

condensing
Units

R 134a
R 404A/R 507
R 22

 **Embraco aspera**



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Condensing Unit

1) - General

This catalog contains information on Embraco Condensing Units designed specifically for application in Europe.

The line of Embraco Condensing Units was designed in accordance with the strictest quality and reliability standards, available for a wide range of applications, varying from 1/7 HP to 2 HP in medium, low and high evaporating temperature applications, with R 22, R 134a, and R 404A / R 507.

Your best choice in Condensing Units

Embraco Condensing Units are capable of addressing any need, starting from 1/7 HP. The units are based on dependable hermetic compressors, and are built in order to provide durability, high performance and low sound level.

Developed for use in a variety of cooling systems, Embraco Condensing Units are applied in undercounter refrigeration, liquid coolers, water cooling units, commercial freezers and refrigerators, walk-in coolers, ice-makers, vending machines, ice-cream dispensers, display cases, etc.

2) - Features and Benefits

All Units

- Complete line from 1/7 to 2 HP
- Units available for R 134a, R 22, R 404A / R 507
- 100% factory tested
- Reliable, quiet and efficient hermetic compressors
- Corrosion resistant materials
- Oversized aluminum fin, copper tube condenser, capable of operating under high ambient temperatures and pressures
- UL approved for 60Hz version
- Customizable design (external casing, accessories)
- Low maintenance
- ROHS free, PED 97/23/CE - clause 3 par. 3

3) - Technical Instructions / Installation Precautions

The instructions below are general guidelines, but they do contain the major points that shall be taken into account for proper and safe product installation, in order to assure the best performance and the equipment warranty.

Caution: Refrigeration systems are pressurized circuits, and it is of utmost importance that the condensing units are removed and installed only by technically qualified persons, knowledgeable about the equipment and procedures employed.

3.1) - General Information

Inspect the unit for any damage that may have occurred during shipping. If damage is present, report to the carrier immediately.

To prevent loss, check in the box for any loose bag accessories, which may not be attached to the unit.

Only store, transport or install the condensing units in the proper position (right side up).

Warning: Make sure you have read and understand all procedures and caution messages before you execute any maintenance or installation tasks! It is imperative – for your own safety - that the testing devices used are functioning well and properly sized.

3.2) - Basic Installation – Overview

The installation site shall be well ventilated, ensuring that there will be sufficient air flow behind the condenser (refer to figure 1).

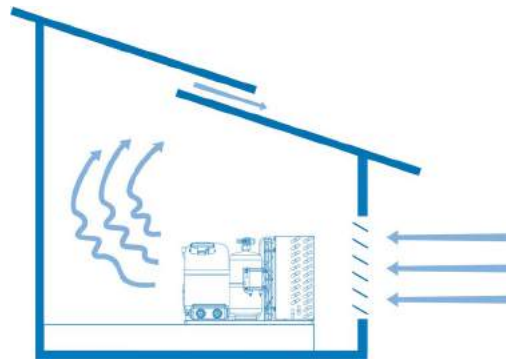


Figure 1 – Natural air flow through the roof

If the air flow to the condenser is restricted (even partly blocked), the performance of the system and reliability can be drastically reduced.

Embraco Condensing Units are designed to operate under room temperature up to 43°C (110°F). Therefore, make sure that the temperature at the installation site does not exceed the recommended limit.

Attention: You must clean the condenser periodically, so that no particles will impair or block air circulation.

3.3) - Installation Steps

- 3.3.1 - Select and size the equipment needed to assemble the refrigeration system, according to the project specifications (piping, valves, accessories, condenser unit). Carefully observe the application range for each model.
- 3.3.2 - Start by soldering the piping. After you have soldered the piping connections to the condensing unit and evaporator, perform the leak tests in all brazed or threaded joints.
- 3.3.3 - Evacuate the entire system (refer to item 3.7).
- 3.3.4 - Charge the refrigerant, preferably in liquid form, according to the required cooling gas mass (kg). (Refer to item 3.8).
- 3.3.5 - Switch the condensing unit on and access the system, monitoring the low and high pressures, temperature of the suction and liquid lines. Complete the cooler load if necessary.

3.3.6 - When the temperature inside the cooling system (chamber, conditioned environment) approaches the project value, proceed with the final adjustments, setting the system for continuous operation at full load.

3.3.7 - The superheating at the evaporator (given by the difference between temperatures at the piping surface at the point where the expansion valve's bulb is fixed, and the evaporation temperature*) shall be between 5°C and 10°C (9°F and 18°F). Superheating at the compressor's inlet must be between 10°C and 15°C (18°F and 27°F) for this case, the difference between the temperature at the surface of the return pipe, at a distance 150 mm (6") from the compressor, and the evaporation temperature. The sub-cooling in the condenser shall be between 3°C and 10°C (5°F and 18°F), i.e., the condensing temperature less the temperature at the pipe's surface at the condenser's outlet.

* Evaporation temperature obtained by converting the suction pressure into temperature.

3.4) - Cleaning the System

Cleaning the system before installing a new condensing unit is mandatory to completely remove residues and other contaminants.

The cleaning procedure for an installation process may be carried out by flushing the system with R 141b. Embraco recommends the installation of a filter-dryer at the suction line during the cleaner operation to retain and filter any undesired particles.

3.5) - Recommendations for Brazing (welding) the System

Circulate nitrogen (N₂) through the pipes, with an internal pressure from 1 to 2 psig, to prevent oxidation and to avoid scales from forming, ensuring that the piping is free from any contaminants (oil, grease, oxides).

Use a damp cloth when welding the valves, fittings and pipes, to prevent overheating the components through heat propagation.

The compressor and the filter-dryer are extremely susceptible to humidity. As such, they shall only be opened during installation, leaving them exposed to air for a maximum of 10 minutes to open air.

3.6) - Leakage Detection

During the system leakage tests, never pressurize the pipes using air, oxygen or acetylene. There is a potential risk of fire and/or explosion.

After the installation is finished, pressurize the system to 100 psig (never use pressures higher than 150 psig, so as not to damage the low pressure switch), using nitrogen and/or a small refrigerant charge.

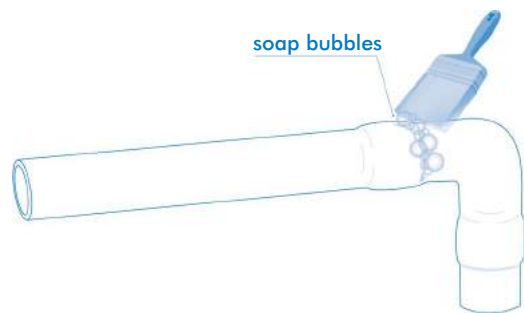


Figure 2 – Leakage tests with soap bubbles

Check for leaks using an electronic detector or a halide detector (torch). An alternative method is to check leakage with soap bubbles. When all fittings are properly installed, depressurize the system and go to the next step.

3.7) - System Evacuation

Warning: Never use the compressor itself to evacuate the system, nor energize the system when it is under vacuum, as it may cause the compressor to short-circuit.

To evacuate the system, use a high vacuum pump and a vacuum gage. The system shall be evacuated up to 200(μ) Hg or less. In any case, at least 20 minutes of vacuum must be applied.

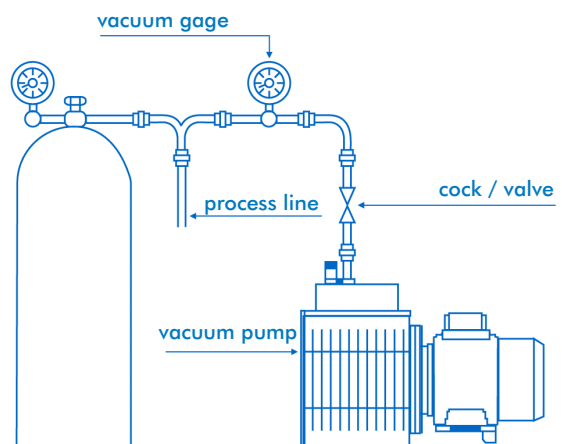


Figure 3 – High Vacuum Pump to evacuate the system

Warning: Never use anti-freeze elements (methyl alcohol and derivatives), as they cause irreversible damages to the cooling system.

3.8) - Procedures for Refrigerant Charge

The refrigerant shall only be charged after the proper vacuum has been achieved. Please check on the compressor or condensing unit tag what is the type of refrigerant that should be used to charge the system. Break the vacuum only when the compressor is switched off.

It is recommended that the refrigerant charge be provided in the liquid state (with the compressor switched off), through the high side (tank liquid valve) and by the refrigerant mass measurement (lb), according to the system specification.

Condensing Unit

Wait for 15 minutes before switching on the system again, so as to allow the gas to be evenly distributed and balance the pressure levels.

The fine tuning of the refrigerant charge must be done while the system is running (compressor switched on), by observing the sight glass. The charge will be complete when there are no more bubbles forming.

When performing a condensing unit replacement always check the specified refrigerant charge.

3.9) - Piping

Piping shall be sized so that:

- 3.9.1 - It is flexible, so as to avoid rupture due to expansion and due to the transmission of vibration usually caused by compressors.
- 3.9.2 - Ensure that the refrigerant is well distributed through the evaporator(s), and prevent the liquid from flowing back to the compressor. To do that, use an expansion valve with proper dimensions, and an inverted siphon at the outlet of each evaporator.

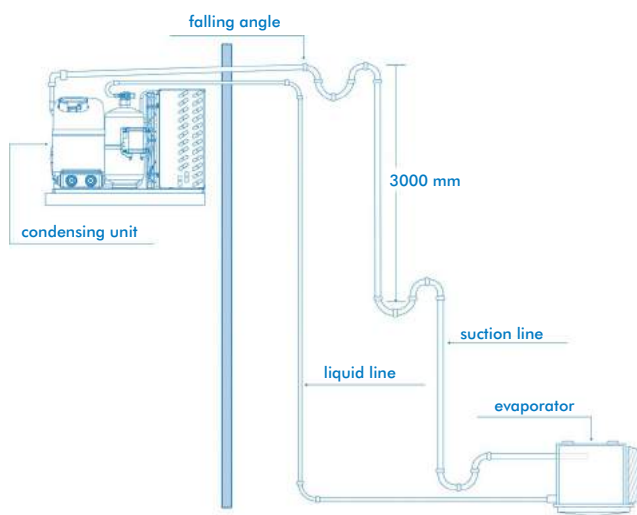


Figure 4 – Evaporator under the condensing unit

- 3.9.3 - Prevent the liquid from flowing back to the compressor when the system stops and the evaporator(s) is/are located above the Condensing Unit, using an inverted siphon and suction accumulator.
- 3.9.4 - Aid the return of lubricating oil coming from the evaporator(s) to the system where the Condensing Unit is located over 3000 mm above the evaporator(s), using an inverted siphon every 3000 mm in the piping.
- 3.9.5 - Allow secondary operations, such as attaching measurement instruments, isolating stretches for maintenance purposes and pump down.

Warning: The diameter of the fittings for the condensing units and evaporators shall not be used as a parameter to select the diameters of the other system components.

Attention: After replacement the condensing unit and it's accessories must be handled and recycled according to the material group (ferrous, non-ferrous, polymers, oils, ...) directives. These recommendations are intended to minimize the adverse impacts on the environment.

3.10) - Basic Accessories of a Cooling System

3.10.1 - Filter-Dryer

Installed at the liquid line, its function is to retain particles and mainly remove residual humidity from the system.



3.10.2 - Sight Glass

It is installed at the liquid line, just after the filter-dryer and used to monitor the system refrigerant charge. Some models also allow humidity detection.



3.10.3 - Pressure Control

Some of Embraco Condensing Units are fitted with High / Low Pressure Switches. Their function is to prevent the compressor from operating under pressure levels that are outside of their application range.



3.10.4 - Solenoid Valve

It is installed at the liquid line, prior to the expansion valve and used for the pump down procedure.



3.10.5 - Oil Separator

It is installed at the discharge line, when the evaporator is below the compressor's height (long distances).



3.10.6 - Suction Accumulator

It is installed at the suction line, just before the compressor. It prevents liquid refrigerant from flowing back towards the compressor.



Conditions that favor the flow-back of liquid to the compressor and where the use of a suction accumulator is recommended:

- Systems with more than one evaporator
- High refrigerant charges
- Operations with defrosting by hot gas
- Where the distance from the compressor to the evaporator is over 15 meters (50 feet)
- Evaporator(s) above the condensing unit

3.10.7 - Fan Speed Control

The Fan Speed Control controls the head pressure in air-cooled condensers by reducing the fan speed to maintain head pressure as the outside temperatures/condenser pressure drops. As the motor speed drops under lower ambient/load condition fan noise is also reduced.



3.10.8 - Schrader Valve

Used for service operation (Refrigerant Charge).



3.10.9 - CU Housing

For external use, to protect the condensing unit from corrosion.



3.10.10 - Expansion Valve

It is installed at the liquid line, prior to the evaporator. Its function is to maintain pressure difference between the condenser and the evaporator, and to adjust the refrigerant flow into the evaporator. For systems operating under low evaporating temperatures (lower than -17.7°C (0°F)), we recommend using an expansion valve fitted with MOP (Maximum Operation Pressure), to protect the compressor against high pressures in suction during the start procedure.

3.10.11 - Suction Filter

It is recommended to clean the systems if the compressor has burned out. Installed at the suction line, its main task is to retain the contaminants (result of the burning of the compressor), and to retain system particles.

3.11 - Electrical Connections

Check the electrical rating printed on the unit name plate, and make sure it corresponds to the power supply being used.

Check the electrical rating on the fan motor, and make sure it corresponds to the power supply being used.

Warnings: Do not remove the compressor terminal cover while the compressor is running – electrocution may occur.

Do not operate the unit unless it is grounded – electrocution may occur.

Respect local electrical safety regulations.

R 134a - LBP

MODEL	B.O.M.	ELECTRICAL VERSION	MOTOR TYPE	VERSION *			EXPANSIVE DEVICE	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C **								APPLICATION RANGE IN 43°C	RECEIVER VOLUME litre	VALVES TUBE LINE O.D.		
				V-2	V-3	V-9			RATED -23.3			-20	-15	-10	-5	SUCTION inch			LIQUID inch		
									-30	-25	W									W imp	RLA
UNB1112Z	583FG	G	RSIR	ok	ok	-	C	1/5-	109	145	160	178	2.4	191	245	306	373	-30 to -5	-	3/8	1/4
UNB1112Z	583FA	A	RSIR	ok	ok	-	C	1/6	92	144	142	127	0.9	170	218	266	325	-30 to -5	-	3/8	1/4
UNB1116Z	584SA	A	RSIR	ok	ok	-	C	1/5	136	178	195	182	1.2	233	293	365	436	-30 to -5	-	3/8	1/4
UNB2116Z	584TA	A	CSIR	ok	ok	ok	C-V	1/5	136	178	195	182	1.2	233	293	365	436	-30 to -5	0.6	3/8	1/4
UNB2116Z	584TG	G	CSIR	ok	ok	-	C-V	1/4	159	208	229	211	3.1	272	427	459	510	-30 to -5	0.5	3/8	1/4
UNB1118Z	584UA	A	RSIR	ok	ok	-	C	1/4+	171	222	244	185	1.3	291	372	463	560	-30 to -5	-	3/8	1/4
UNB1118Z	584UG	G	RSIR	ok	ok	-	C	1/3	200	259	286	222	3.1	341	435	542	656	-30 to -5	-	3/8	1/4
UNB2118Z	584VA	A	CSIR	ok	ok	ok	C-V	1/4+	171	222	244	185	1.3	291	372	463	560	-30 to -5	0.6	3/8	1/4
UNE1121Z	572AA	A	RSIR	ok	ok	-	C	1/3	214	279	308	269	2.0	370	478	600	733	-30 to -5	-	3/8	1/4
UNE1121Z	572AG	G	RSIR	ok	ok	-	C	1/3+	250	327	360	296	4.4	436	559	702	857	-30 to -5	-	3/8	1/4
UNE2121Z	572BA	A	CSIR	ok	ok	ok	C-V	1/3	214	279	308	269	2.0	370	478	600	733	-30 to -5	0.6	3/8	1/4
UNE2121Z	572BG	G	CSIR	ok	ok	-	C-V	1/3+	250	327	360	296	4.4	433	559	702	857	-30 to -5	0.5	3/8	1/4
UNE1130Z	572CA	A	RSIR	ok	ok	-	C	1/3+	276	356	390	310	2.3	465	606	762	919	-30 to -5	-	3/8	1/4
UNE1130Z	572CG	G	RSIR	ok	ok	-	C	1/2	322	416	456	350	5.3	544	709	891	1074	-30 to -5	-	3/8	1/4
UNE2130Z	572DA	A	CSIR	ok	ok	ok	C-V	1/3+	276	356	390	310	2.3	465	606	762	919	-30 to -5	1.1	3/8	1/4
UNE2130Z	572DG	G	CSIR	ok	ok	-	C-V	1/2	322	416	456	350	5.3	544	709	891	1074	-30 to -5	1.0	3/8	1/4
UT2134Z	533BV	V	CSIR	ok	ok	ok	C-V	1/2	302	395	433	400	3.2	512	657	824	988	-30 to -5	0.6	3/8	1/4
UT2134Z	533BG	G	CSIR	ok	ok	-	C-V	1/2+	353	463	506	436	5.8	599	769	965	1157	-30 to -5	0.5	3/8	1/4
UT1140Z	537AA	A	RSIR	ok	ok	-	C	2/3	393	512	560	462	3.5	674	866	1093	1337	-30 to -5	-	3/8	1/4
UT2140Z	537BA	A	CSIR	ok	ok	ok	C-V	2/3	393	512	560	462	3.5	674	866	1093	1337	-30 to -5	1.1	3/8	1/4
UJ2152Z	564AA	A	CSR	ok	ok	ok	C-V	3/4-	453	593	657	540	3.6	797	1035	1302	1605	-30 to -5	1.3	1/2	3/8

Notes:
 * Version: V-2 - with receiver, with two valves (flare or weld connection) | V-3 - capillary version - without valves, without receiver | V-9 - V-2 + selected accessories.
 ** Test Conditions: Ambient 32°C (90°F) | Max. subcooling 3°C (5°F) | Evaporator outlet and gas return 32°C (90°F).
 For electrical version D and G, version V-9 on request.

R 404A / R 507 - LBP

MODEL	B.O.M.	ELECTRICAL VERSION	MOTOR TYPE	VERSION *			EXPANSIVE DEVICE	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C **								APPLICATION RANGE IN 43°C	RECEIVER VOLUME litre	VALVES TUBE LINE O.D.			
				V-2	V-3	V-9			RATED -23.3			-20	-15	-10	SUCTION inch	LIQUID inch						
									-40	-35	-30								-25	W	W imp	RLA
UNB2121GK	595BN	N	CSIR	ok	ok	ok	C-V	1/3	119	162	211	257	284	278	2.28	324	388	456	-40 to -10	0.6	3/8	1/4
UNE2125GK	671TA	A	CSIR	ok	ok	ok	C-V	1/2-	145	206	283	374	408	342	2.50	469	579	731	-40 to -10	1.1	3/8	1/4
UNE2125GK	671TD	D	CSIR	ok	ok	-	C-V	1/2	153	249	341	466	512	400	6.30	557	629	766	-40 to -10	1.0	3/8	1/4
UNE2125GK	671TG	G	CSIR	ok	ok	-	C-V	1/2	153	249	341	466	512	400	6.30	557	629	766	-40 to -10	1.0	3/8	1/4
UNEK2125GK	657EA	A	CSIR	ok	ok	ok	C-V	1/2-	194	236	322	368	410	342	2.50	451	529	644	-40 to -10	1.1	3/8	1/4
UNE2134GK	673TA	A	CSIR	ok	ok	ok	C-V	1/2+	149	234	337	456	502	470	3.80	593	733	884	-40 to -10	1.1	3/8	1/4
UNE2134GK	673TD	D	CSIR	ok	ok	-	C-V	2/3	174	273	394	534	587	545	7.10	694	857	1034	-40 to -10	1.0	3/8	1/4
UNE2134GK	673TG	G	CSIR	ok	ok	-	C-V	2/3	174	273	394	534	587	545	7.10	694	857	1034	-40 to -10	1.0	3/8	1/4
UNEK2134GK	558AA	A	CSIR	ok	ok	ok	C-V	1/2+	227	267	381	474	490	342	2.50	552	649	756	-40 to -10	1.1	3/8	1/4
UNEK2150GK	559AA	A	CSIR	ok	ok	ok	C-V	2/3+	341	398	474	569	639	530	3.41	683	817	969	-40 to -10	1.1	3/8	1/4
UT2155GK	636CA	A	CSR	ok	ok	ok	C-V	3/4	237	340	462	600	656	520	2.60	765	942	1123	-40 to -10	1.2	3/8	1/4
UT2155GK	636DG	G	CSIR	ok	ok	-	C-V	3/4	251	343	481	669	667	609	7.80	905	1078	1369	-40 to -10	1.3	3/8	1/4
UT2168GK	636JA	A	CSR	ok	ok	ok	C-V	1-	333	453	595	763	819	655	3.30	940	1142	1372	-40 to -10	1.2	3/8	1/4
UT2168GK	636JG	G	CSR	ok	ok	-	C-V	1	346	476	615	800	883	769	9.20	1007	1179	1337	-40 to -10	1.0	3/8	1/4
UT2178GK	636QA	A	CSR	ok	ok	ok	C-V	1 1/6	437	586	753	947	1023	770	3.90	1165	1410	1693	-40 to -10	1.2	3/8	1/4
UT2178GK	636QG	G	CSR	ok	ok	-	C-V	1 1/5	437	604	783	970	1038	852	4.36	1171	1381	1603	-40 to -10	1.0	3/8	1/4
UT2178GK	636QD	D	RSIR	ok	ok	-	C-V	1 1/5	437	604	783	970	1038	852	4.36	1171	1381	1603	-40 to -10	1.0	3/8	1/4
UT2180GK	636XA	A	CSR	ok	ok	ok	C-V	1 1/4	450	610	790	1000	1110	841	3.50	1240	1508	1873	-40 to -10	1.2	3/8	1/4
U(N)J2192GK	664SA (644AA)	A	CSR	ok	ok	ok	C-V	1 1/2-	453	612	795	1087	1198	942	4.31	1373	1687	2030	-40 to -10	2.3	1/2	3/8
U(N)J2192GK	664SD (644AD)	D	CSR	ok	ok	-	C-V	1 1/2-	530	715	930	1170	1265	1175	7.00	1442	1742	2067	-40 to -10	2.3	1/2	3/8
U(N)J2192GS	668SM (648SM)	M	3 Ph	ok	ok	ok	C-V	1 1/5	453	612	795	1000	1081	900	2.10	1233	1488	1767	-40 to -10	2.3	1/2	3/8
U(N)J2212GK	663TA (643TA)	A	CSR	ok	ok	ok	C-V	1 3/4	616	886	1163	1479	1599	1175	6.10	1826	2198	2605	-40 to -10	2.3	5/8	3/8
U(N)J2212GK	663TA (643TA)	A	CSR	ok	ok	ok	C-V	1 3/4	616	886	1163	1479	1599	1175	6.20	1826	2198	2605	-40 to -10	2.3	5/8	3/8
U(N)J2212GK	663TD (643TD)	D	CSR	ok	ok	-	C-V	2	721	1037	1360	1730	1871	1370	7.10	2136	2571	3048	-40 to -10	2.3	5/8	3/8
U(N)J2212GK	663TD (643TD)	D	CSR	ok	ok	-	C-V	2	721	1037	1360	1730	1871	1370	7.70	2136	2571	3048	-40 to -10	2.3	5/8	3/8
U(N)J2212GS	667TM (647TM)	M	3 Ph	ok	ok	ok	C-V	1 3/4	616	886	1163	1479	1599	1479	2.30	1826	2198	2605	-40 to -10	2.3	5/8	3/8

Notes:
 * Version: V-2 - with receiver, with two valves (flare or weld connection) | V-3 - capillary version - without valves, without receiver | V-9 - V-2 + selected accessories.
 ** Test Conditions: Ambient 32°C (90°F) | Max. subcooling 3°C (5°F) | Evaporator outlet and gas return 32°C (90°F).
 For electrical version D and G, version V-9 on request.

	FAN			FAN MOTOR				WEIGHT (Only Reference) kg / lb	OVERALL DIMENSIONS				CONDENSER		MODEL
	O.D. mm / inch	No. & Angle of Blades	No. of Fans	Air Flow Rate	Rated Output	Rated Input	Rated Input		A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES	
				m ³ (h)	W	W	A		mm / inch	mm / inch	mm / inch				
	200 / 7.87	5/28°	1	240	9	34	0.45	12.6 / 27.8	415 / 16.33	280 / 11.02	226 / 8.90	1955183	1	8	UNB1112Z
	200 / 7.87	5/28°	1	240	10	36	0.25	12.6 / 27.8	480 / 18.90	300 / 11.81	226 / 8.90	1955191	1	8	UNB1112Z
	200 / 7.87	5/28°	1	240	10	36	0.25	14.9 / 32.9	415 / 16.33	280 / 11.02	226 / 8.90	1955183	2	8	UNB1116Z
	200 / 7.87	5/28°	1	240	10	38	0.25	15.2 / 33.5	480 / 18.90	300 / 11.81	226 / 8.90	1955191	2	8	UNB2116Z
	200 / 7.87	5/28°	1	280	9	34	0.45	15.2 / 33.5	415 / 16.33	280 / 11.02	226 / 8.90	1955183	2	8	UNB2116Z
	200 / 7.87	5/28°	1	240	10	38	0.25	15.3 / 33.7	480 / 18.90	300 / 11.81	226 / 8.90	1955191	2	8	UNB1118Z
	200 / 7.87	5/28°	1	280	9	34	0.45	15.3 / 33.7	415 / 16.33	280 / 11.02	226 / 8.90	1955183	2	8	UNB1118Z
	200 / 7.87	5/28°	1	240	10	38	0.25	15.7 / 34.6	480 / 18.90	300 / 11.81	226 / 8.90	1955191	2	8	UNB2118Z
	200 / 7.87	5/28°	1	245	10	38	0.25	16.4 / 36.2	430 / 16.90	280 / 11.02	226 / 8.90	1955183	3	8	UNE1121Z
	200 / 7.87	5/28°	1	275	9	34	0.45	16.4 / 36.2	480 / 18.90	300 / 11.81	226 / 8.90	1955191	3	8	UNE2121Z
	200 / 7.87	5/28°	1	245	10	38	0.25	16.4 / 36.2	430 / 16.90	280 / 11.02	226 / 8.90	1955183	3	8	UNE2121Z
	200 / 7.87	5/28°	1	275	9	34	0.45	16.6 / 36.6	480 / 18.90	300 / 11.81	254 / 10.00	1955191	3	9	UNE1130Z
	230 / 9.06	5/28°	1	310	10	38	0.25	17.0 / 37.5	435 / 17.10	310 / 12.20	254 / 10.00	1955183	3	9	UNE1130Z
	230 / 9.06	5/28°	1	355	9	34	0.45	17.0 / 37.5	480 / 18.90	300 / 11.81	254 / 10.00	1955191	3	9	UNE2130Z
	230 / 9.06	5/28°	1	310	10	38	0.25	17.5 / 38.6	435 / 17.10	310 / 12.20	254 / 10.00	1955183	3	9	UNE2130Z
	230 / 9.06	5/28°	1	310	10	38	0.25	20.7 / 45.6	443 / 17.44	310 / 12.20	254 / 10.00	1955192	3	9	UT2134Z
	230 / 9.06	5/28°	1	355	9	34	0.45	20.7 / 45.6	443 / 17.44	310 / 12.20	254 / 10.00	1955192	3	9	UT2134Z
	254 / 10.00	5/28°	1	580	16	60	0.42	23.6 / 52.0	465 / 18.31	340 / 13.39	296 / 11.65	1955185	3	11	UT1140Z
	254 / 10.00	5/28°	1	580	16	60	0.42	23.6 / 52.0	465 / 18.31	340 / 13.39	296 / 11.65	1955185	3	11	UT2140Z
	254 / 10.00	5/28°	1	580	16	60	0.42	35.8 / 78.9	465 / 18.31	340 / 13.39	296 / 11.65	1955196	4	11	UJ2152Z

	FAN			FAN MOTOR				WEIGHT (Only Reference) kg / lb	OVERALL DIMENSIONS				CONDENSER		MODEL
	O.D. mm / inch	No. & Angle of Blades	No. of Fans	Air Flow Rate	Rated Output	Rated Input	Rated Input		A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES	
				m ³ (h)	W	W	A		mm / inch	mm / inch	mm / inch				
	200 / 7.87	5/28°	1	240	10	36	0.25	17.4 / 38.4	480 / 18.90	300 / 11.81	226 / 8.90	1955191	3	8	UNB2121GK
	230 / 9.06	5/28°	1	340	10	36	0.25	17.7 / 39.0	430 / 16.90	310 / 12.20	226 / 8.90	1955183	3	9	UNE2125GK
	230 / 9.06	5/28°	1	370	9	34	0.45	17.9 / 39.5	480 / 18.90	300 / 11.81	254 / 10.00	1955191	3	9	UNE2125GK
	230 / 9.06	5/28°	1	370	9	34	0.45	17.9 / 39.5	435 / 17.10	310 / 12.20	254 / 10.00	1955183	3	9	UNE2125GK
	230 / 9.06	5/28°	1	340	10	36	0.25	17.9 / 39.5	435 / 17.10	310 / 12.20	254 / 10.00	1955183	3	9	UNEK2125GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE2134GK
	254 / 10.00	5/28°	1	370	16	58	0.36	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE2134GK
	254 / 10.00	5/28°	1	370	16	58	0.74	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE2134GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNEK2134GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNEK2150GK
	254 / 10.00	5/28°	1	580	16	60	0.42	27.0 / 59.5	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2155GK
	254 / 10.00	5/28°	1	670	16	58	0.74	27.0 / 59.5	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2155GK
	254 / 10.00	5/28°	1	580	16	60	0.42	28.5 / 62.8	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2168GK
	254 / 10.00	5/28°	1	670	16	58	0.74	28.5 / 62.8	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2168GK
	254 / 10.00	5/28°	1	580	16	60	0.42	28.5 / 62.8	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2178GK
	254 / 10.00	5/28°	1	670	16	58	0.74	28.5 / 62.8	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2178GK
	254 / 10.00	5/28°	1	670	16	58	0.36	28.5 / 62.8	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2178GK
	254 / 10.00	5/28°	1	580	16	60	0.42	29.0 / 63.9	465 / 18.31	340 / 13.39	296 / 11.65	1955193	4	11	UT2180GK
	275 / 10.83	5/31°	1	600	34	110	0.75	36.2 / 79.8	477 / 18.78	410 / 16.14	324 / 12.76	1955186	3	12	U(N)J2192GK
	275 / 10.83	5/31°	1	980	25	60	0.55	36.2 / 79.8	477 / 18.78	410 / 16.14	324 / 12.76	1955186	3	12	U(N)J2192GK
	275 / 10.83	5/31°	1	850	34	100	0.38	36.2 / 79.8	477 / 18.78	410 / 16.14	324 / 12.76	1955186	3	12	U(N)J2192GS
	275 / 10.83	5/31°	1	800	34	110	0.75	37.0 / 81.5	477 / 18.78	410 / 16.14	324 / 12.76	1955186	4	12	U(N)J2212GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J2212GK
	275 / 10.83	5/31°	1	980	25	60	0.55	40.0 / 88.2	477 / 18.78	410 / 16.14	324 / 12.76	1955186	4	12	U(N)J2212GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J2212GK
	275 / 10.83	5/31°	1	850	34	100	0.38	40.0 / 88.2	477 / 18.78	410 / 16.14	324 / 12.76	1955186	4	12	U(N)J2212GS

R 22 - LBP

MODEL	B.O.M.	ELECTRICAL VERSION	MOTOR TYPE	VERSION *			EXPANSIVE DEVICE	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - **									APPLICATION RANGE IN 43°C	RECEIVER VOLUME litre	VALVES TUBE LINE O.D.	
				V-2	V-3	V-9			-30	-25	RATED -23.3			-20	-15	-10	SUCTION inch			LIQUID inch	
											W	W	W								W _{inp}
UNE2125E	671IA	A	CSIR	ok	ok	ok	C-V	1/3-	221	302	326	305	2.0	390	494	616	-30 to -10	1.1	3/8	1/4	
UNE2134E	673AA	A	CSIR	ok	ok	ok	C-V	1/2	314	407	442	413	2.7	512	634	767	-30 to -10	1.1	3/8	1/4	
UNE2134E	673AD	D	CSIR	ok	ok	-	C-V	1/2+	397	511	555	472	3.2	641	787	947	-30 to -10	1.1	3/8	1/4	
UT2140E	636AA	A	CSIR	ok	ok	ok	C-V	1/2+	401	500	541	552	3.7	628	767	930	-30 to -10	1.2	3/8	1/4	
UT2140E	636AD	D	CSIR	ok	ok	-	C-V	3/4	470	585	633	618	4.4	735	898	1088	-30 to -10	1.2	3/8	1/4	
UT2155E	636BA	A	CSR	ok	ok	ok	C-V	3/4	506	628	674	582	2.9	779	960	1198	-30 to -10	1.2	3/8	1/4	
UT2168E	636KA	A	CSR	ok	ok	ok	C-V	1-	616	767	826	652	3.2	965	1233	1529	-30 to -10	1.2	5/8	3/8	
UJ2178E	664GA	A	CSR	ok	ok	ok	C-V	1 1/5	779	965	1052	840	4.1	1221	1547	1942	-30 to -10	2.3	1/2	3/8	
UJ2190E	663NV	V	CSR	ok	ok	ok	C-V	1 1/3	802	1186	1208	960	4.6	1387	1789	2132	-30 to -10	2.3	1/2	3/8	

Notes
 * Version: V-2 - with receiver, with two valves (flare or weld connection) | V-3 - capillary version - without valves, without receiver | V-9 - V2 + selected accessories.
 ** Test Conditions: Ambient 32°C (90°F) | Max. subcooling 3°C (5°F) | Evaporator outlet and gas return 32°C (90°F).
 For electrical version D and G, version V-9 on request.

R 134a - HBP

MODEL	B.O.M.	ELECTRICAL VERSION	MOTOR TYPE	VERSION *			EXPANSIVE DEVICE	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - **										APPLICATION RANGE IN 43°C	RECEIVER VOLUME litre	VALVES TUBE LINE O.D.	
				V-2	V-3	V-9			-15	-10	-5	0	5	RATED 7.2			10	SUCTION inch			LIQUID inch	
														W	W _{inp}	RLA						W
UNB5125Z	583AA	A	RSIR	ok	ok	-	C	1/7-	148	183	222	270	320	342	179	1.1	372	-15 to +10	-	3/8	1/4	
UNB5125Z	583AG	G	RSIR	ok	ok	-	C	1/7-	173	214	259	315	374	400	211	2.5	435	-15 to +10	-	3/8	1/4	
UNB5128Z	583BA	A	RSIR	ok	ok	-	C	1/7-	164	203	250	302	359	384	209	1.2	419	-15 to +10	-	3/8	1/4	
UNB5128Z	583BG	G	RSIR	ok	ok	-	C	1/7	192	238	293	353	421	449	244	2.9	490	-15 to +10	-	3/8	1/4	
UNB5132Z	583CA	A	RSIR	ok	ok	-	C	1/7	186	233	285	347	413	442	229	1.3	483	-15 to +10	-	3/8	1/4	
UNB5132Z	583CG	G	RSIR	ok	ok	-	C	1/6-	217	272	334	406	483	517	279	3.2	565	-15 to +10	-	3/8	1/4	
UNB5144Z	584AA	A	RSIR	ok	ok	-	C	1/6+	269	330	403	479	560	602	295	1.7	651	-15 to +10	-	3/8	1/4	
UNB5144Z	584AG	G	RSIR	ok	ok	-	C	1/5	314	386	472	560	656	705	355	4.2	762	-15 to +10	-	3/8	1/4	
UNB6144Z	584BA	A	CSIR	ok	ok	ok	C-V	1/6+	269	330	403	479	560	602	295	1.7	651	-15 to +10	0.6	3/8	1/4	
UNB6144Z	584BG	G	CSIR	ok	ok	-	C-V	1/5	314	386	472	560	656	705	355	4.2	762	-15 to +10	0.5	3/8	1/4	
UNE5160Z	571AA	A	RSIR	ok	ok	-	C	1/5	320	392	480	570	669	716	380	2.4	779	-15 to +10	-	3/8	1/4	
UNE5160Z	571AN	N	RSIR	ok	ok	-	C	1/5	320	392	480	570	669	716	380	2.4	779	-15 to +10	-	3/8	1/4	
UNE5160Z	571AG	G	RSIR	ok	ok	-	C	1/4	374	458	562	666	783	838	455	5.1	912	-15 to +10	-	3/8	1/4	
UNE6160Z	571BA	A	CSIR	ok	ok	ok	C-V	1/5	320	392	480	570	669	716	380	2.4	779	-15 to +10	1.1	3/8	1/4	
UNE6160Z	571BG	G	CSIR	ok	ok	-	C-V	1/4	374	458	562	666	783	838	455	5.1	912	-15 to +10	1.0	3/8	1/4	
UNE5170Z	571CA	A	RSIR	ok	ok	-	C	1/4	355	440	535	640	753	803	410	2.4	872	-15 to +10	-	3/8	1/4	
UNE5170Z	571CG	G	RSIR	ok	ok	-	C	1/4+	415	514	626	749	881	940	490	5.5	1021	-15 to +10	-	3/8	1/4	
UNE5187Z	571EA	A	RSIR	ok	ok	-	C	1/3	488	613	750	899	1052	1128	562	3.4	1221	-15 to +10	-	3/8	1/4	
UNE5187Z	571EG	G	RSIR	ok	ok	-	C	1/3+	571	717	878	1051	1231	1320	672	7.8	1429	-15 to +10	-	3/8	1/4	
UNE6170Z	571DA	A	CSIR	ok	ok	ok	C-V	1/4	355	440	535	640	753	815	410	2.4	872	-15 to +10	1.1	3/8	1/4	
UNEK6170Z	573DA	A	CSIR	ok	ok	ok	C-V	1/4	407	479	595	693	798	855	347	2.1	921	-15 to +10	1.1	3/8	1/4	
UNE6170Z	572GN	N	CSIR	ok	ok	ok	C-V	1/4	355	440	535	640	753	815	330	5.1	872	-15 to +10	1.1	3/8	1/4	
UNE6170Z	571DG	G	CSIR	ok	ok	-	C-V	1/4	431	453	557	683	767	856	502	7.8	912	-15 to +10	1.0	3/8	1/4	
UNE6187Z	571FA	A	CSIR	ok	ok	ok	C-V	1/3	481	600	737	894	1070	1153	562	3.4	1264	-15 to +10	1.1	3/8	1/4	
UNEK6187Z	573CA	A	CSIR	ok	ok	ok	C-V	1/3	441	536	679	804	969	1032	410	2.6	1154	-15 to +10	1.1	3/8	1/4	
UNE6187Z	571FG	G	CSIR	ok	ok	-	C-V	1/3+	571	717	878	1051	1231	1320	672	7.8	1429	-15 to +10	1.0	3/8	1/4	
UNE6187Z	571FN	N	CSIR	ok	ok	ok	C-V	1/3	481	600	737	894	1070	1153	562	6.3	1264	-15 to +10	1.1	3/8	1/4	
UNE6210Z	572FA	A	CSIR	ok	ok	ok	C-V	1/3+	543	634	822	980	1148	1228	564	3.3	1330	-15 to +10	1.1	3/8	1/4	
UNEK6210Z	573BA	A	CSIR	ok	ok	ok	C-V	1/3+	430	584	789	929	1065	1128	497	2.9	1203	-15 to +10	1.1	3/8	1/4	
UNE6210Z	572FG	G	CSIR	ok	ok	-	C-V	1/2-	580	739	911	1098	1300	1395	730	7.8	1516	-15 to +10	1.0	3/8	1/4	
UT5213Z	533CT	T	RSIR	ok	ok	-	C	1/2-	651	817	994	1180	1381	1477	745	4.5	1601	-15 to +10	-	3/8	1/4	
UT5213Z	533CG	G	RSIR	ok	ok	-	C	1/2	762	957	1163	1381	1616	1728	892	10.0	1873	-15 to +10	-	3/8	1/4	
UT6213Z	533DT	T	CSIR	ok	ok	ok	C-V	1/2-	651	817	994	1180	1381	1477	745	4.5	1601	-15 to +10	1.1	3/8	1/4	
UT6213Z	533DG	G	CSIR	ok	ok	-	C-V	1/2	762	957	1163	1381	1616	1728	892	10.3	1873	-15 to +10	1.0	3/8	1/4	
UT6215Z	536ZC	C	CSIR	ok	ok	ok	C-V	1/2	719	833	1040	1255	1473	1572	821	5.5	1699	-15 to +10	1.2	1/2	3/8	

Notes:
 * Version: V-2 - with receiver, with two valves (flare or weld connection) | V-3 - capillary version - without valves, without receiver | V-9 - V2 + selected accessories.
 ** Test Conditions: Ambient 32°C (90°F) | Max. subcooling 3°C (5°F) | Evaporator outlet and gas return 32°C (90°F).
 For electrical version D and G, version V-9 on request.

	FAN			FAN MOTOR			WEIGHT (Only Reference) kg / lb	OVERALL DIMENSIONS				CONDENSER		MODEL	
	O.D. mm / inch	No. & Angle of Blades	No. of Fans	Air Flow Rate	Rated Output	Rated Input		Rated Input	A	B	C	DRAWING NUMBER	No. OF ROWS		No. OF TUBES
				m ³ (h)	W	W		A	mm / inch	mm / inch	mm / inch				
	254 / 10.00	5/28°	1	670	25	110	1.10	26.5 / 58.4	465 / 18.31	340 / 13.39	296 / 11.65	1955185	3	11	UT6215Z
	254 / 10.00	5/28°	1	580	25	110	0.62	26.5 / 58.4	465 / 18.31	340 / 13.39	296 / 11.65	1955185	3	11	UT6215Z
	275 / 10.83	5/31°	1	800	34	110	0.75	34.7 / 76.5	477 / 18.78	410 / 16.14	324 / 12.76	1955186	4	12	U(N)J6220Z
	275 / 10.83	5/31°	1	900	25	80	0.55	34.7 / 76.5	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6220Z
	275 / 10.83	5/31°	1	900	25	80	1.10	34.7 / 76.5	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6220Z
	275 / 10.83	5/31°	1	800	34	110	0.75	37.5 / 82.7	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6226Z
	275 / 10.83	5/31°	1	900	25	80	0.55	37.5 / 82.7	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6226Z
	275 / 10.83	5/31°	1	850	34	100	0.38	34.7 / 76.5	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6220ZX
	275 / 10.83	5/31°	1	850	34	100	0.38	34.7 / 76.5	477 / 18.78	410 / 16.30	324 / 12.76	1955186	4	12	U(N)J6226ZX

	FAN			FAN MOTOR			WEIGHT (Only Reference) kg / lb	OVERALL DIMENSIONS				CONDENSER		MODEL	
	O.D. mm / inch	No. & Angle of Blades	No. of Fans	Air Flow Rate	Rated Output	Rated Input		Rated Input	A	B	C	DRAWING NUMBER	No. OF ROWS		No. OF TUBES
				m ³ (h)	W	W		A	mm / inch	mm / inch	mm / inch				
	200 / 7.87	5/28°	1	240	10	36	0.25	17.4 / 38.4	480 / 18.90 430 / 16.90	300 / 11.81 310 / 12.20	226 / 8.90 226 / 8.90	1955191 1955183	3	8	UNB6144E
	200 / 7.87	5/28°	1	240	10	36	0.25	17.4 / 38.4	480 / 18.90 430 / 16.90	300 / 11.81 310 / 12.20	226 / 8.90 226 / 8.90	1955191 1955183	3	8	UNB6152E
	230 / 9.06	5/28°	1	340	10	36	0.25	17.9 / 39.5	480 / 18.90 435 / 17.10	300 / 11.81 310 / 12.20	254 / 10.00 254 / 10.00	1955191 1955183	3	9	UNB6165E
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6181E
	254 / 10.00	5/28°	1	370	16	58	0.74	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6181E
	254 / 10.00	5/28°	1	370	16	58	0.74	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6195E
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6210E
	254 / 10.00	5/28°	1	370	16	58	0.74	20.5 / 45.2	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6210E
	254 / 10.00	5/28°	1	370	16	58	0.36	20.5 / 45.2	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6210E
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	505 / 19.88	340 / 13.39	296 / 11.65	1955190	3	11	UNE9213E
	254 / 10.00	5/28°	1	370	16	58	0.74	20.8 / 45.8	505 / 19.88	340 / 13.39	296 / 11.65	1955190	3	11	UNE9213E
	254 / 10.00	5/28°	1	370	25	110	0.75	20.8 / 45.8	505 / 19.88	340 / 13.39	296 / 11.65	1955190	3	11	UNE9213E
	275 / 10.83	5/31°	1	600	34	110	0.75	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217E
	275 / 10.83	5/31°	1	700	25	80	0.55	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217E
	275 / 10.83	5/31°	1	700	34	100	1.35	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217E
	275 / 10.83	5/31°	1	800	34	110	0.75	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220E
	275 / 10.83	5/31°	1	900	25	80	1.10	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220E
	275 / 10.83	5/31°	1	900	25	80	0.55	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220E
	275 / 10.83	5/31°	1	900	34	100	1.35	34.7 / 76.5	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6222E
	275 / 10.83	5/31°	1	900	25	80	0.55	34.7 / 76.5	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6222E
	300 / 11.81	5/28°	1	850	34	110	0.75	37.5 / 82.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226E
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	612 / 24.09	323 / 12.72	1955209	3	11	U(N)J9226E
	300 / 11.81	5/28°	1	980	25	80	0.55	37.5 / 82.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226E
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	612 / 24.09	323 / 12.72	1955209	3	11	U(N)J9226E
	300 / 11.81	5/28°	1	980	34	100	0.38	42.5 / 93.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226P
	300 / 11.81	5/28°	1	850	34	110	0.75	40.0 / 88.2	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9228F
	275 / 10.83	5/31°	1	800	34	110	0.75	42.5 / 93.7	477 / 18.78	410 / 16.14	324 / 12.76	1955186	4	12	UJ7228P
	300 / 11.81	6/27°	1	1200	60	120	1.10	42.8 / 94.3	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J7231F
	300 / 11.81	6/27°	1	1100	65	120	0.65	42.8 / 94.3	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J7231P
	300 / 11.81	6/27°	1	1200	60	120	1.10	43.8 / 96.6	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J9232E
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	44.0 / 97.0	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J9232E
	300 / 11.81	6/27°	1	1100	65	120	0.65	44.0 / 97.0	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J9232P
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	44.0 / 97.0	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J9232P
	350 / 13.78	4/18°	1	1200	60	120	1.10	45.3 / 99.9	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J7238E
	350 / 13.78	4/18°	1	1200	60	120	0.65	45.3 / 99.9	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J9238E
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	45.0 / 99.2	460 / 18.11	783 / 30.83	313 / 12.32	1955209	4	11	U(N)J9238E
	350 / 13.78	4/18°	1	1200	65	120	0.65	45.3 / 99.9	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J9238P
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	45.0 / 99.2	460 / 18.11	783 / 30.83	313 / 12.32	1955209	4	11	U(N)J9238P
	350 / 13.78	4/18°	1	1200	65	120	0.65	45.8 / 100.1	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J7240P
	350 / 13.78	4/18°	1	1200	60	120	0.65	46.8 / 103.2	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J7240F

R 404A / R 507 - MBP

MODEL	B.O.M.	ELECTRICAL VERSION	MOTOR TYPE	VERSION *			EXPANSIVE DEVICE	HP	PERFORMANCE / EVAPORATING TEMPERATURE °C - **											APPLICATION RANGE IN 43°C °C	RECEIVER VOLUME litre	VALVES TUBE LINE O.D.	
				V-2	V-3	V-9			-20	-15	-10	-5	0	5	RATED 7.2			10	SUCTION inch			LIQUID inch	
															W	W inP	RLA						W
UNB6144GK	684JA	A	CSIR	ok	ok	ok	C-V	1/6	228	283	341	402	467	537	570	362	2.3	610	-20 to 0	0.6	3/8	1/4	
UNB6144GK	684JG	G	CSIR	ok	ok	-	C-V	1/5	280	342	410	483	563	647	687	389	5.2	738	-20 to 0	0.5	3/8	1/4	
UNB6152GK	684MA	A	CSIR	ok	ok	ok	C-V	1/5	239	296	362	436	519	602	654	501	2.6	726	-20 to 0	0.6	3/8	1/4	
UNB6165GK	684OA	A	CSIR	ok	ok	ok	C-V	1/5	271	336	405	478	556	638	677	410	3.0	711	-20 to 0	1.1	3/8	1/4	
UNEK6165GK	683OA	A	CSIR	ok	ok	ok	C-V	1/4	382	429	504	588	660	771	805	471	2.5	867	-20 to 0	1.1	3/8	1/4	
UNB6165GK	684OG	G	CSIR	ok	ok	-	C-V	1/4	328	392	459	524	636	763	823	517	7.7	903	-20 to 0	1.0	3/8	1/4	
UNE6181GK	672UA	A	CSIR	ok	ok	ok	C-V	1/3	406	505	613	730	856	990	1052	590	3.5	1130	-20 to 0	1.1	3/8	1/4	
UNE6181GK	672UG	G	CSIR	ok	ok	-	C-V	1/2-	420	556	716	903	1115	1532	1480	582	7.2	1616	-20 to 0	1.0	3/8	1/4	
UNE6181GK	672UN	N	CSIR	ok	ok	ok	C-V	1/3	406	505	613	730	856	990	1052	590	3.5	1130	-20 to 0	1.0	3/8	1/4	
UNE6195GK	671WG	G	CSIR	ok	ok	-	C-V	1/2-	423	568	725	914	1122	1370	1500	565	7.9	1640	-20 to 0	1.0	3/8	1/4	
UNE6210GK	671YA	A	CSIR	ok	ok	ok	C-V	1/3	470	557	663	786	928	1087	1164	652	3.8	1265	-20 to 0	1.1	3/8	1/4	
UNEK6210GK	674CA	A	CSIR	ok	ok	ok	C-V	1/3+	581	670	665	886	1032	1228	1302	628	3.5	1428	-20 to 0	1.1	3/8	1/4	
UNE6210GK	671YD	D	CSIR	ok	ok	-	C-V	1/3+	519	690	852	1003	1144	1279	1329	652	3.8	1394	-20 to 0	1.1	3/8	1/4	
UNEK6213GK	659BA	A	CSIR	ok	ok	ok	C-V	1/2-	734	904	1064	1213	1352	1468	1532	1074	6.0	1787	-20 to 0	1.1	3/8	1/4	
UNE9213GK	673XA	A	CSR	ok	ok	ok	C-V	1/2-	626	785	945	1106	1267	1430	1502	843	3.9	1756	-20 to 0	1.2	3/8	1/4	
UNE9213GK	673XG	G	CSR	ok	ok	-	C-V	1/2	689	815	1016	1267	1480	1669	1741	1218	9.7	1827	-20 to 0	1.3	3/8	1/4	
UT6217GK	636VA	A	CSIR	ok	ok	ok	C-V	1/2+	719	931	1144	1365	1591	1822	1926	1102	5.1	2058	-20 to 0	2.3	1/2	3/8	
UT6217GK	636VG	G	CSR	ok	ok	-	C-V	2/3-	740	1023	1280	1515	1724	1854	1990	1283	14.3	2072	-20 to 0	2.3	1/2	3/8	
UT6217GK	636VD	D	CSIR	ok	ok	-	C-V	2/3-	740	1023	1280	1515	1724	1854	1990	1283	7.3	2072	-20 to 0	2.3	1/2	3/8	
UT6220GK	636RA	A	CSR	ok	ok	ok	C-V	3/4-	856	1106	1363	1626	1894	2170	2293	1212	5.6	2450	-20 to 0	2.3	1/2	3/8	
UT6220GK	636RG	G	CSR	ok	ok	-	C-V	3/4+	1002	1294	1595	1902	2216	2539	2683	1331	16.5	2867	-20 to 0	2.3	1/2	3/8	
UT6220GK	636RD	D	CSR	ok	ok	-	C-V	3/4+	1002	1294	1595	1902	2216	2539	2683	1134	7.9	2867	-20 to 0	2.3	1/2	3/8	
UT6222GK	636ZA	A	CSR	ok	ok	ok	C-V	3/4	1105	1370	1636	1899	2162	2424	2540	1419	6.8	2686	-20 to 0	2.3	1/2	3/8	
UT6222GK	636ZG	G	CSR	ok	ok	-	C-V	1-	1307	1530	1802	1900	2251	2712	3000	1426	17.1	3214	-20 to 0	2.3	1/2	3/8	
UT6222GK	636ZD	D	CSR	ok	ok	-	C-V	1-	1307	1530	1802	1900	2251	2712	3000	1426	9.5	3214	-20 to 0	2.3	1/2	3/8	
U(N)J9226GK	664LV (644LV)	V	CSR	ok	ok	ok	C-V	1-	1328	1537	1851	2179	2522	2879	3041	1403	6.4	3250	-20 to 0	2.3	5/8	3/8	
U(N)J9226GK	664LV (644LV)	V	CSR	ok	ok	ok	C-V	1-	1328	1537	1851	2179	2522	2879	3041	1403	6.4	3250	-20 to 0	2.3	5/8	3/8	
U(N)J9226GK	664LD (644LD)	D	CSR	ok	ok	-	C-V	1 1/6	1522	1745	2077	2338	2890	3508	3850	1432	9.7	4194	-20 to 0	2.3	5/8	3/8	
U(N)J9226GK	664LD (644LD)	D	CSR	ok	ok	-	C-V	1 1/6	1522	1745	2077	2338	2890	3508	3850	1432	9.1	4194	-20 to 0	2.3	5/8	3/8	
U(N)J9226GS	668LM (648LM)	M	3 Ph	ok	ok	ok	C-V	1-	1206	1523	1822	2094	2364	2616	2720	1300	3.9	2831	-20 to 0	2.3	5/8	3/8	
U(N)J9226GS	668LM (648LM)	M	3 Ph	ok	ok	ok	C-V	1-	1206	1523	1822	2094	2364	2616	2720	1300	3.9	2831	-20 to 0	2.3	5/8	3/8	
U(N)J9232GK	664FV (643NA)	A	CSR	ok	ok	ok	C-V	1	1422	1766	2115	2469	2830	3196	3361	1719	8.4	3569	-20 to 0	3.9	5/8	1/2	
U(N)J9232GK	664FV (643NA)	A	CSR	ok	ok	ok	C-V	1	1422	1766	2115	2469	2830	3196	3361	1719	8.5	3569	-20 to 0	2.3	5/8	1/2	
U(N)J9232GS	668FM (647NM)	M	3 Ph	ok	ok	ok	C-V	1	1467	1855	2219	2550	2879	3186	3365	1685	2.8	3448	-20 to 0	3.9	5/8	1/2	
U(N)J9232GS	668FM (647NM)	M	3 Ph	ok	ok	ok	C-V	1	1467	1855	2219	2550	2879	3186	3365	1709	3.7	3448	-20 to 0	2.3	5/8	1/2	
U(N)J9238GK	663UV (643RV)	V	CSR	ok	ok	ok	C-V	1 1/4	1748	2147	2560	3157	3434	3895	4104	2221	10.1	4372	-20 to 0	3.9	5/8	1/2	
U(N)J9238GK	663UV (643RV)	V	CSR	ok	ok	ok	C-V	1 1/4	1748	2147	2560	3157	3434	3895	4104	2221	10.4	4372	-20 to 0	2.3	5/8	1/2	
U(N)J9238GS	667UM (647RM)	M	3 Ph	ok	ok	ok	C-V	1 1/4	1817	2297	2748	3157	3565	3983	4166	2185	3.6	4269	-20 to 0	3.9	5/8	1/2	
U(N)J9238GS	667UM (647RM)	M	3 Ph	ok	ok	ok	C-V	1 1/4	1817	2297	2748	3157	3565	3983	4166	2215	4.8	4269	-20 to 0	2.3	5/8	1/2	

Notes:
 * Version: V-2 - with receiver, with two valves (flare or weld connection) | V-3 - capillary version - without valves, without receiver | V-9 - V2 + selected accessories.
 ** Test Conditions: Ambient 32°C (90°F) | Max. subcooling 3°C (5°F) | Evaporator outlet and gas return 32°C (90°F).
 For electrical version D and G, version V-9 on request.

General Information

Motor Type

Type	Description
RSIR	Resistive Start Inductive Run
RSCR	Resistive Start Capacitive Run
CSIR	Capacitive Start Inductive Run
CSR	Capacitive Start and Run
PSC	Permanent Split Capacitor
3 Ph	Three Phase

Expansion Device

Type	Description
C	Capillary
V	Expansion Valve

	FAN				FAN MOTOR			WEIGHT (Only Reference) kg / lb	OVERALL DIMENSIONS				CONDENSER		MODEL
	O.D. mm / inch	No. & Angle of Blades	No. of Fans	Air Flow Rate*	Rated Output	Rated Input	Rated Input		A	B	C	DRAWING NUMBER	No. OF ROWS	No. OF TUBES	
				m ³ (h)	W	W	A		mm / inch	mm / inch	mm / inch				
	200 / 7.87	5/28°	1	240	10	36	0.25	17.4 / 38.4	480 / 18.90	300 / 11.81	226 / 8.90	1955191	3	8	UNB6144GK
	200 / 7.87	5/28°	1	260	9	34	0.45	17.4 / 38.4	430 / 16.90	310 / 12.20	226 / 8.90	1955183			UNB6144GK
	200 / 7.87	5/28°	1	240	10	36	0.25	17.4 / 38.4	480 / 18.90	300 / 11.81	226 / 8.90	1955191	3	8	UNB6152GK
	200 / 7.87	5/28°	1	260	9	34	0.45	17.4 / 38.4	430 / 16.90	310 / 12.20	226 / 8.90	1955183			UNB6152GK
	230 / 9.06	5/28°	1	340	10	36	0.25	17.9 / 39.5	480 / 18.90	300 / 11.81	254 / 10.00	1955191	3	9	UNB6165GK
	230 / 9.06	5/28°	1	340	10	36	0.25	17.9 / 39.5	435 / 17.10	310 / 12.20	254 / 10.00	1955183			UNB6165GK
	230 / 9.06	5/28°	1	370	9	34	0.45	17.9 / 39.5	435 / 17.10	310 / 12.20	254 / 10.00	1955183	3	9	UNB6165GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6181GK
	254 / 10.00	5/28°	1	370	16	58	0.74	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6181GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6181GK
	254 / 10.00	5/28°	1	370	16	58	0.74	20.0 / 44.1	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6195GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6210GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNEK6210GK
	254 / 10.00	5/28°	1	370	16	58	0.36	20.5 / 45.2	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNE6210GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	465 / 18.31	340 / 13.39	296 / 11.65	1955184	3	11	UNEK6213GK
	254 / 10.00	5/28°	1	320	16	60	0.42	20.8 / 45.8	505 / 19.88	340 / 13.39	296 / 11.65	1955190	3	11	UNE9213GK
	254 / 10.00	5/28°	1	370	16	58	0.74	20.8 / 45.8	505 / 19.88	340 / 13.39	296 / 11.65	1955190	3	11	UNE9213GK
	275 / 10.83	5/31°	1	600	34	110	0.75	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217GK
	275 / 10.83	5/31°	1	700	34	100	1.35	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217GK
	275 / 10.83	5/31°	1	700	25	80	0.55	31.7 / 39.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	3	12	UT6217GK
	275 / 10.83	5/31°	1	800	34	110	0.75	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220GK
	275 / 10.83	5/31°	1	900	25	80	1.10	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220GK
	275 / 10.83	5/31°	1	900	25	80	0.55	32.2 / 70.9	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6220GK
	275 / 10.83	5/31°	1	800	34	110	0.75	34.7 / 76.5	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6222GK
	275 / 10.83	5/31°	1	900	34	100	1.35	34.7 / 76.5	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6222GK
	275 / 10.83	5/31°	1	900	25	80	0.55	34.7 / 76.5	495 / 19.49	410 / 16.14	324 / 12.76	1955194	4	12	UT6222GK
	300 / 11.81	5/28°	1	850	34	110	0.75	37.5 / 82.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	612 / 24.09	323 / 12.72	1955209	3	11	U(N)J9226GK
	300 / 11.81	5/28°	1	980	34	100	0.65	37.5 / 82.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	612 / 24.09	323 / 12.72	1955209	3	11	U(N)J9226GK
	300 / 11.81	5/28°	1	980	34	100	0.38	42.5 / 93.7	507 / 19.96	410 / 16.14	390 / 15.35	1955195	4	14	U(N)J9226GS
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	40.0 / 88.2	440 / 17.32	612 / 24.09	323 / 12.72	1955209	3	11	U(N)J9226GS
	300 / 11.81	6/27°	1	1100	60	120	1.10	42.3 / 93.2	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J9232GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	44.0 / 97.0	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J9232GK
	300 / 11.81	6/27°	1	1100	65	120	0.65	43.8 / 96.5	600 / 23.62	503 / 19.80	396 / 15.59	1955160	3	14	U(N)J9232GS
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	44.0 / 97.0	440 / 17.32	783 / 30.83	313 / 12.32	1955209	3	11	U(N)J9232GS
	350 / 13.78	4/18°	1	1200	60	120	1.10	45.3 / 99.9	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J9238GK
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	45.0 / 99.2	460 / 18.11	783 / 30.83	313 / 12.32	1955209	4	11	U(N)J9238GK
	350 / 13.78	4/18°	1	1200	60	120	1.10	45.3 / 99.9	600 / 23.62	503 / 19.80	421 / 16.57	1955160	4	15	U(N)J9238GS
	2x254/10.00	5/28°	2	1400	2x16	2x60	2x0.42	45.0 / 99.2	460 / 18.11	783 / 30.83	313 / 12.32	1955209	4	11	U(N)J9238GS

Electrical Version

Type	Description
A	220-240V 50Hz
D	208-230V 60Hz
G	115V 60Hz (100V 50Hz)
M	380-420V 50Hz (440-480V 60Hz)
N	200-240V 50Hz (230V 60Hz)
V	230V 50Hz

AVAILABLE ACCESSORIES

R 134a - LBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	OIL SEPARATOR TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNB1112Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB1116Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB2116Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNB1118Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB2118Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNE1121Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNE2121Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNE1130Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNE2130Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UT2134Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT1140Z	SM2/30	-	-	-	-	-	-	-	1.022.022	1.957.003	2.258.036
UT2140Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UJ2152Z	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036

Notes:

Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.

Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

R 400A / R 507 - LBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	OIL SEPARATOR TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNB2121GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNE2125GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNEK2125GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNE2134GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNEK2134GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNEK2150GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UT2155GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT2168GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT2178GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT2180GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UJ2192GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ2192GS	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ2212GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ2212GS	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	-

Notes:

Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.

Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

R 22 - LBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	OIL SEPARATOR TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNE2125E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UNE2134E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	-	A08-304	-	1.022.022	1.957.003	2.258.064
UT2140E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT2155E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT2168E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UJ2178E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ2190E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	Temprite 900	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036

Notes:

Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.

Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

R 134a - HBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNB5125Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB5128Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB5132Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNB5144Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNES160Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNES160Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNES160Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNE6160Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNES170Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNES187Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.064
UNE6170Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6187Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6210Z	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UT5213Z	SM2/30	-	-	-	-	-	-	1.022.022	1.957.003	2.258.036
UT6213Z	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT6215Z	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UJ6220Z	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ6220ZX	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ6226Z	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ6226ZX	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-

Notes:

Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.
Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

R 22 - M/HBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNB6144E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNB6152E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNB6165E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6181E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6195E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6210E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE9213E	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT6217E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UT6220E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UT6222E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ9226E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ9226P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ7228F	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ7228P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ7231F	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ7231P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ9232E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ9232E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ9232P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ9238E	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UJ9238P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ7240P	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
UJ7240F	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036

Notes:

Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.
Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

AVAILABLE ACCESSORIES

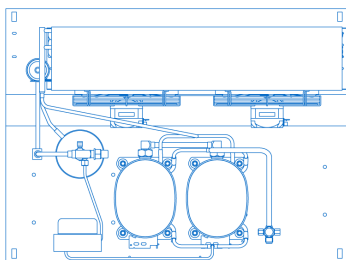
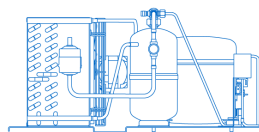
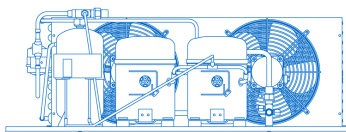
R 404A / R 507 - MBP

MODEL	FILTER DRIER (1) TYPE	FILTER DRIER (2) TYPE	SIGHT GLASS TYPE	PRESSURE CONTROL TYPE	SOLENOID VALVE TYPE	SUCTION ACCUMULATOR TYPE	FAN SPEED CONTROLLER TYPE	SCHRADER VALVE CODE	HOUSING CODE	POWER CORD CABLE CODE
UNB6144GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNB6152GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNB6165GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6181GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6195GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE6210GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNEK6213GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.064
UNE9213GK	SM2/30	ADK-036MMS	MIAM06	ALCO PS2 A7A	110 RB 2	A08-304	FSX-42U	1.022.022	1.957.003	2.258.036
UT6217GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UT6220GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
UT6222GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
U(N)J9226GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
U(N)J9226GS	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
U(N)J9232GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
U(N)J9232GS	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-
U(N)J9238GK	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	2.258.036
U(N)J9238GS	SM2/30	ADK-0510MMS	MIAM10	ALCO PS2 A7A	200 RB 3	A08-304	FSX-42U	1.022.022	1.957.004	-

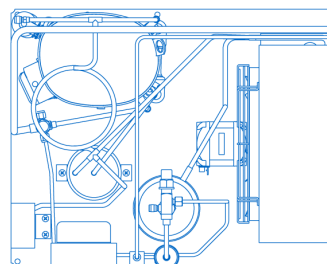
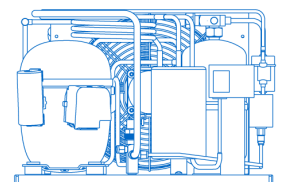
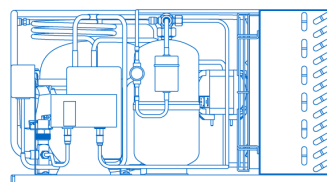
Notes:
 Accessories (drier, sight glass, pressure controls, suction accumulator, fan speed controller and solenoid valve) supplied by Alco.
 Components from other suppliers are available upon request. Thermostat cable available upon request. AC Axial fan motor EBM upon request. Energy saving motor EBM on request.

EXTERNAL VIEWS - With Accessories and Special Versions* (Examples)

Gemini UT Serie



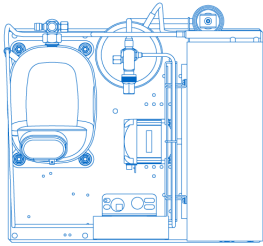
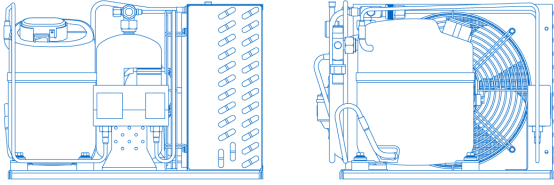
UNT Serie



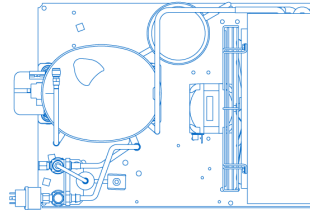
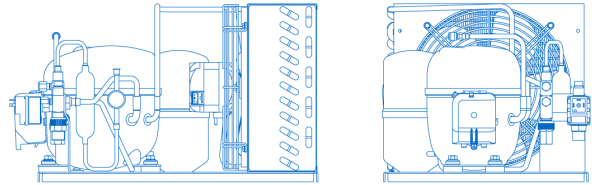
* Those versions are customized and created on request of customer.

EXTERNAL VIEWS - With Accessories and Special Versions* (Examples)

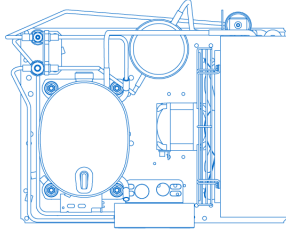
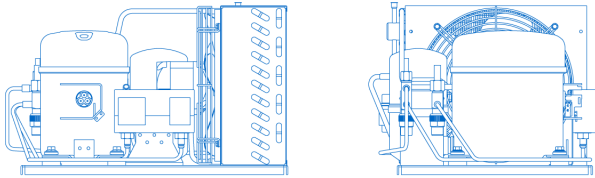
UJ Serie



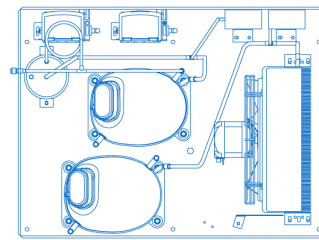
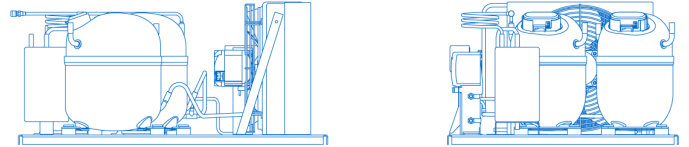
UNE Serie



UT Serie



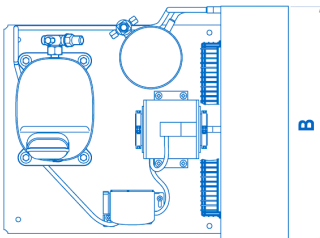
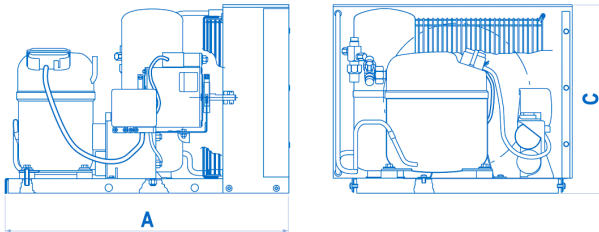
Gemini UNJ Serie



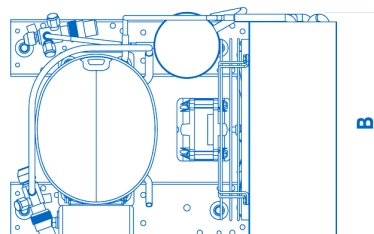
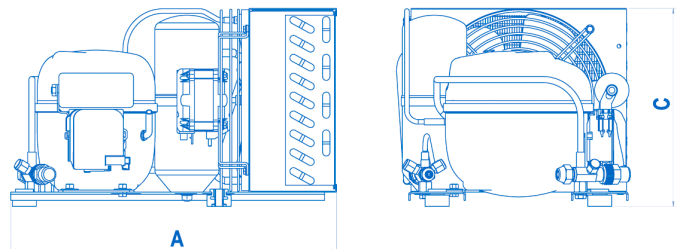
* Those versions are customized and created on request of customer.

EXTERNAL VIEWS - Standard Versions

1.955.160

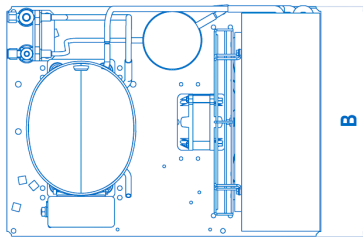
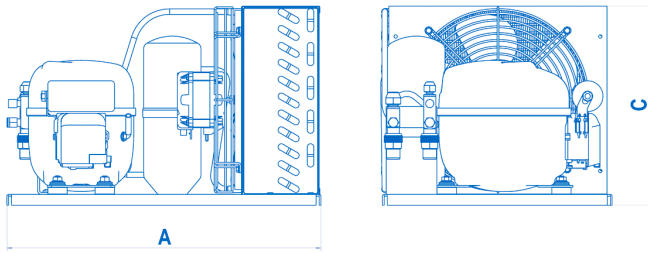


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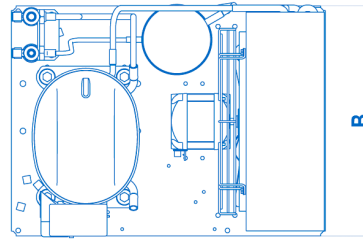
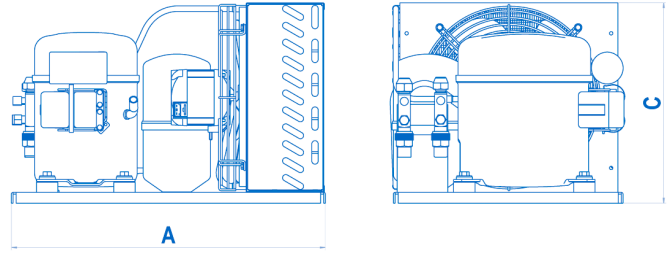


EXTERNAL VIEWS - Standard Versions

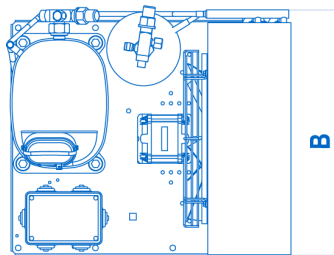
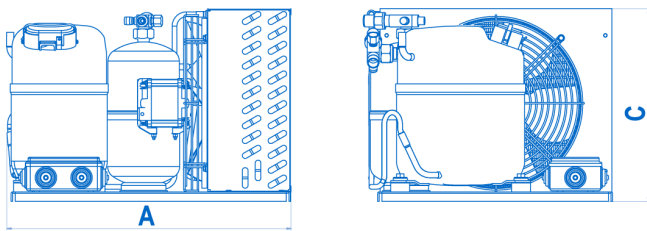
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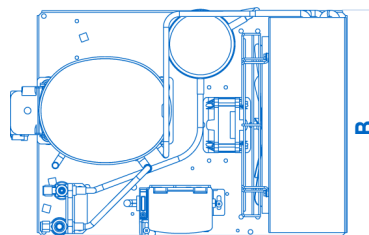
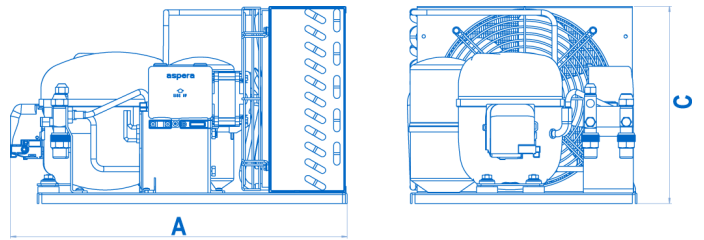
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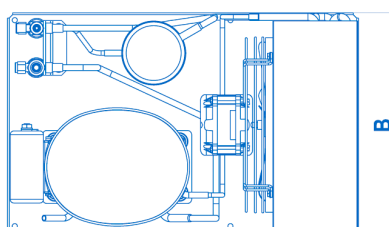
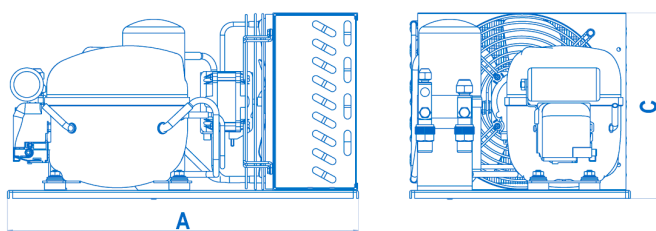
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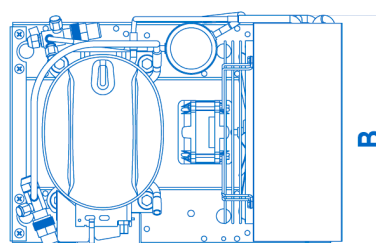
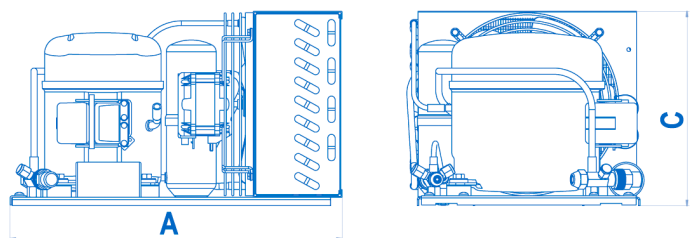
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1.955.191

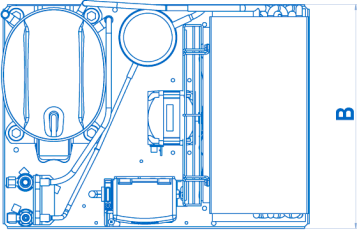
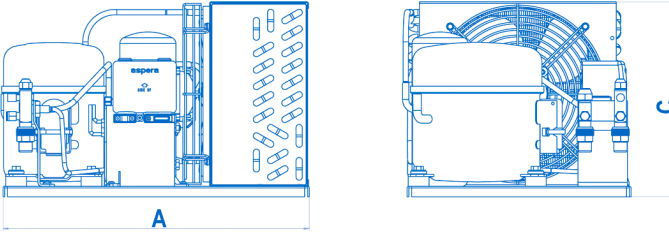


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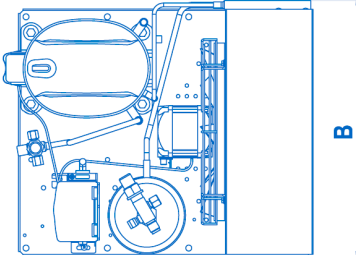
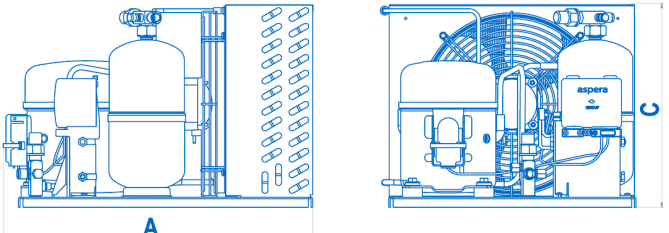


EXTERNAL VIEWS - Standard Versions

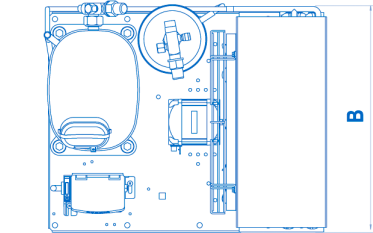
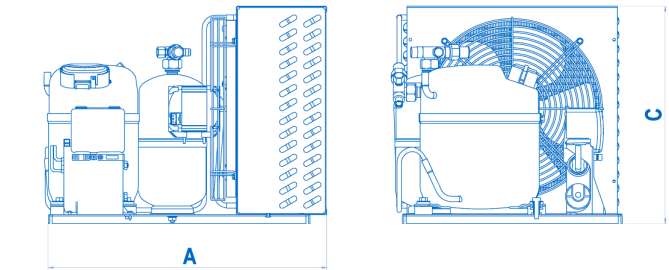
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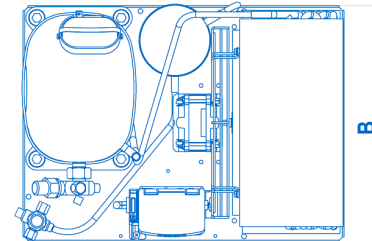
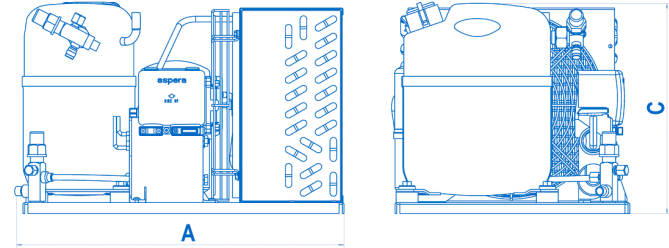
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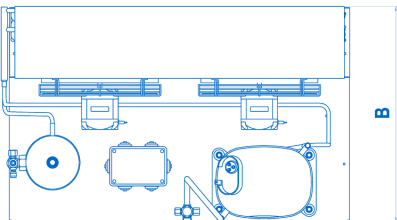
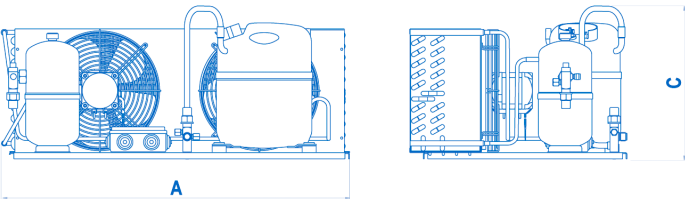
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1.955.196

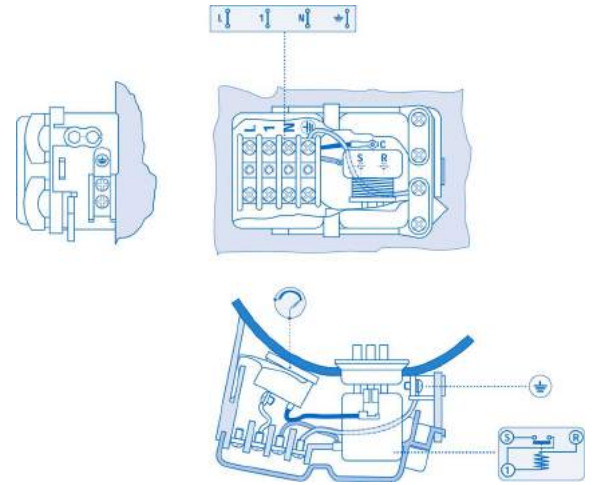
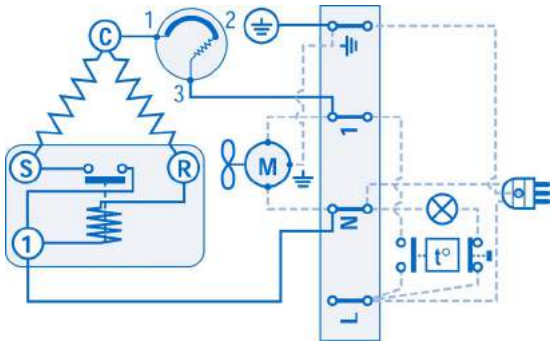


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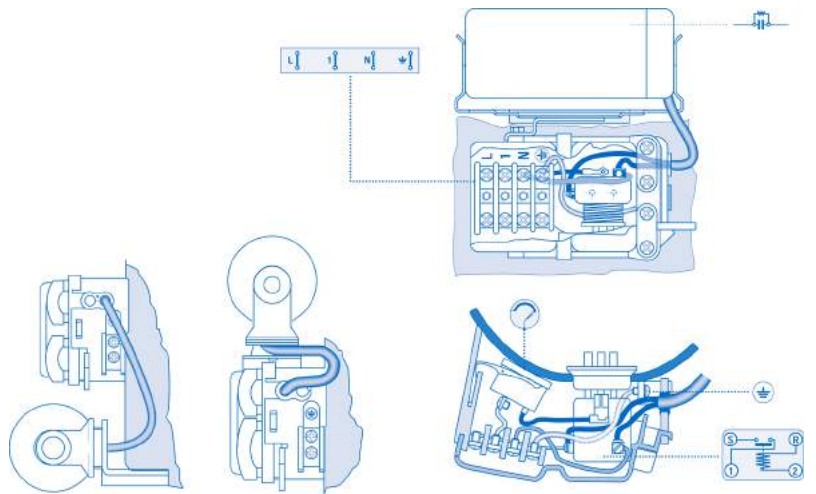
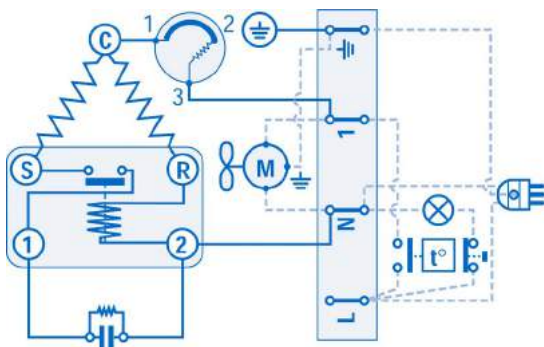


WIRING DIAGRAMS

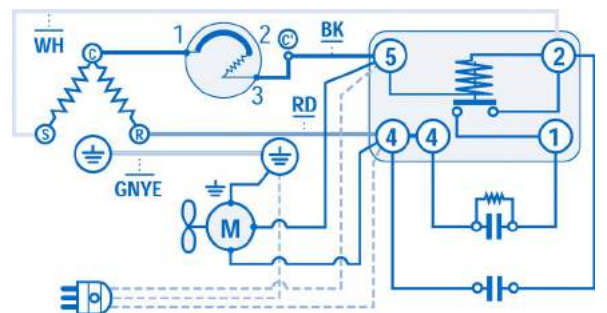
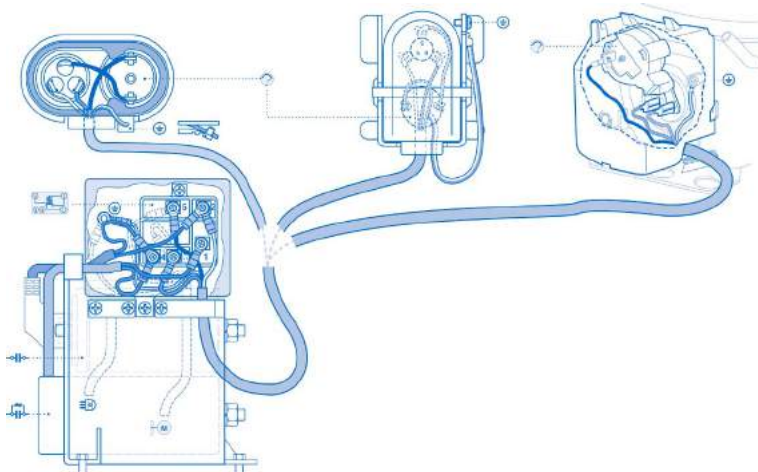
RSIR Electrical Hookup UT - UNE - UNB



CSIR Electrical Hookup UT - UNE - UNB

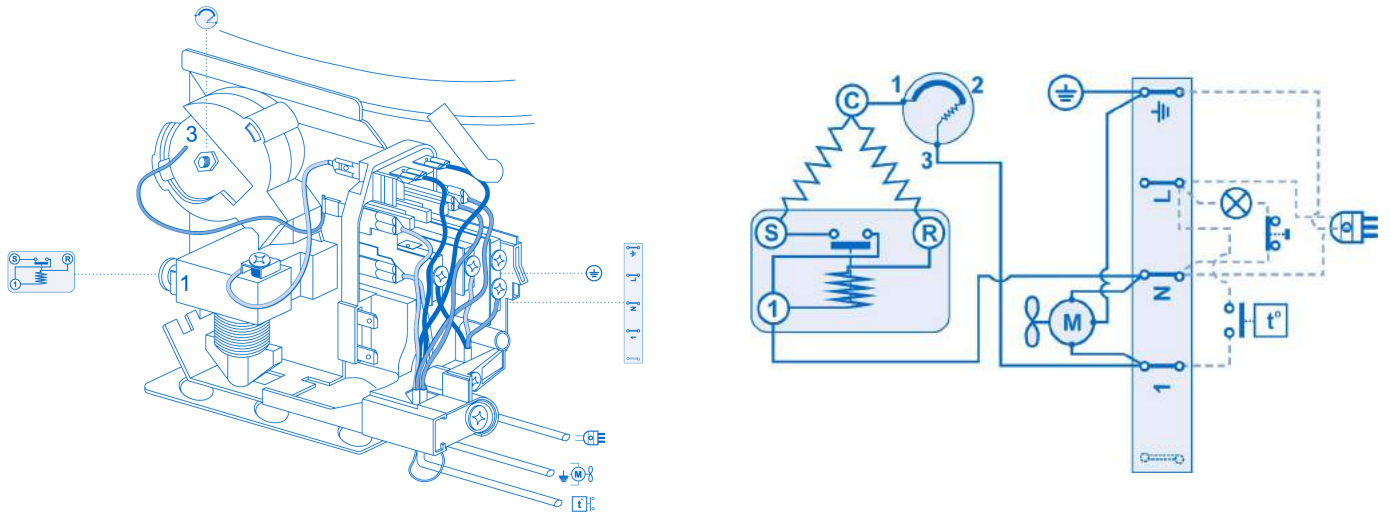


CSR Electrical Hookup UJ - UT - UNE

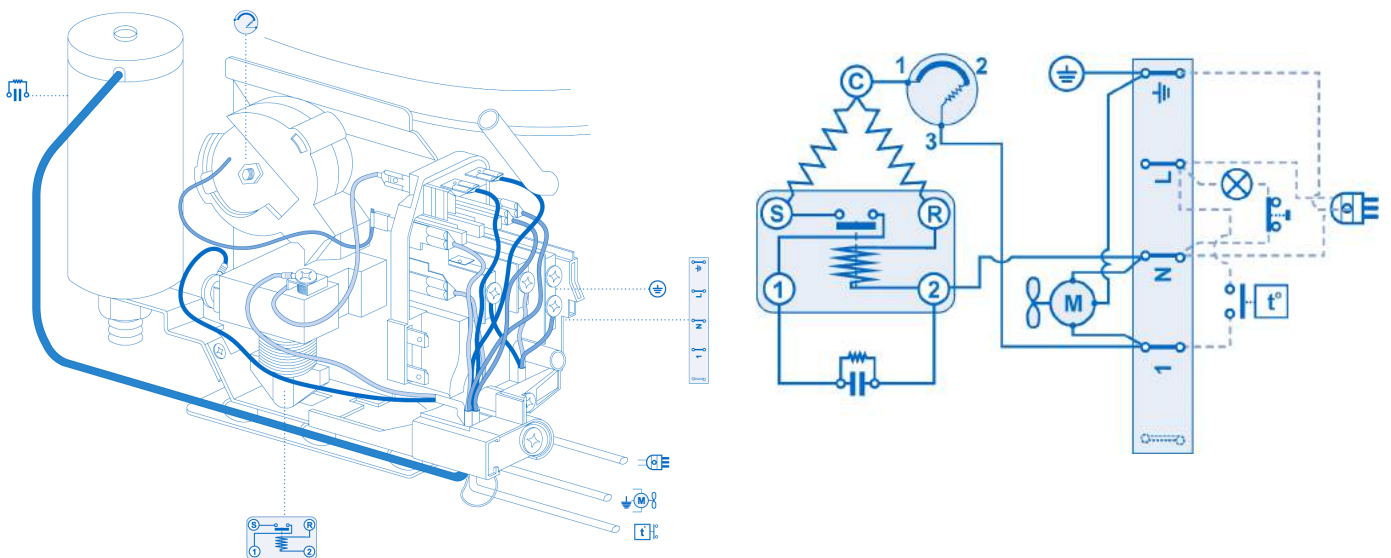


WIRING DIAGRAMS

RSIR Electrical Hookup UNE - UNB



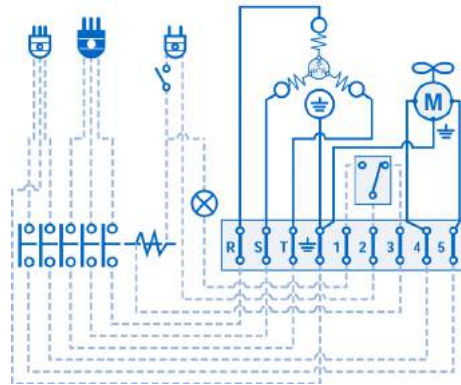
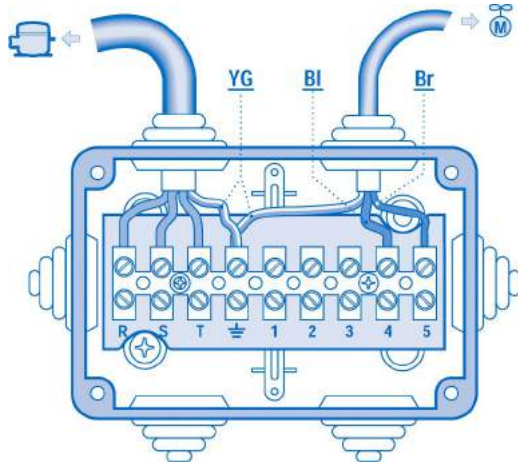
CSIR Electrical Hookup UNE - UNB



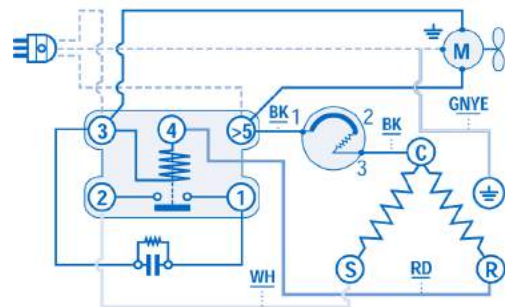
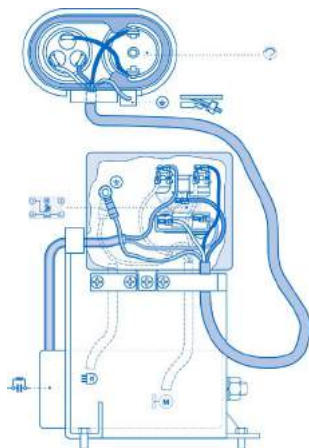
WIRING DIAGRAMS



3 PHASE Electrical Hookup UJ



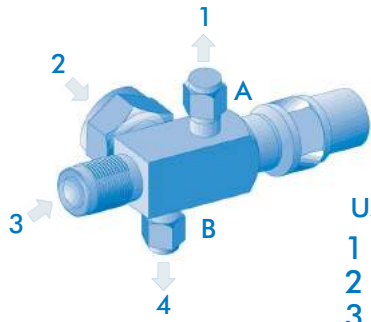
CSIR Electrical Hookup UJ



LEGEND

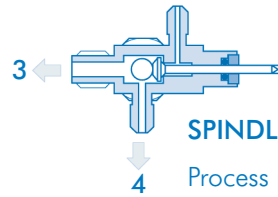
C Common	R Run	WH White	RD Red
S Start	C' Common (internal overload protection)	GNYE Green - Yellow	BL Blue
		BK Black	BR Brown
Overload protector	Start relay		
Fan motor	Thermostat	Earth connection	Terminal box
Lamp	Switch	High / Low pressure switch	

ROTALOCK VALVES



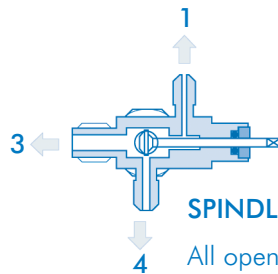
UJ VALVES

- 1 Process and manometer
- 2 Connection to compressor or receiver
- 3 Main connection
- 4 Pressostat port



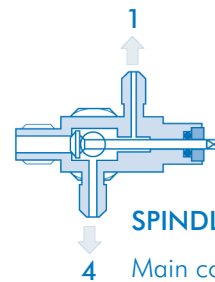
SPINDLE BACK POSITION

Process port closed



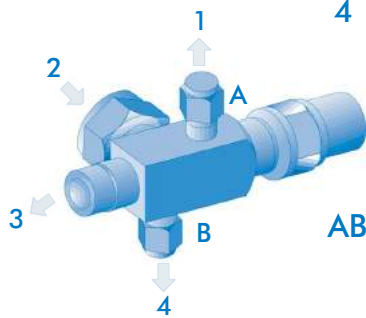
SPINDLE MIDDLE POSITION

All open

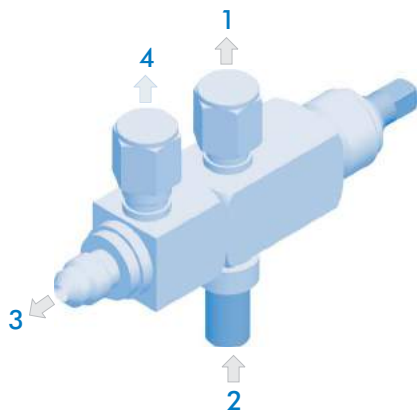


SPINDLE FRONT POSITION

Main connection closed

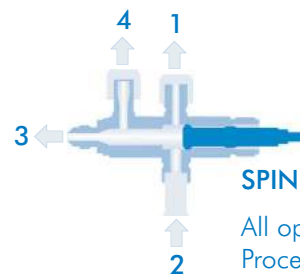


AB Hexagonal blind nuts
(tightening torque 10.8 - 16.3 Nm)



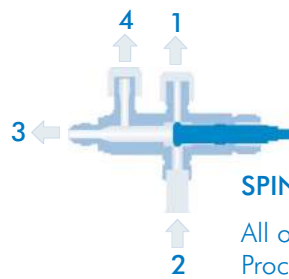
VALVES FIXED ON BRACKET

- 1 Pressostat connection (always open)
- 2 Connection to compressor or receiver
- 3 Main connection
- 4 Process and manometer closed with schrader valve



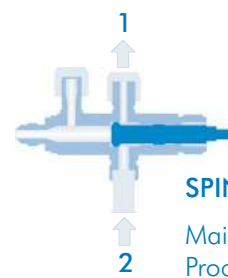
SPINDLE BACK POSITION

All open
Process port closed by schrader



SPINDLE MIDDLE POSITION

All open
Process port closed by schrader



SPINDLE FRONT POSITION

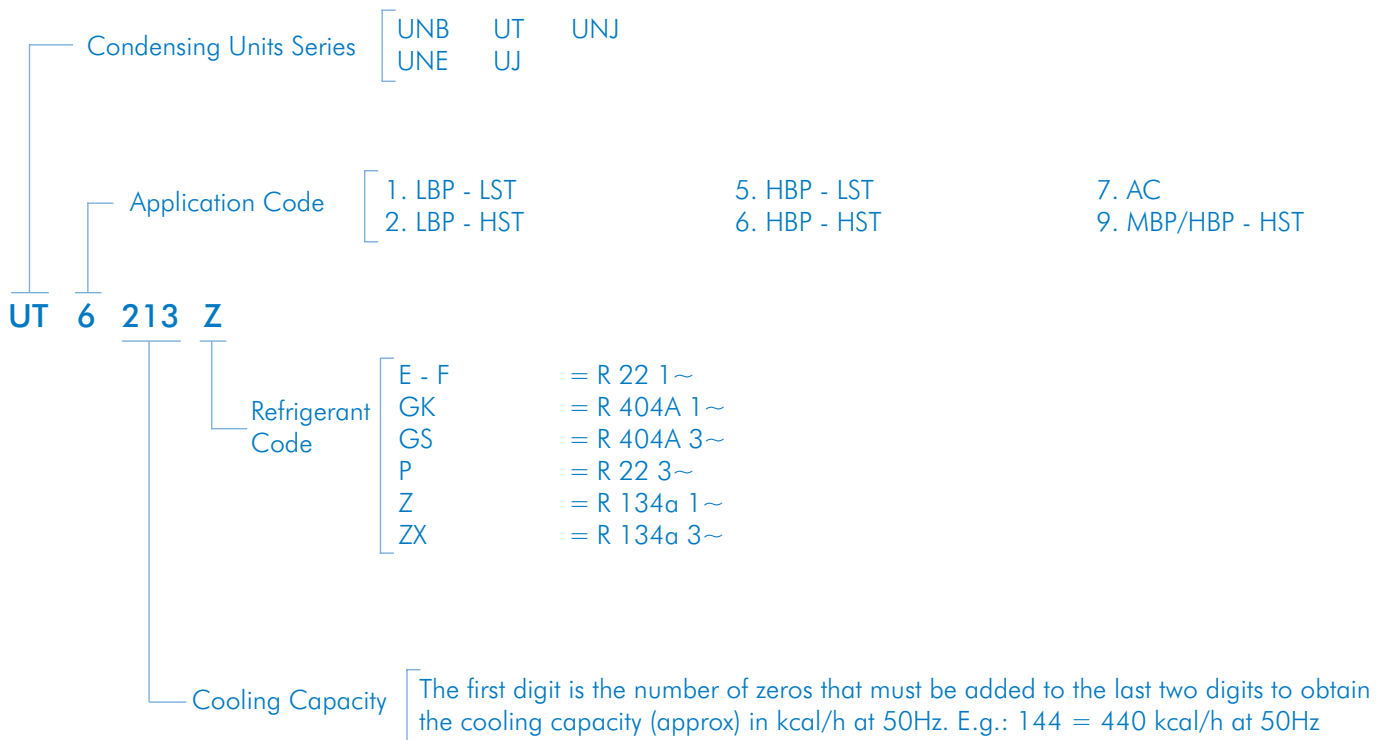
Main connection closed
Process port closed by schrader

RECOMMENDED TORQUE FOR ALL TYPES OF VALVES

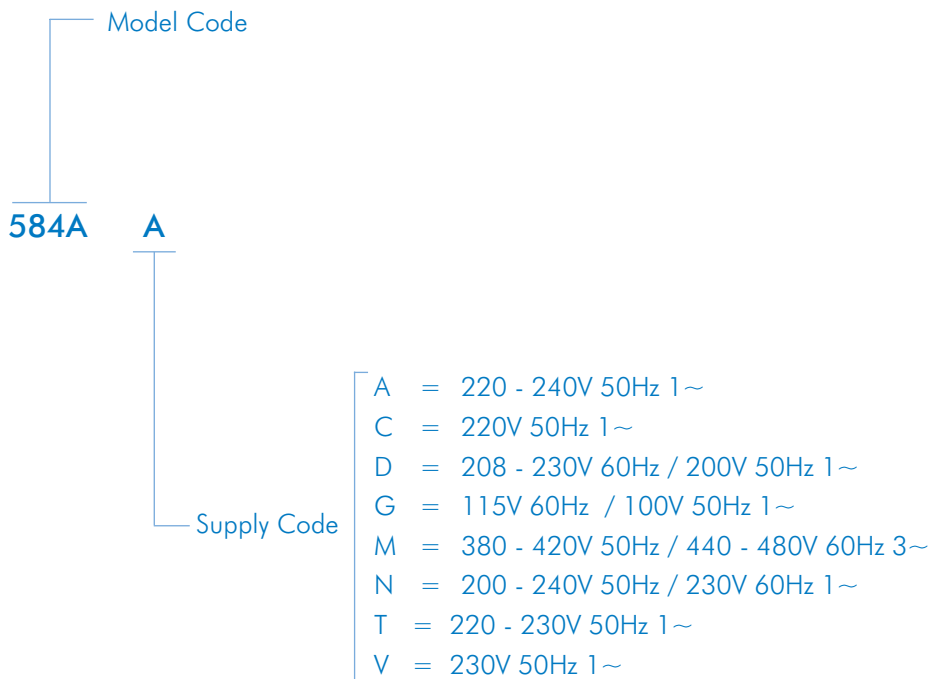
VALVE NOMINAL DIMENSION (SAE)	SPINDLE TORQUE (Nm)
1/4"	8.5 - 13.5
3/8"	8.5 - 13.5
1/2"	8.5 - 13.5
5/8"	8.5 - 13.5

NOMENCLATURE

CONDENSING UNIT MODEL



BILL OF MATERIAL (B.O.M.)





Brazil

Rui Barbosa, 1020 - P.O. BOX 91
89219-901 - Joinville - SC - Brazil
Phone: +55 47 3441-2121
Fax: +55 47 3441-2780



Italy

Via Buttigliera 6
10020 - Riva Presso Chieri (Torino) - Italy
P.O. BOX 151 - 10023 Chieri (TO)
Phone: +39 011 943-7111
Fax: +39 011 946-8377
+39 011 946-9950



Slovakia

Odorínska Cesta, 2 - 052-01
Spišská Nová Ves - Slovakia
Phone: +42 153 417-2291
+42 153 417-2293
Fax: +42 153 417-2299

Europe - Sales Office
Zona Industriale D1 - Via Fratelli Gambino, 7
10023 - Chieri (Torino) - Italy
Phone: +39 011 940-5611
Fax: +39 011 940-5656



U.S.A.

2800 Vista Ridge Drive NE
Suwanee, GA 30024-3510
Phone: +1 678 804 1337
Fax: +1 678 804 1338

México - Sales Office
Torre Alestra, Piso 3 - Office 373
Av. Lázaro Cárdenas 2321 Pte.
P.O. BOX 66260 - San Pedro Garza García
Nuevo León - México
Phone: +52 81 1001-7102
Fax: +52 81 1001-7142



China

29 Yuhua Road
Area B of Beijing Tianzhu Airport Industrial Zone
101312 - Beijing - China
Phone: +86 10 8048-2255
Fax: +86 10 6725-6825

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