



THERMALFROST Intl. Inc.

Standard SORPTION CHILLER SELECTION DATA SHEET

CUSTOMER				
DATE				
Unit Size		-	TF030	
Capacity Range		%	10~100	
Cooling Capacity		kW	30	
Chilled Water	Inlet Temp	°C	12.0	
	Outlet Temp	°C	7.0	
	Flow Rate	m³/hr	5.16	
	Pressure Drop	kPa	72.0	
	Fluid Type	-	Fresh Water	
	Fouling Factor	m²·K/kW	0.01800	
	Pass Number	-	1	
	Pipe Connection Size, ANSI Flange	mm	32	
Cooling Water	Inlet Temp	°C	28.0	
	Outlet Temp	°C	33.0	
	Flow Rate	m³/hr	13.59	
	Pressure Drop	kPa	150.0	
	Fluid Type	-	Water	
	Fouling Factor	m²·K/kW	0.04400	
	Pass Number	A	-	1
		C	-	1
Pipe Connection Size, ANSI Flange	mm	32		
Hot Water	Inlet Temp	°C	90.0	
	Outlet Temp	°C	84.0	
	Flow Rate	kg/hr	7020	
	Pressure Drop	kPa	85.0	
	Pipe Connection Size, ANSI Flange	mm	40	
Electrical	Power Supply		- 380V-3Ph-60Hz	
	Power	Solution Pump	kW 1.00	
		Refrigerant Pump	kW 0.40	
		Capacity	kVA 2.50	
Charge	Absorbent	kg	50	
	Refrigerant	kg	55	
Dimension	Length	mm	1340	
	Width	mm	1140	
	Height	mm	1980	
Weight	Rigging	kg	862	
	Operating	kg	985	
Max. Working Pressure	CHW Side	MPa	1.0	
	CW Side	MPa	1.0	
	HW Side	MPa	1.0	
Water Pipe Connection		-	ANSI Flange, FF 150PSI	
Applied Code		-	Maker Standard	
Shipping Method		-	1 piece	
Painting Color		-	Blue & White	
Thermal Insulation		-	Factory	