

Model	SUNDI-1A25W	SUNDI-1A38W	SUNDI-1A60W	SUNDI-1A95W	SUNDI-1A130W	
Temperature range °C	-10°C ~ 200°C					
Control Mode	Feed forward PID + Our special dynamic control calculation, PLC controller					
Temp. control	Option: process temperature control or jacket oil temperature control					
Temp. difference	Set or control the temperature difference between jacket oil and raw material process					
Program Editor	20 programs, each program can edit 45 steps.					
Communication protocol	MODBUS RTU Protocol, RS 485 Interface					
Temperature feedback	Heat-conducting medium: PT100 (oil-out temperature / oil-in temperature / heater temperature) Three temperature measure point					
Material temp. feedback	Material temperature feedback PT100 or 4~20mA input (optional)					
Temp. accuracy	±1°C	±1°C	±1°C	±1°C	±1°C	
Heating power	25kW	38kW	60kW	95kW	130kW	
Cooling capacity	200°C	25kW	38kW	60kW	95kW	130kW
	20°C	25kW	38kW	60kW	95kW	130kW
	-5°C	15kW	22.8kW	36kW	57kW	78kW
Circulation pump flow and pressure	Max150L/min 2.5BAR	Max250L/min 2.5BAR	Max250L/min 2.5BAR	Max250L/min 2.5BAR	Max400L/min 2.5BAR	
Compressor	Emerson valley wheel	Emerson valley wheel	Emerson valley wheel	Emerson valley wheel	Emerson valley wheel	
Evaporator	Shell and coil type evaporator					
Expansion valve	Emerson					

Operation Panel	7-inch color touch screen controller, temperature curve record, data export to excel format.				
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				
Connection size	DN25 PN10	DN32 PN10	DN40 PN10	DN40 PN10	DN40 PN10
Water-cooled type W 30℃	8m ³ /h 1.5bar~4bar	10m ³ /h 1.5bar~4bar	15m ³ /h 1.5bar~4bar	20m ³ /h 1.5bar~4bar	28m ³ /h 1.5bar~4bar
Dimension	700*800*1350	1500*800*1600	1800*800*1650	2000*1000*1650	2300*1250*1750
Weight	640kg	900kg	1150kg	1400kg	1700kg
Power source	AC 380V 50HZ 32kW (max)	AC 380V 50HZ 48kW (max)	AC 380V 50HZ 75kW (max)	AC 380V 50HZ 125kW (max)	AC 380V 50HZ 155kW (max)
Case material	SUS 304	SUS 304	SUS 304	SUS 304	SUS 304
Optional	Optional Ethernet interface, configure PC operating software				
Optional	Optional outside touch screen display controller (separated), the communication line distance is 10 meter.				
Optional	Explosion proof type touch screen control system (ExdeIIBT4) , the communication line distance is 15 meter.				
Optional power source	440V~480V 60HZ three-phase				