

### 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

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

### Operation

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

### Physical

<b>Height</b>	750 mm
<b>Length</b>	650 mm
<b>Width</b>	350 mm
<b>Weight</b>	49.6 kg
<b>Coolant Capacity</b>	23 Liters
<b>Oil Fitting</b>	M26 x 1.5 Female

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