

# AIR CHILLERS

Variable Temperature Range

Compact Design Covering Minimum Floor Area

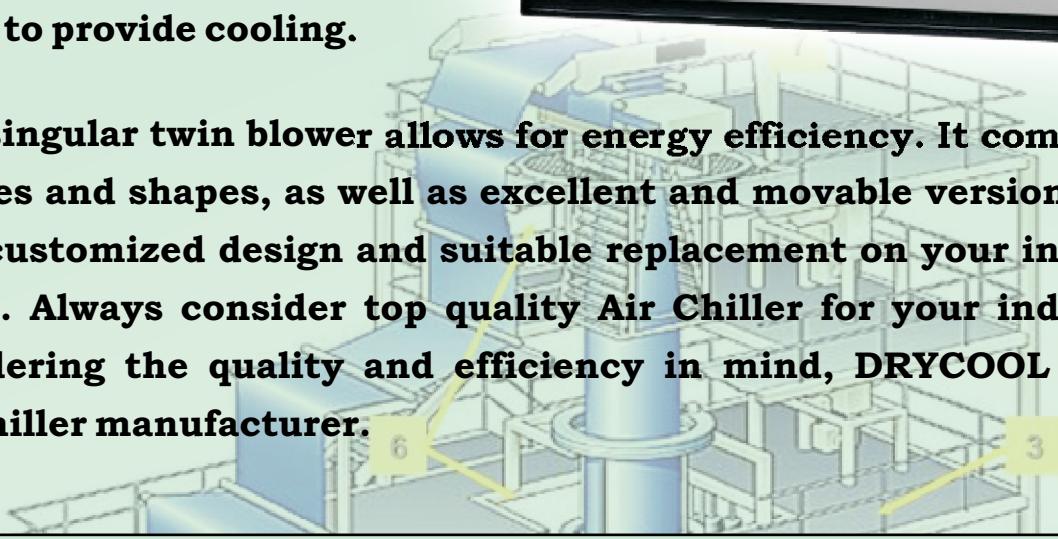


**DRYCOOL DAC Series Chillers** come with cooling capacity from 9 TR to 30 TR with operating temperature of 5°C to 20°C in ambient air temperature of up to 40°C.

The Air Chiller works by soaking warm temperature from treated liquid. This sort of equipment uses air to chill the coolant and delivers air to the heat exchanger.

The innovation machine is totally mechanized, with a robust quality assurance and surveillance system incorporated in. Panel style, tank, and pipe evaporator coils are used to provide cooling.

The use of a singular twin blower allows for energy efficiency. It comes in a variety of sizes and shapes, as well as excellent and movable versions. You can select a customized design and suitable replacement on your industry requirements. Always consider top quality Air Chiller for your industrial plant. Considering the quality and efficiency in mind, DRYCOOL is the reliable Air Chiller manufacturer.



#### TECHNICAL SPECIFICATION

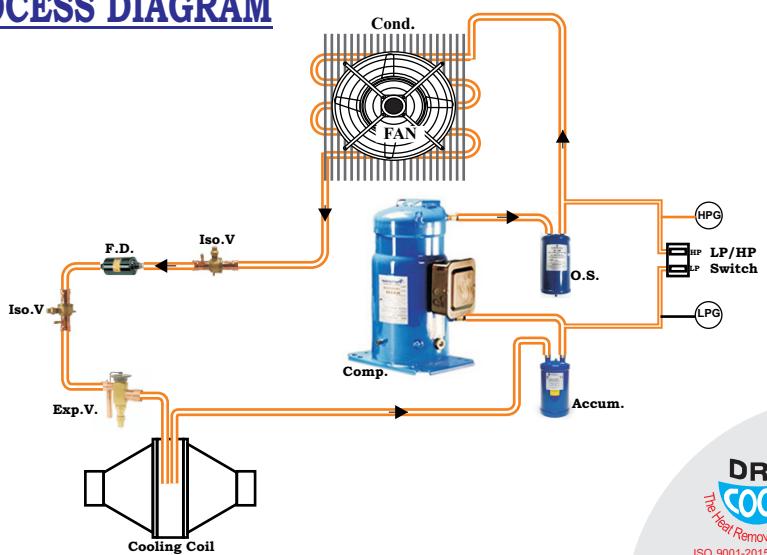
| MODEL                      | DAC-13                                     | DAC-20 | DAC-26 | DAC-40 | DAC-48 | DAC-60 | DAC-72 |
|----------------------------|--|--------|--------|--------|--------|--------|--------|
| No. of Circuit             | 1  | 1      | 2      | 2      | 2      | 2      | 2      |
| Chilled Air Quantity (CMH) | 1300                                       | 2000   | 2600   | 4000   | 4800   | 6000   | 7200   |
| Temperature Range          | 4°C - 20°C                                 |        |        |        |        |        |        |
| Power Supply               | AC 50Hz, 415V, 3 Ph.                       |        |        |        |        |        |        |
| Compressor                 | Scroll / Screw / Semi Hermatic / Open Type |        |        |        |        |        |        |
| Cooling Coil               | Dx - Type                                  |        |        |        |        |        |        |
| Condenser                  | Air Cooled / Water Cooled                  |        |        |        |        |        |        |

## **UNIQUE FEATURES**

- Energy efficient and reliable scroll compressor with hermetically sealed suction gas cooled motor
- Each model is equipped with PLC based control platform. Control features include 2 line 16 character LCD display, onboard fault indication with audio alarm
- Accurate temperature control with the help of modulating hot gas bypass valve
- Intelligent program to save energy for dual compressor chiller circuit specifically for part load application
- Display of set value and actual value on screen
- Display of return air temperature on screen
- Scroll and function buttons allow you to navigate the chiller's control platform
- Neatly organized internal component layout
- Proven component suppliers i.e. Copeland, Danfoss, Siemens, Emerson, IFM have been chosen for ultimate reliability and availability
- All chillers are factory tested under load prior to shipment
- Finned and Tube Evaporator – high surface area due to internally grooved copper tube, generously sized for industrial environment and tested to 300 PSIG with lower pressure drop
- RTD temperature sensors yield higher precision and repeatability than thermocouples
- Three phase monitor protects against unit damage due to phase reversal or loss of phase

## **AIR COOLED AIR CHILLER PROCESS DIAGRAM**

|              |                                   |
|--------------|-----------------------------------|
| Cond.        | Condenser                         |
| F.D.         | Filter Dryer                      |
| Iso. V       | Isolating Valve                   |
| LP/HP Switch | Low Pressure/High Pressure Switch |
| HPG          | High Pressure Gauge               |
| LPG          | Low Pressure Gauge                |
| Accum.       | Accumulator                       |
| E.V.         | Expansion Valve                   |
| Comp.        | Compressor                        |
| O.S.         | Oil Separator                     |





**C-34, Sector-63, Noida - 201307**

**Mob. No. +91-98111-27340, +91-98111-60920**

**Tel. : 0120-4246651**

**E-mail : [dcsipl@hotmail.com](mailto:dcsipl@hotmail.com)**

**[vatsal.verma@drycoolchillers.com](mailto:vatsal.verma@drycoolchillers.com)**

**[Website : www.drycoolchillers.com](http://www.drycoolchillers.com)**



ISO 9001-2015 Company

