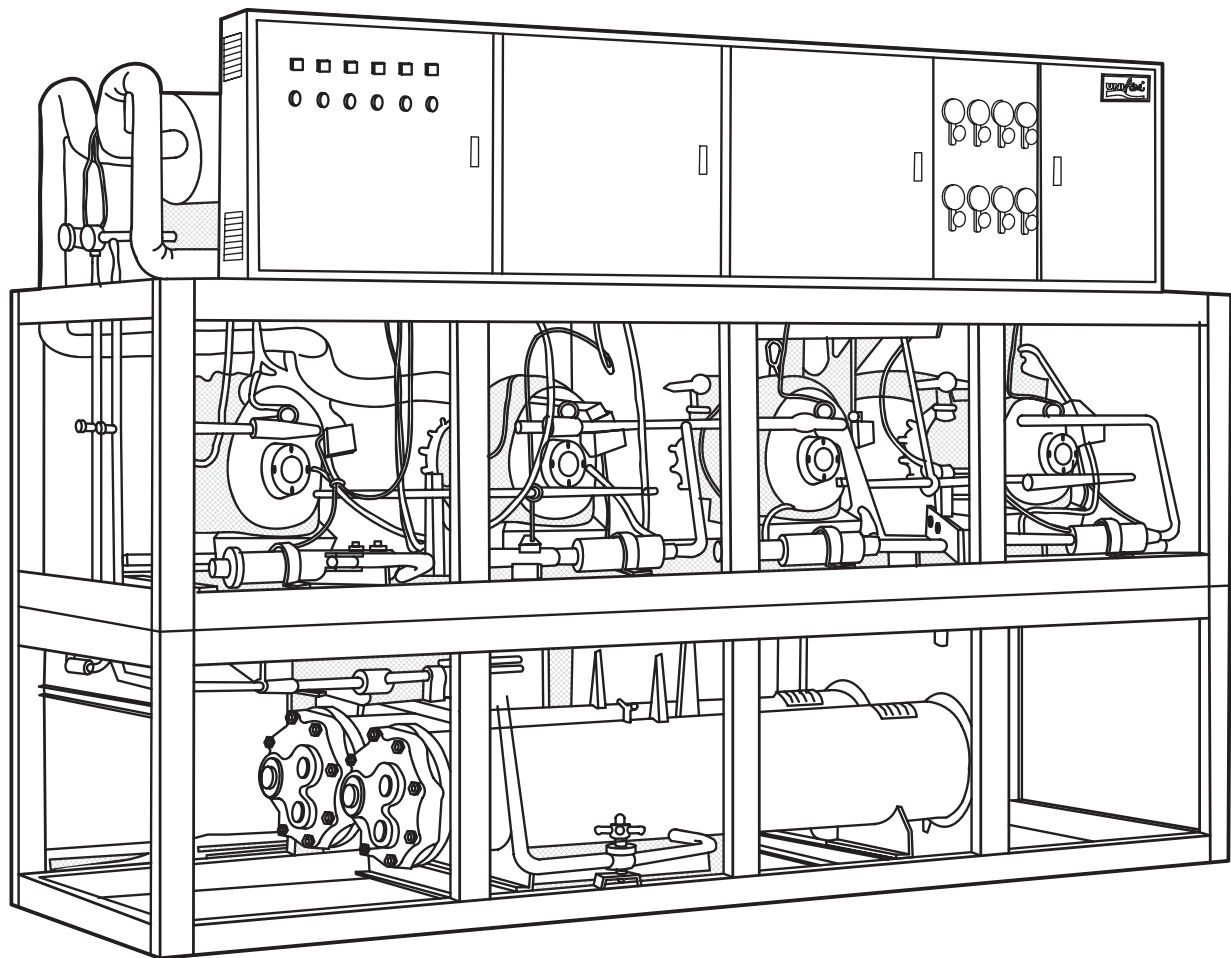


MODEL WCU-CHB

PACKAGED WATER
COOLED CHILLER

45.7 - 197.1 TR

160.6 - 693 KW



UNI - Aire[®]

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PHYSICAL DATA & ELECTRICAL DATA

MODEL WCU-CHB (2 CIRCUITS)		050	060	070	080	100	120	140	160	180	210	240
NOMINAL COOLING CAPCTY (MBH)		550	600	700	790	1100	1200	1400	1580	1800	2100	2400
POWER CONSUMPTION kw		40.42	45.72	54.75	63.78	80.84	91.44	109.5	127.56	137.16	164.25	191.34
COMPRESSOR	TYPE	SEMI - HERMETIC										
	HP.	25	30	30:40	40	25	30	30:40	40	30	30:40	40
	Qty. / Unit	2	2	1:1	2	4	4	2:2	4	6	3:3	6
WATER COOLED CONDENSER												
Fouling Factor		0.0005 (0.000046) Ft ² .h.F./BTU (m ² .h.F./BTU)										
Water Flow Rate (GPM)		146.7	160.0	186.7	210.7	293.3	320.0	373.3	421.3	480.0	560.0	640.0
Entering Water Temp. (°F)		90										
Leaving Water Temp. (°F)		100										
Water Pressure Drop (Ft.WG)		13.0	16.6	16.6	6.0	10.5	8.0	6.5	6.5	6.5	8.5	6.5
No. of Water Passer		4	4	2	2	2	2	2	2	2	2	2
Water Connection (In..Out) inch		2-1/2	2-1/2	2-1/2..3	2-1/2..3	2-1/2..3	3 .. 4	3 .. 4	3 .. 4	3 .. 4	3 .. 4	3 .. 4
Qty./Unit		2	2	2	2	2	2	2	2	2	2	2
WATER CHILLER		FOULING FACTOR 0.00005 Ft ² . h. F. / BTU (0.000046 m ² .h.F./BTU)										
No. Of Circuits		2										
Chilled Water Flow Rate (GPM)		110.0	120.0	140.0	158.0	220.0	240.0	280.0	316.0	360.0	420.0	480.0
Chilled Water Temp. In/Out (°F)		55 / 45										
Chilled Water Pressure Drop (Ft. WG)		3.66	2.72	4.64	5.69	8.59	4.83	5.83	6.89	7.57	11.13	8.69
Water Connection In/Out inch		3	3	4	4	4	5	5	5	6	6	6
Qty./Unit		1	1	1	1	1	1	1	1	1	1	1
Refrigerant	Type	R - 22										
	Charge	HOLDING										
Compressor (Each)	V / PH / Hz	380 / 3 / 50										
	Power Input (kW)	20.21	22.86	22.86:31.89	31.89	20.21	22.86	22.86:31.89	31.89	22.86	22.86:31.89	31.89
	RLA. (Amp.)	44.9	48.7	48.7:67.9	67.9	44.9	48.7	48.7:67.9	67.9	44.9	48.7:67.9	67.9
	LRA. (Amp.)	134	162	162:207	207	134	162	162:207	207	134	162:207	207
WEIGHT Operation (Kgs.)		1389	1470	1704	1758	2284	2658	2857	3071	3473	3783	4287

Note :

MBH = 1000 Btuh

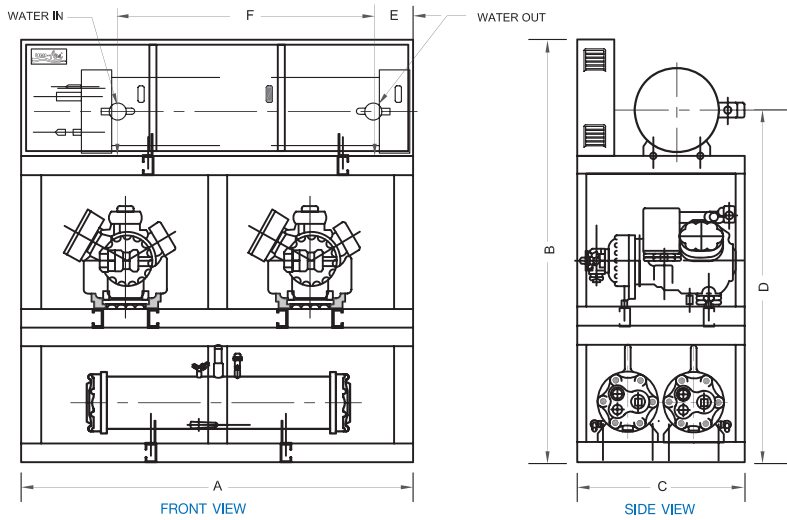
* Nominal cooling capacity Based on 38°F Suction Temp. and 95°F Entering Water Temp

Liquid Subcooled 15°F

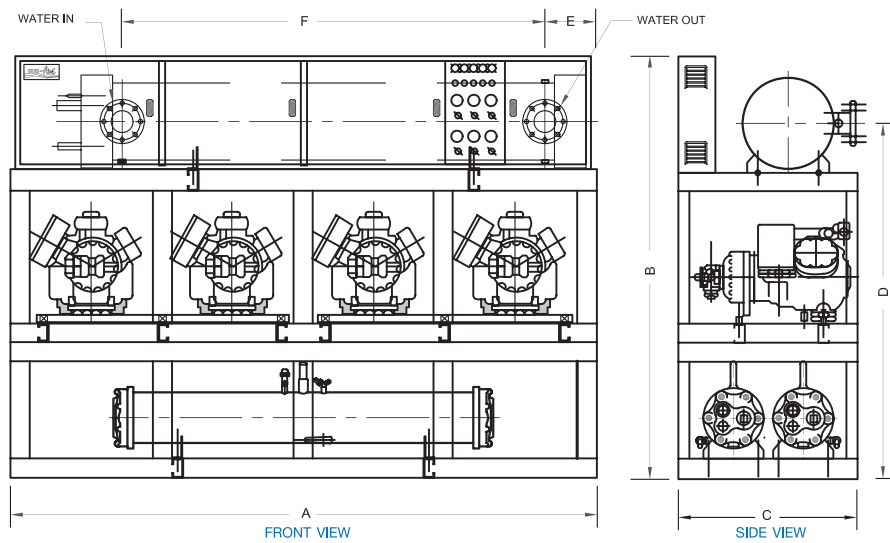
For SI Unit, Cooling Capacity (kw) = $\frac{\text{MBH} \times 1000}{3412}$

Specification are subjected to change without notice for future improvement.

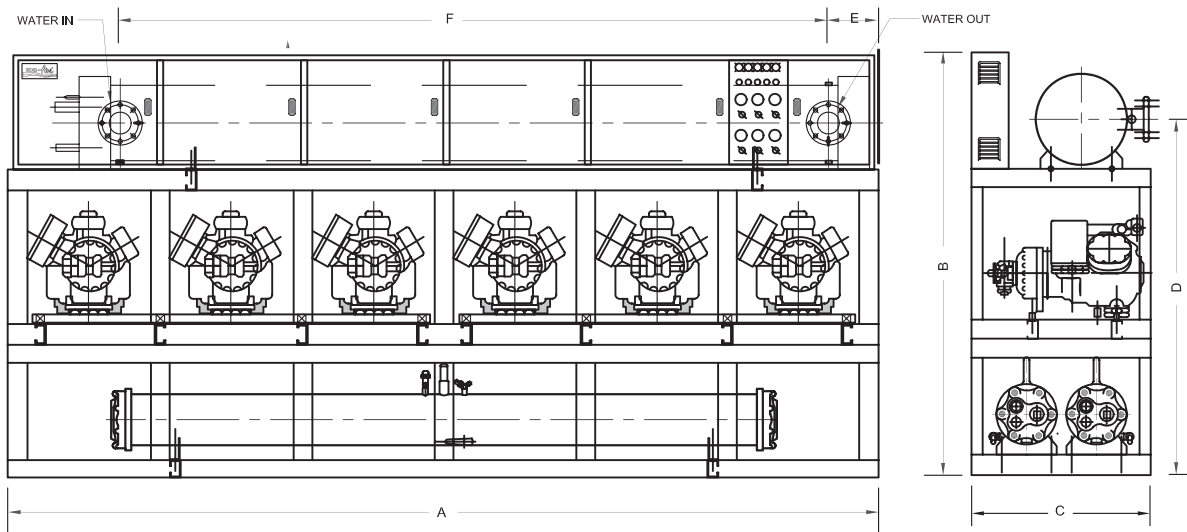
DIMENSIONAL DRAWINGS



DIMENSION	WCU-CHB		
	050	060	070-080
A (mm.)	2032	2286	2746
B (mm.)	2121	2121	2121
C (mm.)	890	890	890
D (mm.)	1746	1746	1746
E (mm.)	198	198	232
F (mm.)	1334	1601	2032



DIMENSION	WCU-CHB			
	100	120	140	160
A (mm.)	3048	3548		
B (mm.)	2221	2321		
C (mm.)	940	1120		
D (mm.)	1865	1990		
E (mm.)	256	306		
F (mm.)	2210	2718		



WCU-CHB	A	B	C	D	E	F
180 (mm.)	4522	2361	1200	2266	1054	2016
200 (mm.)	4522	2361	1100	2266	902	2016
240 (mm.)	4522	2361	1100	2266	927	2092

PACKAGED WATER COOLED CHILLER
STANDARD ACCESSORIES
REFRIGERATION PARTS

- THERMOSTATIC EXPANSION VALVES
- SOLENOID VALES
- SIGHT GLASSES
- FILTER DRIERS
- SERVICE & SHUT OFF VALVES
- CHECK VALVES FOR PARALLEL CIRCUIT COMPRESSORS

ELECTRICAL PARTS

- MAGNETIC CONTACTOR W/OVERLOAD FOR MOTOR COMPRESSOR
- TIMER DELAY RELAY DEVICES
- OIP PRESSURE SWITCH
- CRANKCASE HEATERS
- TEMPERATURE CONTROL DEVICE
- FREEZESTAT

REMARK : TEMPERATURE CONTROL

2 STAGES FOR UNIT THAT HAS 2 COMPRESSORS

4 STAGES FOR UNIT THAT HAS 2 COMPRESSORS



UNI-Aire®
Air Conditioning Experts

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