

Date : 08.09.2025

Heat transfer device : Cooler		PHE Code : ILWPL22030EK	
No. of plates	: 60	Series * Parallel: 1*1	
Length	: 306,0 mm	Height	: 151,4 mm
Width	: 106,0 mm	Weight	: 8,62 kg

	Side 1	Side 2	Unit
Fluid name	ISO VG32	Water	
Volume Flow rate	120,00	50,00	L/min
Inlet temp.	60,00	35,00	°C
Exit temp.	51,47	43,43	°C
Pressure drop	44,4	6,5	kPa
Allowable press. drop	50,0	50,0	kPa
Fouling Resistance	0	0	m ² , °C / W
No. of channel	29	30	

Reference temp.	55,7	39,2	°C
Density	861,6	991,2	kg/m ³
Specific heat capacity	1,986	4,176	kJ/kg, °C
Thermal conductivity	0,127	0,629	W/m, °C
Viscosity	15,58	0,664	cP
Channel velocity	0,34	0,14	m/s

Log mean temp. diff.	16,521	°C
Heat transfer area	1,479	m ²
Heat load	29,11	kW

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent