



COMMERCIAL REFRIGERATION

HOUSED CONDENSING UNITS

Winning time!



The housed condensing units range: you can always rely on it.

Ask your distributor for more information.

Sales head office

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**TECUMSEH
EUROPE**

TOGETHER WE WILL GO FURTHER



Winning time!

Applications.

Housed units are particularly suited to cold rooms, fresh product storage, beer cellars, milk coolers and numerous other applications. Placed outdoors, the units can be located either close to or at a distance from the evaporator.

Characteristics of housed units.

- Compressor: reciprocating piston with 1 or 2 cylinders
- Refrigerants: R-134a, R-404A
- Condenser: corrosion free copper and aluminium
- Fan motors: IP 40 or IP 44 depending on models, single phase with aluminium fan blades
- Electrical connection: "Senior" IP 44 electrical box and double isolation
- Refrigerant connections:
 - Low side: base mount suction valve for the CAE range; rotalock suction valves for the CAJ/TAJ and FH/TFH ranges
 - High side: at liquid sight glass.

Housed: safety and efficiency.

- Provides protection against weather and damage
- Guarantees the safety of the installation
- Easy access
- Aesthetic and well thought out design.



Capacity range of housed units in Watts.

High temperature refrigeration
Refrigerating capacity at T° evap.: +7,2°C*

R-134a 1081 5424

R-404A 1222 5127

*Ambient= +32°C. Evaporator outlet and suction gas superheat= +11 K

Low temperature refrigeration
Refrigerating capacity at T° evap.: -23,3°C*

R-404A 684 2892

*Ambient= +32°C. Evaporator outlet and suction gas superheat= +32°C

The L'Unité Hermétique® condensing units are available in a wide range of voltages and frequencies. These units also exist in high temperature models.





Housed units R-134a

Model	Voltage	Dimensions L x w x h (mm)	Refrigerating capacity (W) at T° ambient= +32°C			Acoustic level dB(A)	Ø Connection sizes			
			-15°C	+7,2°C	+15°C		Suction mm/inches		Liquid outlet mm/inches	
CAE4440YHHR CAR	A C F G H	650 x 500 x 460	433	1081	1375	65	9,5	3/8"	6,35	1/4"
CAE4448YHR CAR	A C F G H	650 x 500 x 460	486	1186	1482	64	9,5	3/8"	6,35	1/4"
CAE4456YHR CAR	A C F G H	650 x 500 x 460	538	1319	1669	66	9,5	3/8"	6,35	1/4"
CAJ/TAJ4461YHR CAR	A C F G H T	650 x 500 x 460	620	1469	1843	67	12,7	1/2"	6,35	1/4"
CAJ4476YHR CAR	A C F G H	650 x 500 x 460	750	1867	2393	69	12,7	1/2"	9,5	3/8"
CAJ/TAJ4492YHR CAR	A C F G H T	650 x 500 x 460	925	2229	2776	67	12,7	1/2"	9,5	3/8"
CAJ/TAJ4511YHR CAR	C F G H T	650 x 500 x 460	1216	2687	3370	68	15,9	5/8"	9,5	3/8"
FH/TFH4518YHR CAR	F G H K T	830 x 700 x 570	1791	4488	5848	75	15,9	5/8"	9,5	3/8"
FH/TFH4525YHR CAR	F G H K T	830 x 700 x 570	2128	5424	6945	77	15,9	5/8"	9,5	3/8"

Components.

- filter-drier (screw threaded)
- liquid line sight glass (for brazing)
- rotalock valve for brazing connection
- "Senior" electrical box for electrical components
- liquid receiver
- mini pressure HBP and LBP switches for HBP units with small housing (650x500x460)
- adjustable pressure switch HBP/LBP for HBP units with large housing (830x700x570)
- crankcase heater.

Voltage and range of operation.

Code		A	C	F	G	H	K	M	Q	S	T
Phase		1 ~	1 ~	1 ~	1 ~	1 ~	3 ~	1 ~	3 ~	1 ~	3 ~
Rated	50 Hz	100 V	208 V	220-240 V	208-220 V	-	220 V	100 V	200 V	240 V	400 V
	60 Hz	115 V	230 V	-	-	208-220 V	220 V	100 V	200 V	-	440 V
Approved range	50 Hz	90-110 V	187-230 V	198-264 V	180-242 V	-	180-253 V	90-110 V	180-220 V	225-254 V	340-440 V
	60 Hz	103-127 V	207-253 V	-	-	180-242 V	187-264 V	90-110 V	180-220 V	-	396-499 V

Contact us for M, Q and S voltages.

Housed units R-404A

	Model	Voltage	Dimensions L x w x h (mm)	Refrigerating capacity (W) at T° ambient= +32°C			Acoustic level dB(A)	Ø Connection sizes			
				-40°C	-23,3°C	-10°C		Suction mm/inches		Liquid outlet mm/inches	
	CAE2424ZBR CAR	A F G H	650 x 500 x 460	298	684	1057	65	9,5	3/8"	6,35	1/4"
	CAJ/TAJ2428ZBR CAR	A F G H T	650 x 500 x 460	254	659	1062	66	12,7	1/2"	6,35	1/4"
	CAJ2432ZBR CAR	A F G H	650 x 500 x 460	291	772	1214	66	12,7	1/2"	6,35	1/4"
N	CAJ2440ZBR CAR	F	650 x 500 x 460	395	910	1417	68	12,7	1/2"	9,5	3/8"
	CAJ/TAJ2446ZBR CAR	A F G H T	650 x 500 x 460	553	1247	1989	71	12,7	1/2"	9,5	3/8"
	CAJ/TAJ2464ZBR CAR	A F G H T	650 x 500 x 460	653	1471	2274	72	15,9	5/8"	9,5	3/8"
	FH/TFH2480ZBR CAR	F G H K T	830 x 700 x 570	852	2223	3417	76	15,9	5/8"	9,5	3/8"
	FH/TFH2511ZBR CAR	F G H T	830 x 700 x 570	992	2892	4485	78	15,9	5/8"	9,5	3/8"
				-15°C	+7,2°C	+10°C					
	CAE9450ZMHR CAR	A F G H	650 x 500 x 460	552	1222	1327	66	9,5	3/8"	6,35	1/4"
	CAE9460ZMHR CAR	A F G H	650 x 500 x 460	659	1368	1472	66	9,5	3/8"	6,35	1/4"
	CAE9470ZMHR CAR	A F G H	650 x 500 x 460	847	1775	1915	69	9,5	3/8"	6,35	1/4"
	CAJ/TAJ9480ZMHR CAR	A F G H T	650 x 500 x 460	975	1992	2146	69	12,7	1/2"	9,5	3/8"
	CAJ/TAJ9510ZMHR CAR	A F G H T	650 x 500 x 460	1183	2398	2584	69	15,9	5/8"	9,5	3/8"
	CAJ/TAJ9513ZMHR CAR	A F G H T	650 x 500 x 460	1417	2869	3079	68	15,9	5/8"	9,5	3/8"
	CAJ/TAJ4517ZHR CAR	F G H T	830 x 700 x 570	1757	3677	3960	75	15,9	5/8"	9,5	3/8"
	CAJ/TAJ4519ZHR CAR	F G H T	830 x 700 x 570	2282	4643	5008	75	15,9	5/8"	9,5	3/8"
	FH/TFH4522ZHR CAR	F K T	830 x 700 x 570	2142	4676	5041	75	15,9	5/8"	9,5	3/8"
	FH/TFH4524ZHR CAR	F G H K T	830 x 700 x 570	2397	5127	5529	76	15,9	5/8"	9,5	3/8"

Components.

- filter-drier (screw threaded)
- liquid line sight glass (for brazing)
- rotalock valve for brazing connection
- "Senior" electrical box for electrical components
- liquid receiver
- mini pressure HBP and LBP for HBP units with small housing (650x500x460)
- adjustable pressure switch HBP/LBP for HBP units with large housing (830x700x570)
- adjustable LBP pressure switch and HBP mini pressure switch for LBP units
- crankcase heater.

Voltage and range of operation.

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Phase		1~	1~	1~	1~	1~	3~	1~	3~	1~	3~
Rated	50 Hz 60 Hz	100 V 115 V	208 V 230 V	220-240 V -	208-220 V -	- 208-220 V	220 V 220 V	100 V 100 V	200 V 200 V	240 V -	400 V 440 V
Approved range	50 Hz 60 Hz	90-110 V 103-127 V	187-230 V 207-253 V	198-264 V -	180-242 V -	- 180-242 V	180-253 V 187-264 V	90-110 V 90-110 V	180-220 V 180-220 V	225-254 V -	340-440 V 396-499 V

Contact us
for M, Q and S voltages.