Technical Specifications

Temperature Range (Machine outlet Temp.)	- 25 ^{0}C to 200 ^{0}C	Model	SUNDI-2A25W-2TN

Temperature Control Mode		Feed-forward PID + Special dynamic control calculation, PLC controller
Temp. Difference (Δ T)		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 ^{0}C
Temperature Resolution		0.1 ^{0}C
Heating Power		25 kW
Cooling Capacity	**200 ^{0}C**	25 kW
	100 ^{0}C	25 kW
	20 ^{0}C	18 kW
	0 ^{0}C	13 kW
	- 20 ^{0}C	7.5 kW
Circulation Pump (Flow Max.)		110 Ltr/min
Pump Pressure		2.5 bar
Compressor		Copeland
Expansion Valve		Copeland
Oil Seperator		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 25 PN 10
Refrigeration Machine		**Water-cooled**
Water-cooled type W (Cooling water at 20 ^{0}C)		9m^3 /H (1.5 bar ~ 4 bar) **Important: Since this is a water cooled Unit, it requires 20 ^{0}C of clean & chlorine free cooling water for it's water cooled condenser.**
Dimension		800 mm (W) * 800 mm (D) * 1750 mm (H)
Weight		850 kg
Power		AC 380V 50HZ 65 kW (max)
Case Material		SUS 304

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Accessories	Insulated Stainless Steel Hose SUS 304

***All specifications are subject to change without prior notice.**

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