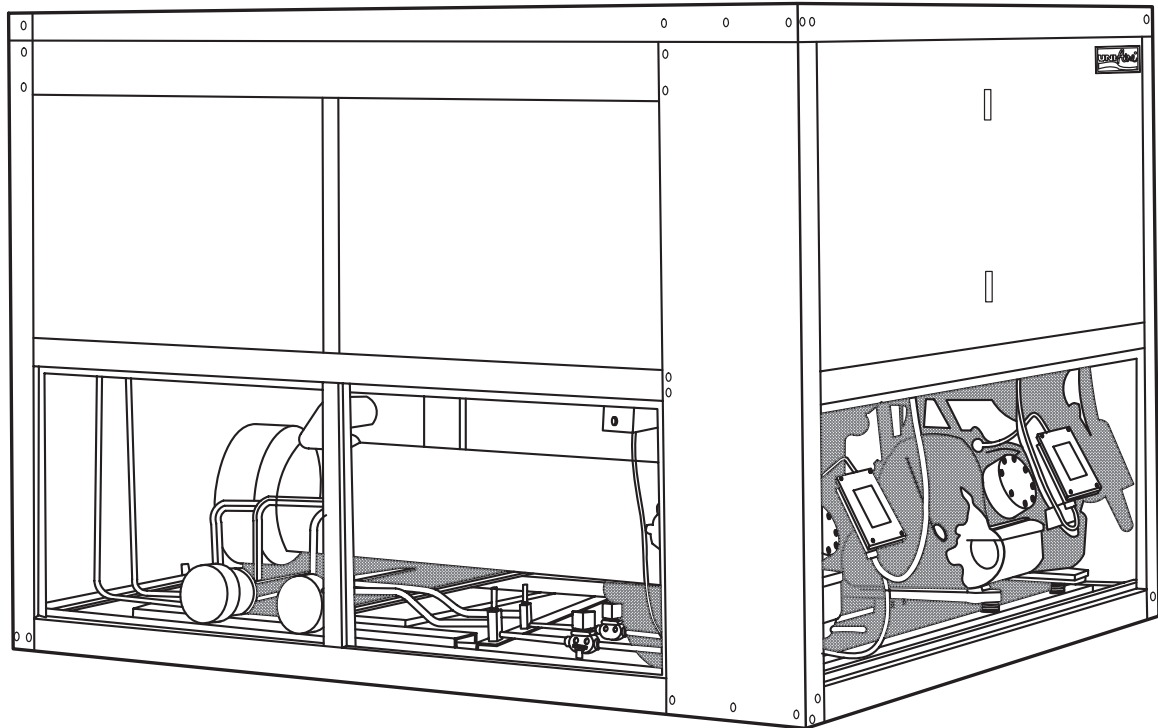


MODEL SACU-CHB

PACKAGED AIR COOLED
CHILLER

42-185 TR
147-652 KW



UNI-Aire[®]
ยูนิแอร์ แอร์พัมพ์รีดัก

PHYSICAL DATA & ELECTRICAL DATA

MODEL SACU-CHB (2 CIRCUITS)		050	060	070	080	100	120	140	160	180	210	240
NOMINAL COOLING CAPCTY MBH		505	560	650	740	1010	1120	1300	1480	1680	1950	2225
POWER CONSUMTION kW		50.8	59.4	69.0	78.6	101.7	113.0	135.1	154.3	169.5	198.3	230.0
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
CONDENSER COIL	Type / Material	ALUMINIUM CORRUGATED FIN / ALUMINIUM FIN & COPPER TUBE										
	Face area (Sq...Ft.)	69.4	100.7	100.7	100.7	138.9	138.9	170.1	170.1	201.4	201.4	239.6
	Rows...Fins/in	3...14	2...14	3...14	3...14	3...14	4...14	3...14	4...14	3...14	4...14	4...14
	Tube Size in	1/2										
CONDENSER FAN	Type	PROPELLER FAN : VERTICAL DISCHARGE : DIRECT DRIVE										
	Diameter in.	30										
	Each Motor (HP.)	1										
	RPM.	900										
	Qty./Unit	4	6	6	6	8	8	10	10	12	12	14
Air Quantity (CFM.)	40,000	60,000	60,000	60,000	96,000	96,000	120,000	120,000	144,000	144,000	168,000	
REFRIGERANT	Type	R - 22										
	Charge	HOLDING										
WATER CHILLER												
No. of Circuit		2										
Chilled Water Flow Rate	(GPM)	101	112	130	148	202	224	260	296	336	390	445
Chilled Water Tem. In/Out	(°F)	55 / 45										
Chilled Water Pressure Drop	(Ft. WG)	3.9	2.58	4.93	5.87	9.17	4.41	6.19	7.11	7.06	11.33	8.82
Water Connection In/Out	inch	3	3	4	4	4	5	5	5	6	6	8
WEIGHT	Operation (Kgs.)	1860	2337	2495	3403	4084	5013	5535	6352	6621	6847	7035
COMPRESSOR (Each)	Volt / Ph./ Hz.	380 / 3 / 50										
	Power Input (kW)	22.5	25.31	25.3 ; 34.9	34.91	22.5	25.31	25.3 ; 34.9	34.91	25.31	25.3 ; 34.9	34.91
	RLA. (Amp.)	44.9	48.7	48.7 ; 67.9	67.9	44.9	48.7	48.7 ; 67.9	67.9	48.7	48.7 ; 67.9	67.9
	LRA. (Amp.)	134	162	162 ; 207	207	134	162	162 ; 207	207	162	162 ; 207	207
FAN MOTOR (Each)	Volt / Ph./ Hz.	380 / 3 / 50										
	Power Input (kW)	1.47										
	FLA. (Amp.)	2.3										
Weight	Operation (Kgs.)	1860	2337	2495	3403	4084	5013	5535	6352	6621	6847	7035

Note :

RLA = Rated Load Amp.

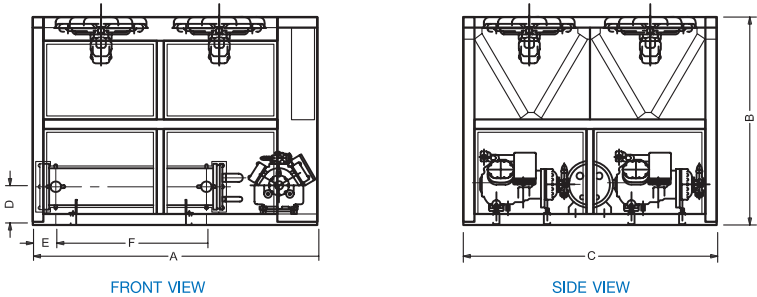
LRA = Locked Rotor Amp.

Nominal Cooling Capacity Based on 38° F Suction Temp. and 95° F Ambient Temp

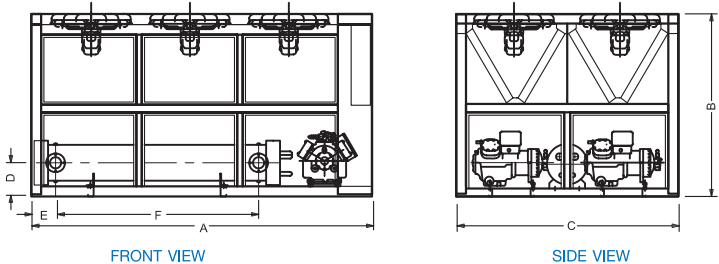
Liquid Subcooled 15° F

Specifications are subjected to change without notice for future improvement.

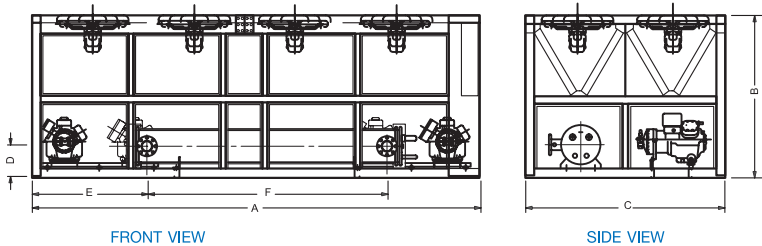
DIMENSIONAL DRAWINGS



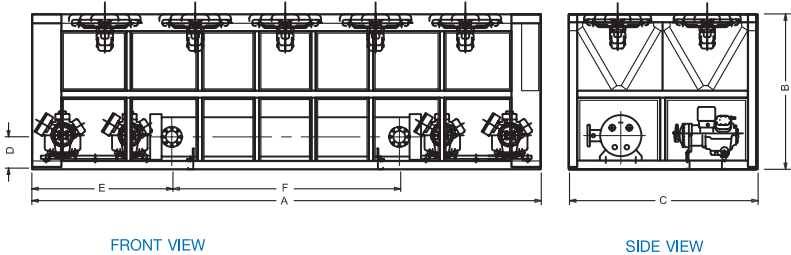
SACU-CHB	A	B	C	D	E	F
050(mm.)	2528	1830	2240	335	216	1334



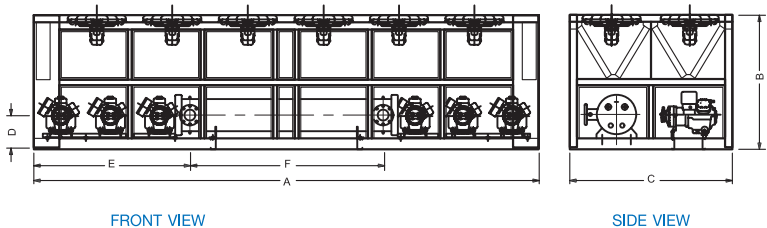
SACU-CHB	A	B	C	D	E	F
060(mm.)	3442	1830	2240	335	465	1601
070-080 (mm.)	3442	1830	2240	335	250	2032



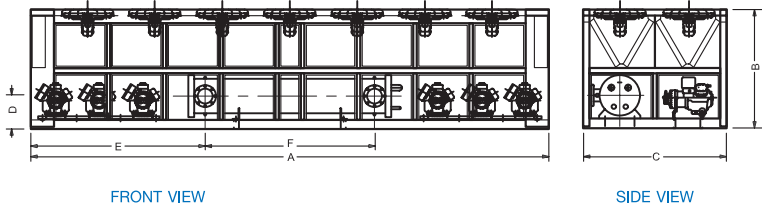
SACU-CHB	A	B	C	D	E	F
100(mm.)	5080	1830	2240	354	1301	2210
120(mm.)	5080	1830	2240	354	1312	2718



SACU-CHB	A	B	C	D	E	F
140-160 (mm.)	6081	1830	2240	380	1681	2718



SACU-CHB	A	B	C	D	E	F
180(mm.)	7076	1880	2240	405	2607	2463
210(mm.)	7076	1880	2240	405	2179	2718



SACU-CHB	A	B	C	D	E	F
240(mm.)	8136	1880	2240	481	2734	2668

STANDARD ACCESSORIES REFRIGERATION PARTS

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

ELECTRICAL PARTS

- MAGNETIC CONTACTOR W/OVERLOAD FOR FAN MOTOR
- MAGNETIC CONTACTOR W/OVERLOAD FOR MOTOR COMPRESSOR
- TIME DELAY RELAY DEVICES
- HIGH-LOW PRESSURE SWITCHES
- OIL PRESSURE SWITCH
- CRANKCASE HEATERS
- TEMPERATURE CONTROL DEVICE
- FREEZESTAT



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