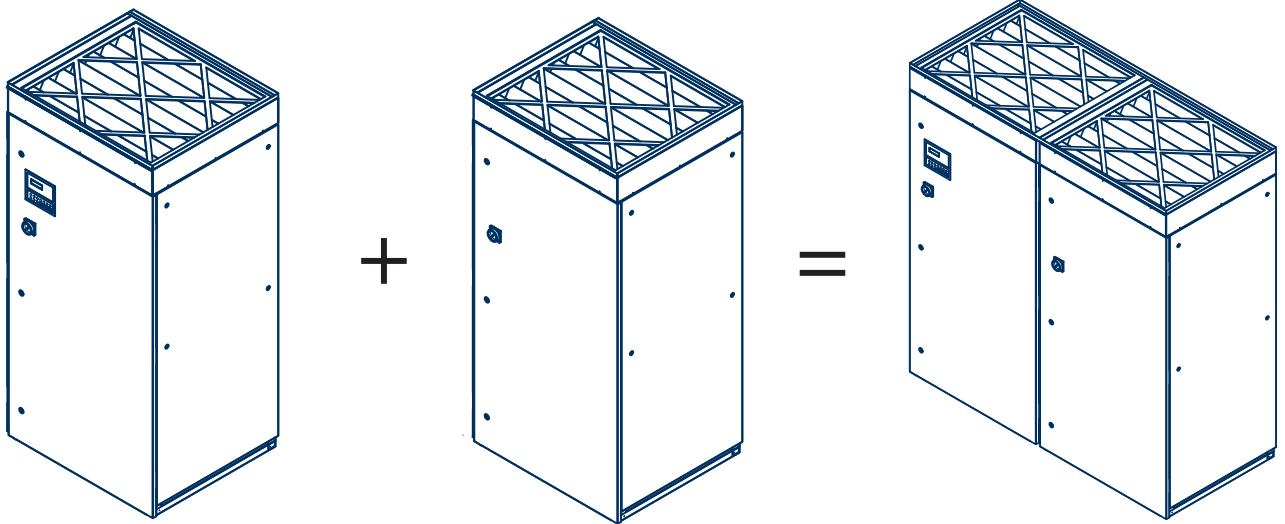


ModulAiR™

Floor Mounted Precision Air Conditioners

Modular Design Permits Ease of Installation & Rigging



From 7 to 20 Tons

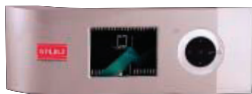
- DX- Air, Water, Glycol Cooled
- Dual DX Circuit Design with High Efficiency Scroll Compressors
- Up-Flow & Down Flow Air Patterns
- 100% Front Accessible



ModulAiR™

"MCS" Model	MCS-084-DAR	MCS-120-DAR	MCS-192-DAR	MCS-240-DAR
Nominal Performance Data (NET COOLING CAPACITY - BTU/H@EAT = 75°FDB/62.5°FWB, 50% RH)				
Air Cooled DX				
Total	79,106	104,675	164,735	210,947
Sensible	71,800	94,382	162,985	191,826
Water Cooled DX				
Total	86,969	116,256	183,905	235,120
Sensible	74,002	97,716	169,651	198,325
Glycol Cooled DX				
Total	76,785	101,369	159,027	204,506
Sensible	71,062	93,439	158,470	190,105
Electric Heat				
BTU/H (kW)	39,560 (10.02)	43,740 (10.02)	53,710 (10.02)	53,710 (10.02)
Humidification Type - Electrode Steam Canister Humidifier with Adjustable Output				
Lbs/Hr (kW input)	4-10 (3.4)	4-10 (3.4)	4-15 (5.1)	4-15 (5.1)
Evaporator Blower / Motor				
Horsepower (Qty)	1 (2)	1.5 (2)	3 (2)	3 (2)
CFM @ ext. static pressure	3,600 @ 0.5"	5,000 @ 0.5"	8,400 @ 0.5"	9,600 @ 0.5"
Physical Data				
Dimensions - Upflow (H"xW"xD")	76x62x30	76x62x30	76x79x34	76x79x34
Dimensions - Downflow (H"xW"xD")	82x62x30	82x62x30	82x79x34	82x79x34
Approximate Weight (lbs)	990	1040	1600	1620

Microprocessor Controls



The E² Series advanced microprocessor based controller continually monitors outside air conditions and maintains proper compressor and reheat operation, utilizing SATS' unique control method.

The controller logically examines both temperature and relative humidity and determines the proper control of cooling, heating, and dehumidification. The controller can be fine-tuned for each specific application, resulting in higher operational efficiency and shorter component run-times.

Steam Humidification

The electrode steam canister humidifier is available with all systems. Manually adjusted On/Off and optional proportional steam humidifiers are available.



Dehumidification Mode

Dehumidification mode with electric reheat is standard.

Optional methods of dehumidification:

- Hot Gas Reheat
- Hot water or Steam Reheat/Heat
- SCR Fired Electric Reheat/Heat

Capacity Modulation Options

- Standard Dual Compressor Systems
- Hot Gas Bypass Systems

Year Round Operation

Option offerings available on ModulAiR A/C's allow for year round, 24/7 A/C operation in any environment in the world.

High Efficiency/Quiet Operation

Low sound power Scroll compressors coupled with low RPM blower design and acoustically lined cabinets provide the optimum in quiet operation.

