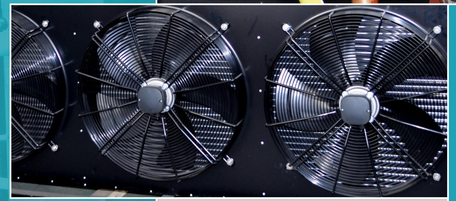
Bitzer®
BBLG Series Screw Compressor Racks







Nomenclature:

BLGF3-225JY

B : **Compressor Brand** B: Bitzer

LG : **Compressor Type**
LG: Semi-hermetic screw compressor

F : **Condensing Type** F: Air cooled

3 : **Qty of Compressor** None for 1pc

225 : **Nominal Cooling Capacity (HP)**

J : **Temperature** J: -25°C ~ -40°C

Y : **Refrigerant** Y: R404A / R448A / R449A

Product Description:

- ★ Widely used for huge refrigeration projects. Cooling temperature range @ -25°C ~ -40°C ;
- ★ Bitzer semi-hermetic screw compressor;
- ★ Danfoss, Emerson and other top quality components applied;
- ★ With all kinds of the protection devices: Wrong direction, Over heating, High discharging temperature, Low oil position, Oil leakage, High & low pressure and etc;
- ★ Economizer was equipped to enhance the cooling capacity at low evaporating temperature;
- ★ The multi-level energy adjusting device makes it possible to apply for different cooling capacity consumption.

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Single Compressor Units (Air Cooled)

Model			BLGF-50JY	BLGF-60JY	BLGF-70JY	BLGF-75JY	BLGF-125JY	BLGF-160JY
Room Temperature (°C)			-25°C ~ -40°C					
Refrigerant			R404A / R448A / R449A					
Power Supply			380V/50Hz/3phase					
Compressor	Type		Semi-hermetic Screw Compressor					
	Model		HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160
	Quantity		1	1	1	1	1	1
Oil Cooler	Type		Copper Tube and Aluminium fin					
	Fan Voltage (V)		380	380	380	380	380	380
	Fan Capacity (W)		250	250	250	250	250×2	800×2
Capacity & Input	Eavp -35°C	Capacity (KW)	44.5	52.7	60.7	64.1	103.6	128.8
		Input (KW)	43.4	54.7	57.6	61.5	96.2	128.4
	Eavp -40°C	Capacity (KW)	35.6	41.7	48.4	51.5	82.8	102.5
		Input (KW)	41.5	53.4	55.6	59.1	92.2	122.7
	Eavp -45°C	Capacity (KW)	27.9	32.2	37.8	40.5	64.6	79.4
		Input (KW)	39.8	51.9	53.4	56.8	88.2	116.2
Pipe	Suction Pipe (mm)		ϕ54	ϕ76	ϕ76	ϕ76	ϕ108	ϕ108
	Liquid Pipe (mm)		ϕ28	ϕ28	ϕ28	ϕ28	ϕ35	ϕ35
	Discharge Pipe (mm)		ϕ42	ϕ54	ϕ54	ϕ54	Φ76	Φ76
	Liquid in Pipe (mm)		ϕ28	ϕ35	ϕ35	ϕ35	ϕ42	ϕ42
Overall Dimension	L (mm)		1750	1750	1750	1750	2150	2150
	W (mm)		1250	1250	1250	1250	1400	1400
	H (mm)		1640	1640	1640	1640	1870	1870

Remarks: Condensing temperature at 45°C .

2-Compressors Rack Unit (Air Cooled)

Model			BLGF2-100JY	BLGF2-120JY	BLGF2-140JY	BLGF2-150JY	BLGF2-250JY	BLGF2-320JY
Room Temperature (°C)			-25°C ~ -40°C					
Refrigerant			R404A / R448A / R449A					
Power Supply			380V/50Hz/3phase					
Compressor	Type		Semi-hermetic Screw Compressor					
	Model		HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160
	Quantity		2	2	2	2	2	2
Oil Cooler	Type		Copper Tube and Aluminium fin					
	Fan Voltage (V)		380	380	380	380	380	380
	Fan Capacity (W)		250×2	250×2	250×2	800×2	800×2	800×4
Capacity & Input	Eavp -35°C	Capacity (KW)	89.0	105.4	121.4	128.2	207.2	257.6
		Input (KW)	86.8	109.4	115.2	123.0	192.4	256.8
	Eavp -40°C	Capacity (KW)	71.2	83.4	96.8	103.0	165.6	205.0
		Input (KW)	83.0	106.8	111.2	118.2	184.4	245.0
	Eavp -45°C	Capacity (KW)	55.8	64.4	75.6	81.0	129.2	158.8
		Input (KW)	79.6	103.8	106.8	113.6	176.4	232.4
Pipe	Suction Pipe (mm)		ϕ108	ϕ108	ϕ108	ϕ108	ϕ159	ϕ159
	Liquid Pipe (mm)		ϕ35	ϕ42	ϕ42	ϕ42	ϕ54	ϕ54
	Discharge Pipe (mm)		ϕ76	ϕ76	ϕ76	ϕ76	ϕ108	ϕ108
	Liquid in Pipe (mm)		ϕ42	ϕ54	ϕ54	ϕ54	Φ54	Φ54
Overall Dimension	L (mm)		2650	2650	2650	2650	3450	3450
	W (mm)		1880	1880	1880	1880	2020	2020
	H (mm)		2100	2100	2100	2100	2300	2300

Remarks: Condensing temperature at 45°C .

3-Compressors Rack Unit (Air Cooled)

Model			BLGF3-150JY	BLGF3-180JY	BLGF3-210JY	BLGF3-225JY	BLGF3-375JY
Room Temperature (℃)					-25℃ ~ -40℃		
Refrigerant					R404A / R448A / R449A		
Power Supply					380V/50Hz		
Compressor		Type			Semi-hermetic Screw Compressor		
		Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125
		Quantity	3	3	3	3	3
Oil Cooler		Type			Copper Tube and Alu. fin		
		Fan Voltage (V)	380	380	380	380	380
		Fan Capacity (W)	800×2	800×2	800×2	800×2	800×3
Capacity & Input	Eavp -35℃	Capacity (KW)	133.5	158.1	182.1	192.3	314.7
		Input (KW)	130.2	164.1	172.8	184.5	288.6
	Eavp -40℃	Capacity (KW)	106.8	125.1	145.2	154.5	251.1
		Input (KW)	124.5	160.2	166.8	177.3	276.6
	Eavp -45℃	Capacity (KW)	83.7	96.6	113.4	121.5	195.6
		Input (KW)	119.4	155.7	160.2	170.4	264.6
Pipe		Suction Pipe (mm)	2×φ89	2×φ89	2×φ108	2×φ108	2×φ133
		Liquid Pipe (mm)	φ42	φ42	φ42	φ54	φ54
		Discharge Pipe (mm)	φ76	φ76	φ76	φ108	φ108
		Liquid in Pipe (mm)	φ54	φ54	φ54	φ54	φ54
Overall Dimension		L (mm)	3450	3450	3450	3450	4250
		W (mm)	1900	1900	1900	1900	2020
		H (mm)	2100	2100	2100	2100	2300

Remarks: Condensing temperature at 45℃ .

4-Compressors Rack Unit (Air Cooled)

Model			BLGF4-200JY	BLGF4-240JY	BLGF4-280JY	BLGF4-300JY
Room Temperature (℃)				-25℃ ~ -40℃		
Refrigerant				R404A / R448A / R449A		
Power Supply				380V/50Hz		
Compressor		Type		Semi-hermetic Screw Compressor		
		Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75
		Quantity	4	4	4	4
Oil Cooler		Type		Copper Tube and Aluminium fin		
		Fan Voltage (V)	380	380	380	380
		Fan Capacity (W)	800×2	250×4	250×4	250×4
Capacity & Input	Eavp -35℃	Capacity (KW)	178.0	210.8	242.8	256.4
		Input (KW)	173.6	218.8	230.4	246.0
	Eavp -40℃	Capacity (KW)	142.4	166.8	193.6	206.0
		Input (KW)	166.0	213.6	222.4	236.4
	Eavp -45℃	Capacity (KW)	111.6	128.8	151.2	162.0
		Input (KW)	159.2	207.6	213.6	227.2
Pipe		Suction Pipe (mm)	3×φ89	3×φ89	3×φ108	3×φ108
		Liquid Pipe (mm)	φ42	φ54	φ54	φ54
		Discharge Pipe (mm)	φ76	φ108	φ108	φ108
		Liquid in Pipe (mm)	φ54	φ54	φ54	φ54
Overall Dimension		L (mm)	4250	4250	4250	4250
		W (mm)	1900	1900	1900	1900
		H (mm)	2100	2100	2100	2100

Remarks: Condensing temperature at 45℃ .





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