

MODEL TACU-CHB (Semi Hermatic Compressor)

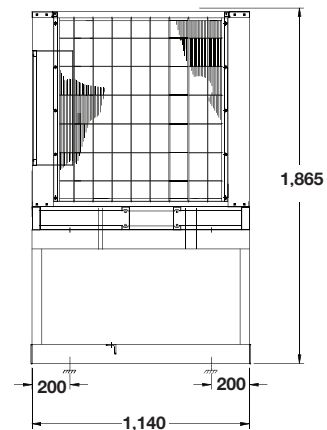
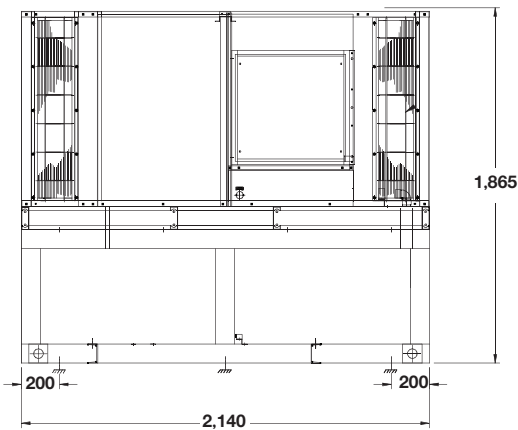
PACKAGED AIR-COOLED CHILLER

15.83 – 30 TR

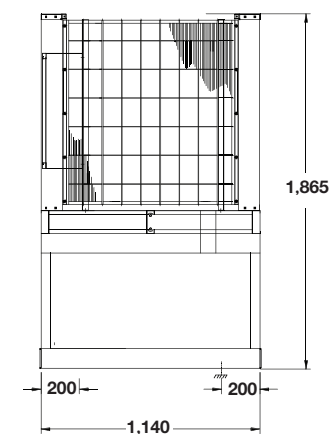
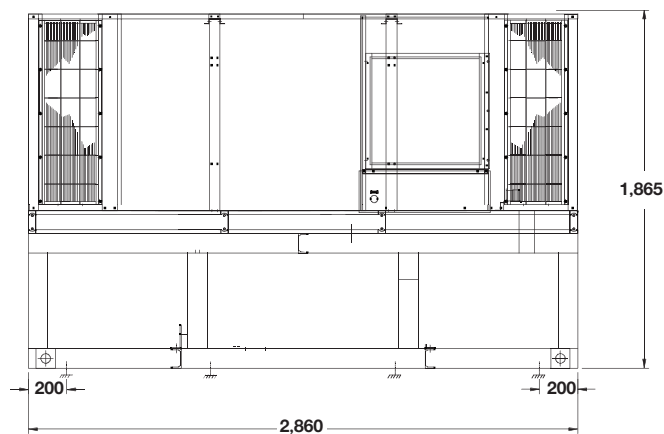
64.5 – 122.8 kW



MODEL : TACU-CHB-020,025,030



MODEL : TACU-CHB-040



Unit : mm.(Millimeter)

SPECIFICATIONS

STANDARD ACCESSORIES

UNIT CASING

- Constructed of zinc-coated heavy-gauge, galvanized steel
- Powder-coated for protection against rust

COMPRESSOR

- Semi Hermetic compressor
- All compressor are mounted on vibration isolation

REFRIGERANT

- R-22

HEAT EXCHANGER

- Seamless copper tubes, mechanically expanded into aluminium fins with full height collars
- Leak tested at 350 PSIG from factory
- Dynamically and statically balanced, direct-drive fan
- Shell and Tube evaporator

REFRIGERATION PARTS

- Service Valves for Liquid line and Suction line
- Thermostatic expansion valves
- Sight Glasses
- Filter Driers

ELECTRICAL PARTS

- Magnetic & Overload contactor for fan motor and compressor
- High-Low pressure switches
- Digital temperature control
- Timer Delay Relay Devices

PHYSICAL DATA

SPECIFICATION MODEL : TACU-CHB (Semi Hermetic)

MODEL	TACU-CHB	020	025	030	040
NOMINAL CAPACITY**	MBH.	190	247	273	360
POWER CONSUMPTION	(kW)	17.89	23.99	26.78	37.23
COMPRESSOR	Type	Semi Hermetic			
	HP Qty./Unit	20	25	30	40
CONDENSER COIL	Type	Aluminium Louver Fin with Inner Groove Copper Tube			
	Face Area (ft2)	46.66		56.66	
	Rows / FPI Tube Size (Inch)	2/16		3/14	
CONDENSER FAN & MOTOR	Type	Propeller Fan : Vertical Discharge : Direct Drive			
	Quantity	2		3	
	Power (HP.)	3/4		1	
	RPM	900			
Air Quantity (CFM)	14,000		20,000		30,000
REFRIGERANT	Type Charge	R-22			
WATER CHILLER	Type	Holding Charge: Nitrogen			
	Shell and Tube Heat Exchanger				
	Chilled Water Flow Rate (GPM)	38	49.4	54.6	72
	Chilled Water Temp. IN/OUT (°F)	55/45			
	Chilled Water Pressure Drop (Ft. WG)	2.49	7.93	11.64	8.18
Water Connection IN/OUT (Inch)	2		2-1/2		3
DIMENSION	Length (mm.)	2,140			2,860
	Width (mm.)	1,140			
	Height (mm.)	1,865			
WEIGHT (Aprox)	(kgs.)	740	842	921	995

Note

MBH = 1000 BTUH

FOR SI. UNIT, COOLING CAPACITY (KW) = (MBH x 1000) / 3412

**Nominal Capacity Based on 45 °F Suction Temp. And 95 °F Ambient Temp.

ELECTRICAL DATA

MODEL	TACU-CHB	020	025	030	040
COMPRESSOR (Each)	Quantity	1			
	Volt / Phase / Hz	380/3/50			
	Power Input (Watt)	16,630	22,070	24,860	34,350
	FLA. (Amp.)	34.00	46.10	52.00	73.60
	LRA. (Amp.)	345	446	506	690
FAN MOTOR (Each)	Quantity	2		3	
	Volt / Phase / Hz	380/3/50			
	Power Input (Watt)	632		960	
	FLA. (Amp.)	1.20		3.6	

Note

FLA = Full Load Amp.

LRA = Locked Rotor Amp.

Specification are subjected to change without notice for future improvement.



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