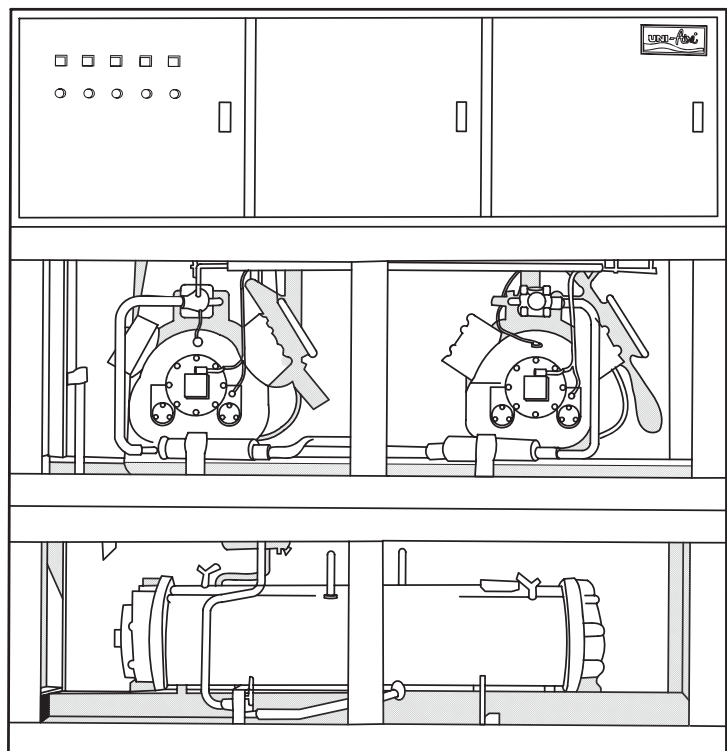
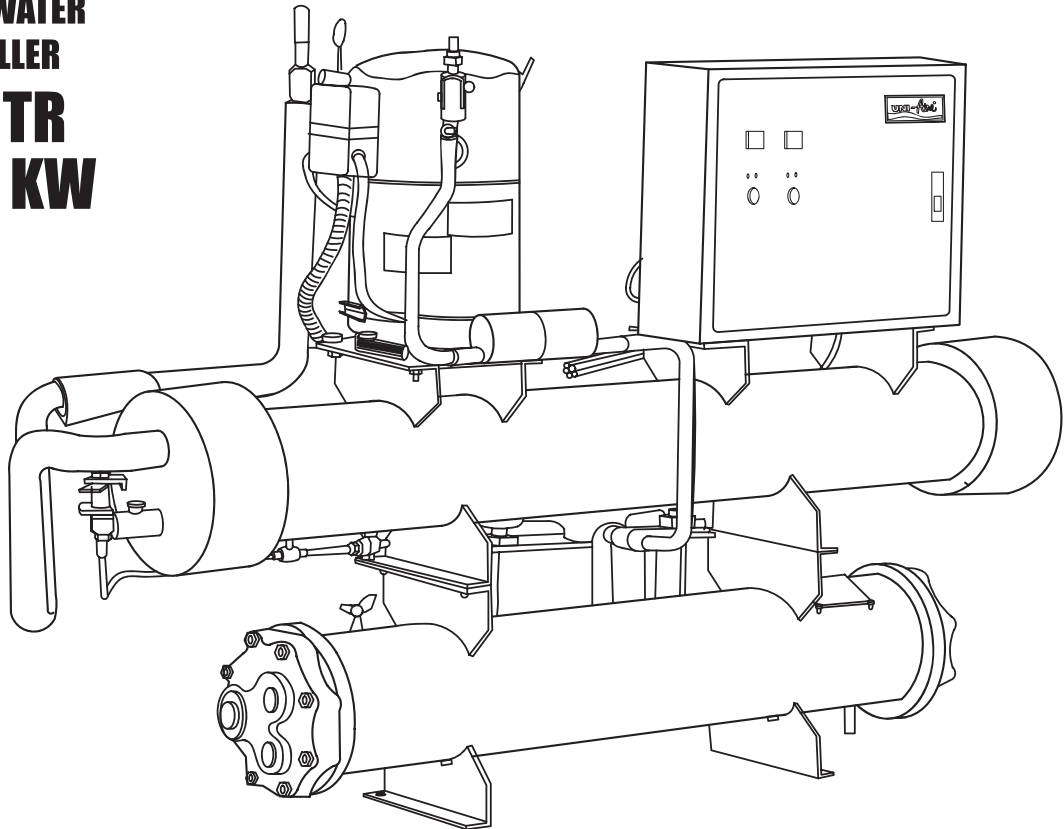


MODEL WCU-CHB

PACKAGED WATER
COOLED CHILLER

6.8-34 TR
24-120 KW



UNI - Aire[®]

ยูนิแอร์ แอร์พัมพ์ฮิต

PHYSICAL DATA & ELECTRICAL DATA

MODEL WCU-CHB		007H	009H	010H	012H	015H (2 CIR)	018H (2 CIR)	020H (2 CIR)	025H (2 CIR)
NOMINAL COOLING CAPCTY (MBH)		75	90	105	125	152	180	210	250
NO. OF CIRCUITS		1 CIRCUIT				2 CIRCUITS			
COMPRESSOR	TYPE	HERMETIC							
	HP.	7.5	9.0	10	12	7.5	9	10	12
	Qty. / Unit	1	1	1	1	2	2	2	2
WATER COOLED CONDENSER									
Qty./Unit		1	1	1	1	2	2	2	2
Water Flow Rate (GPM)		20.00	24.00	28.00	33.33	40.53	48.00	56.00	66.67
Entering Water Temp. °F		90							
Leaving Water Temp. °F		100							
Water Pressure Drop (Ft.WG)		11.5	10.2	14.6	9.5	2X11.5	2X10.2	2X14.9	2X9.5
No. of Water Passer		4	4	4	4	4	4	4	4
Water Connection In/Out (in)		1	1	1-1/2	1 1/2	2X1	2X1	2X1-1/2	2X1-1/2
WATER CHILLER									
Qty./Unit		1	1	1	1	1	1	1	1
No. Of Circuits		1	1	1	1	2	2	2	2
Chilled Water Flow Rate (GPM)		15.00	18.00	21.00	25.00	30.40	36.00	42.00	50.00
Chilled Water Temp. In/Out °F		55 / 45							
Chilled Water Pressure Drop (Ft. WG)		1.4	1.78	2.76	3.92	1.95	0.96	1.19	2.07
Water Connectio In/Out (in)		1-1/4	1-1/4	1-1/4	1-1/4	1-1/2	2	2	2
REFRIGERANT	Type	R-22							
	Charge	HOLDING							
COMPRESSOR (Each)	V / PH / Hz	380 / 3 / 50							
	Power Input (Watt)	6.54	7.82	8.95	10.80	6.54	7.82	8.95	10.80
	RLA. (Amp.)	12.10	14.30	20.70	22.90	12.10	14.30	20.70	22.90
	LRA. (Amp.)	98.00	130.00	130.00	145.00	98.00	130.00	130.00	145.00
WEIGHT Operation (Kgs.)		230	230	268	310	593	602	656	780

Note : -

RLA = Rated Load Amp.

LRA = Locked Rotor Amp.

▲ MBH = 1,000 Btuh

* Nominal Cooling Capacity Based on 38°F Suction Temp.

Liquid Subcooled 15°F

Fouling Factor 0.0005 Ft² .h.F/Btu in Chiller and Condenser

FOR SI. UNIT, COOLING CAPACITY (KW) = $\frac{MBH \times 1000}{3412}$

STANDARD ACCESSORIES

REFRIGERATION PARTS

- THERMOSTATIC EXPANSION VALVE
- SIGHT GLASS
- FILTER DRIER
- SERVICE VALVES

ELECTRICAL PARTS

- MAGNETIC CONTACTOR W/OVERLOAD FOR MOTOR COMPRESSOR
- TIME DELAY RELAY DEVICE
- HIGH-LOW PRESSURE SWITCHES
- TEMPERATURE CONTROL (2 STAGES FOR 2 CIRCUITS)
- FREEZESTAT

PHYSICAL DATA & ELECTRICAL DATA

MODEL WCU-CHB		015S	020S	025S	030S	040S	030S (2 CIR)	040S (2 CIR)
NOMINAL COOLING CAPCTY (MBH)		160	210	275	300	400	320	420
NO. OF CIRCUITS		1 CIRCUIT					2 CIRCUITS	
COMPRESSOR	TYPE	SEMI - HERMETIC						
	HP.	15	20	25	30	40	15	20
	Qty. / Unit	1	1	1	1	1	2	2
WATER COOLED CONDENSER								
Qty./Unit		1	1	1	1	1	2	2
Water Flow Rate (GPM)		42.67	56.00	73.33	80.00	106.67	85.33	112.00
Entering Water Temp. °F		90						
Leaving Water Temp. °F		100						
Water Pressure Drop (Ft.WG)		15.68	18.00	17.63	18.22	5.76	15.68	18.00
No. of Water Passer		4	4	4	4	2	4	4
Water Connection In/Out (in)		1-1/2	1-1/2	2-1/2	2-1/2	2X2-1/2, 1X3	1-1/2	1-1/2
WATER CHILLER								
Qty./Unit		1	1	1	1	1	1	1
No. Of Circuits		1	1	1	1	1	2	2
Chilled Water Flow Rate (GPM)		32.00	42.00	55.00	60.00	80.00	64.00	84.00
Chilled Water Temp. In/Out °F		55 / 45						
Chilled Water Pressure Drop (Ft. WG)		1.81	1.11	2.31	7.05	4.22	7.05	4.22
Water Connectio In/Out (in)		1-1/2	2	2	2-1/2	3	2-1/2	3
REFRIGERANT	Type	R-22						
	Charge	HOLDING						
COMPRESSOR (Each)	V / PH / Hz	380 / 3 / 50						
	Power Input (Watt)	11.65	15.20	20.21	22.86	31.89	11.65	15.20
	RLA. (Amp.)	28.6	33.3	44.9	48.7	67.9	48.7	67.9
	LRA. (Amp.)	120	104	134	162	207	162	207
WEIGHT Operation (Kgs.)		425	510	814	852	1013	987	1197

Note : -

RLA = Rated Load Amp.

LRA = Locked Rotor Amp.

▲ MBH = 1,000 Btuh

* Nominal Cooling Capacity Based on 38°F Suction Temp.

Liquid Subcooled 15°F

Fouling Factor 0.0005 Ft² .h.F/Btu in Chiller and Condenser

STANDARD ACCESSORIES

REFRIGERATION PARTS

- THERMOSTATIC EXPANSION VALVE
- SOLENOID VALVE
- SIGHT GLASS
- FILTER DRIER
- SERVICE VALVES

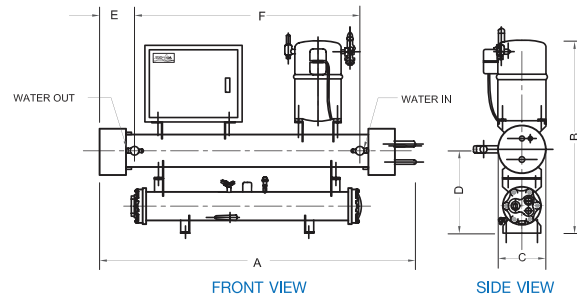
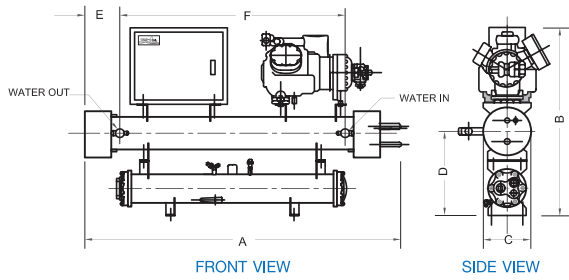
** OPTIONAL PARTS

ELECTRICAL PARTS

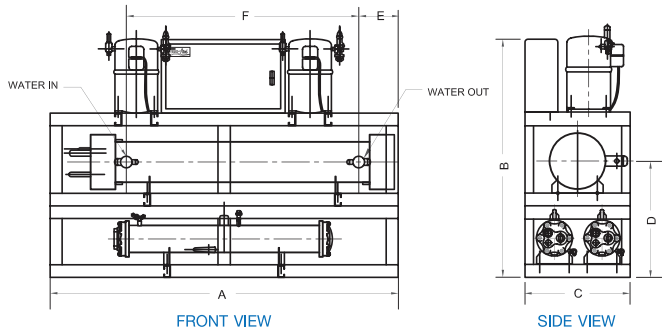
- MAGNETIC CONTACTOR W/OVERLOAD FOR MOTOR COMPRESSOR
- TIME DELAY RELAY DEVICE
- HIGH-LOW PRESSURE SWITCHES
- CRANKCASE HEATERS**
- TEMPERATURE CONTROL (2 STAGES FOR 2 CIRCUITS)
- FREEZESTAT

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

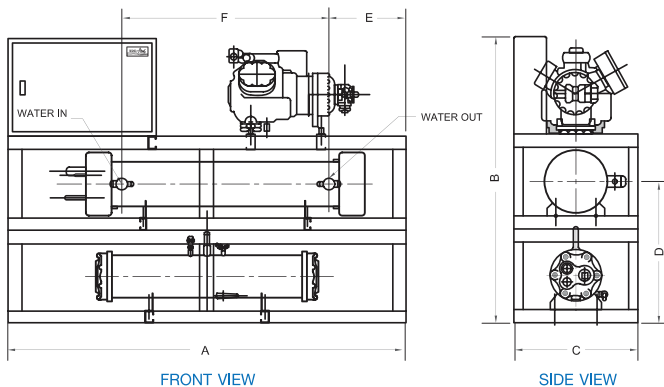
DIMENSIONAL DRAWINGS



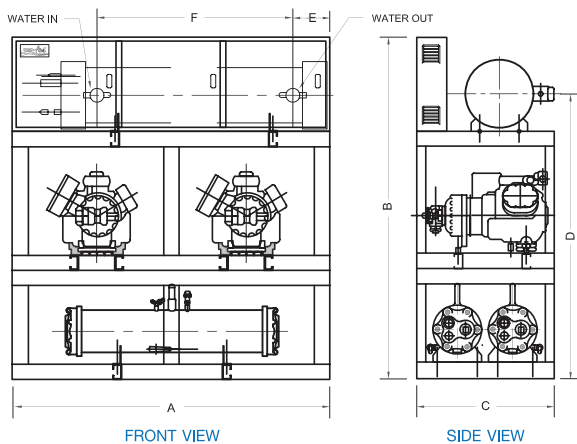
WCU-CHB	A	B	C	D	E	F
007-009 H (mm.)	1528	1070	279	449	167	1067
010 H (mm.)	1833	1110	279	475	167	1372
012 H (mm.)	1833	1110	279	475	167	1372



WCU-CHB	A	B	C	D	E	F
015 H (2 Cir.) (mm.)	1928	1630	650	764	522	1206
018 H (2 Cir.) (mm.)	2133	1615	650	829	200	1372
020 H (2 Cir.) (mm.)						
025 H (2 Cir.) (mm.)	2438	1733	762	884	200	1803



WCU-CHB	A	B	C	D	E	F
015 S (mm.)	2500	1940	762	947	200	1803
020 S (mm.)	2000	1910	762	960	219	1346
025 S (mm.)	2300	1910	762	960	214	1639
030 S (mm.)	1950	1657	650	884	219	1206
040 S (mm.)	2438	1808	762	934	200	1498



WCU-CHB	A	B	C	D	E	F
030 S (2 Cir.) (mm.)	2000	1920	890	1520	198	1346
040 S (2 Cir.) (mm.)	2286	2021	890	1621	214	1639



UNI-Aire®
Air Conditioning Experts

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