

Temperature Range Machine outlet temperature	- 45 °C to 250 °C	Model	SUNDI-4A60W
Temperature Control Mode	Feed-forward PID + Special dynamic control calculation, PLC controller		
Temperature Difference	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	60 kW		
Cooling Capacity	250 °C	60 kW	
	100 °C	60 kW	
	20 °C	60 kW	
	0 °C	60 kW	
	- 20 °C	34 kW	
	- 35 °C	11.5 kW	
Circulation Pump (Flow Max.)	250 Ltr/min		
Pump Pressure	2.5 bar		
Compressor	Copeland		
Expansion Valve	Emerson		
Oil Separator	Emerson		
Evaporator	KAORI Plate heat exchanger		
Filter Dryer	Danfoss		
Operation Panel	7-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	R404 A or equivalent		
Refrigeration Technology	Rapid cooling down from high temperature		
End Connection Size	DN40 PN10		
Refrigeration Machine	Water-cooled		
Water-cooled type W (Cooling water at 20 °C)	17000 L/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	2000 mm (W) * 1000 mm (D) * 1750 mm (H)
Weight	1300 kg
Power	AC 380V 50HZ 80 kW (max)
Case Material	SUS 304
Accessories	Insulated Stainless Steel Hose SUS 304

*All specifications are subject to change without prior notice.