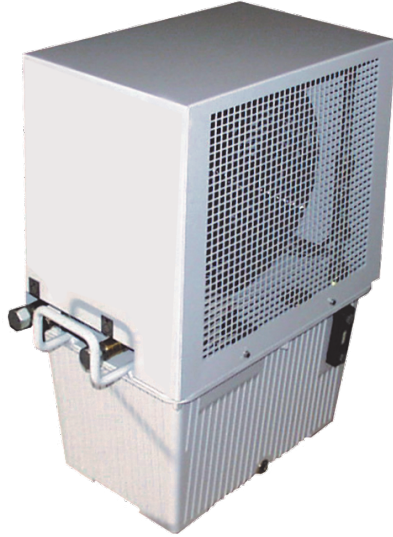


WL Series Liquid Cooling System

Oil cooled systems OL4503 is designed to circulate transformer oil and are used in applications where the temperature at the heat source exceeds the operational temperature limit of water?based coolants, or when special insulating properties are required within the coolant loop. The OL Series is a recirculating liquid to air heat exchanger that offers dependable, compact performance by removing large amounts of heat from a liquid circuit. The coolant pump to assure maximum flow rate. The coolant is recirculated using a high-pressure pump to assure maximum flow rate. Heat from coolant is absorbed by a heat exchanger and dissipated into the ambient environment using brand name fan.

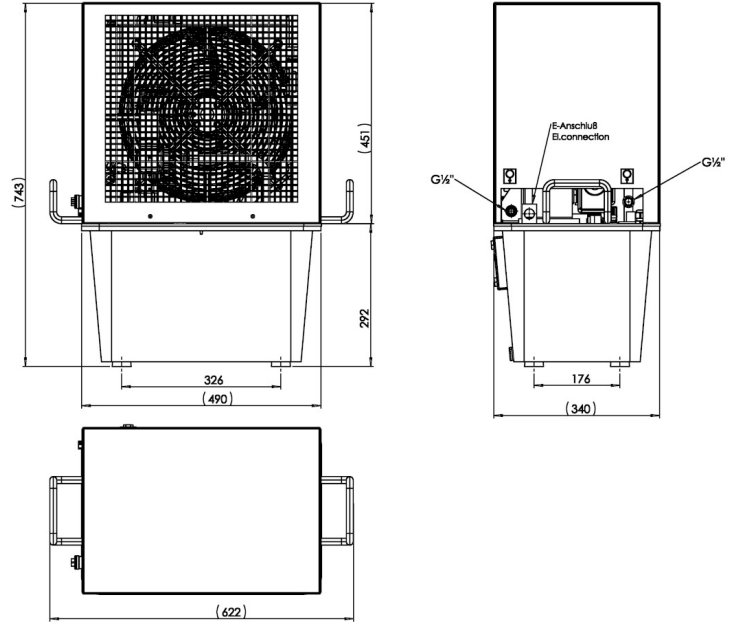


Features

- Cooling to ambient
- High heat pumping capacity
- Compact form factor
- Long life operation

Applications

- Cooling Particle Accelerators: Linear Accelerators and Cyclotrons
- Spindle Screw Pump Technology for Medical Cooling
- Semiconductor Fabrication Equipment Cooling
- X-ray Cooling in Industrial Scanners



Technical Specifications

Performance

Nominal Cooling Capacity	4,500 W
Nominal Operating Flowrate (60 Hz)	22.0 L/min @ 3.5 Bar
Nominal Operating Flowrate (50 Hz)	22.0 L/min @ 3.5 Bar

Operation

Coolant	Shell Diala S3-ZXIG
Operating Temperature	-10°C to 40°C
Storage temperature range (w/o coolant)	-25°C to 70°C
Humidity range	20% to 90%
Storage Humidity range	5% to 95%, non-condensing
Input Voltage	230 VAC
Frequency	50/60 Hz
Current	< 4.6 Amps
Flow Switch Open	≤ 14 L/min
Input Power Connection	Terminal Block
Maximum Forward Pressure	9 Bar

Physical

Height	750 mm
Length	650 mm
Width	350 mm
Weight	49.6 kg
Coolant Capacity	23 Liters
Oil Fitting	G 1/2" Female

Any information furnished by Tark Thermal Solutions and its agents, whether in specifications, data sheets, product catalogues or otherwise, is believed to be (but is not warranted as being) accurate and reliable, is provided for information only and does not form part of any contract with Tark Thermal Solutions. All specifications are subject to change without notice. Tark Thermal Solutions assumes no responsibility and disclaims all liability for losses or damages resulting from use of or reliance on this information. All Tark products are sold subject to the Tark Thermal Solutions Terms and Conditions of sale (including Tark's limited warranty) in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2025 Tark Thermal Solutions, Inc. All rights reserved.

Revision: 03 Date: 07-01-2025

Print Date: 07-01-2025