

RIGID HVAC CO., LTD

High Power Inverter Rotary DC Compressor

Model	XB075Z	KVB096Z	KVB150Z	SVB208Z48	HB075Z	KFB096Z	KFB150Z	KFB220Z72
								
Displacement	7.5cc	9.6cc	14.8cc	20.8cc	7.5cc	9.6cc	14.8cc	22.0cc
Attributes	Vertical Efficient	Vertical Efficient	Vertical Efficient	Vertical Efficient	Vertical Efficient	Vertical Efficient	Vertical Efficient	Horizontal Efficient
Cooling capacity (under ASHRAE)	1040W	1200W	2100W	2870W	1040W	1200W	2100W	3700W
Input Power	330W	375W	665W	970W	330W	375W	665W	1100W
COP	3.15 W/W	3.20 W/W	3.15 W/W	2.96 W/W	3.15 W/W	3.20 W/W	3.15 W/W	3.36 W/W
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Cylinder	Single	Single	Twin	Twin	Single	Single	Twin	Twin
Working Current	4.6A ~ 27.5A	5.2A ~ 15.6A	9.2A ~ 27.7A	20.2A	4.6A ~ 27.5A	5.2A ~ 15.6A	9.2A ~ 27.7A	15.3A ~ 20.3A
Voltage	12V/24V/72V	24V/48V/72V	24V/48V/72V	24V/48V/72V	12V/24V/72V	24V/48V/72V	24V/48V/72V	48V/72V
Speed Range	2000~4500rpm	2,500 ~ 4,500rpm	2,500 ~ 4,500rpm	2,000 ~ 4,200 rpm	2000~4500rpm	2,500 ~ 4,500rpm	2,500 ~ 4,500rpm	1800~6000rpm
Driver Board	Included	Included	Included	Included	Included	Included	Included	Included
Motor Type	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless	BLDC Sensorless
Evaporator Temp	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)	-15~15°C (5~59°F)
Ambient Temp	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)	15~43°C (59~131°F)
Max Discharge Temp	100°C/212°F	100°C/212°F	100°C/212°F	100°C/212°F	100°C/212°F	100°C/212°F	100°C/212°F	100°C/212°F
Suction Port Size	ID Φ8.1	ID Φ8.1	ID Φ12	ID Φ12	ID Φ8.1	ID Φ8.1	ID Φ12	ID Φ12
Discharege Port Size	ID Φ9.8	ID Φ9.8	ID Φ14	ID Φ14	ID Φ9.8	ID Φ9.8	ID Φ14	ID Φ14