

Temperature Range (Machine outlet Temp.)	- 25 °C to 200 °C		Model	SUNDI-2A38W-2T N
Temperature Control Mode	Feed-forward PID + Special dynamic control calculation, PLC controller			
Temp. Difference (ΔT)	Set or control the Temp. difference between jacket oil and raw material process			
Program Editor	20 programs, each program can edit 45 steps			
Graph	Yes			
Communication Protocol	MODBUS RTU Protocol, RS 485 interface			
Process Temp. Sensor	PT 100 3 Wire			
Temperature Accuracy	± 1 °C			
Temperature Resolution	0.1 °C			
Heating Power	38 kW			
Cooling Capacity	200 °C	38 kW		
	100 °C	38 kW		
	20 °C	26 kW		
	0 °C	18 kW		
	- 20 °C	11 kW		
Circulation Pump (Flow Max.)	150 Ltr/min			
Pump Pressure	2.5 bar			
Compressor	Copeland			
Expansion Valve	Copeland			
Oil Separator	Copeland			
Evaporator	KAORI Plate heat exchanger			
Filter Dryer	Danfoss			
Operation Panel	10-inch color touch screen controller, temperature curve record, data export to excel format			
Pressure Protection	Danfoss			
Safety Protection	Self-diagnosis function, freezer overload protection, high pressure switch, overload relay, thermal protection device, liquid low level protection, high temperature protection and temperature fault protection			
Closed Circulation System	The whole system is full closed circulation, there is no oil mist at high temperature and no water vapor at low temperature, pressure do not rise up when system is running. The system will supplement oil automatically at low temperature.			
Refrigerant	R 404A or equivalent			
Refrigeration Technology	Rapid cooling down from high temperature			
End Connection Size	DN 32 PN 10			
Refrigeration Machine	Water-cooled			
Water-cooled type W (Cooling water at 20 °C)	12m ³ /H (1.5 bar ~ 4 bar) Important: Since this is a water cooled Unit, it requires 20 °C of clean & chlorine free cooling water for it's water cooled condenser.			
Dimension	1000 mm (W) * 1000 mm (D) * 1750 mm (H)			
Weight	1120 kg			
Power	AC 380V 50HZ 95 kW (max)			
Case Material	SUS 304			

*All specifications are subject to change without prior notice.