

Date : 08.09.2025

Heat transfer device : Cooler PHE Code : ILWPL40050EK (ILWPL40050EP)

No. of plates : 50 Series * Parallel: 1*1

Length : 304,0 mm Height : 128,6 mm

Width : 124,0 mm Weight : 8,35 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.	51,66	43,24	°C
Pressure drop	63,5	8,7	kPa
Allowable press. drop	50,0	50,0	kPa
Fouling Resistance	0	0	m ² , °C / W
No. of channel	24	25	
Reference temp.	55,8	39,1	°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	0,37	0,15	m/s
Log mean temp. diff.	16,708		°C
Heat transfer area	1,440		m ²
Heat load	28,46		kW
Plate material	316		
Solder	Copper		
Working Press.	30 bar (max.)		
Testing Press.	43 bar (min.)		
Flow arrangement	Countercurrent		