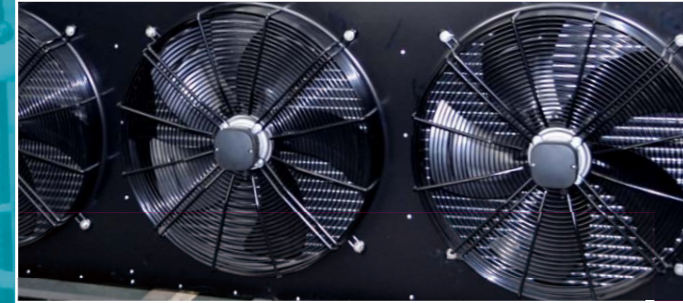


# Bitzer®

## 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	Semi-hermetic Screw Compressor							
	Type Model Quantity	HSN6461-50 1	HSN7451-60 1	HSN7461-70 1	HSN7471-75 1	HSN8571-125 1	HSN8591-160 1	
Oil Cooler	Copper Tube and Aluminium fin							
	Type Fan Voltage (V) Fan Capacity (W)	380 250	380 250	380 250	380 250	380 250×2	380 800×2	
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	Semi-hermetic Screw Compressor							
	Type Model Quantity	HSN6461-50 2	HSN7451-60 2	HSN7461-70 2	HSN7471-75 2	HSN8571-125 2	HSN8591-160 2	
Oil Cooler	Copper Tube and Aluminium fin							
	Type Fan Voltage (V) Fan Capacity (W)	380 250×2	380 250×2	380 250×2	380 800×2	380 800×2	380 800×4	
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 (°C)	-25°C ~ -40°C					
Refrigerant	R404A / R448A / R449A					
Power Supply	380V/50Hz					
Compressor	Semi-hermetic Screw Compressor					
	Type					
	Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	
	Quantity	3	3	3	3	
Oil Cooler	Copper Tube and Alu. fin					
	Type					
	Fan Voltage (V)	380	380	380	380	
	Fan Capacity (W)	800×2	800×2	800×2	800×3	
Capacity & Input	Eavp -35°C	Capacity (KW)	133.5	158.1	182.1	192.3
		Input (KW)	130.2	164.1	172.8	184.5
	Eavp -40°C	Capacity (KW)	106.8	125.1	145.2	154.5
		Input (KW)	124.5	160.2	166.8	177.3
	Eavp -45°C	Capacity (KW)	83.7	96.6	113.4	121.5
		Input (KW)	119.4	155.7	160.2	170.4
Pipe	Suction Pipe (mm)	2×φ89	2×φ89	2×φ108	2×φ108	
	Liquid Pipe (mm)	φ42	φ42	φ42	φ54	
	Discharge Pipe (mm)	φ76	φ76	φ76	φ108	
	Liquid in Pipe (mm)	φ54	φ54	φ54	φ54	
Overall Dimension	L (mm)	3450	3450	3450	4250	
	W (mm)	1900	1900	1900	2020	
	H (mm)	2100	2100	2100	2300	

Remarks: Condensing temperature at 45°C.

### 4-Compressors Rack Unit (Air Cooled)

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

Remarks: Condensing temperature at 45°C.



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