

Model		SUNDI-125	SUNDI-135W	SUNDI-155W	SUNDI-170W	SUNDI-1A10W	SUNDI-1A15W
		SUNDI-125	SUNDI-135	SUNDI-155	SUNDI-170	SUNDI-1A10	SUNDI-1A15
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 Raw material process: PT100					
Temp. accuracy		±1°C	±1°C	±1°C	±1°C	±1°C	±1°C
Heating power		2.5kW	3.5kW	5.5kW	7kW	10kW	15kW
Cooling capacity	200°C	2.5kW	3.5kW	5.5kW	7kW	10kW	15kW
	20°C	2.5kW	3.5kW	5.5kW	7kW	10kW	15kW
	-5°C	1.5kW	2.1kW	3.3kW	4.2kW	6kW	9kW
Circulation pump		Max20L/min	Max35L/min	Max50L/min	Max50L/min	Max75L/min	Max75L/min
Pressure		2BAR	2BAR	2BAR	2BAR	2.5BAR	2.5BAR

Compressor		France	France	Emerson valley wheel	Emerson valley wheel	Emerson valley wheel	Emerson valley wheel
Expansion valve		\	\	\	Danfoss	Danfoss	Danfoss
Evaporator		High strength plate heat exchanger					
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		DN-15 or M24*1.5	DN20 or M30*1.5	DN20 or M30*1.5	DN20 or M30*1.5	DN20 or M30*1.5	DN-25 or M38*1.5
Water-cooled type W (cooling water at 20°C)			800L/H 1.5bar~4bar	1000L/H 1.5bar~4bar	1200L/H 1.5bar~4bar	1600L/H 1.5bar~4bar	2000L/H 1.5bar~4bar
Dimension	water cooling		500*680*1350	500*680*1350	500*680*1350	550*680*1350	550*680*1350
	air cooling	400*600*1050	500*680*1350	550*680*1450	550*680*1650	620*680*1550	750*750*1750
Weight	water		135kg	160kg	205kg	250kg	280kg

	cooling						
	air cooling	115kg	165kg	185kg	230kg	280kg	300kg
Source		AC220V 50HZ 3.6kW (max)	AC220V 50HZ 5.6kW (max)	AC380V 50HZ 7.5kW (max)	AC380V 50HZ 10kW (max)	AC380V 50HZ 13kW (max)	AC380V 50HZ 20kW (max)
Case material		SUS 304	SUS 304	SUS 304	SUS 304	SUS 304	SUS304
Optional	Optional Ethernet interface, configure PC operating software						
Optional	Optional outside touch screen display controller (separated), the communication line distance is 10 meter.						
Optional power	100V 50HZsingle-phase, 110V 60HZ single-phase, 230V 60HZ single-phase, 220V 60HZ three-phase, 440V~480V 60HZ three-phase						