

Air Cooled Water Chiller

Mellcon Engineers New Delhi are the manufacturers of aircooled water chiller plants and water chilling plants ranging from 1 TR. to 40 TR. nominal cooling capacity for industrial applications like laser chiller, medical chillers ,process chiller, machine cooling, aquarium chiller etc.

Mellcon range of Air Cooled recirculating Water chiller system represents the ideal solution for the water cooling of Industrial process Water chiller Systems & designed to facilitate quick installation for all packaged chilled water system requirements .

Salient Features of Process Water Chiller

- Compact skid mounted water chiller system, ready to install.
- Water Chillers are fully automatic with tried & tested controls.
- Quick chilling is ensured with plate type or shell and tube evaporators.
- Our water chillers use energy saving and high efficiency fin tube aircooled condensers with liberal sized fans
- Load testing as per ASHRAE standards before despatch.
- Guaranteed cooling capacity at rated parameters.
- Specific design to meet customer requirement also available in addition to standard models.



Applications of Industrial Air cooled Water Chiller

- Chemical / Pharmaceutical process water chilling.
- Plastic Process chiller for : Injection Molding, Blow Molding, (Mould Chiller) etc. Extruders, PVC Pipes, Woven Sacks, PP Film Lamination etc.
- Calendars (Plastic & Rubber) Water Chiller.
- Milk and Dairy / Pasteurising , Food Products.
- Lubricants / Oil Cooling and Dewaxing of Oils
- Plating, Anodizing and Induction heat treatment water chiller
- Pulp and Paper Processing.
- Printing Ink / Paper Waxing cooling.
- Bleaching / Dyeing Industry water chiller
- EDM Machine cooling.
- Concrete curing.
- Comfort cooling.
- Laser cooling
- Process water chilling .

The Fine Quality Component Features

- Hermetic / Semi hermetic sealed / screw compressors with internal over load protection.
- Air cooled condenser with copper tubes and Aluminum fins.
- Plate type / shell and tube evaporator for high efficiency.
- Stainless Steel storage tank with external insulation to prevent moisture ingress and condensation.
- Refrigerant circuit consists of reputed filter dryer, thermostatic expansion valve / capillary, sight glass, accumulator. and other controls from Danfos /Sporlan / Alco
- Controls with safety devices - high and low refrigerant switches, low water level, flow switch.
- All Refrigerant tubing is high grade copper.
- Digital temperature indicator controller for precise temperature controlling.
- Audio visual indication for controls and safeties.
- Pumps suitable for high flow and pressure.
- Trolley mounting- optional.

Aircooled Water Chillers

S. No.	Model No.	Nominal Cooling Capacity		Compressor Power K.W	Pump Power H.P	Water Flow LPM
		Watts.	TR.			
With Sealed Reciprocating Compressor						
1	SR 05 AC	1750	0.5	0.7	0.25	10
2	SR 10 AC	3500	1.0	1.4	0.50	15
3	SR 15 AC	5250	1.5	1.7	0.75	25
4	SR 20 AC	7000	2.0	2.4	1.00	35
5	SR 30 AC	10500	3.0	3.2	1.00	50
6	SR 40 AC	14000	4.0	4.1	1.50	60
7	SR 50 AC	17500	5.0	6.0	1.50	70
8	SR 60 AC	21000	6.0	6.7	1.50	80
9	SS 70 AC	24500	7.0	7.5	2.00	90
10	SR 100 AC	35000	10.0	10.1	3.00	120
11	SR 120 AC	42000	12.0	12.7	3.00	150
With Sealed Scroll Compressor						
12	SS 40 AC	14000	4.0	4.0	1.50	60
13	SS 50 AC	17500	5.0	4.8	1.50	70
14	SS 60 AC	21000	6.0	5.3	1.50	80
15	SS 70 AC	24500	7.0	6.5	2.00	90
16	SS 80 AC	28000	8.0	7.3	2.00	100
17	SS 100AC	35000	10.0	8.1	3.00	120
18	SS 120AC	42000	12.0	10.7	3.00	150
19	SS 135AC	47250	13.5	12.4	3.00	170
With Semi-Sealed Reciprocating Compressor						
20	SSR 155 AC	54250	15.5	14.5	3.00	200
21	SSR 200 AC	70000	20.0	17.0	5.00	300
22	SSR 230 AC	80500	23.0	21.0	5.00	315
23	SSR 250 AC	87500	25.0	25.4	5.00	325
24	SSR 300 AC	105000	30.0	36.1	5.00	390
25	SSR 350 AC	122500	35.0	44.8	5.00	440
26	SSR 400 AC	140000	40.0	51.4	5.00	480

Note: The above models are with R-22 as a refrigerant. We can also offer water chiller with ecofriendly refrigerant i.e **R-134A , R-404A.**

Legend

SR : Sealed Recip
SS : Sealed scroll
SSR : Semisealed Recip.

The above water chillers are based on Sealed / Semisealed compressors of Copeland / Maneurop / Bitzer / bock

* Multiple circuit chillers can also be offered

Note : Higher capacities & lower temperature equipments are also offered.
 Above capacities are rated at 12 Deg. C Discharge water Temperature.
 Maximum Ambient Air Temperature 35 Deg. C

All above data is subject to change without notice