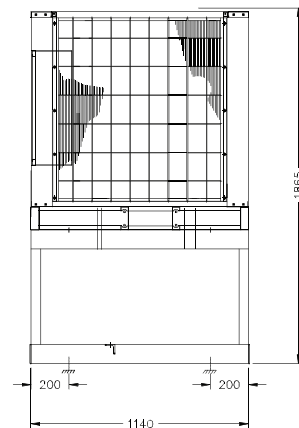
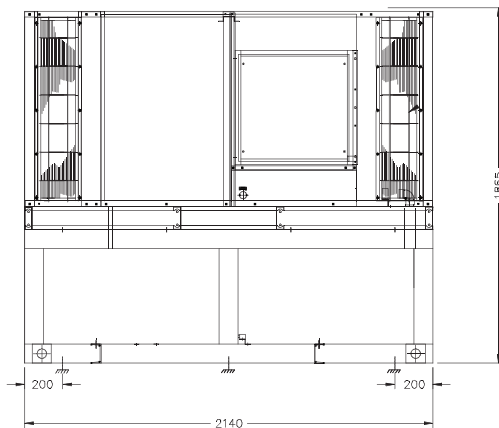


MODEL TACU-CHB (Semi Hermatic Compressor)

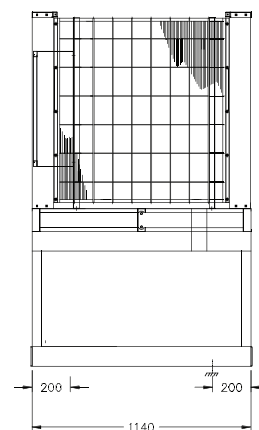
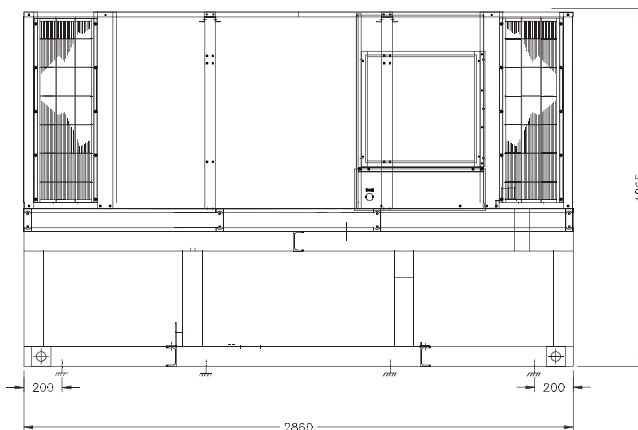
**PACKAGED
AIR-COOLED CHILLER
15.83 – 30 TR
64.5 – 122.8 kW**



MODEL TACU CHB-020 025 030



MODEL TACU CHB-040



Unit : mm.(Millimeter)

SPECIFICATIONS AND STANDARD ACCESSORIES

UNIT CASING

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

COMPRESSOR

- Semi Hermatic 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

REFRIRATION PART

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

ELECTRICAL PART

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

PHYSICAL DATA

MODEL	TACU-CHB	020	025	030	040
NOMINAL CAPACITY**	MBH.	190	247	273	360
POWER CONSUMPTION	(kW)	18.3	24.2	27.0	37.6
COMPRESSOR	Type	Semi Hermatic			
	HP	20	25	30	40
	Qty./Unit	1			
CONDENSER COIL	Type	Aluminium Louver Fin with Inner Groove Copper Tube			
	Face Area	46.66			56.66
	Rows / FPI	2 / 16		3 / 14	3 / 12
	Tube Size	3/8			
CONDENSER FAN & MOTOR	Propeller Fan : Vertical Discharge : Direct Drive				
	Quantity	2		1	3
	Power	(HP.)			
	RPM	900			
	Air Quantity	14,000	20,000		30,000
REFRIGERANT	Type	R-22			
	Charge	Holding Charge: Nitrogen			
WATER CHILLER	Shell and Tube Heat Exchanger				
	Chilled Water Flow Rate	38	49.4	54.6	72
	Chilled Water Temp. IN/OUT	55/45			
	Chilled Water Pressure Drop	2.49	7.93	11.64	8.18
	Water Connection IN/OUT	2		2-1/2	3
DIMENSION					
	Length	2,140			2,860
	Width	1,140			
	Height	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)	850	1,085		
	FLA. (Amp.)	1.20	2.29		

Note

- FLA = Full Load Amp.
- LRA = Locked Rotor Amp.
- Specification are subjected to change without notice for future improvement.



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