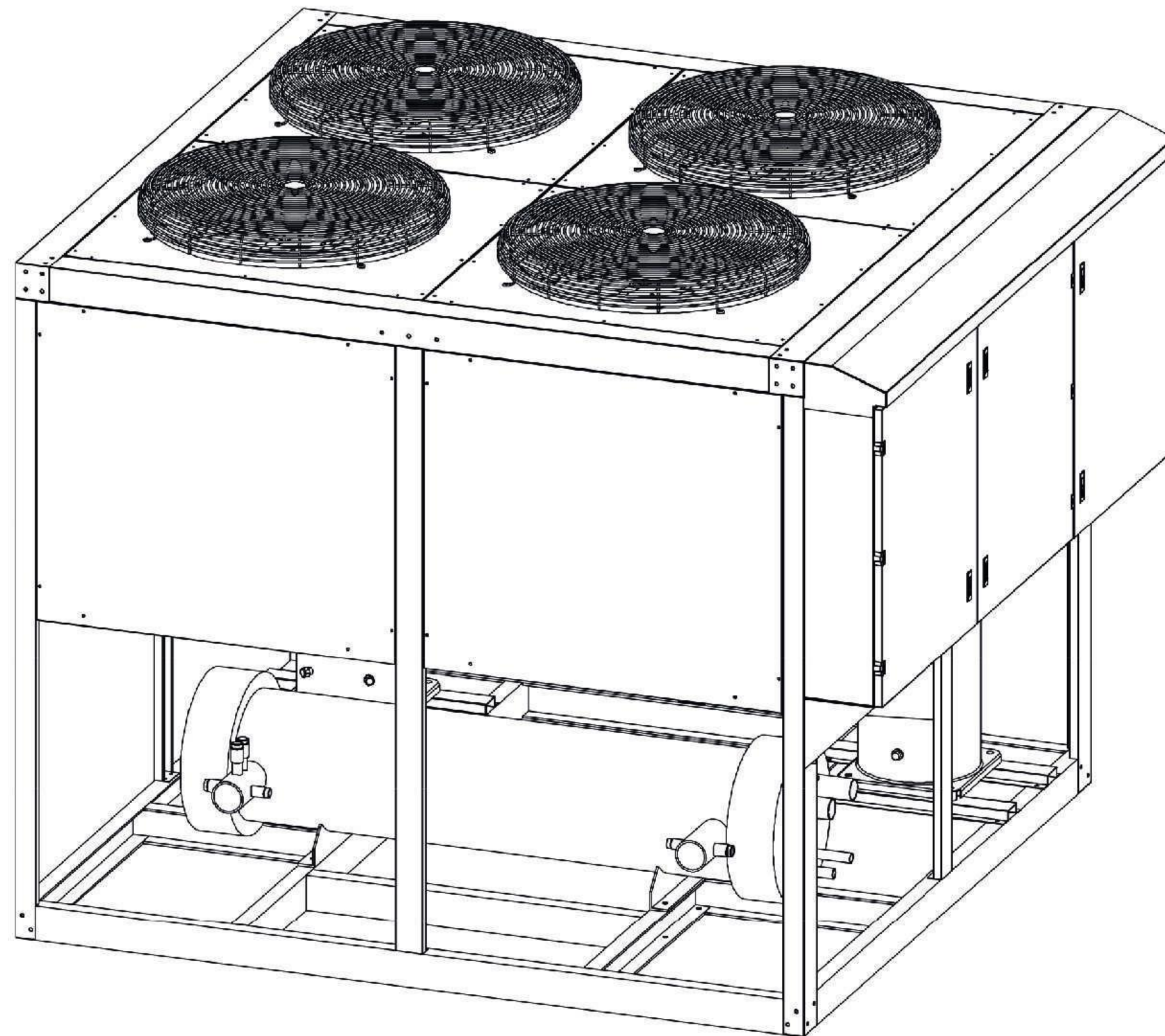


# **MODEL VACU - CHB**

## **AIR COOLED HEAT EXCHANGER**

### **37.3 - 188 TR**

### **131.3 - 661.2 kW**



#### **OPTIONAL ACCESSORIES**

- 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-BASE CONTROLLER
- UNIT MAIN BREAKER



Air Conditioning Experts

# PHYSICAL DATA

Model	VACU-CHB	50	60	70	80	100	120	150	180	200	240		
NOMINAL COOLING CAPACITY	MBH	448	558	678	720	896	1,080	1,344	1,764	2,010	2,256		
POWER CONSUMPTION	kW	42.32	52.92	66.78	67.18	84.64	99.74	124.90	165.36	173.40	210.28		
COMPRESSOR	Type	Scroll											
	HP	25 x2	(15+15) x2	(20+20) x2	(20+20) x2	(25+25) x2	(20+20+20) x2	(25+25+25) x2	(30+30+30) x2	(30+30+30) + (40+40+40)	(40+40+40) x2		
	Type	Single	Tandem	Tandem	Tandem	Tandem	Trio	Trio	Trio	Trio	Trio		
	Qty./Unit	2	4	4	4	4	6	6	6	3 : 3	6		
	Circuit of Refrig.	2											
CONDENSER COIL	Type / Material	Aluminium Fin with Inner Grooved Copper Tube											
	Row ... FPI	3 ... 12	3 ... 14	3 ... 10	3 ... 12	3 ... 14	3 ... 12	3 ... 14	3 ... 14	3 ... 14	3 ... 14		
CONDENSER FAN & MOTOR	Type	Propeller Fan : Vertical Discharge : Direct Drive											
	Fan Dia. (Inch.)	30											
	MOTOR (RPM.)	900											
	Each Motor (Hp.)	1											
	Qty./Unit	4	6	8	10	12	14	16					
	Air Quantity (CFM)	44,000	66,000	88,000	110,000	132,000	154,000	176,000					
Refrigerant	Type	R-410a (Holding Charge)											
Water Chiller	Type	Shell and Tube Heat Exchanger											
Circuit of Water		2											
Chilled Water Flow Rate	(GPM)	90	112	136	144	179	216	269	353	402	451		
Chilled Water Temp. In/Out	(°F)	55/45											
Chilled Water Pressure Drop	(Ft. Wg.)	3.87	3.13	8.07	8.07	13.90	8.63	13.01	14.71	21.72	9.27		
Water Conn. In/Out	Inch.	3		4			5			6	8		
Dimensions	D	2,270		3,385			4,500			5,615	6,730	7,845	8,960
	H	2,030											
	L	2,200											
Weight	kgs.	1,630	1,690	2,180	2,300	3,150	3,290	4,360	4,930	5,410	6,120		

# ELECTRICAL DATA

Model	VACU-CHB	50	60	70	80	100	120	150	180	200	240
COMPRESSOR (Each)	Volt / Ph / Hz	380/3/50									
	Power input (kW)	19.10	12.20	15.15	15.25	19.10	15.25	19.10	25.50	25.5 : 32.30	32.30
	RLA (Amp)	33.70	24.45	26.71	26.81	33.70	26.81	33.70	43.88	43.88 : 55.06	55.06
	LRA (Amp)	272	174	219	219	272	219	272	310	310 : 408	408
FAN MOTOR (Each)	Volt / Ph / Hz	380/3/50									
	Power input (kW)	1.03									
		2.30									

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 subjected to change without notice for future improvement.



Manufactured by : UNITED TECHNOLOGY DEVELOPEMENT CO.,LTD.

Distributed by: UNI-AIRE CORPORATION CO., LTD.

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