

		Highly Inverter Condensing Units						
Model		LBH02Z	LBH03Z	LBH04Z	LBH05Z	LBH06Z	LBH09Z	
Compressor Model		DTH254LDP	DTH307LDP	DTH356LDP	DTH420LDP	DTH550LDP	DTE752LKTQ	
Temperature(℃)		-40C ~ +5C						
Refrigerant		R404A						
Power Supply		220V/50Hz/1ph				380V/50Hz/3ph		
Frequency Range		50Hz						
Condenser Fan Moter	Dia (mm)	480 🌀	480 🌀	480 🌀🌀	480 🌀🌀	500 🌀🌀	500 🌀🌀	
	Rated Input	1×180	1×180	2×180	2×180	2×200	2×200	
	Air Volume	6000	6000	6000	6000	14400	14400	
	Type of Fan Motor	DC	DC	DC	DC	AC	AC	
Compressor Capacity	Evaporating Tempe -5℃	Cooling Capacity (w)	3211.95	3878.85	4503.95	5311.45	7556.6	9389.8
		Input(w)	1204	1445	1672	1990	2712	3951
	Evaporating Tempe -15℃	Cooling Capacity (w)	2147	2593.5	3010.55	3553	6225.3	7830.85
		Input (w)	1087	1305	1510	1797	2555	3814
	Evaporating Tempe -25℃	Cooling Capacity (w)	1381.3	1668.2	1937.05	2285.7	4058.2	6484.7
		Input (w)	962	1154	1336	1590	2363	3673
	Evaporating Tempe -40℃	Cooling Capacity (w)	646.95	780.9	907.25	1069.7	2956.6	4341.5
		Input (w)	764	916	1061	1262	2201	3377
Pipe	Suction Inlet(inch)	5/8	5/8	3/4	3/4	3/4	7/8	
	Liquid Dia (inch)	3/8	3/8	1/2	1/2	1/2	5/8	
Overall Dimension L*w*H (mm)		1277x510x667	1277x510x667	1277x510x667	1277x510x1196	1277x510x1196	1277x510x1196	

Remark: Condensing temperature 45℃

Model		LBH02Z	LBH03Z	LBH04Z	LBH05Z	LBH06Z	LBH09Z	
Compressor Model		DTH254LDP	DTH307LDP	DTH356LDP	DTH420LDP	DTH550LDP	DTE752LKTQ	
Temperature(℃)		-40C ~ +5C						
Refrigerant		R404A						
Power Supply		220V/50Hz/1ph				380V/50Hz/3ph		
Frequency Range		80Hz						
Condenser Fan Moter	Dia (mm)	480 	480 	480  	480  	500  	500  	
	Rated Input	1×180	1×180	2×180	2×180	2×200	2×200	
	Air Volume	6000	6000	6000	6000	14400	14400	
	Type of Fan motor	DC	DC	DC	DC	AC	AC	
Compressor Capacity	Evaporating Tempe -5℃	Cooling capacity (w)	5293.4	6394.45	7424.25	8759.95	13800.5	15612.3
		Input(w)	1998	2398	2776	3303	5623	7000
	Evaporating Tempe -15℃	Cooling capacity (w)	3537.8	4274.05	4962.8	5855.8	9288.3	13019.75
		Input (w)	1805	2167	2507	2983	4335	6758
	Evaporating Tempe -25℃	Cooling capacity (w)	2276.2	2750.25	3192.95	3767.7	6732.2	10782.5
		Input (w)	1597	1917	2218	2640	3105	6507
	Evaporating Tempe -40℃	Cooling capacity (w)	1065.9	1287.25	1494.35	1763.2	5856.6	7219.05
		Input (w)	1267	1521	1760	2094	3830	5982
Pipe	Suction inlet(inch)	5/8	5/8	3/4	3/4	3/4	7/8	
	Liquid Dia (inch)	3/8	3/8	1/2	1/2	1/2	5/8	
Overall Dimension L*w*H (mm)		1277x510x667	1277x510x667	1277x510x667	1277x510x1196	1277x510x1196	1277x510x1196	

Remark: Condensing temperature 45℃



Supcool Refrigeration Equipment Factory
www.supcool.com



Highly® DH&BH Rotary Compressor Unit



Product Description:

- Adopt double - rotor process, vibration noise is very quiet;
- With spray device technology, suitable for the special conditions of high pressure ratio of refrigeration. The evaporation temperature can be -40℃, effectively replacing the current high and medium temperature models of scroll compressor;
- Equipped with a large capacity gas-liquid separator, effectively reduce the risk of liquid attack;
- The unit adopts copper tube heat exchanger with internal thread, which has high heat transfer efficiency;
- Dia 5mm inner groove copper tube and corrugated fin.



Nomenclature:

L **D** **H** **1.5** **Z**

- 1** Temperature **L**: -30℃~+5℃
- 2** Constant Frequency Compressor
B: Invert compressor
- 3** Highly Rotary Compressor
- 4** HP
- 5** Refrigerant
Z: for R404A/R410A/R448A/R449A

Constant Frequency Unit

Model	LDH01Z	LDH02Z	LDH03Z	LDH04Z	LDH05Z	LDH06Z
Room Temperature (℃)	WHP05180DCV	DDH307LV	WHP09800DCV	DTH590LC3	DTE752LC3	WHP19460DCC3
Refrigerant	220V/1PH/50HZ	220V/1PH/50HZ	220V/1PH/50HZ	380V/3PH/50HZ	380V/3PH/50HZ	380V/3PH/50HZ
Power Supply	-30℃~+5℃					
Compressor	R404A / R410A / R448A / R449A					
Condenser	Heat Exchange Area	20m ²	20m ²	30m ²	40m ²	50m ²
	Fan Qty *Dia (mm)	Ø 350	Ø 350	Ø 400	Ø 450	Ø 400
	Input (W)	1×94W	1×94W	1×120W	1×160W	2×120W
	Air Flow (m ³ /h)	2410	2410	3290	4500	6580
	Fan Voltage	220V/1PH/50Hz 6 Pole				
Compressor Capacity	Evaporating Tempe -5℃	Cooling Capacity (W)	2923	3703	6276	7609
		Input (KW)	1.48	1.62	2.64	3.73
	Evaporating Tempe -10℃	Cooling Capacity (W)	2425	3072	5206	6270
		Input (KW)	1.43	1.56	2.54	3.61
	Evaporating Tempe -15℃	Cooling Capacity (W)	1990	2522	4272	5111
		Input (KW)	1.37	1.5	2.44	3.49
	Evaporating Tempe -25℃	Cooling Capacity (W)	1291	1635	2771	3292
		Input (KW)	1.26	1.38	2.24	3.24
	Evaporating Tempe -35℃	Cooling Capacity (W)	787	997	1400	2070
		Input (KW)	1.16	1.27	2.1	3.01
	Evaporating Tempe -40℃	Cooling Capacity (W)	596	755	1280	1655
		Input (KW)	1.12	1.22	1.99	2.91
Pipe	Suction Inlet (mm)	5/8"	5/8"	5/8"	5/8"	3/4"
	Liquid Dia (mm)	3/8"	3/8"	3/8"	3/8"	1/2"
Overall Dimension LxWxH (mm)	825×360×660	825×360×660	975×360×810	1300×560×990	975×360×1310	1175×360×1260

Test condition: Subcooling temp. 8.3K Return gas superheat temp. 25K Condensing Temp. +50℃