KINNEY®

General Description

The Kinney Air-Cooled Heat Exchangers are engineered for those applications whereby water-cooling is unavailable or unacceptable. Mounted near the vacuum pump, the systems use their own integral circulation pump and fan cooled heat exchanger to continuously recirculate and cool the media in the water jacket of the vacuum pump. The circulation pump forces the cooling media through the fan cooled heat exchanger and returns it back to the water jacket. The purpose of the air-cooled heat exchanger is to cool the sealing oil without providing a continuous supply of cooling water.

The inlet to the air-cooled heat exchanger is connected to the cooling water outlet connection of the vacuum pump. The cooling media flows through the circulating pump and the heat exchanger, then is returned to the water inlet connection of the vacuum pump. The vacuum pumps utilize an ethylene glycol/water mixture as the cooling media being re-circulated through the jacket of the vacuum pump.

Features

- Bronze circulation pump with closed-coupled TEFC motor
- Single phase or three phase models available
- Floor mounted heat exchangers with copper tubes, steel tank, TEFC motor, and two hoses

Specifications

MODELS	LENGTH In. / mm	HEIGHT In. / mm	WIDTH In. / mm	FAN MOTOR HP / kW	CIRCULATION PUMP MOTOR HP / kW
KTC112; KT150	30 / 762	24 / 610	24 / 610	1/4 / 0.19	1/2 / 0.37
KT300 / 505LP		28 / 711	27 / 686	1/4 / 0.19	
KT500		40 / 1016	37 / 940	1/2 / 0.37	
KT850	38 / 965	32 / 813	39 / 991	2 / 1.49	

- Horsepower shown is for single phase power except for KT850 (3-phase)
- 3-phase power versions are available upon request
- Maximum Ambient Temperature: 90° F (50% relative humidity)
- Maximum Elevation: 3,000 ft.

CONTACT US

For more information, contact your Regional Sales Manager or call us at:

1-800-825-6937

Your Local Sales Professional:

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