

LASER WEAPON COOLING SYSTEM

Liquid Cooling System designed for ground based laser weapon systems. Liquid coming from 3 different lines is cooled by vapor compression cycle and recycled to the platform. System cools the 3 lines up to 7,5 kW.



Technical Data

FEATURE	UNIT
External Unit Weight	55 kg
External Unit Operating Temperature	-30 °C +50 °C
External Unit Storage Temperature	-30 °C +50 °C
Internal Unit Weight	185 kg
Internal Unit Operating Temperature	0 °C 40 °C
Internal Unit Storage Temperature	-30 +50 °C
Cooling Power	7.5 kW
Coolant Liquid Flow	37 LPM
Coolant Liquid Feeding Temperature Range	15 21 °C
Max. Power Consumption	10 kW
Electrical Feeding	3 FAZ 380 V AC

Features

- Cooling system for short range laser based air defence system
- Lasers are highly temperature dependent to achieve high efficiency and stable optical wavelength.
- Laser Weapon Cooling System performs cooling effectively in a narrow temperature range.

