

# BS series box-type condensing unit BS系列箱式冷凝机组

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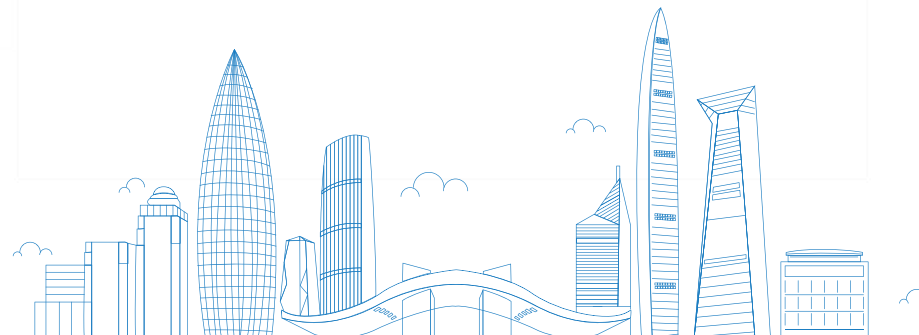
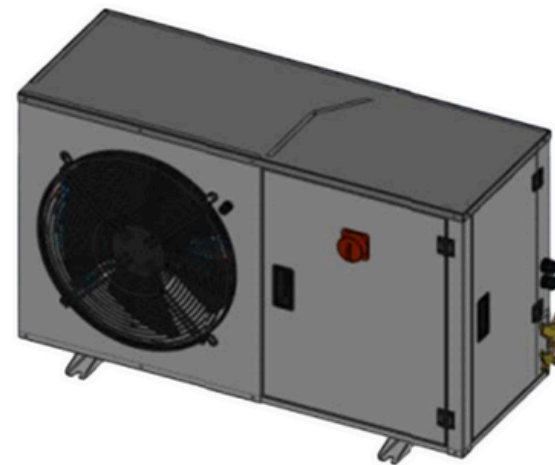
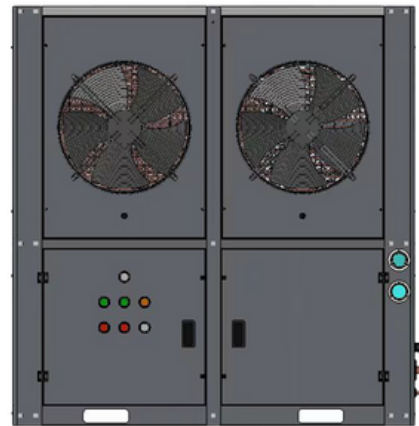
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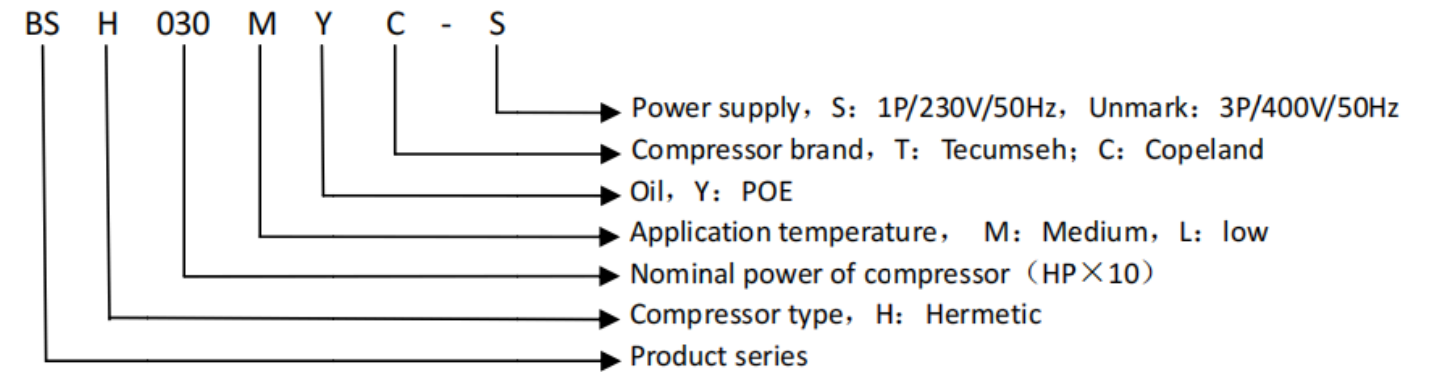
## 产品描述 PRODUCT DESCRIPTION

BSH series box-type low noise condensing units are mainly developed for supermarket, convenience store and cold room applications, the series of products have the following characteristics.

- Use high quality Tecumseh hermetic piston compressor (less than 1.5HP) and Copeland hermetic scroll compressor (more than 2HP).
- The unit design is divided into medium temperature and low temperature applications, the medium temperature unit can be used at 0°C, and the low temperature unit can be used at -15~-25°C.
- Box-type structure design is adopted, galvanized steel plate case with powder coating (white), good anti-corrosion effect.
- The compressor side cover plate adopts hinge structure, easy operation and maintenance.
- Al. fins and rifled copper pipe coil with "Blue Fin" protection.
- Adopt 6-pole low speed motor, fan noise is small.
- It is equipped with a fan speed controller to adjust the fan speed according to the change of condensing pressure, can reduce further the operating noise, especially during night time operation and in cold climates.
- Acoustic insulation to compressor compartment, effectively reduce the noise of units operation.
- Units built-in compressor control and protection electric.
- The employed refrigerant are R134a, R404A, R507A, R448A, R449A
- The units are perfectly suitable to be installed outdoors on roofs, terraces, external wall, etc., because of low noise level and weather proof housing, which is protected against corrosion in order to resist the most severe weather condition.



## 型号标识 NOMENCLATURE



## 技术参数 TECHNICAL DATA

### 1. Medium temperature units

Model		BSH005MYT-S	BSH007MYT-S	BSH010MYT-S	BSH011MYT-S	BSH015MYT-S
Power Supply		1P/230V/50Hz				
Application temperature		-2~5°C				
Comp.	Model	AE4460Z	CAJ9480Z	CAJ9510Z	CAJ9513Z	CAJ4517Z
	Nominal power (HP)	.1/2	.2/3	1	1 - 1/8	1 - 1/2
	Max. current (A)	5.9	6.7	8.4	11.3	12.7
Fan	Voltage (V)	1P/230V/50HZ				
	Current (A)	0.37	0.37	0.37	0.37	0.37
	Input (W)	74	74	74	74	74
	Rev. (r/min)	920	920	920	920	920
Suction line (mm)		φ9.5	φ12.7	φ15.8	φ15.8	φ15.8
Liquid line (mm)		φ9.5	φ9.5	φ9.5	φ9.5	φ9.5
Weight (kg)		52	61	62	63	64
Noise (dBA)		30	30	31	31	32
Dimension drawing		Drawing A	Drawing A	Drawing A	Drawing A	Drawing A

Model		BSH020MYC-S	BSH025MYC-S	BSH030MYC-S	BSH035MYC-S	BSH040MYC-S
PowerSupply		1P/230V/50Hz				
Applicationtemperature		- 2~5°C				
Comp.	Model	ZB15KQE - PFJ	ZB19KQE - PFJ	ZB21KQE - PFJ	ZB26KQE - PFJ	ZB29KQE - PFJ
	Nominalpower(HP)	2	2.5	3	3.5	4
	Max.current(A)	16	18	23	24	27
Fan	Voltage(V)	1P/230V/50HZ				
	Current(A)	0.75	0.75	0.75	0.75	1.5
	Input ( W )	150	150	150	150	2 × 150
	Rev. ( r/min )	920	920	920	920	920
Suctionline(mm)		φ19	φ19	φ19	φ19	φ22
Liquidline(mm)		φ9.5	φ9.5	φ9.5	φ9.5	φ12.7
Weight(kg)		79	81	85	86	123
Noise(dBA)		38	38	38	39	42
Dimensiondrawing		DrawingB	DrawingB	DrawingB	DrawingB	DrawingC

Model		BSH020MYC-S	BSH025MYC-S	BSH030MYC-S	BSH035MYC-S	BSH040MYC-S
PowerSupply		1P/230V/50Hz				
Applicationtemperature		- 2~5°C				
Comp.	Model	ZB15KQE - PFJ	ZB19KQE - PFJ	ZB21KQE - PFJ	ZB26KQE - PFJ	ZB29KQE - PFJ
	Nominalpower(HP)	2	2.5	3	3.5	4
	Max.current(A)	16	18	23	24	27
Fan	Voltage(V)	1P/230V/50HZ				
	Current(A)	0.75	0.75	0.75	0.75	1.5
	Input ( W )	150	150	150	150	2 × 150
	Rev. ( r/min )	920	920	920	920	920
Suctionline(mm)		φ19	φ19	φ19	φ19	φ22

Liquidline(mm)	φ9.5	φ9.5	φ9.5	φ9.5	φ12.7
Weight(kg)	79	81	85	86	123
Noise(dBA)	38	38	38	39	42
Dimensiondrawing	DrawingB	DrawingB	DrawingB	DrawingB	DrawingC

Model		BSH020MYC-S	BSH025MYC-S	BSH030MYC-S	BSH035MYC-S	BSH040MYC-S	BSH050MYC
PowerSupply		1P/230V/50Hz					3P/400V/50Hz
Applicationtemperature		- 2~5°C					- 2~5°C
Comp.	Model	ZB15KQE-PFJ	ZB19KQE-PFJ	ZB21KQE-PFJ	ZB26KQE-PFJ	ZB29KQE-PFJ	ZB38KQE-TFD
	Nominalpower(HP)	2	2.5	3	3.5	4	5
	Max.current(A)	16	18	23	24	27	13.5
Fan	Voltage(V)	1P/230V/50HZ					1P/230V/50Hz
	Current(A)	0.75	0.75	0.75	0.75	1.5	1.5
	Input ( W )	150	150	150	150	2 × 150	2 × 150
	Rev. ( r/min )	920	920	920	920	920	920
Suctionline(mm)		φ19	φ19	φ19	φ19	φ22	φ22
Liquidline(mm)		φ9.5	φ9.5	φ9.5	φ9.5	φ12.7	φ12.7
Weight(kg)		79	81	85	86	123	128
Noise(dBA)		38	38	38	39	42	42
Dimensiondrawing		DrawingB	DrawingB	DrawingB	DrawingB	DrawingC	DrawingC

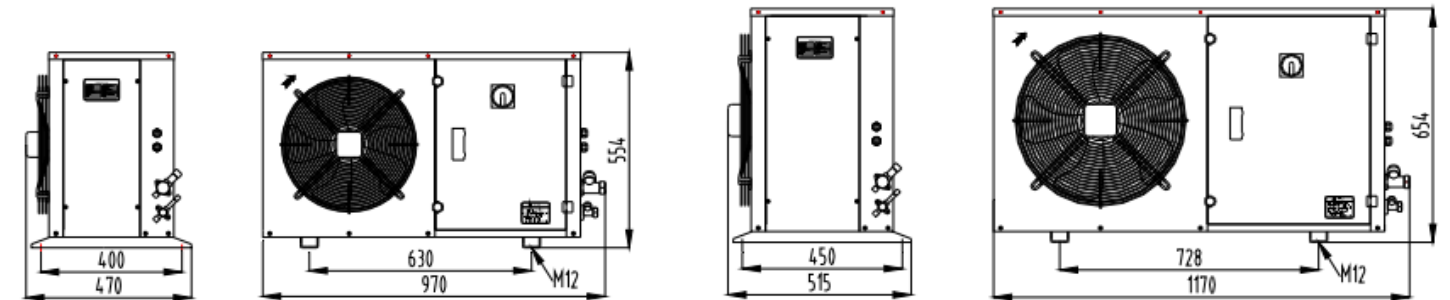
Model		BSH060MYC	BSH070MYC	BSH080MYC	BSH090MYC	BSH100MYC	BSH130MYC	BSH150MYC
PowerSupply		3P/400V/50Hz						
Applicationtemperature		- 2~5°C						
Comp.	Model	ZB45KQE-TFD	ZB48KQE-TFD	ZB58KQE-TFD	ZB66KQE-TFD	ZB76KQE-TFD	ZB95KQE-TFD	ZB114KQE-TFD
	Nominalpower(HP)	6	7	8	9	10	13	15
	Max.current(A)	16.1	17	23	24.2	26.9	31	38

Fan	Voltage(V)	1P/230V/50HZ						
	Current(A)	1.5	1.5	2.1	2.1	2.1	3	3
	Input ( W )	2 × 150	2 × 150	2 × 230	2 × 230	2 × 230	4 × 150	4 × 150
	Rev. ( r/min )	920	920	900	900	900	920	920
Suctionline(mm)		φ22	φ22	φ28	φ35	φ35	φ35	φ35
Liquidline(mm)		φ12.7	φ12.7	φ16	φ16	φ16	φ16	φ16
Weight(kg)		133	133	186	190	194	242	247
Noise(dBA)		42	42	44	46	46	48	48
Dimensiondrawing		DrawingC	DrawingC	DrawingD	DrawingD	DrawingD	DrawingE	DrawingE

## 2.Low temperature units

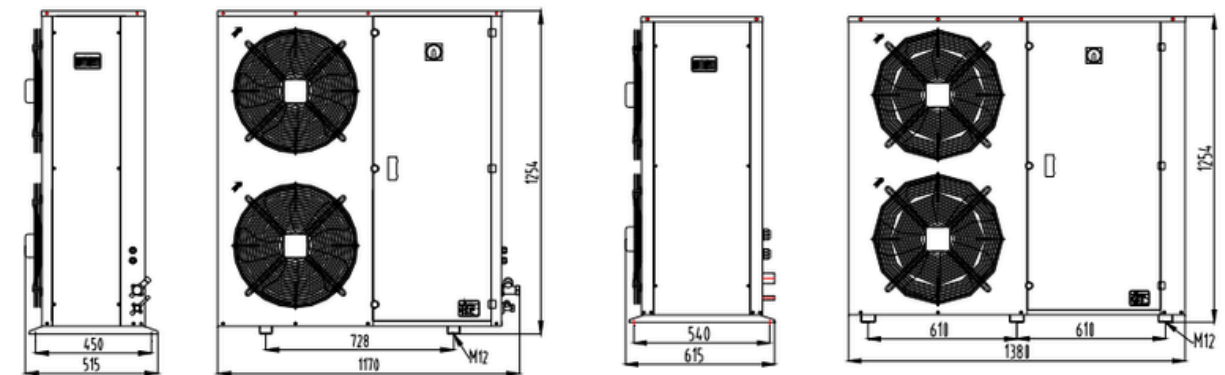
Model		BSH010LYT-S	BSH015LYT-S	BSH020LYC	BSH030LYC	BSH040LYC	BSH050LYC
PowerSupply		1P/230V/50Hz			3P/400V/50Hz		
Applicationtemperature		- 15~℃ - 25℃					
Comp	Model	CAJ2446Z	CAJ2464Z	ZF06KQE-TFD	ZF09KQE-TFD	ZF13KQE-TFD	ZF15KQE-TFD
	Nominalpower( HP)	1	1.5	2	3	4	5
	Max.current(A)	8.2	10	6	6.5	10	12
Fan	Voltage(V)	1P/230V/50HZ					
	Current(A)	0.37	0.37	0.75	0.75	0.75	0.75
	Input ( W )	74	74	150	150	150	150
	Rev. ( r/min )	920	920	920	920	920	920
Suctionline(mm)		φ12.7	φ15.8	φ19	φ19	φ19	φ19
Liquidline(mm)		φ9.5	φ9.5	φ9.5	φ9.5	φ9.5	φ9.5
Weight(kg)		62	64	79	83	95	97
Noise(dBA)		31	31	37	38	38	39
Dimensiondrawing		DrawingA	DrawingA	DrawingB	DrawingB	DrawingB	DrawingB

Model		BSH060LYC	BSH075LYC	BSH090LYC	BSH100LYC	BSH130LYC	BSH150LYC
PowerSupply		1P/230V/50Hz					
Applicationtemperature		- 15~℃ - 25℃					
Comp	Model	ZF18KQE-TFD	ZF25KQE-TFD	ZF28KQE-TFD	ZF34KQE-TFD	ZF41KQE-TFD	ZF49KQE-TFD
	Nominalpower( HP)	6	7.5	9	10	13	15
	Max.current(A)	12.5	16.6	20.1	25	27	28.3
Fan	Voltage(V)	1P/230V/50HZ					
	Current(A)	1.5	1.5	1.5	2.1	2.1	2.1
	Input ( W )	2 × 150	2 × 150	2 × 150	2 × 230	2 × 230	2 × 230
	Rev. ( r/min )	920	920	920	900	900	900
Suctionline(mm)		φ22	φ22	φ22	φ35	φ35	φ35
Liquidline(mm)		φ12.7	φ12.7	φ12.7	φ16	φ16	φ16
Weight(kg)		129	129	133	192	192	197
Noise(dBA)		43	43	44	46	46	46
Dimensiondrawing		DrawingC	DrawingC	DrawingC	DrawingD	DrawingD	DrawingD



Drawing A

Drawing B



Drawing C

Drawing D