

Lab series

air-water-chiller systems



model		LAB0080	LAB0150 basic cooler	LAB0150 extension module (3kW together with basic module)
effectively available cooling capacity at 50/60 Hz	W	800	1500	
temperature stability	°C	+/-0.1		
setpoint range	°C	15 - 25		
flow temperature	°C	20		
ambient temperature	°C	32		
tank volume	l	5	tank is in basic cooler	
flow cooling medium	l/min	5-10	pump is in basic cooler	
external pressure drop	bar	3-5	pump is in basic cooler	
power supply	V/Hz	230 V 50/60 Hz		connection with basic cooler
refrigerant	type	R290		
water connections	IG	½"IT		connection with basic cooler
sound pressure level	dB(A)	62		
dimensions (width/height/depth)	mm	460 x 386 x 735	460 x 386 x 735	460 x 318 x 735
weight (without water)	kg	85	90	90

Equipment

- natural refrigerant R290
- suitable for DI water
- water bypass and pressure relief valve
- LCD graphic display
- remote start via 24 V DC signal
- speed-controlled fan
- interface RS 485 and ethernet
- customized options on request



Advantages at a glance:

- dynamic temperature control
- temperature stability ≤ 0,1 K
- compact and modern design
- modular construction: basic cooler and extension module
- low noise and vibration
- energy efficiency
- plain text reports

Perfectly coordinated technology

A robust refrigeration technology, customized for the respective application is the prerequisite for a reliable, stable and economic production process.

For more than 50 years the technotrans group is a strong and competent partner for cooling, temperature control and filtration, and offers high quality system solutions for the laser, healthcare and analytics industries worldwide. In order to meet the increasing demands for modularity and flexibility, technotrans has developed the new LAB series, a platform with which basic coolers and expansion modules can be easily plugged together to increase cooling performance.