010	1723	2,3	1/2	3/8	250	1	840	67	822	470	480	1955459	3	12	UDNEK6217GK	33,8	61,8
UNT	UDNT6222GK	A	CSR	17,4	30	1-	2052	1240	6,2	1178	1358	1470	1690	1842	1986	2068	2106	2,3	1/2	3/8	250	1	840	75,5	822	470	480	1955459	3	12	UDNT6222GK	34,0	62
	UDNT6226GK	A	CSR	22,4	39	1+	2593	1563	7,3	1183	1429	1614	1933	2191	2454	1449	2720	2,3	1/2	3/8	300	1	1450	75,5	822	470	480	1955459	3	14	UDNT6226GK	35,1	63,1
UNJ	UDNJ9232GK	A	CSR	26,1	43	1 1/4	3005	2086	9,8	1406	1745	2115	2342	2601	2834	1725	3076	2,3	1/2	3/8	300	1	1450	82	822	470	480	1955459	3	14	UDNJ9232GK	40,0	68
	UDNJ9238GK	V	CSR	32,7	43	1 1/2 +	3820	2478	11,31	1657	2044	2422	2791	3153	3506	2246	3851	2,3	1/2	3/8	300	1	1300	82,5	822	470	480	1955459	4	14	UDNJ9238GK	40,7	68,7

R134a
HBP 50 Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C						Receiver Volume	Valves Tube Line O.D.		Fan		Weight (Only Reference)	Overall Dimensions				Condenser		Model	Sound Pressure At 10m dBA	Sound Power dBA	
																															cm³
				Rated 7,2			-15	-10	-5	0	5		10	Litre	Suction		Liquid	O.D.	Air Flow Rate	kg		A	B	C	Drawing Number	No. of Rows	No. of Tubes				
							W	W inP	Current (A)	W	W	W	W inP	W	W inP	W	inch	inch	mm	m³/h		mm	mm	mm							
UNE	UDNEK6210Z	A	CSIR	12,12	19,5	1/3+	1150	522	3,05	479	597	729	875	1036,00	491,00	1212	1,1	3/8	1/4	250	840	65	822	470	480	1955459	3	11	UDNEK6210Z	31,9	59,9
	UDNEK6212Z	A	CSIR	14,30	19,5	1/2	1342	652	3,88	545	662	883	968	1280,00	525,00	1327	1,1	3/8	1/4	250	840	66	822	470	480	1955459	3	11	UDNEK6212Z	32,2	60,2
	UDNEK6214Z	A	CSIR	16,80	21,2	1/2+	1439	776	5,06	610	758	931	1098	1374,00	698,00	1541	1,1	3/8	1/4	250	840	66	822	470	480	1955459	3	12	UDNEK6214Z	33,8	61,8
UNT	UDNT6215Z	N	CSIR	17,4	21	1/2+	1566	741	4,4	657	820	1001	1200	1416	658,00	1641	2,3	3/8	1/4	250	840	69	822	470	480	1955459	3	12	UDNT6215Z	33,8	61,8
	UDNT6217Z	A	CSR	20,4	25	3/4+	1798	779	5,41	774	956	1166	1406	1647	728,00	1872	2,3	1/2	3/8	250	840	75,5	822	470	480	1955459	3	12	UDNT6217Z	33,8	61,8
UNJ	UDNJ6220Z	A	CSR	26,1	35	1	2312	1083	6,37	963	1226	1512	1832	2158	1032,00	2516	2,3	1/2	3/8	250	840	75,5	822	470	480	1955459	3	12	UDNJ6220Z	34	62
	UDNJ6226Z	A	CSR	34,4	31	1 1/4	2983	1360	6,8	1286	1593	1928	2296	2704	1136,00	3157	2,3	1/2	3/8	300	1450	82	822	470	480	1955459	3	14	UDNJ6226Z	35,1	63,1

GEMINI

R404A

LBP 50Hz

embraco

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Fan Motor				Weight (Only Reference)	Overall Dimensions			Drawing Number	Condenser		Model			
							cm³	A	Rated -23,3			-40	Rated -35		-30	-25	-20		-15	-10	Litre	Suction	Liquid	O.D.	No. & Angle of Blades	No. of Fans	Air Flow Rate	Rated Output		Rated Input	Rated Input	kg		L	W		H	No. of Rows	No. of Tubes
									W	W inP	RLA		W	W																									
UGNT	UGNT2180GK	A	CSR	2x20,44	2x34,5	2	2135	1708	7	713	987	1012	1318	1682	2164	2768	3446	2,3	1/2	3/8	254	5/28°	2	1325	2x16	2x60	2x0,42	80	850	530	293	1955451	4	11	UGNT2180GJ				
	UGNJ2192GK	A	CSR	2x26,11	2x26	2 1/4	2396	1884	8,62	718	990	1065	1315	1839	2367	2993	3687	2,3	1/2	3/8	254	5/28°	2	1325	2x16	2x60	2x0,42	75	1093	551	311	1955339	4	11	UGNJ2192GK				
UGNJ	UGNJ2192GS	M	3 Ph	2x26,11	2x13,5	2 1/4	2162	1800	4,2	718	990	1088	1315	1691	2126	2640	3209	2,3	1/2	3/8	254	5/28°	2	1700	2x34	2x100	2x0,38	85	1093	551	311	1955339	4	11	UGNJ2192GS				
	UGNJ2212GK	A	CSR	2x34,38	2x36	2 3/4	3198	2350	12,2	976	1434	1496	1924	2502	3148	3900	4732	2,3	1/2	3/8	254	5/28°	2	1325	2x16	2x60	2x0,42	82	1093	551	311	1955339	4	11	UGNJ2212GK				
	UGNJ2212GS	M	3 Ph	2x34,38	2x20,6	2 3/4	3198	2958	4,6	976	1434	1523	1924	2502	3148	3900	4732	2,3	1/2	3/8	254	5/28°	2	1700	2x34	2x100	2x0,38	80	1093	551	311	1955339	4	11	UGNJ2212GS				

R134a

HBP 50 Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Fan Motor				Weight (Only Reference)	Overall Dimensions			Drawing Number	Condenser		Model
							cm³	A	Rated 7,2			-20	-15	-10	-5	0	Rated 5		10	Inch	Inch	O.D.	No. of Blades	No. of Fans	Air Flow Rate m³/h	Rated Output W	Rated Input W	Rated Input A		kg	L	W		H	No. of Rows	
				W	W inP	RLA			W	W	W	W	W	W inP	W	inch	inch	mm	mm										mm		mm	mm	mm	mm		
UGNJ	UGNJ6220ZX	M	3 Ph	2x26,11	2x10	1 1/2	4570	2008	3,2	-	1565	2072	2655	3366	4141	1576	4976	2,3	1/2	3/8	250	7	2	3020		2x100	2x0,2	84	1093	551	311	1955365	4	11	UGNJ6220ZX	
	UGNJ6226ZX	M	3 Ph	2x34,38	2x13	2	6012	2586	4,6	-	2160	2781	3533	4419	5409	2284	6488	2,3	1/2	3/8	250	7	2	3020		2x100	2x0,2	84	1093	551	311	1955365	4	11	UGNJ6226ZX	

R404A

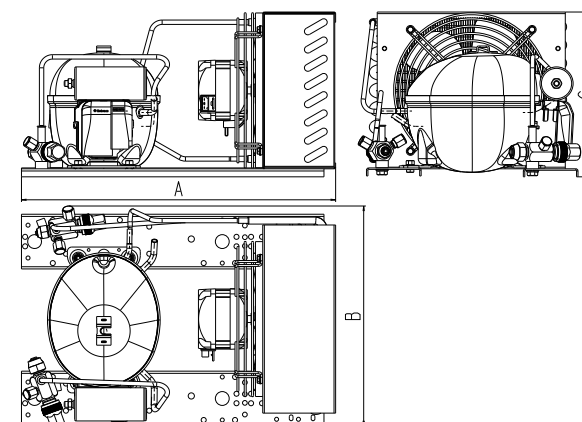
M/HBP 50Hz

Series	Model	Electrical Version	Motor Type	Displacement	LRA	HP	Performance / Evaporating Temperature °C - ASHRAE Ambient 32°C Max. Subcooling 3°C Evaporator Outlet and Gas Return 32°C			Performance / Evaporating Temperature °C - EN13215: Ambient 32°C (90°F) Return Gas 20°C								Receiver Volume	Valves Tube Line O.D.		Fan				Fan Motor				Weight (Only Reference)	Overall Dimensions			Drawing Number	Condenser		Model
							cm³	A	Rated 7,2			-20	-15	-10	-5	0	Rated 5		10	Inch	Liquid	O.D.	No. of Blades	No. of Fans	Air Flow Rate m³/h	Rated Output W	Rated Input W	Rated Input A		L	W	H		No. of Rows	No. of Tubes	
				W	W inp	RLA			W	W	W						W	W											W inp				W			
UGNJ	UGNJ9226GK	V	CSR	2x20,71	2x38	2	6082	2806	12,8	1974	2420	3053	3783	4607	5534	2454	6500	2,3	1/2	3/8	250	7	2	3008		2x115	2x0,51	82	1093	551	311	1955365	4	11	UGNJ9226GK	
	UGNJ9226GS	M	3 Ph	2x20,71	2x10	2	5440	2600	7,8	1793	2397	3005	3636	4318	5029	2362	5662	2,3	1/2	3/8	250	7	2	3020		2x100	2x0,2	72,4	1093	551	311	1955365	4	11	UGNJ9226GS	
	UGNJ9232GK	A	CSR	2x26,11	2x43	2 1/2	6722	3438	16,8	2114	2780	3489	4287	5169	6144	3090	7138	2,3	1/2	3/8	250	7	3	3595		3x115	3x0,51	84,2	1093	551	311	1955367	4	11	UGNJ9232GK	
	UGNJ9232GS	M	3 Ph	2x26,11	2x13	2 1/2	6730	3418	5,6	2180	2920	3660	4428	5259	6125	2832	8538	2,3	1/2	3/8	250	7	3	3660		3x100	3x0,2	81	1093	551	311	1955367	4	11	UGNJ9232GS	
	UGNJ9238GK	V	CSR	2x32,67	2x43	3	8208	4442	20,2	2598	3380	4223	5482	6273	7488	4218	8744	2,3	1/2	3/8	250	7	3	3595		3x115	3x0,51	88	1093	551	311	1955367	4	11	UGNJ9238GK	
	UGNJ9238GS	M	3 Ph	2x32,67	2x22	3	8332	4370	7,2	2701	3616	4533	5482	6512	7657	3414	8538	2,3	1/2	3/8	250	7	3	3595		3x115	3x0,51	87	1093	551	311	1955367	4	11	UGNJ9238GK	

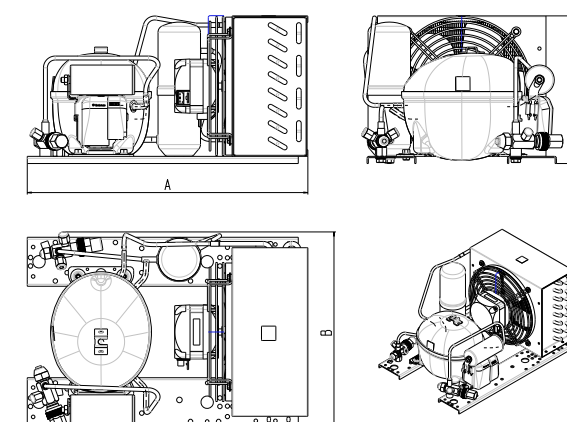
NOTES: Expansive device (C-V).

External Views
UEMT

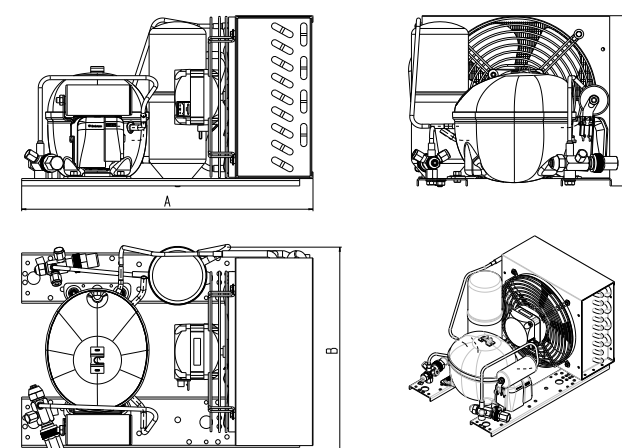
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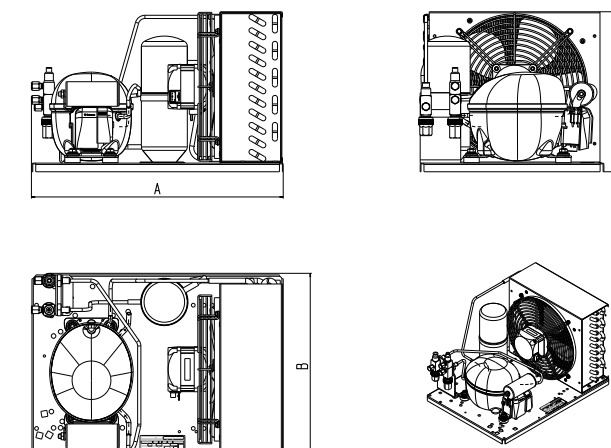
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N° 1955428



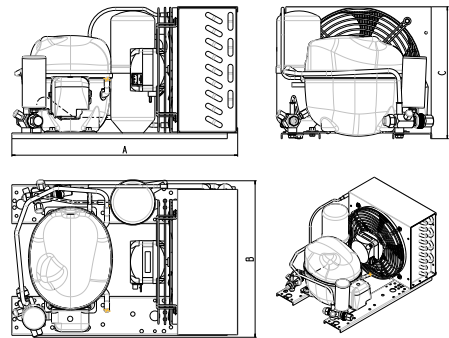
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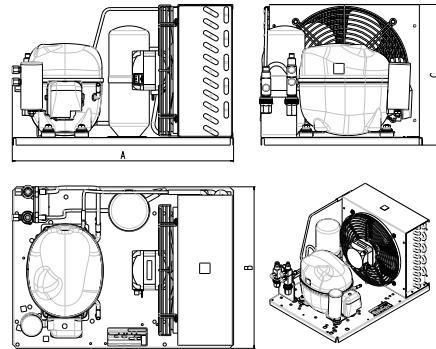
EXTERNAL VIEW AND WIRING DIAGRAMS

External Views UNE/UNEK

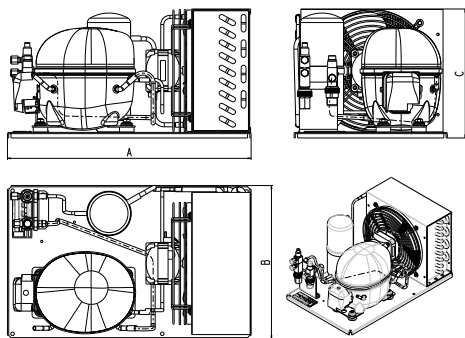
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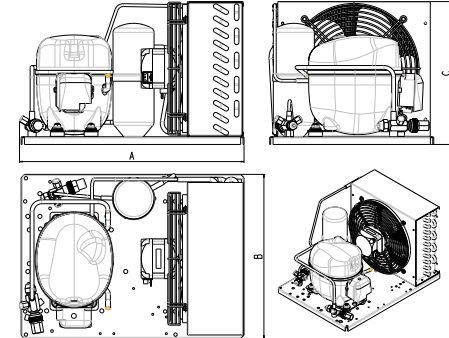
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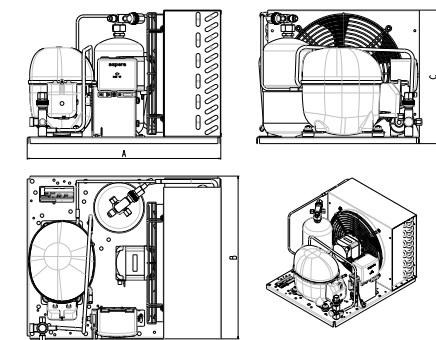
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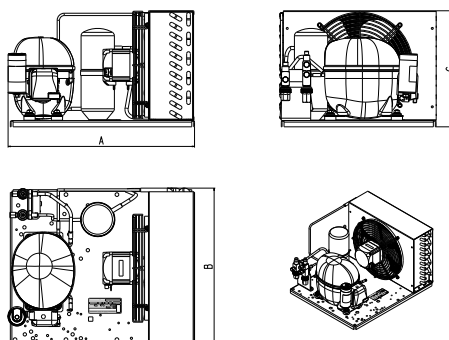
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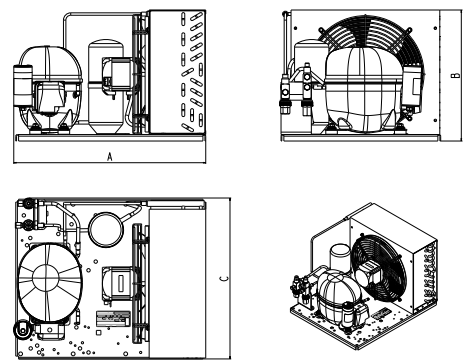
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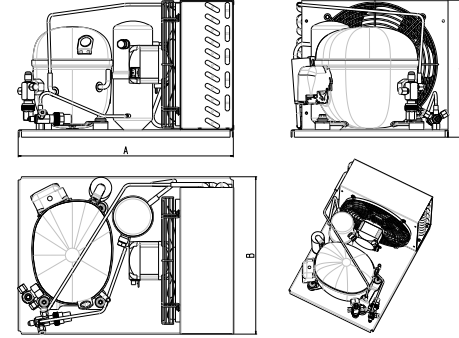


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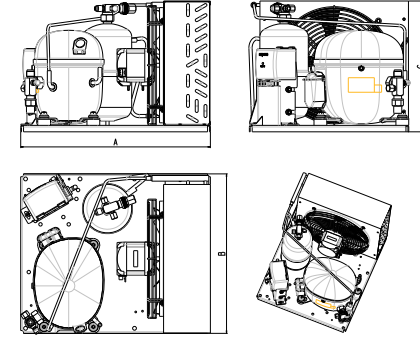


External Views UNT

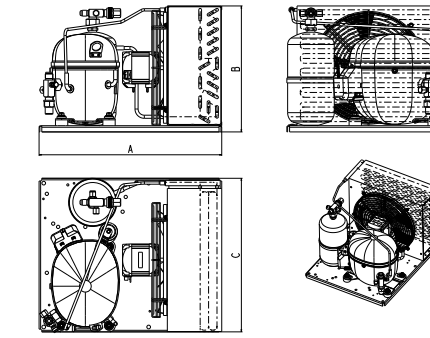
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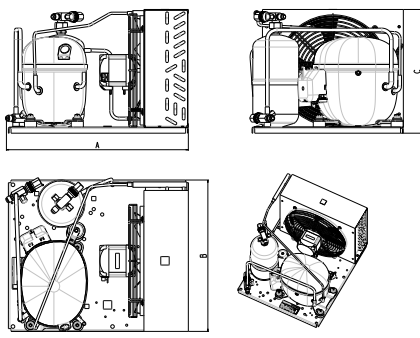
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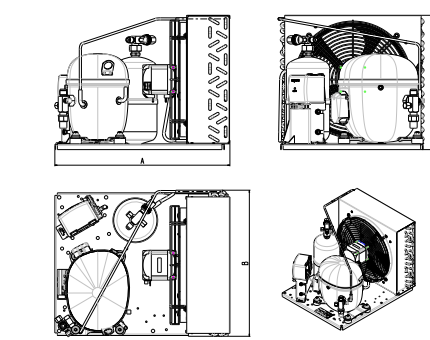
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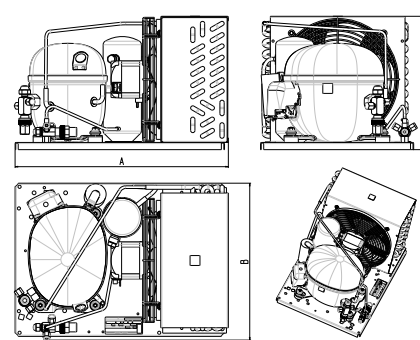
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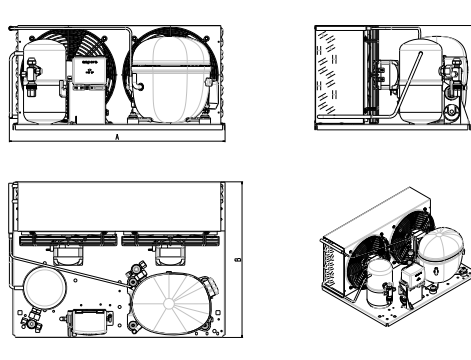
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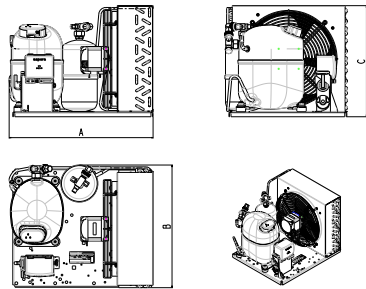


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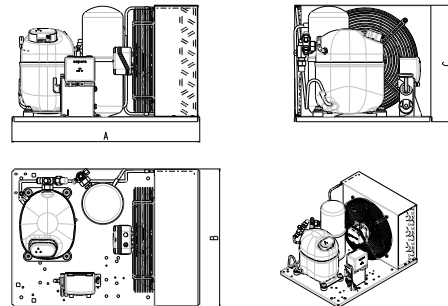


External Views UNJ

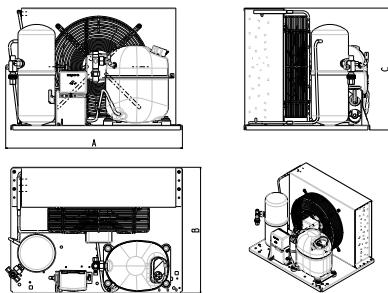
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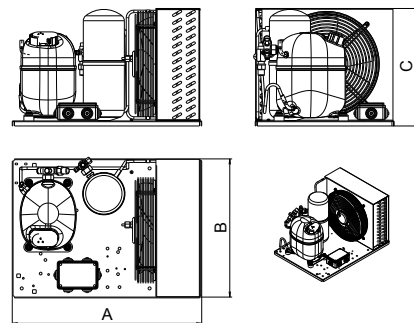
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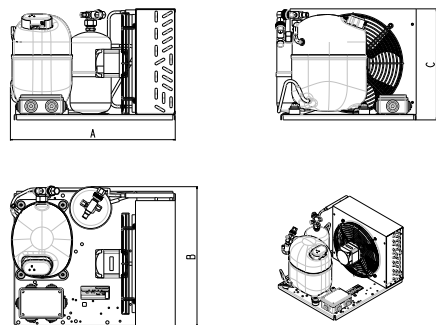
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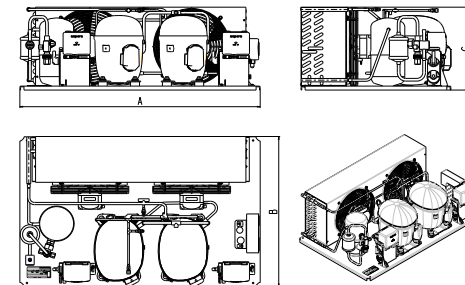


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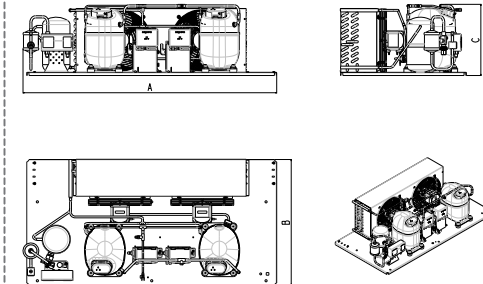


External Views UGNJ - UGNT

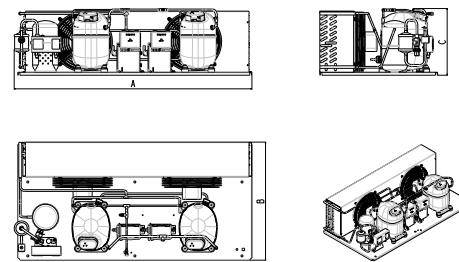
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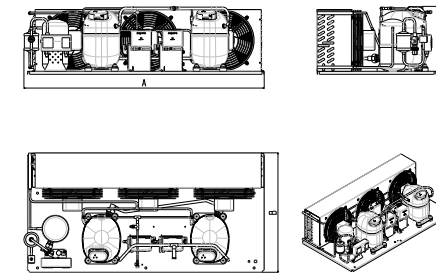
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N° 1955365

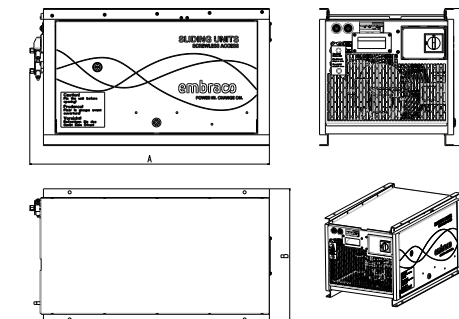


N° 1955367



External Views SLIDING UNITS

N° 1955459



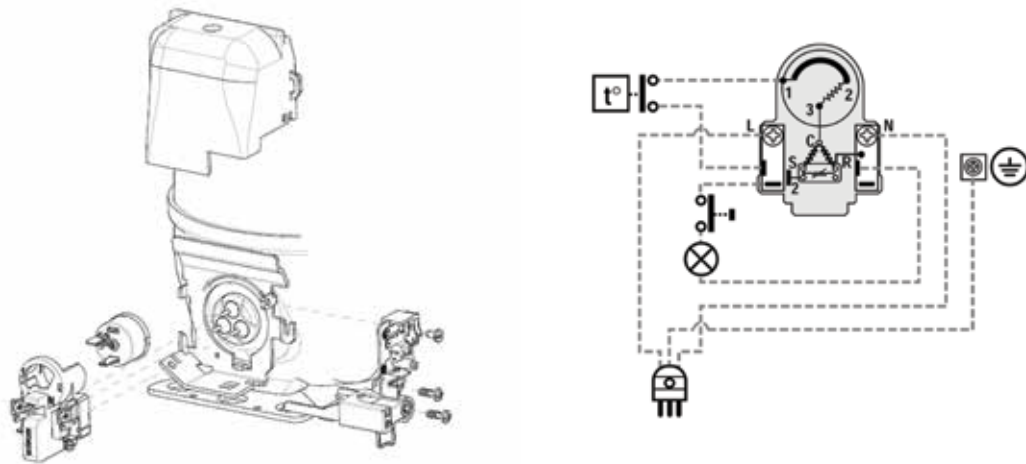
Wiring Diagrams

KEY

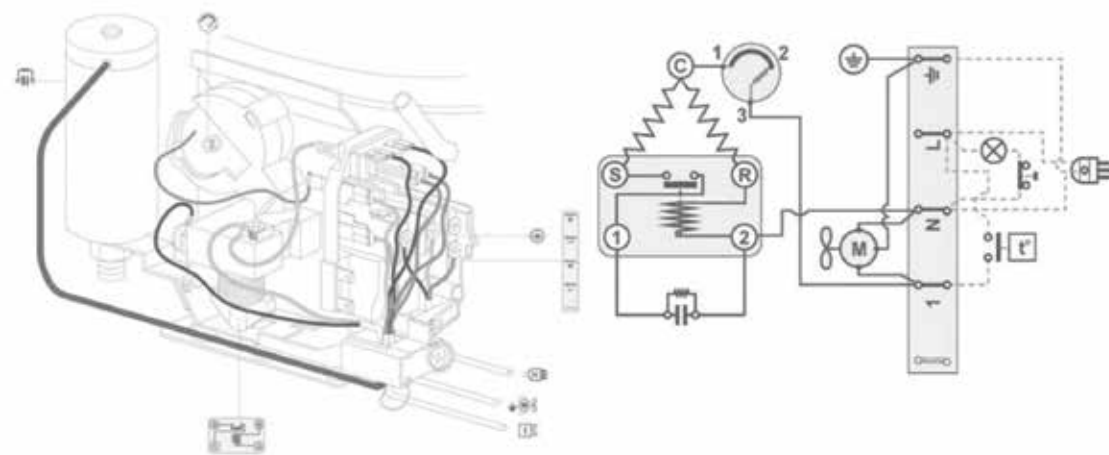
C Common	R Run	WH White	RD Red
S Start	C' Common (internal overload protection)	GNYE Green - Yellow	BL Blue
		BK Black	BR Brown



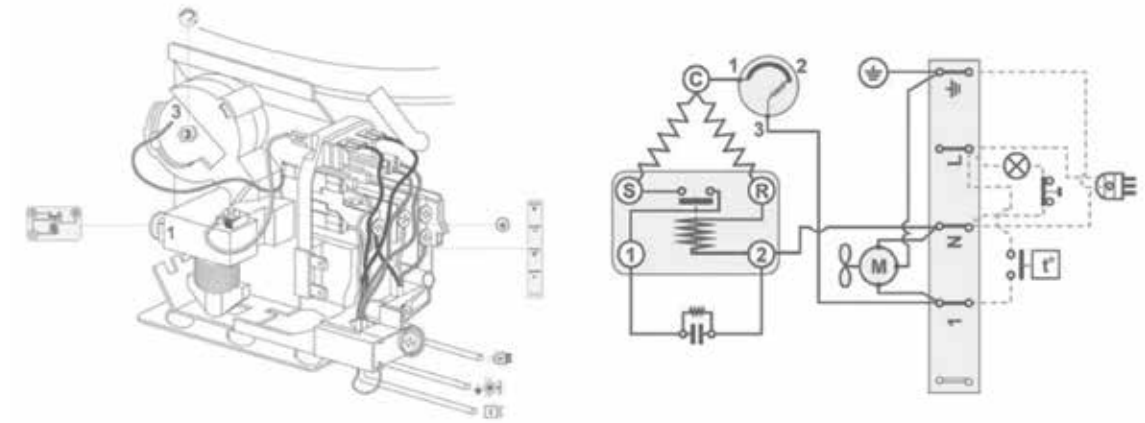
RSIR - PTC UEMT SERIES



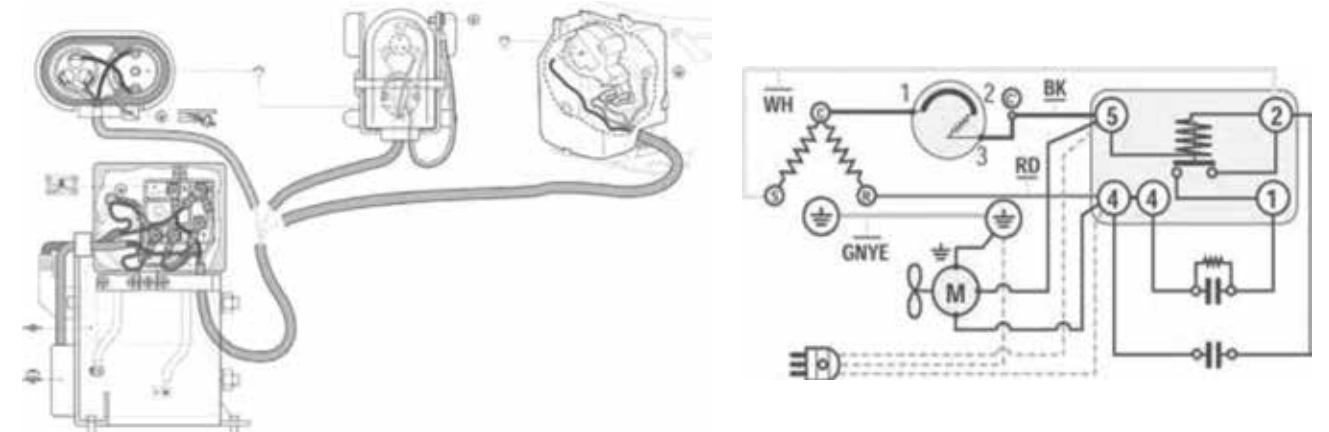
CSIR - ELECTRICAL HOOKUP UEMT UNE UNT UNEK



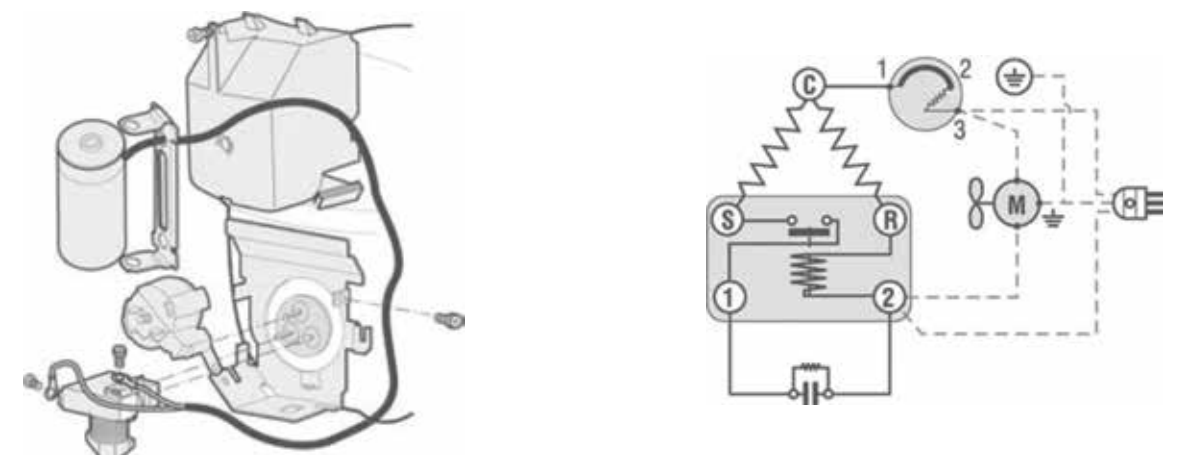
RSIR - ELECTRICAL HOOKUP UNE UNEK



CSR - ELECTRICAL HOOKUP UNEK UNT UNJ SERIES

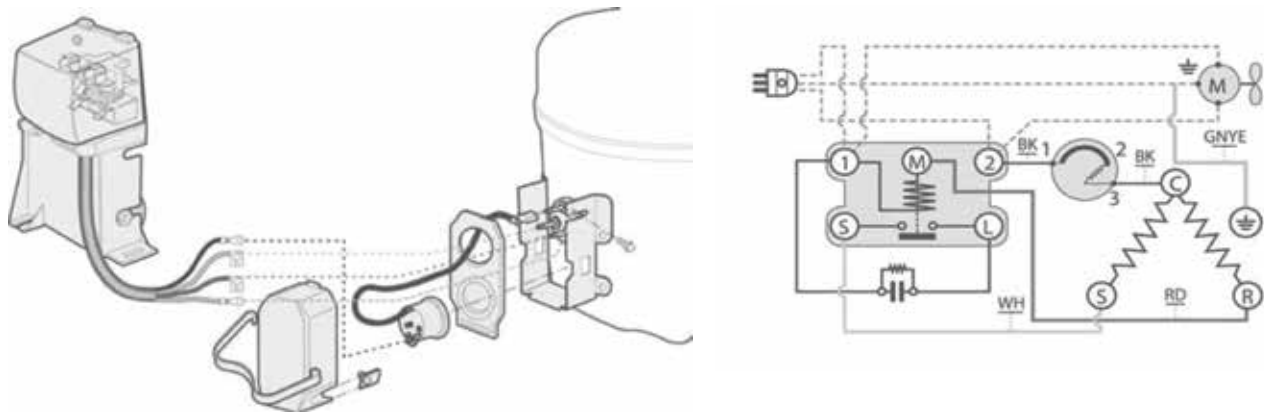


CSIR - UNEK UNT SERIES CORD ANCHORAGE & START DEVICE - AMERICAN VERSION

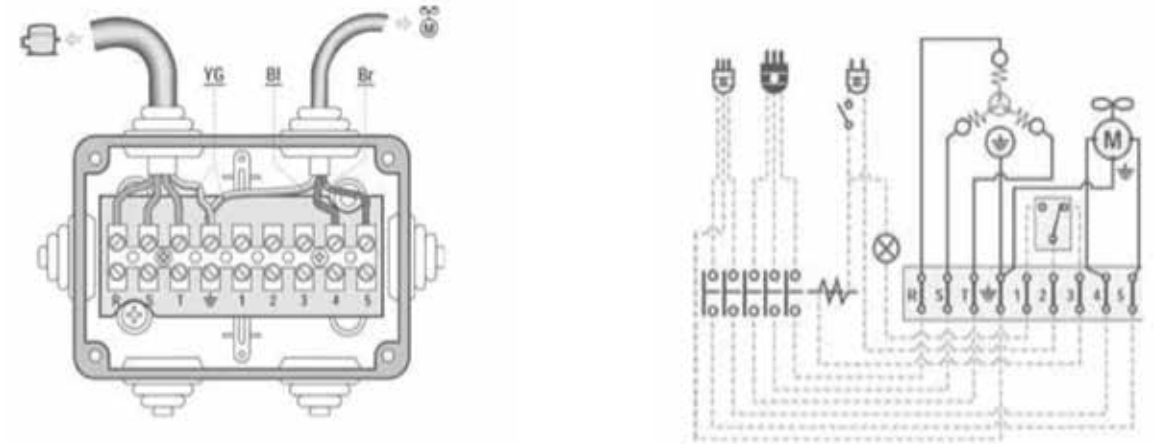


Wiring Diagrams

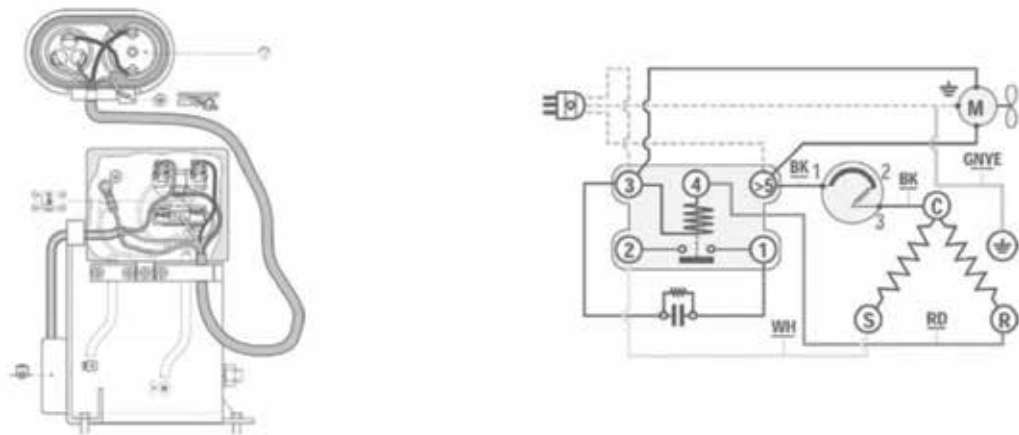
CSIR - UNT SERIES BOX



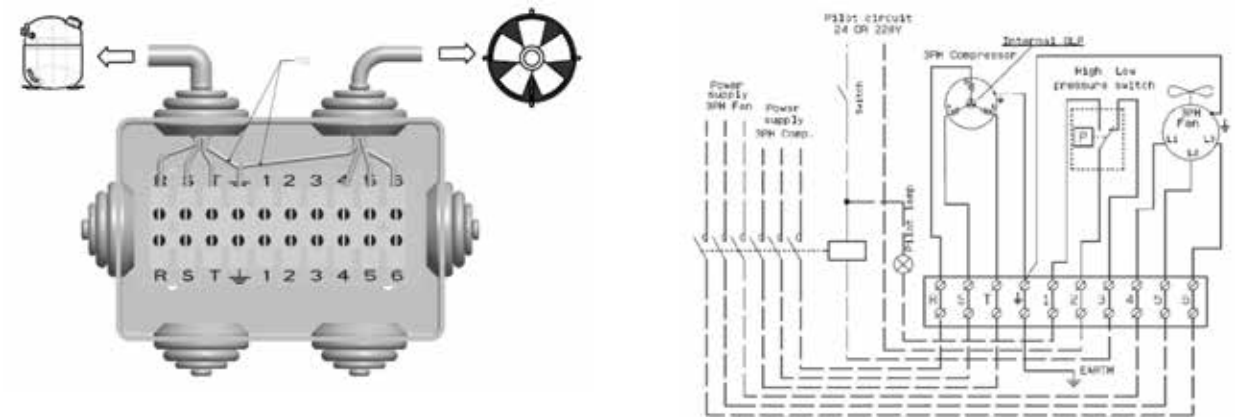
3 PHASE UNJ SERIES



CSIR - ELECTRICAL HOOKUP UNJ



3 PHASE UNJ 9232/9238 SERIES



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