

Air Cooled Semi-Hermetic Chiller

Ecogreen[™]
Ultra Compact Series



Superior Full-And Part-Load Performance

- **21.4 to 34.4 Ton**
- HFC Refrigerant R-410-A
- Carlyle Semi-Hermetic Serviceable Compressor
- High Efficient Valve Design – Designed For Newer r410a HFC Refrigerants (Versus Fixed Vi Of Scroll)
- Electronic Temperature Controls
- Shell And Cooper Tubes Heat Exchanger
- Micro channel Aluminum Condenser
- 0°F To 65°F Glycol/Water Temperatures
- 50/60 Hz Available
- One Chiller Meets All Industrial Temperature Applications!
- -40°F To 0°F Options
- Belt Free, External Shaft Free Axial Fans
- Electronic Oil Pressure Sensor

Options

- Variable speed Frequency compressors
- EC Electronic Commutated Fan Motors
- Stainless Steel Brazed Plate Heat Exchanger
- Titanium Shell and Tube Heat Exchanger
- Stainless Steel pumps and Recirculating tank Kit

Tabla de capacidades a diferentes temperaturas de agua

*Solicitar por
fabricación especial

Modelo	Process Temperature		Medium Temperature		Medium-Low Temperature		Low Temperature	
	At 55f° (12.5c°)		At 45f° (7c°)		At 32°F (0c°)		At 0°F (-18c°)	
	Capacity Ton	Capacity Kw	Capacity Ton	Capacity Kw	Capacity Ton	Capacity Kw	Capacity Ton	Capacity Kw
ECCLASH0022	21.4	74.9	16.8	58.8	12	42	6.44	22.55
ECCLASH0026	25.2	88.2	20	70	14.54	50.86	8	28
ECCLASH0031	29.8	104.3	23.8	83.3	17.52	61.32	9.82	34.37
ECCLASH0036	34.4	120.4	27.8	97.3	20.52	71.82	11.54	40.74

Many Reasons to Choose The New Ultra Series



Carlyle

Semi-hermetic
Compressors



ABB

Electrical
components



Standard
Refrigeration

Standard shell and Tube
Heat Exchanger



Alcoil

Aluminum
Microchannel
Condenser



ROSENBERG
THE AIR MOVEMENT GROUP

Belt free, external
shaft free axial fans

Ecochillers Inc

7600 Burnet Rd St. 301
Austin TX. 78757
956 284 0237

Ecochillers Corporation S.A. de C.V.

Ramón Corona 645 B
Santa Anita, Tlaquepaque, Jalisco
(33) 3122 2227 / (55) 5351 2857

Physical Data

Table 1: ECCLASH128 thru 2476 physical data

Component		ULTRA COMPACT MODELS				
		ECCLASH0022	ECCLASH0026	ECCLASH0031	ECCLASH0036	
Nominal tonnage*		21.4	25.2	29.8	34.4	
REFRIGERANT (Lb)						
Refrigerant type		R-410A	R-410A	R-410A	R-410A	
Holding charge		1	1	1	1	
Operating charge		system #1	28.6	34.8	42.6	49.2
Dimensions (In)						
Length		93	93	93	93	
Width		51.5	51.5	51.5	51.5	
Height		67	67	67	67	
Weight (Lb)						
Shipping		2013	2078	2100	2123	
Operating		2114	2182	2205	2229	
Compressors						
Type		Semi-Hermetic	Semi-Hermetic	Semi-Hermetic	Semi-Hermetic	
Quantity		2	2	2	2	
Cooling						
Nominal capacity*		System #1	21.4	25.2	29.8	34.4
Capacity Stages		System #1	2	2	2	2
Water system						
Design water flow (gpm)		50	60	72	84	
water flow tolerance		+/- 10%	+/- 10%	+/- 10%	+/- 10%	
Outdoor coil data						
Face area (sq. Ft)		System #1	40	40	44	44
Type of coil		Microchannel	Microchannel	Microchannel	Microchannel	
Quantity of coils		1	1	2	2	
Rows		1	1	1	1	
Condenser fan data						
No. Fans		1	1	2	2	
Diameter (In)		31	31	31	31	
Type		Axial	Axial	Axial	Axial	
Drive type		Direct	Direct	Direct	Direct	
No. Speeds		1	1	1	1	
Number of motors		System #1	1	1	2	2
Motor HP (ea.)		2	2	2	2	
Rotation ***		CW	CW	CW	CW	
RPM		1030	1030	1030	1030	
Nominal CFM****		System #1	12840	15120	17880	20640

* capacity at 50°F LWT 60°F EWT 95°F ambient temperature

** standard connections Schedule 80 PVC union nut, as an option Treaded connections, Flanged connections and Vitaulic.

*** When viewing the top of the motor

**** CFM conditions at sea level

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Clearances

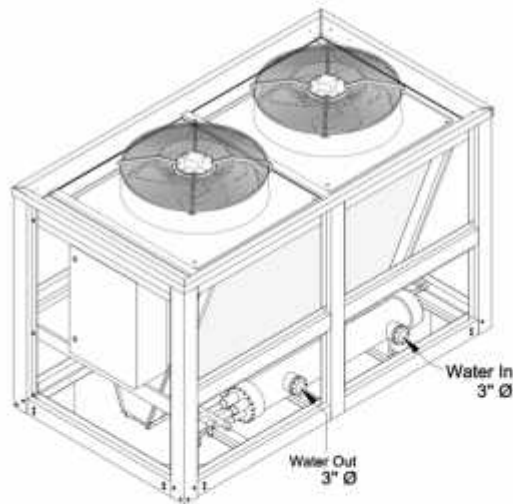
The unit must be installed with sufficient clearance for air to enter the condenser coil, for air discharge and for servicing access.

see table for clearance.

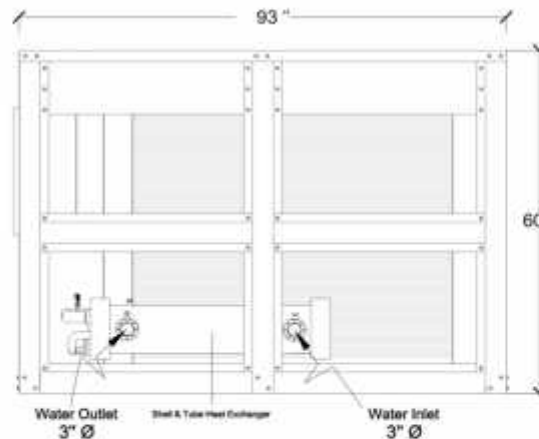
Minimum Clearance	
Clearance Description	Distance in inches
Overhead (Top)	120"
Front	36"
Rear	36"
Left Side	36"
Right Side	36"
Bottom	6"

PHYSICAL DATA

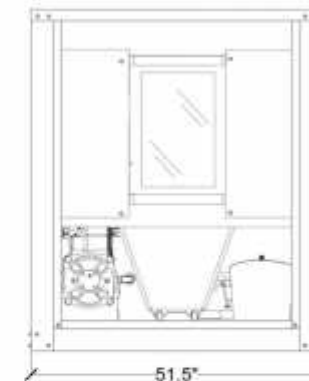
MODEL	T.R.	AVAILABLE POWER SUPPLY	Water Inlet / Outlet Ø
ECCLASH0022A25BRR4	21.4		2 1/2" to 3"
ECCLASH0026A25BRR4	25.2	208/230-3-60 380-3-50	2 1/2" to 3"
ECCLASH0031A25BRR4	29.8	460-3-60 575-3-60	3"
ECCLASH0036A25BRR4	34.4		3"



LEFT SIDE VIEW



FRONT SIDE VIEW



IMPORTANT:

this drawing is illustrative only, dimensions, weight and design can change without notice, for more information contact your sales representative.

PRODUCT DRAWING
AIR COOLED SEMIHERMETIC CHILLER UNIT
MODELS : ECCLASH0022 to ECCLASH0036
NOT FOR CONSTRUCTION

Project name:
Location:
Engineer:
Contactor:

Sold to:
Cust Purch Order:
Contract:

Date: May 2015
Rev.: 3.3
Form:
ENGDEP-SUM1-1014
Dwg.: S.G.R

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