

			4 Compressors Rack For Middle & High Temperature							
Model			BBF4-36MY	BBF4-48MY	BBF4-56MY	BBF4-72MY	BBF4-92MY	BBF4-112MY	BBF4-136MY	BBF4-176MY
Temperature (°C)			-5°C ~ +5°C							
Refrigerant			R404A / R448A / R449A							
Power Supply			380V/50Hz							
Compressor		Type	Simi-hermetic							
		Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y	6FE-44Y
		Quantity	4	4	4	4	4	4	4	4
Capacity & Inpu	Evap -5°C	Capacity (KW)	96800	113200	134800	180800	208800	259600	308000	369600
		Input (KW)	40.7	45.2	54.5	73.6	88.0	108.0	130.8	155.6
	Evap -10°C	Capacity (KW)	76400	87200	104200	141400	164000	194400	243200	291600
		Input (KW)	37.1	41.1	49.9	67.6	80.4	99.6	120.4	144.0
	Evap -15°C	Capacity (KW)	59360	67520	81600	110400	130400	154800	199200	230400
		Input (KW)	33.3	36.7	44.9	61.2	72.8	90.4	109.6	131.6
Pipe	Suction Pipe (mm)		φ54	φ67	φ76	φ76	φ108	φ108	φ108	φ133
	Liquid Pipe (mm)		φ28	φ28	φ35	φ35	φ42	φ42	φ42	φ42
	Discharge Pipe (mm)		φ42	φ54	φ54	φ54	φ67	φ67	φ67	φ79
	Liquid in Pipe (mm)		φ35	φ35	φ42	φ42	φ54	φ54	φ54	φ54
Overall Dimension	L (mm)		3300	3300	3300	3500	3800	3800	3800	3800
	W (mm)		1120	1120	1120	1120	1120	1120	1120	1120
	H (mm)		1700	1700	1700	1850	1850	1850	1850	1850

Remarks: 1. All the above data calculated base on the condensing temperature 45°C.

			2 Compressors Rack For Middle & Low Temperature						
Model			BBF2-18LY	BBF2-28LY	BBF2-36LY	BBF2-46LY	BBF2-56LY	BBF2-68LY	BBF2-88LY
Temperature (°C)			-15℃ ~ -30℃						
Refrigerant			R404A / R448A / R449A						
Power Supply			380V/50Hz						
Compressor	Type		Simi-hermetic						
	Model		4TES-9Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y	6FE-44Y
	Quantity		2	2	2	2	2	2	2
Capacity & Inpu	Evap -25℃	Capacity (KW)	17240	23400	33380	39340	47200	59400	70600
		Input (KW)	12.7	17.2	24.0	28.5	35.38	43.6	52.4
	Evap -30℃	Capacity (KW)	12600	17100	24900	29640	35580	45200	53200
		Input (KW)	10.8	14.5	20.7	24.7	30.4	37.9	45.4
	Evap -35℃	Capacity (KW)	8920	12060	18000	21740	25920	33360	38920
		Input (KW)	8.9	11.9	17.5	20.9	25.5	32.4	38.7
	Evap -40℃	Capacity (KW)	6000	8120	12440	15380	18140	23820	27220
		Input (KW)	7.2	9.4	14.5	17.4	20.8	27.1	32.1
Pipe	Suction Pipe (mm)		φ54	φ54	φ54	φ67	φ67	φ76	φ76
	Liquid Pipe (mm)		φ22	φ22	φ22	φ22	φ28	φ28	φ28
	Discharge Pipe (mm)		φ35	φ35	φ35	φ42	φ42	φ54	φ54
	Liquid in Pipe (mm)		φ28	φ28	φ28	φ28	φ35	φ35	φ35
Overall Dimension	L (mm)		2100	2100	2100	2200	2400	2400	2400
	W (mm)		1120	1120	1120	1120	1120	1120	1120
	H (mm)		1700	1700	1700	1700	1700	1700	1700

Remarks: 1. All the above data calculated base on the condensing temperature 45°C.

			3 Compressors Rack For Middle & Low Temperature													
Model			BBF3-27LY		BBF3-42LY		BBF3-54LY		BBF3-69LY		BBF3-84LY		BBF3-102LY		BBF3-132LY	
Temperature (°C)			-15℃ ~ -30℃													
Refrigerant			R448A/R449A													
Power Supply			380V/50Hz													
Compressor		Type	Simi-hermetic													
		Model	4TES-9Y		4NES-14Y		4HE-18Y		4GE-23Y		4FE-28Y		6GE-34Y		6FE-44Y	
		Quantity	3		3		3		3		3		3		3	
Capacity & Inpu	Evap -25℃	Capacity (KW)	25860		35100		50070		59000		70800		89100		105900	
		Input (KW)	19.1		25.7		36.0		42.8		53.07		65.4		78.6	
	Evap -30℃	Capacity (KW)	18930		25650		37350		44460		53020		67800		79800	
		Input (KW)	16.1		21.7		31.1		37.0		45.6		56.9		68.1	
	Evap -35℃	Capacity (KW)	13380		18090		27000		32610		38780		50000		58380	
		Input (KW)	13.4		17.8		26.3		31.4		38.25		48.6		58.1	
	Evap -40℃	Capacity (KW)	9000		12180		18660		23070		27210		35700		40830	
		Input (KW)	10.8		14.2		21.7		26.1		31.2		40.7		48.2	
Pipe	Suction Pipe (mm)		φ54		φ54		φ67		φ76		φ76		φ108		φ108	
	Liquid Pipe (mm)		φ22		φ22		φ28		φ28		φ28		φ35		φ35	
	Discharge Pipe (mm)		φ42		φ42		φ42		φ42		φ54		φ54		φ67	
	Liquid in Pipe (mm)		φ28		φ28		φ35		φ35		φ35		φ42		φ42	
Overall Dimension	L (mm)		2750		2750		2750		2850		3150		3150		3150	
	W (mm)		1120		1120		1120		1120		1120		1120		1120	
	H (mm)		1700		1700		1700		1700		1850		1850		1850	

Remarks: 1. All the above data calculated base on the condensing temperature 45°C.

			4 Compressors Rack For Middle & Low Temperature						
Model			BBF4-36LY	BBF4-56LY	BBF4-72LY	BBF4-92LY	BBF4-112LY	BBF4-136LY	BBF4-176LY
Temperature (°C)			-15℃ ~ -30℃						
Refrigerant			R404A / R448A / R449A						
Power Supply			380V/50Hz						
Compressor	Type		Simi-hermetic						
	Model		4TES-9Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y	6FE-44Y
	Quantity		4	4	4	4	4	4	4
Capacity & Inpu	Evap -25℃	Capacity (KW)	34480	46800	66760	78680	94400	118800	141200
		Input (KW)	25.4	34.3	48.0	57.1	70.76	87.2	104.8
	Evap -30℃	Capacity (KW)	25240	34200	49800	59280	71360	90400	106400
		Input (KW)	21.5	29.0	41.4	49.3	60.8	75.8	90.8
	Evap -35℃	Capacity (KW)	17840	24120	36000	43480	52040	66720	77840
		Input (KW)	17.8	23.8	35.0	41.8	51.0	64.8	77.4
	Evap -40℃	Capacity (KW)	12000	16240	24880	30760	36280	47640	54440
		Input (KW)	14.4	18.9	28.9	34.8	41.6	54.2	64.3
Pipe	Suction Pipe (mm)		φ54	φ54	φ67	φ76	Φ108	φ108	φ108
	Liquid Pipe (mm)		φ22	φ22	φ28	φ28	φ35	φ35	φ35
	Discharge Pipe (mm)		φ42	φ42	φ54	φ54	φ54	φ67	φ67
	Liquid in Pipe (mm)		φ28	φ28	φ35	φ35	Φ42	φ42	φ42
Overall Dimension	L (mm)		3300	3300	3500	3500	3800	3800	3800
	W (mm)		1120	1120	1120	1120	1120	1120	1120
	H (mm)		1700	1700	1700	1700	1850	1850	1850

Remarks: 1. All the above data calculated base on the condensing temperature 45°C.



Bitzer® Semi-hermetic Compressor Rack System



- Product Description:**
- Semi-Hermetic Bitzer ECOLINE compressors rack;
 - Huge cooling capacity;
 - Multi stage energy adjustment available;
 - Compact design for easy installation;
 - All-around protection for each compressor come from the precise electrical control.



- Nomenclature:**
- 1** Series Code
2 Compressor Type **B**: Bitzer Semi-hermetic
3 Cooling Type **F**: Air Cooled or Evaporative
4 Quantity of the Compressors
5 Total Nominal Capacity (HP)
6 Temperature **M**: 5~-5°C, **L**: -15~-30°C
7 Refrigerant **Y**: R404A / R448A / R449A

2 Compressors Rack For Middle & High Temperature

Model	BBF2-18MY	BBF2-24MY	BBF2-28MY	BBF2-36MY	BBF2-46MY	BBF2-56MY	BBF2-68MY	BBF2-88MY
Temperature (°C)	-5°C ~ +5°C							
Refrigerant	R404A / R448A / R449A							
Power Supply	380V/50Hz							
Compressor	Type	Semi-hermetic						
	Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y
Capacity & Inpu	Evap -5°C	Quantity	2	2	2	2	2	2
		Capacity (KW)	48400	55200	65800	88400	102000	120400
	Evap -10°C	Input (KW)	20.36	22.58	27.26	36.78	44.0	51.6
		Capacity (KW)	38320	43600	52200	70800	82200	97200
	Evap -15°C	Input (KW)	18.56	20.54	24.96	33.78	40.2	47
		Capacity (KW)	29920	33700	40600	56000	65200	77600
Pipe	Liquid in Pipe (mm)	Suction Pipe (mm)	φ42	φ54	φ54	φ67	φ67	φ76
		Liquid Pipe (mm)	φ22	φ22	φ28	φ28	φ28	φ35
		Discharge Pipe (mm)	φ35	φ35	φ35	φ42	φ42	φ54
		Liquid in Pipe (mm)	φ28	φ28	φ28	φ35	φ35	φ42
Overall Dimension	H (mm)	L (mm)	1950	2100	2100	2200	2200	2400
		W (mm)	1120	1120	1120	1120	1120	1120
		H (mm)	1700	1700	1700	1700	1700	1700

Remarks: 1.Ambient Temp. 32°C, condensing temp.45°C.

3 Compressors Rack For Middle & High Temperature

Model	BBF3-27MY	BBF3-36MY	BBF3-42MY	BBF3-54MY	BBF3-69MY	BBF3-84MY	BBF3-102MY	BBF3-132MY
Temperature (°C)	-5°C ~ +5°C							
Refrigerant	R404A / R448A / R449A							
Power Supply	380V/50Hz							
Compressor	Type	Semi-hermetic						
	Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y
Capacity & Inpu	Evap -5°C	Quantity	3	3	3	3	3	3
		Capacity (KW)	72100	82900	98100	132600	152600	180000
	Evap -10°C	Input (KW)	30.5	33.9	40.9	55.2	66.0	78.0
		Capacity (KW)	57300	65400	78900	107300	123000	146300
	Evap -15°C	Input (KW)	27.8	30.8	37.4	50.7	60.3	72.0
		Capacity (KW)	44270	50400	60700	85300	96300	113600
Pipe	Liquid in Pipe (mm)	Suction Pipe (mm)	φ54	φ67	φ67	φ76	φ76	φ108
		Liquid Pipe (mm)	φ22	φ28	φ28	φ35	φ35	φ42
		Discharge Pipe (mm)	φ35	φ42	φ42	φ54	φ54	φ67
		Liquid in Pipe (mm)	φ28	φ35	φ35	φ42	φ42	φ54
Overall Dimension	H (mm)	L (mm)	2750	2750	2750	2850	2850	3150
		W (mm)	1120	1120	1120	1120	1120	1120
		H (mm)	1700	1700	1700	1850	1850	1850

Remarks: 1. All the above data calculated base on the condensing temperature 45°C.