

Model	LN-6W	LN-10W	LN-15W	LN-20W	LN-30W
Temperature Range	-60°C ~ -10°C				
Cooling capacity At -40°C	12Kw	20Kw	30Kw	40Kw	60Kw
	10320Kcal/h	17200Kcal/h	25800Kcal/h	34400Kcal/h	51600Kcal/h
Cooling capacity At -55°C	6Kw	10Kw	15Kw	20Kw	30Kw
	5160Kcal/h	8600Kcal/h	12900Kcal/h	17200Kcal/h	25800Kcal/h
Circulation Pump	6.6 m <sup>3</sup> /h 2.5 bar	9 m <sup>3</sup> /h 2.5 bar	15 m <sup>3</sup> /h 2.5 bar	15 m <sup>3</sup> /h 2.5 bar	25 m <sup>3</sup> /h 2.5 bar
Inlet & Outlet Connection Size	DN-25 PN-10	DN-25 PN-10	DN-32 PN-10	DN-32 PN-10	DN-40 PN-10
Water Cooled type W (cooling water at 30°C)	7 m <sup>3</sup> /h	10 m <sup>3</sup> /h	14 m <sup>3</sup> /h	18 m <sup>3</sup> /h	21 m <sup>3</sup> /h
Cold storage tank	200L	350L	500L	750L	1000L
Expansion tank	100L	175L	250L	350L	500L
Compressor	Standard: Copeland; Optional :BOCK piston compressor				
Operation Panel	7-inch color touch screen display, temperature curve record, data export to excel format				
Control System	Standard: Single –chip microcomputer controller; stepping control; set temp diff. Of refrigeration on & diff. Optional: SIEMENS S7-200PLC & Module				
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.				
Circulation pump	Standard: Direct type magnetic pump Optional: Increase the pipeline magnetic pump pressure in the pipeline				
Evaporator	Standard: Blaze welding plate heat exchanger (BPHE) Optional: Stainless steel tube heat exchanger				
Condenser	Shell and tube type water cooled condenser				
Intermediate heat exchanger	KAORI Plate heat exchanger				
Dry Filter	Emerson				
Drying Filter Core	Emerson				
Expansion tank	Emerson				
FDF	Emerson				
Oil separator	Emerson				
Pressure protector	Emerson				
Reservoir	Standard: RSP Optional: Emerson				
Sight glass	Standard: SANHUA Optional: Danfoss				
Refrigeration ball valve	Standard: SANHUA Optional: Danfoss				
Electric	Schneider AC contactor, Schneider immediate relay				

<b>Refrigerant</b>	R404A				
<b>Secondary refrigerant</b>	No corrosive liquid, ethanol water, ethylene glycol aqueous solution, heat transfer oil, etc				
<b>Safety protection</b>	High pressure protect, Water supply cut off protection, over- current protection, leakage protection, liquid low level protection, high temperature protection , Sensor failure protection etc				
<b>Level indicator</b>	Adopt glass liquid level indication				
<b>Piping material</b>	SUS304				
<b>Expansion tank material</b>	SUS304				
<b>Product Size (cm)</b>	180 (W) * 120 (D) * 175 (H)	205 (W) * 145 (D) * 205 (H)	205 (W) * 145 (D) * 205 (H)	205 (W) * 145 (D) * 205 (H)	245 (W) * 145 (D) * 205 (H)
<b>Weight</b>	850 kg	1000 kg	1200 kg	1450 kg	2000 kg
<b>Power</b> 380V 50HZ	10 Kw ~ 15 Kw	14 Kw ~ 20 Kw	21 Kw ~ 30 Kw	24.5 Kw ~ 35 Kw	36.5 Kw ~ 60 Kw
<b>dB</b>	Within 75dB		Within 80dB		
<b>Case Material</b>	Steel channel+ Square tube+ Cold roll blanking plate painting				

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