



Liquid chillers

for industrial applications with piston and scroll compressors



Cooling Capacity from 0.2 to 4.2 tons

Compact Solution for all Industries



- Non-Ferrous hydronic circuit. Copper coaxial coil immersed into a stainless steel (AISI304) cold buffer tank. Allows energy saving and consistent control of the coolant temperature.
- Maximum Reliability and Robustness for harsh industrial conditions. The immersed evaporator reduces the on/off cycling of the compressors for a long working life.
- Compact footprint and High Efficiency, saving floor space and reducing energy consumption.
- OIL Cooler Version is available for use directly in with oils or emulsions.
- Wide range of Pump selections up to 100psi
- Next Generation refrigerant; R513a
- From model CAL012 possible to install outdoors in low ambient temperature, brushless EC axial fans complete with protective grilles and die-cast aluminum blades;
- Advanced RS10 controller with LED digital display and TTL serial port.
- Different voltages may be built on demand
- Electrical cabinet approved and certified cULus
- NPT Connectors
- Options Include: Blygold or Epoxy condenser coatings, Remote controls, Master/Slave operations, RS485 serial communication, Casters, manual bypass, and automatic bypass.
- Custom designs available for OEM

Wide Application: Food & Beverage, Machine Tool, Plastic & Rubber, Laser, Printing, Chemical & Pharmaceutical, Biogas, Medical Imaging, Induction, Solvent Recovery, Extraction, X-ray, Hydraulic power units, and more!

CUBE - R513A	Mod.	001	002	003	004	005	006	007	008	009	011	012	013	016
Cooling capacity (1)	Tons	0.2	0.3	0.4	0.5	0.6	0.7	0.8	2.1	2.2	2.7	3.1	3.5	4.2
Total power input	kW	0.4	0.6	0.7	1.1	1.1	1.2	1.6	2.6	2.6	3.1	3.8	4.0	4.8
Nominal flow rate	gpm	0.23	0.40	0.63	0.96	1.23	1.32	1.71	4.59	4.78	5.90	6.79	7.73	9.42
Evaporator Pressure Drop	PSI	0.3	0.4	0.7	1.3	1.1	1.8	3.5	0.3	6.0	4.9	6.0	3.9	5.2
P3 pump available head pressure	PSI	81	80	80	79	79	78	76	64	58	58	56	58	54
Storage tank capacity	gallon	5					14				21			
Power supply	V/Ph/Hz	230/1/60							460/3/60					
DIMENSIONS AND WEIGHTS														
Width	inch	27"					27"				30"			
Depth	inch	31"					29"				39"			
Height	inch	18"					43"				51"			
Weight (2)	lb	165	165	169	169	176	308	315	315	326	506	506	528	528
Hydraulic connections	NPT	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"

(1) Air Cooled water chiller at Working conditions 45/55F and 95F ambient according to AHRI 550

(2) Empty weight, does not include fill weight of cooling fluid



RPS Cooling USA

95 Mt Read blvd #149

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