

Model	LN-40W	LN-60W	LN-90W	LN-120W	LN-180W
Temperature Range	-45°C ~ -10°C				
Cooling capacity At -40°C	80Kw	120Kw	180Kw	240Kw	360Kw
	68800Kcal/h	103200Kcal/h	154800Kcal/h	206400Kcal/h	309600Kcal/h
Cooling capacity At -55°C	40Kw	60Kw	90Kw	120Kw	180Kw
	34400Kcal/h	51600Kcal/h	77400Kcal/h	103200Kcal/h	154800Kcal/h
Circulation Pump	25 m ³ /h 2.5 bar	25 m ³ /h 2.5 bar	35 m ³ /h 2.5 bar	35 m ³ /h 2.5 bar	50 m ³ /h 2.5 bar
Inlet & Outlet Connection Size	DN-40 PN-10	DN-40 PN-10	DN-50 PN-10	DN-50 PN-10	DN-65 PN-10
Water Cooled type W (cooling water at 30°C)	25 m ³ /h	35 m ³ /h	50 m ³ /h	63 m ³ /h	84 m ³ /h
Cold storage tank	1200L	1500L	2200L	3000L	4000L
Expansion tank	600L	750L	1000L	1350L	1800L
Compressor	Standard: HANBELL screw compressor; Optional : Bitzer screw 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				

Refrigerant	R404A				
Secondary refrigerant	No corrosive liquid, ethanol water, ethylene glycol aqueous solution, heat transfer oil, etc				
Safety protection	High pressure protect, Water supply cut off protection, over- current protection, leakage protection, liquid low level protection, high temperature protection , Sensor failure protection etc				
Level indicator	Adopt glass liquid level indication				
Piping material	SUS304				
Expansion tank material	SUS304				
Product Size (cm)	245 (W) * 145 (D) * 205 (H)	350 (W) * 150 (D) * 235 (H)	350 (W) * 150 (D) * 235 (H)	400 (W) * 180 (D) * 235 (H)	450 (W) * 200 (D) * 235 (H)
Weight	2400 kg	3000 kg	3600 kg	4200 kg	5600 kg
Power 380V 50HZ	56kW ~ 80kW	85kW ~ 120kW	112kW ~ 160kW	168kW ~ 240kW	252kW ~ 360kW
dB	Within 90dB				
Case Material	Steel channel+ Square tube+ Cold roll blanking plate painting				

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