

## Piston air-cooled condensing compressor unit

1. Model range: 2HP ~ 40HP(low temperature) ; 2HP ~ 50HP(high temperature)

2. Refrigeration capacity: 1.8KW ~ 36KW(low temperature) ; 1.8KW ~ 78.1KW  
(high temperature)

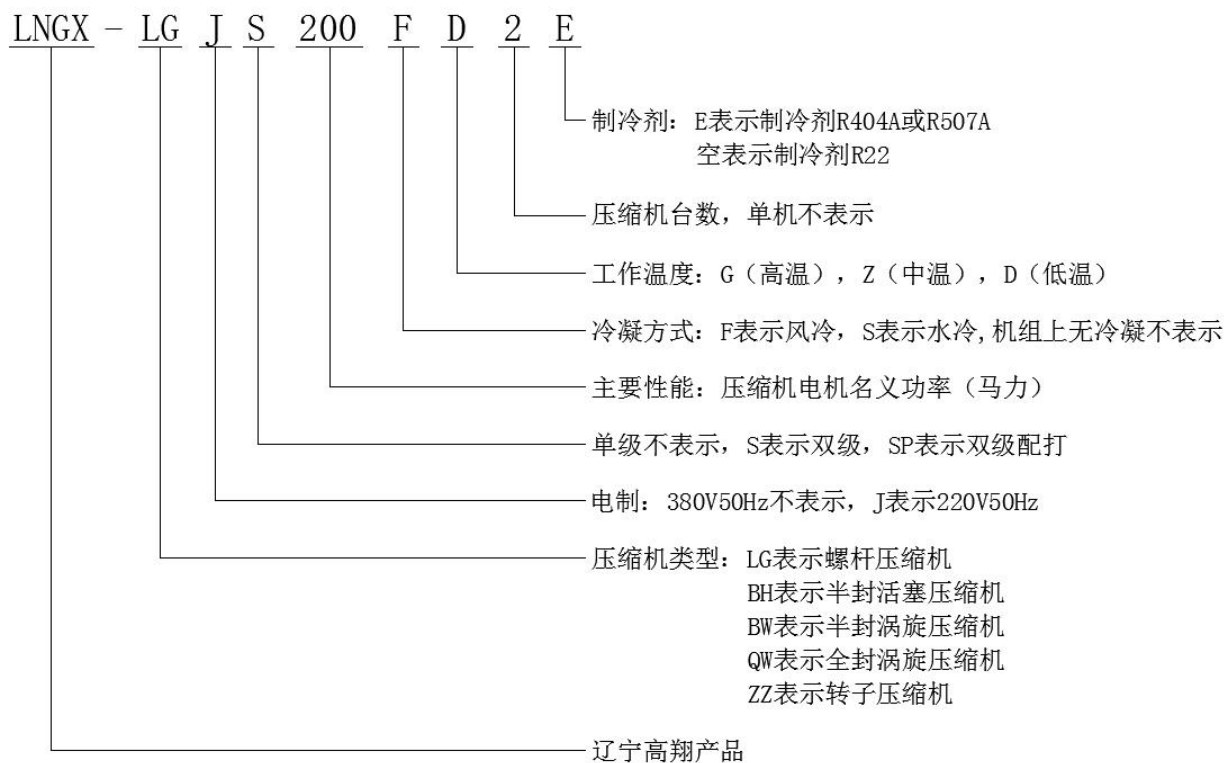
### 3.Unit features

According to the needs of market development, the units are divided into semi-closed air-cooled units and semi-closed box-type condensing units, which can meet different needs of  $12.5\text{ }^{\circ}\text{C} \sim -40\text{ }^{\circ}\text{C}$  and are widely used in medical equipment, food, biopharmaceutical, chemical and other industries.

We use international brand refrigeration compressor units with good quality, low noise and high efficiency.

Using copper tube aluminum plate condenser, it has high heat exchange efficiency and long service life.

## Model Description:



## Technical Parameters:

### High Temperature Piston air-cooled condensing compressor unit

High Temperature Piston air-cooled condensing compressor unit			LNGX-BH02FG	LNGX-BH03FG	LNGX-BH05FG	LNGX-BH08FG	LNGX-BH10FG	LNGX-BH15FGE
Unit Type			E	E	E	E	E	
Applicable evaporation temperature			10°C ~ -10°C					
refrigerant			R404A					
power supply			380V50HZ					
condenser	Number of fans		2	2	2	2	2	2
	Air volume(m <sup>3</sup> /h)		4800	6000	6000	9000	13140	17440
	Fan power (W)		250	240	240	360	900	1200
Unit cooling capacity	Evaporation temperature	Refrigeration capacity	3.55	6.81	9.1	13.83	17.23	23.7
	-10°C	Electric power	1.81	3.05	4.09	6.16	7.32	10.17
interface	Discharge pipe interface		∅ 9.52	∅ 9.52	∅ 12.7	∅ 12.7	∅ 15.88	∅ 15.88
	Suction pipe interface		∅ 15.88	∅ 22	∅ 22	∅ 28	∅ 28	∅ 42
Dimensions	long(mm)		910	960	960	1250	1370	1440
	Width(mm)		730	700	800	800	850	850
	high(mm)		535	585	685	785	935	985
Installation dimensions	long(mm)		880	930	930	1220	1340	1410
	Width(mm)		500	500	500	450	550	550

## High Temperature Piston air-cooled condensing compressor unit

Unit Type		LNGX-BH20FGE	LNGX-BH25FG E	LNGX-BH30FG E	LNGX-BH40FG E	LNGX-BH50FGE	
适用蒸发温度		10°C ~ -10°C					
制冷剂		R404A					
电源		380V50HZ					
冷 凝 器	风机数量	2	4	4	2	3	
	风量(m <sup>3</sup> /h)	21640	26280	34880	38000	45000	
	风机功率 (W)	1560	1800	2400	2200	3300	
机组 冷量	蒸发温度 -10°C	制冷量	28.6	38.1	43.8	63.8	78
		电功率	12.2	16.19	18.71	28	34.6
接口	出液管接口	φ 22	φ 22	φ 22	φ 22	φ 28	
	吸气管接口	φ 42	φ 54	φ 54	φ 54	φ 54	
外形 尺寸	长(mm)	1240	1550	1760	1400	1320	
	宽(mm)	900	950	950	600	600	
	高(mm)	1295	1385	1385	900	870	
Install ation dimen sions	长(mm)	1210	1520	1730	1370	1290	
	宽(mm)	600	650	650	300	300	

## Low Temperature Piston air-cooled condensing compressor unit

### Low Temperature Piston air-cooled condensing compressor unit

Unit Type		LNGX-BH02FDE	LNGX-BH03FDE	LNGX-BH05FDE	LNGX-BH08FDE	LNGX-BH10FDE	LNGX-BH12FDE	
Applicable evaporation temperature		-10°C ~ -25°C						
refrigerant		R404A						
power supply		380V50HZ						
condenser	Number of fans	2	2	2	2	2	2	
	Air volume(m <sup>3</sup> /h)	3000	6000	6000	9000	13140	13140	
	Fan power (W)	120	240	240	360	900	900	
Unit cooling capacity	Evaporation temperature	Refrigeration capacity	1.77	4.33	7.03	10.28	11.32	13.95
	-25°C	Electric power	1.32	2.76	4.55	6.35	6.88	8.58
interface	Discharge pipe interface	φ 9.52	φ 9.52	φ 12.7	φ 15.88	φ 15.88	φ 15.88	
	Suction pipe interface	φ 15.88	φ 22	φ 28	φ 35	φ 35	φ 35	
Dimensions	long(mm)	830	910	960	1250	1315	1370	
	Width(mm)	750	700	800	850	850	850	
	high(mm)	485	535	685	785	885	935	
Installation dimensions	long(mm)	800	880	930	1220	1285	1340	
	Width(mm)	450	400	500	550	550	550	

## Low Temperature Piston air-cooled condensing compressor unit

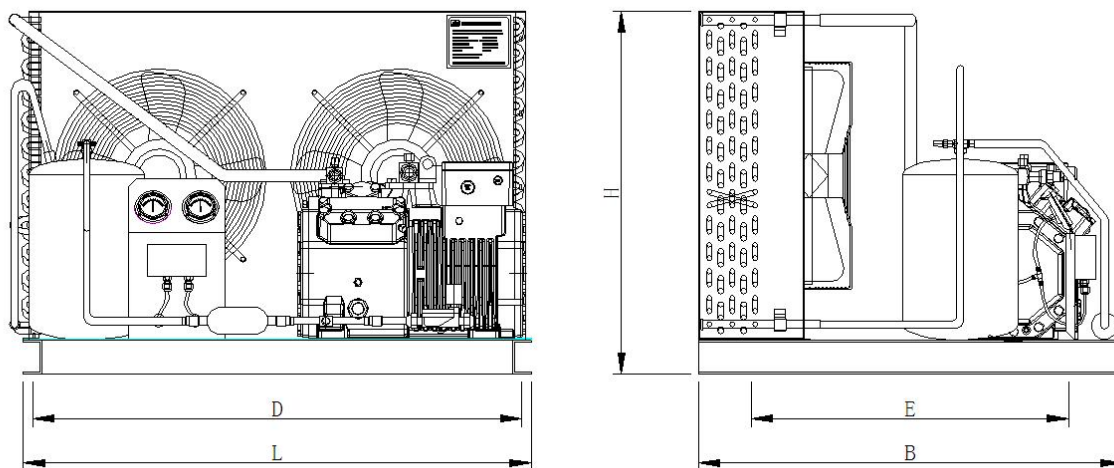
Unit Type		LNGX-BH15FDE	LNGX-BH20FDE	LNGX-BH25FDE	LNGX-BH30FDE	LNGX-BH40FDE	
Applicable evaporation temperature		-10℃ ~ -25℃					
refrigerant		R404A					
power supply		380V50HZ					
condenser	Number of fans	2	2	2	2	3	
	Air volume(m <sup>3</sup> /h)	17440	21640	34880	26280	34880	
	Fan power (W)	1200	1560	2400	1800	2400	
Unit cooling capacity	Evaporation temperature -25℃	Refrigeration capacity	19.88	23.4	29.3	35.4	42.1
		Electric power	12	14.27	17.69	21.8	26.2
interface	Discharge pipe interface	φ 15.88	φ 22	φ 22	φ 22	φ 22	
	Suction pipe interface	φ 42	φ 54	φ 54	φ 54	φ 54	
Dimensions	long(mm)	1440	1240	1490	1550	1760	
	Width(mm)	900	920	1000	1000	1000	
	high(mm)	985	1295	1295	1385	1385	
Installation dimensions	long(mm)	1410	1210	1460	1520	1730	
	Width(mm)	600	620	700	700	700	

## Low temperature semi-hermetic two-stage piston air-cooled condensing compressor unit

### Low temperature semi-hermetic two-stage piston air-cooled condensing compressor unit

Unit Type		LNGX-BHS05FDE	LNGX-BHS08FD E	LNGX-BHS12FD E	LNGX-BHS16F DE	LNGX-BHS20F DE	LNGX-BHS25F DE	LNGX-BHS30F DE	
Applicable evaporation temperature		-30°C ~ -40°C							
refrigerant		R404A							
power supply		380V50HZ							
condenser	Number of fans	2	2	2	2	4	4	2	
	Air volume(m <sup>3</sup> /h)	9000	13140	17440	21640	26280	26280	38000	
	Fan power (W)	360	900	1200	1560	1800	1800	2200	
Unit cooling capacity	Evaporation temperature -35°C	Refrigeration capacity	5.97	8.48	13.36	18.9	21.8	24.9	29.5
		Electric power	4.59	6.56	9.9	13.96	16.17	18.56	22.2
interface	Discharge pipe interface	φ 12.7	φ 15.88	φ 15.88	φ 15.88	φ 22	φ 22	φ 22	
	Suction pipe interface	φ 28	φ 28	φ 35	φ 42	φ 42	φ 42	φ 42	
Dimensions	long(mm)	1250	1370	1445	1240	1490	1760	1330	
	Width(mm)	750	850	850	950	950	1000	750	
	high(mm)	785	935	1085	1295	1295	1385	1000	
Installation dimensions	long(mm)	1220	1340	1415	1210	1460	1730	1300	
	Width(mm)	450	550	550	650	650	700	450	

半封闭活塞式风冷冷凝压缩机组尺寸图示:



半封闭双级活塞式风冷冷凝压缩机组尺寸图示:

