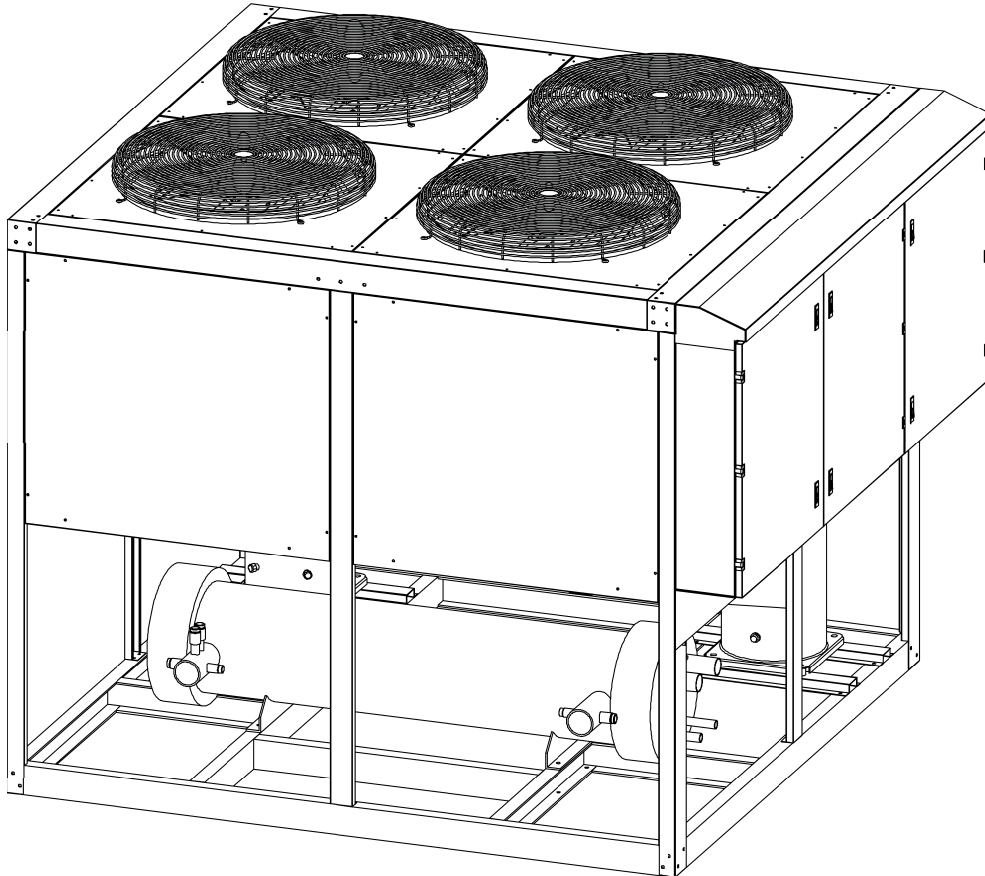


MODEL VACU-CHB

AIR COOLED HEAT EXCHANGER

37.3 - 188 TR

131.3 - 661.2 kW



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



Air Conditioning Experts

PHYSICAL DATA

SPECIFICATION MODEL : VACU-CHB											
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	25x2	(15+15)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				Trio				
	Qty./Unit	2	4				6			3:3	6
	Circuit of Refrig.	2									
Condenser coil	Type/Material	Aluminium Fin with Inner Groove Copper Tube									
	Row...FPI	3...12	3...14	3...10	3...12	3...14	3...12	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		13.90	8.63	13.01	14.71	21.72	9.27
Water Conn. In/Out	Inch.	3		4			5			6	8
Dimensions	Width	2,270		3,385		4,500		5,615	6,730	7,845	8,960
	Height	2,030									
	Length	2,200									
Weight	kg.	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		272	219	272	310	310 : 408	408
Fan Motor (Each)	volt / Ph / Hz	380/3/50									
	Power input (kW)	1.03									
	FLA (Amp)	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 subject to change without notice for future improvement.



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