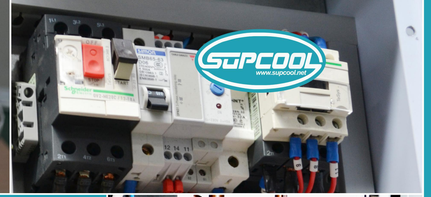
Highly®

DH&BH Rotary Compressor Unit







Nomenclature:

LDH1.5Z

L : **Temperature** M: -15℃ ~10℃ / L: -30℃ ~-15℃

D : **Canstant Frequeng Compressor** B: Invert compressor

H : **Highly Rotary Compressor**

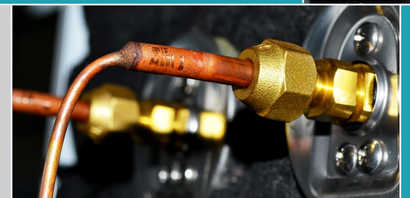
1.5 : **HP**

Z : **Refrigerant** Z: for R404A/R410A/R448A/R449A

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 ° c, 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.





Castant Frequency Unit

Model		LDH1.5Z	LDH02Z	LDH03Z	LDH3.5Z	LDH04Z	LDH05Z	LDH65Z
Compressor Model		WHP05180DCV	DDH307LV	WHP09800DCV	DTH488LC3	DTH590LC3	DTE752LC3	WHP19460DCC3
Power Supply		220V/1PH/50HZ	220V/1PH/50HZ	220V/1PH/50HZ	380V/3PH/50HZ	380V/3PH/50HZ	380V/3PH/50HZ	380V/3PH/50HZ
Cold Room Temperature (℃)		-30℃~ +5℃						
Refrigerant		R404A / R410A / R448A / R449A						
Condenser	Heat Exchange Area	20 ㎡	20 ㎡	30 ㎡	40 ㎡	40 ㎡	50 ㎡	60 ㎡
	Fan Qty *Dia (mm)	1×￠ 350	1×￠ 350	1×￠ 400	1×￠ 450	1×￠ 450	2×￠ 400	2×￠ 450
	Input (W)	1×94W	1×94W	1×120W	1×160W	1×160W	2×120W	2×160W
	Air Flow (m^3/h)	2410	2410	3290	4500	4500	6580	9000
	Fan Voltage	220V/1PH/50Hz 6 Pole						
Compressor Capacity	Evaporating Tempe -5℃ Cooling Capacity (W)	2923	3703	6276	6077	7609	9699	11789
	Evaporating Tempe -5℃ Input (KW)	1.48	1.62	2.64	2.67	3.73	4.77	5.75
	Evaporating Tempe -10℃ Cooling Capacity (W)	2425	3072	5206	5041	6270	7991	9713
	Evaporating Tempe -10℃ Input (KW)	1.43	1.56	2.54	2.58	3.61	4.62	5.57
	Evaporating Tempe -15℃ Cooling Capacity (W)	1990	2522	4272	4137	5111	6514	7918
	Evaporating Tempe -15℃ Input (KW)	1.37	1.5	2.44	2.48	3.49	4.46	5.39
	Evaporating Tempe -25℃ Cooling Capacity (W)	1291	1635	2771	2683	3292	4196	5101
	Evaporating Tempe -25℃ Input (KW)	1.26	1.38	2.24	2.27	3.24	4.15	5.01
	Evaporating Tempe -35℃ Cooling Capacity (W)	787	997	1400	1636	2070	2638	3206
	Evaporating Tempe -35℃ Input (KW)	1.16	1.27	2.1	2.09	3.01	3.85	4.65
	Evaporating Tempe -40℃ Cooling Capacity (W)	596	755	1280	1240	1655	2110	2565
	Evaporating Tempe -40℃ Input (KW)	1.12	1.22	1.99	1.65	2.91	3.72	4.49
Pipe	Suction Inlet (mm)	5/8 "	5/8 "	5/8 "	5/8 "	5/8 "	3/4 "	3/4 "
	Liquid Dia (mm)	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	1/2 "	1/2 "
Overall Dimension L×W×H (mm)		825×360×660	825×360×660	975×360×810	1300×560×690	1300×560×990	975×360×1310	1175×360×1260

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

DC Inverter Compressor Unit

Model		MBH03Z	MBH04Z	MBH05Z	MBH06Z	MBH07Z	MBH08Z	MBH10Z	MBH12Z
Max Cooling Capacity	Evap -7℃ (KW)	5.89	7.23	8.37	10.27	11.99	16.6	17.7	24
	Frequency (Hz)	70	85	70	85	85	85	85	85
Pipe	Suction Inlet (mm)	5/8 "	5/8 "	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	Liquid Dia (mm)	3/8 "	3/8 "	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"
Frequency Range (Hz)		15-70	15-85	15-70	15-85	15-85	30-85	30-85	30-85
Evaporating Temp Range (℃)		-15℃ ~ +10℃							
Power supply (V)		220	220	220	220	220	380	380	380
Overall Dimension L×W×H (mm)		1115x473x868	1115x473x868	1115x473x1409	1115x473x1409	1115x473x1409	1115x473x1574	1115x473x1574	1115x473x1574

Model		LBH03Z	LBH04Z	LBH05Z	LBH06Z	LBH07Z	LBH08Z	LBH10Z	LBH12Z
Max Cooling Capacity	Evap -23℃ (KW)	3.03	3.71	4.3	5.27	6.16	9.1	9.7	13
	Frequency (Hz)	70	85	70	85	85	85	85	85
Pipe	Suction Inlet (mm)	5/8 "	5/8 "	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	Liquid Dia (mm)	3/8 "	3/8 "	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"
Frequency Range (Hz)		15-70	15-85	15-70	15-85	15-85	30-85	30-85	30-85
Evaporating Temp Range (℃)		-30℃ ~-15℃							
Power supply (V)		220	220	220	220	220	380	380	380
Overall Dimension L×W×H (mm)		1115x473x868	1115x473x868	1115x473x1409	1115x473x1409	1115x473x1409	1115x473x1574	1115x473x1574	1115x473x1574