



Shini USA Indoor Portable Air-Cooled Chillers are energy efficient and deliver precise process cooling.

The easy to operate chillers have a 45° to 77°F temperature range and include a high efficiency scroll compressor with R410A Refrigerant.

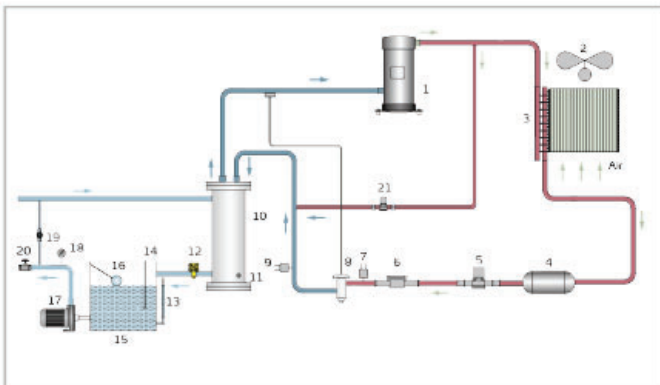
Each Indoor Portable Air-Cooled Chiller has a Powder Coated, heavy-duty sheet metal cabinet with lift-off panels and a fully insulated stainless steel reservoir.

All units are factory tested prior to shipping.

Design Benefits

- 45 - 77°F Operational Temperature Range
- Maximum Ambient Temperature 95°F
- R410A Refrigerant
- High Efficiency Scroll Compressor
- Copper Tube/Aluminum Fin Condenser
- Easy Access, No Tools Necessary
- Stainless Steel Construction Centrifugal Multi-Stage Pump
- Full Diagnostic Electrical Control Panel
- Brazed Plate Exchanger
- High and Low Side Liquid Filled Refrigerant Pressure Gauges

Working Principle



- | | |
|---------------------------|-----------------------------|
| 1. Compressor | 12. Anti-Freezing Switch |
| 2. Fan | 12. Flow Switch |
| 3. Fin Type Condenser | 14. Water Tank Level Sensor |
| 4. Drier Filter | 15. Temperature Sensor |
| 5. Solenoid Valve | 16. Water Tank |
| 6. Refrigerant Indicator | 17. Floating Ball Valve |
| 7. High Pressure Switch | 18. Pump |
| 8. Expansion Valve | 19. Water Pressure Gauge |
| 9. Low Pressure Switch | 20. By-Pass Valve |
| 10. Evaporator | 21. Valve |
| 11. Hot Gas By-Pass Valve | |

Specifications

Model	SIC-10A-R2-P	SIC-12A-R2-P	SIC-24A-R2-P
Capacity (nominal tons)	3	5	10
Flow Rate (GPM)	10	11	22
# of Compressors	1		
Compressor HP	8	5	10
Cooling Capacity Control	50%-100%		
Full Load Amps			
460 / 3 / 60	13	15	26
230 / 3 / 60	26	30	52
Condenser			
No. of Fans	1	1	2
HP of each	0.6	1	0.75
CFM	1,200	1,800	3,000
Pump			
HP	1	1	1.5
GPM / PSI	10 / 42	10 / 42	22.8 / 40
Reservoir Capacity (gal)	23	13	22
Process Connection (NPT)	1	1	1.5
Dimensions			
Length (in)	43	51	51
Width (in)	30		
Height (in)	54.5	59	
Operating Weight (lbs.)	551	450	500



1. Stainless Steel Water Tank
2. Three (3) Phase Pump
3. High/Low Pressure Gauges
4. Power Switch
5. Pump Pressure Gauge
6. Scroll-Type Compressor
7. Expansion Valve
8. Tube-Fin Condenser
9. Shell & Tube type Evaporator
10. Powder Coated Cabinet

Other Plastics Auxiliary Equipment from Shini USA



Front Feed Granulators



Hot Air Dryers



Desiccant Dryers



Blenders



Conveyors



Top Feed Granulators



Temperature Control Units



Material Loaders



Chillers



Feeders