

MODEL YACU-CHB

PACKAGE AIR COOLED CHILLER

53 - 188 TR

60.38 - 235.52 kW

UNI-Aire[®]

Air Conditioning Experts



REFRIGERANT PARTS

- THERMOSTATIC EXPANSION VALVES
- SOLENOID VALVES
- SIGHT GLASSES
- FILTER DRIERS
- SERVICE & SHUT-OFF VALVES
- HIGH-LOW PRESSURE GAUGE
- CHILLED WATER FLOW SWITCH

ELECTRICAL PARTS

- MAGNETIC CONTACTOR W/OVERLOAD FOR FAN MOTOR
- MAGNETIC CONTACTOR W/OVERLOAD FOR MOTOR
- COMPRESSOR
- HIGH-LOW PRESSURE SWITCHES
- MICROPROCESSOR-BASED CONTROLLER
- UNIT MAIN BREAKER
- PHASE PROTECTION

PHYSICAL DATA

SPECIFICATION MODEL : YACU-CHB										
Model	YACU-CHB	70	80	100	120	150	180	200	240	
NOMINAL CAPACITY***	MBH.	639	720	896	1,080	1,344	1,764	2,010	2,256	
	TONS	53	60	75	90	112	147	168	188	
POWER CONSUMPTION	kW	60.38	66.48	85.41	99.71	140.83	186.38	206.78	235.52	
NOMINAL COP	kW/kW	3.10	3.17	3.07	3.17	2.80	2.77	2.85	2.81	
	kW/Tons	1.13	1.11	1.14	1.11	1.26	1.27	1.23	1.25	
COMPRESSOR	Type	Hermetic Scroll Compressor								
	HP	15 + 20	20	25	20	25	30	30+40	40	
	Qty/unit	2 : 2	4	4	6	6	6	3 : 3	6	
CONDENSER COIL	Type	Aluminium Louver Fin with Inner Groove Copper Tube								
Face Area		95.30		143.00		190.70		238.30		
Rows/FPI		3...12	3...14	3...12	3...14	3...14	3...14	4...12	3...14	
Tube Size	Inch	3/8								
CONDENSER FAN & MOTOR		Propeller Fan : Vertical Discharge : Direct Drive								
Quantity		4		6		8		10		
Power	kW	1.369			4.172					
Air Quantity	CFM	44,000		66,000		108,000	144,000		180,000	
REFRIGERANT	Type	R-410A								
	Charge	Holding Charge : R-410A								
WATER CHILLER		Shell and Tube Heat Exchanger								
Chilled Water Flow Rate	(GPM)	128.0	144	179	216	269	353	402	451	
Chilled Water Temp. IN/OUT	°F	55/45								
Chilled Water Pressure Drop	(Ft. WG)	15.5	18.9	22.72	12.94	16.91	19.77	26.57	14.42	
Water Connection IN/OUT	(Inch)	4			5		6		8	
DIMENSION	Width (mm.)	2,840		4,100			5,370		6,630	
	Height (mm.)	2,365								
	Length (mm.)	2,200				2,445				
WEIGHT (Aprox.)	(kgs.)	2,028	2,200	3,050	3,190	4,160	4,730	5,110	5,820	

***Normal capacity based on 38°F suction temp. And 95°F

ELECTRICAL DATA

MODEL	YACU-CHB	70	80	100	120	150	180	200	240	
COMPRESSOR (EACH)	Volt/Phase/Hz	380/3/50								
	Power Input (kW)	12.2:15.25	15.25	19.30	15.25	19.30	25.50	25.5:32.3	32.30	
	RLA (Amp.)	24.45:26.81	26.81	34.31	26.81	34.31	43.88	43.88:55.06	55.06	
	LRA (Amp.)	174:219	219	272	219	272	310	310:408	408	
FAN MOTOR (EACH)	Volt/Phase/Hz	380/3/50								
	Power Input (kW)	1.37				4.17				
	FLA (Amp.)	3.36				7.99				

Note :

RLA = Rated Load Amp.

LRA = Locked Rotor Amp.

MBH = 1,000 Btu/h

Nominal Cooling Capacity Base 95 °F Ambient Temp.

Liquid Subcooled 15 °F

Specifications are subject to change without notice for future improvement.

**EUROVENT CERTIFIED FOR MODEL DAHH ONLT.

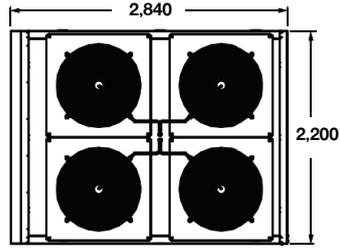


UNIAIRE CORPORATION CO., LTD.
 69 Moo 3 Kingkeaw Rd., Rachatewa District,
 Bangplee, Samutprakarn 10540 Thailand
 Tel : +662-312-4500, Website : www.uni-aire.com
 Export Sale : export@uni-aire.com
 Domestic Sale : localsale@uni-aire.com

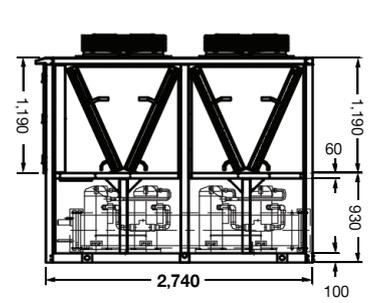
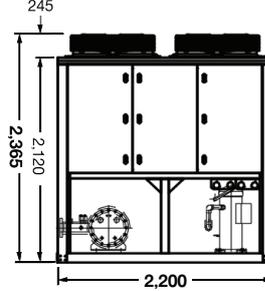
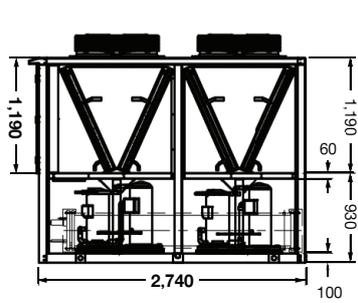
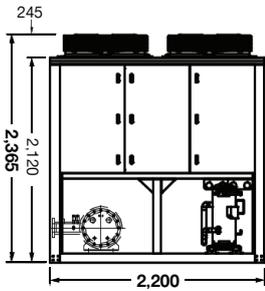
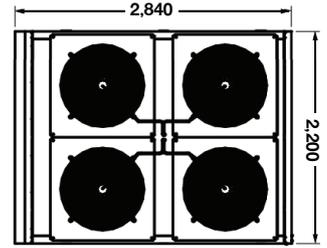


DIMENSIONAL DRAWINGS MODEL : YACU-CHB-070 to YACU-CHB-120

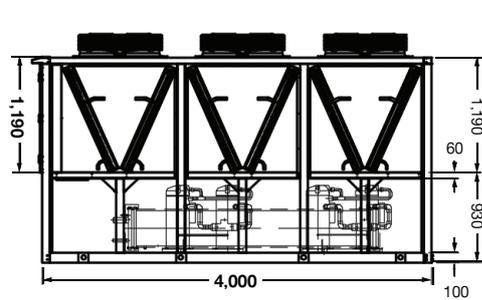
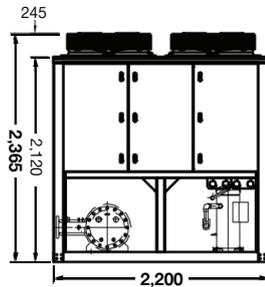
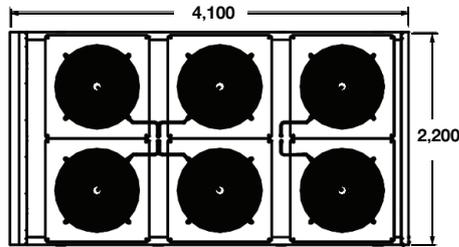
YACU-CHB-070



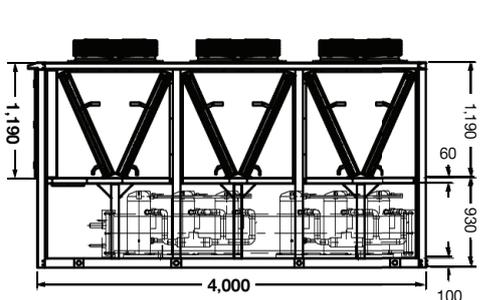
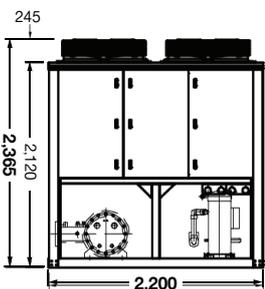
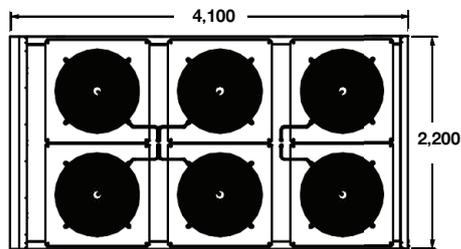
YACU-CHB-080



YACU-CHB-100



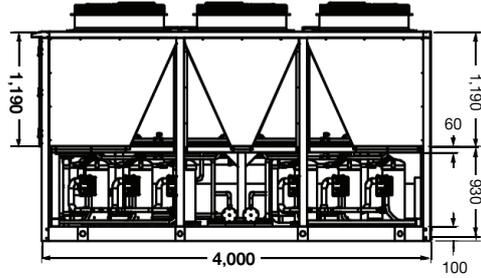
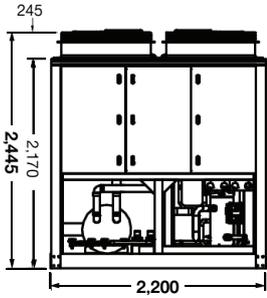
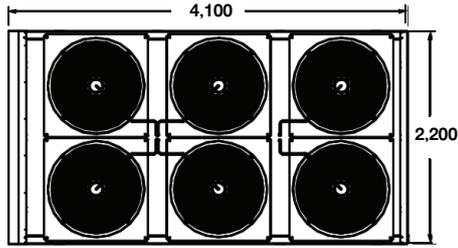
YACU-CHB-120



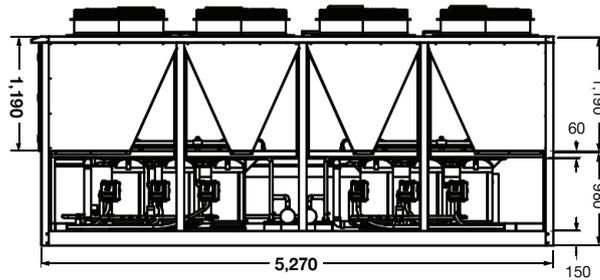
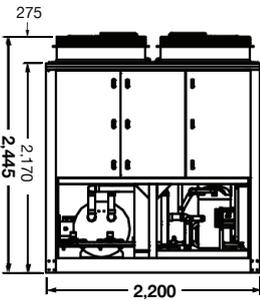
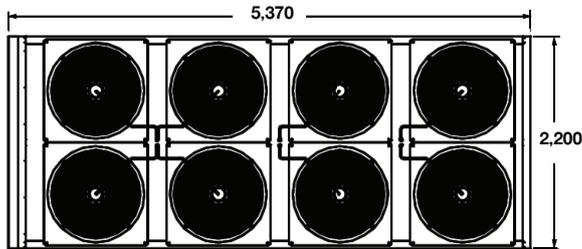
Unit : mm.(Millimeter)

DIMENSIONAL DRAWINGS MODEL : YACU-CHB-150 to YACU-CHB-240

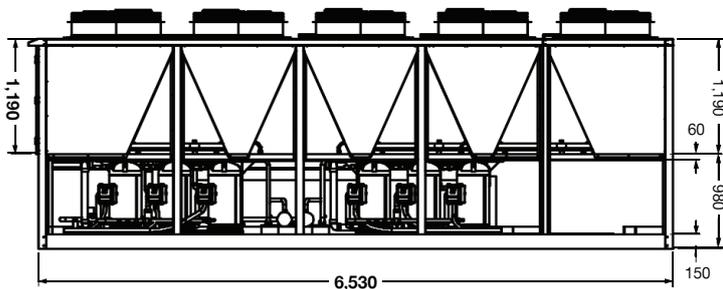
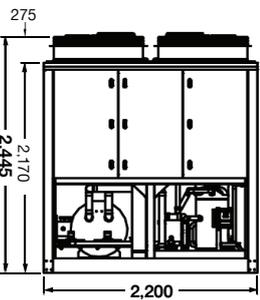
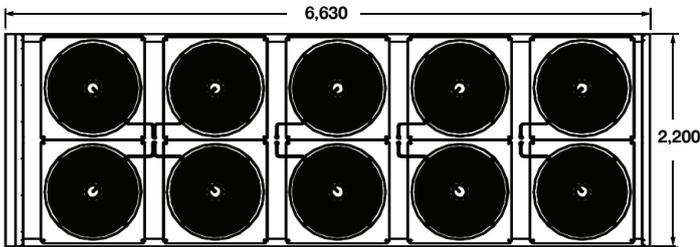
YACU-CHB-150



**YACU-CHB-180 to
YACU-CHB-200**



YACU-CHB-240



Unit : mm.(Millimeter)