



CCU-SP50 Swimming Pool Climate Control System

450 pints (213 liters) Per Day



The attitudes and operating strategies of pool owners and managers have changed in recent years. Comfort is primary but comfort without efficient operation is not an option. The high cost of energy plus on-going maintenance and premature replacement is not a choice. Pool owners want equipment that will deliver user satisfaction at the lowest price and that is easy to operate. DewAir® is the answer! DewAir systems provide exceptional value, delivering consistent environment control with unparalleled efficiency and competitive market pricing.



The IECS-SP50 series provides cost effective, energy efficient, temperature and humidity control for hotels, therapy pools, fitness facilities, private residences, and similar size indoor pools.

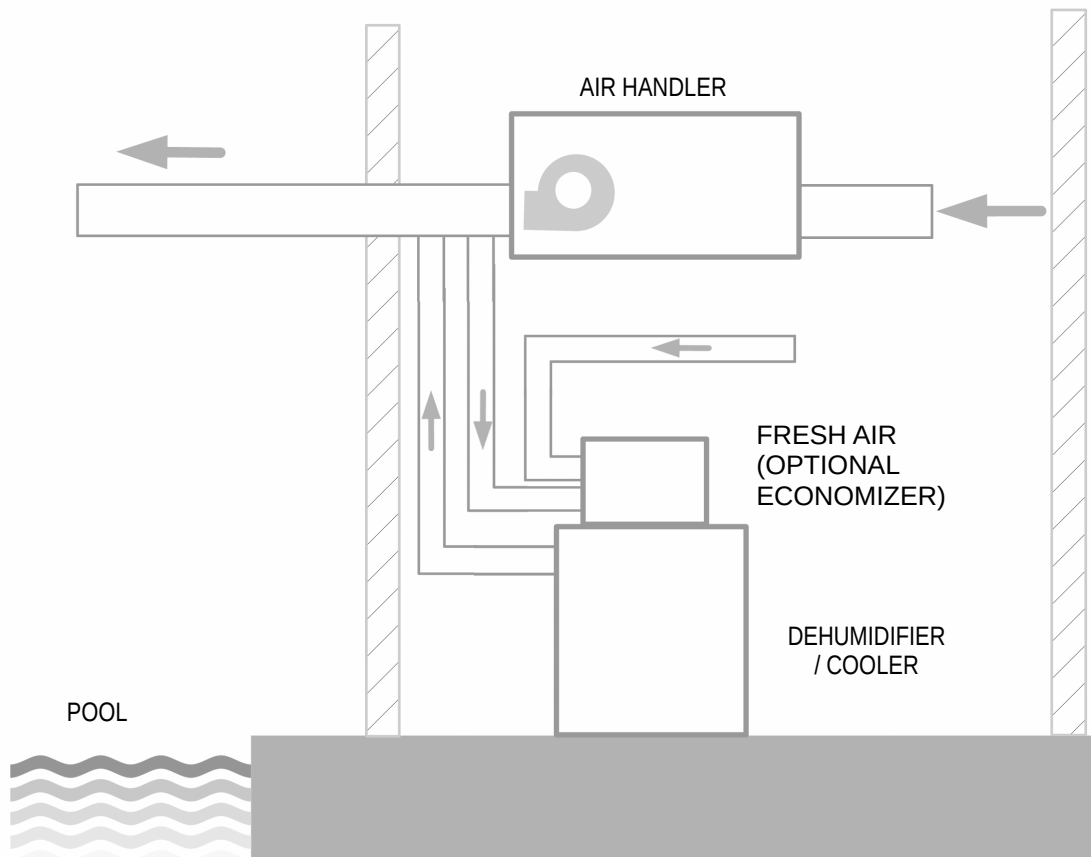
The IECS-SP50 has three major components: a hydronic Air Handler, a Dehumidifier / Cooler, and a refrigerant condenser. The air handler provides air circulation and is the primary source of heating and cooling. The Dehumidifier / Cooler's main function is dehumidification, but it also supplies supplementary cooling or heating. The condenser and dehumidifier form a split-air refrigeration system. The condensers vary in size from 2 to 5 tons depending on pool size.

The two 10-inch round ducts return panel showing as being on the top right side can be interchanged to be located either on top or the left side to accommodate tight installation.

The supply air can be installed on either side or top, they are a back connection also.

Optionally, the system can be equipped with an economizer control and damper system.

The refrigerant hook-up is identical to a split-air air conditioning system.



SYSTEM FEATURES

- High capacity - removes up to 648 lb (293 liters) per day.
- High efficiency - up to 3.6 liters/kWh. Which results in energy saving
- Decoupled; The dehumidification / cooling process/heating process are controlled independently
- No need for condenser re heat since the dehumidifier dehumidifies without over-cooling
- The 3 and 5 ton modulating unit offers the heat pump capability which provides enormous energy saving
- Modular for easy installation – can be disassembled into four sections so that it can be maneuvered through narrow openings and tight spaces and be installed by a single technician.
- Versatility - Delivery and return ducting can be

on the top or the side

- Easy to service - Completely serviceable for cleaning and maintenance from the front of the unit.

Longevity

All components are treated to prevent corrosion and to tolerate the chemicals of a pool environment.

Warranty

5 years for the compressor, and 1 year for all other parts.

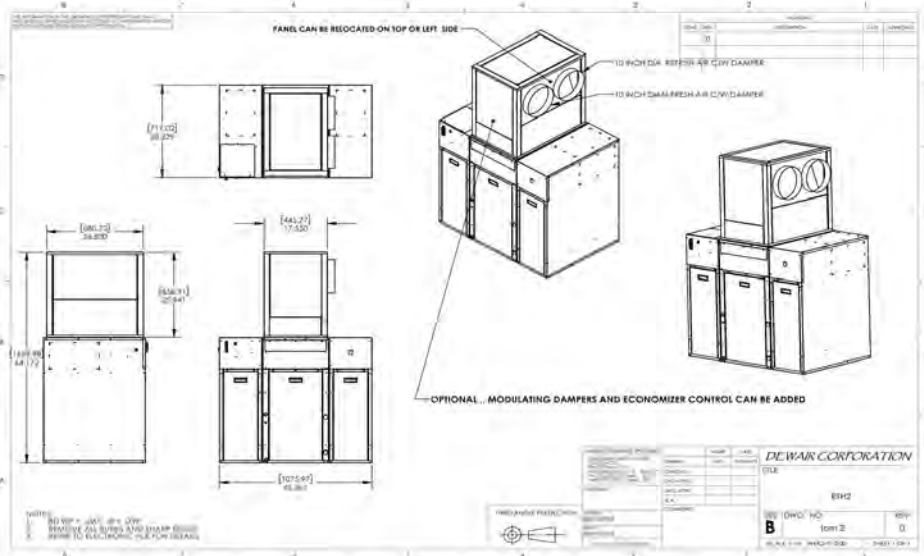
Support

Our support team will work with you via email, phone, or video conferencing to ensure a smooth problem-free installation.

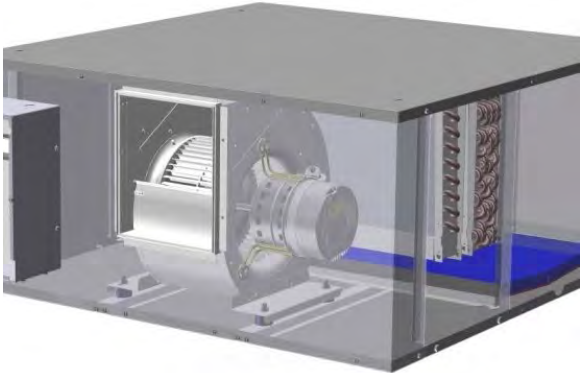
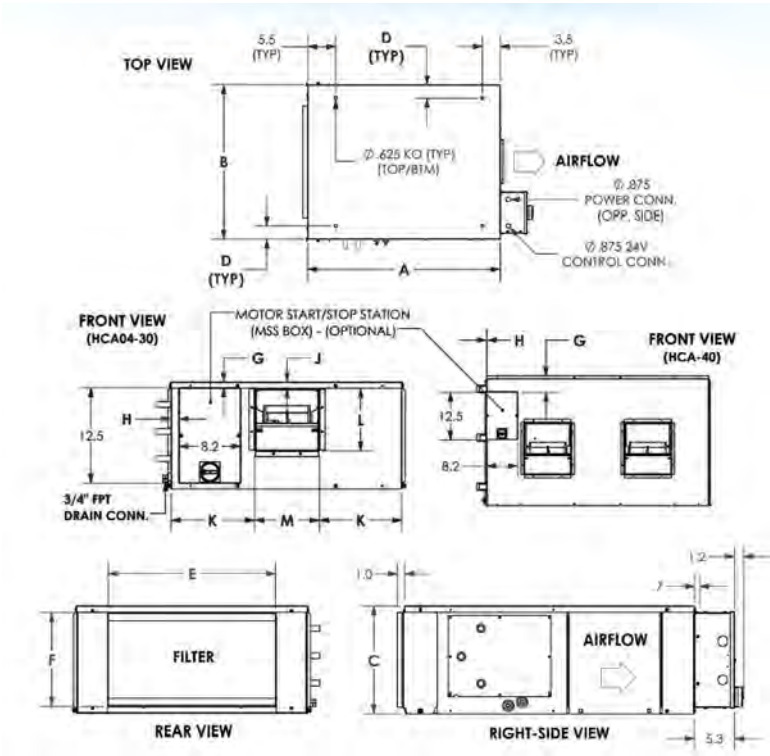
PERFORMANCE

CONDITIONS 82°F 60% RH

DEHUMIDIFICATION		AIR CONDITIONING		CONDENSER		FAN
MODE		MODE		TYPE	CAPACITY	
LBS /HR	MBH	LBS	MBH		TON	CFM
21	4	17	17	MODULATING h/p	3	680
27	5	21	32	MODULATING h/p	5	680



DEHUMIDIFIER/COOLER



AIR HANDLER

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