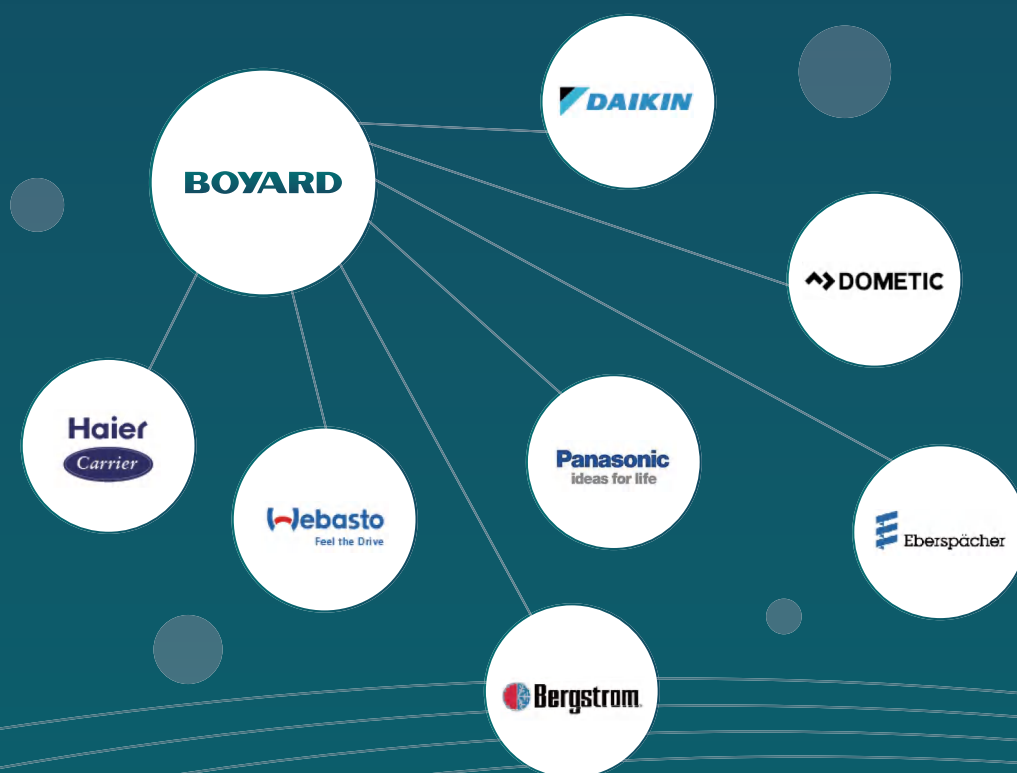
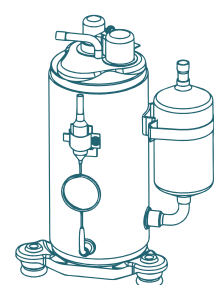


BUSSINESS PARTNER

BOYARD

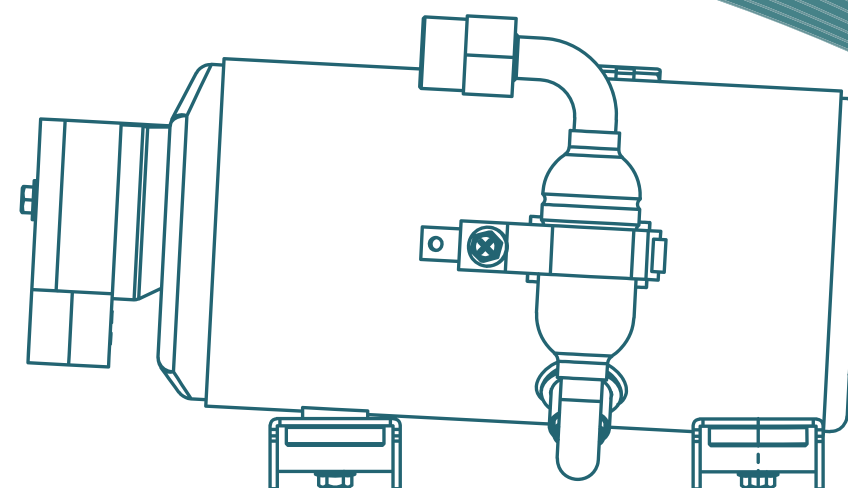


COMPRESSOR CATALOG



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ABOUT US

Boyard Compressor Co., Ltd., established in 2006, is a national high-tech enterprise specializing in the R&D, production, manufacturing, sales, and service of refrigeration compressors for trucks, new energy vehicles, RVs, mobile cold chain transport vehicles, as well as medium-low temperature compressors and condensing units. Adhering to the core corporate values of "integrity, dedication, innovation, and win-win," the company has achieved a leading position in the industry through years of continuous innovation and development.

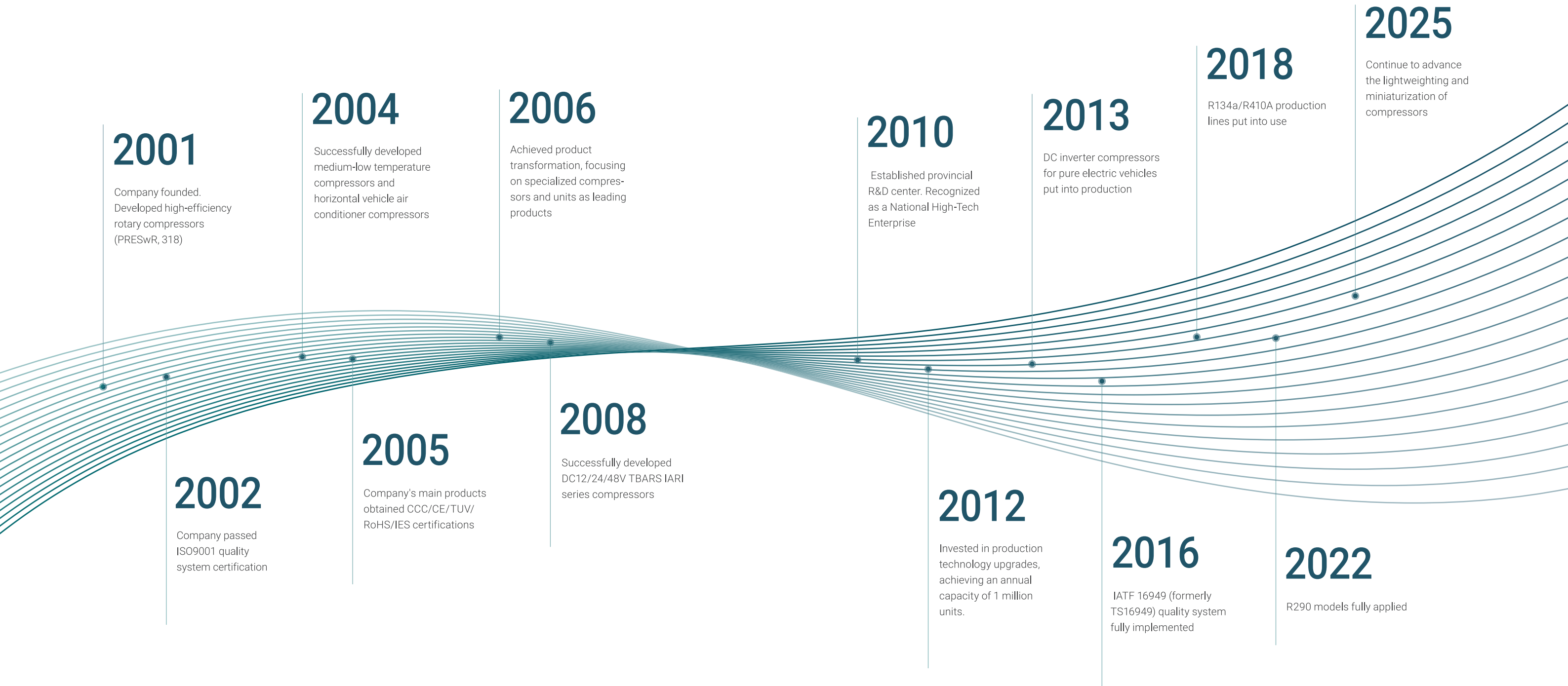
Rooted in technological innovation and advocating green environmental protection, the company's products have been honored as Zhejiang Famous Brand Products. It operates as a provincial-level high-tech enterprise R&D center and serves as a drafting unit for cold chain compressor standards under the National Household Appliance Standardization Technical Committee. The company was also invited to participate in drafting the "Industry Standard for Liquid-Injected Rotary Compressors for Refrigeration and Freezing." With a strong emphasis on independent innovation, the company has been granted 34 patents by the National Patent Office, including 7 invention patents and 29 utility model patents. The company covers an area of 33,000 m² with a building area of 21,000 m² and employs nearly 300 people.

Equipped with modern standard workshops, a technical R&D center, and advanced testing facilities, it holds an industrial product production license and has an annual production capacity of 1 million rotary compressors. The company has established a comprehensive product quality assurance system and an environmental management system, certified with IATF 16949 quality system certification, ISO 14001 environmental management system certification, as well as CCC, CE, UL, RoHS, REACH, and other certifications.

Adhering to the principle of "quality first, reputation first," the company leverages scientific management and strong technical capabilities to continuously deepen reforms, innovate mechanisms, adapt to the market, and achieve comprehensive development. It continually expands the application fields of compressors, which are widely used in commercial refrigerated counters, logistics cold chains, cold storage, dehumidification and drying equipment, liquid cooling, battery thermal management, new energy vehicles, trucks, ships, and other diverse areas. With excellent product cost-effectiveness and a comprehensive after-sales service system, the company has established strong cooperative relationships with numerous domestic and international clients, exporting products to the EU, North America, Australia, the Middle East, Southeast Asia, South Africa, South America, and other regions and countries.



MILESTONES



FEATURES



Commercial Refrigeration Compressor

- Complete series, power range from 1/3HP to 3HP
- High efficiency, low power consumption, compact design
- Dual rotary structure option available
- High temperature resistance, high reliability
- Horizontal structure provides more display space



Transport Refrigeration Compressor

- Horizontal low-height design
- DC12V/24V/48V/312V power supply
- Adapts to various road conditions
- Suitable for multiple types of vehicles
- High temperature resistance, high durability



Caravan & RV A/C Compressor

- Capable of adapting to vibration and various road conditions
- AC or DC12V/24V/48V/312V power supply options available
- Horizontal low-height design
- Dual rotary structure, low noise and vibration



Truck & Off-Road Vehicle A/C Compressor

- Capable of adapting to vibration and various road conditions
- DC12V/24V/48V/72V/96V/312V power supply
- High-strength connections, high protection rating
- Full series features dual rotary structure, low noise and vibration

HONOR



VISION

To be a leading supplier in the refrigeration industry



MISSION

To apply refrigeration technology to broader areas of life



CORE VALUES

Integrity, Dedication, Innovation, Win-Win



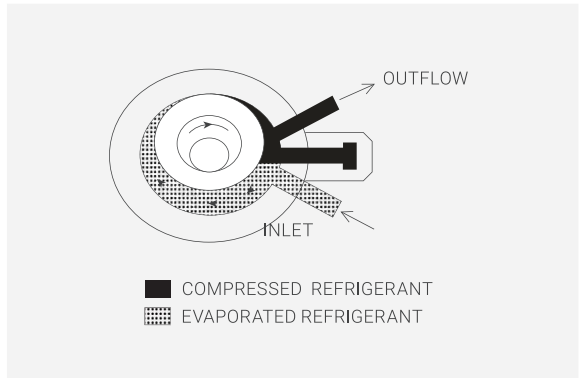
ROTARY SOLUTIONS FOR COMMERCIAL REFRIGERATION

Features

- Higher efficiency compared with reciprocating
- Liquid injecting technique to prevent overheating
- Low vibration and noise thanks to twin rotary technique
- Horizontal low profile available

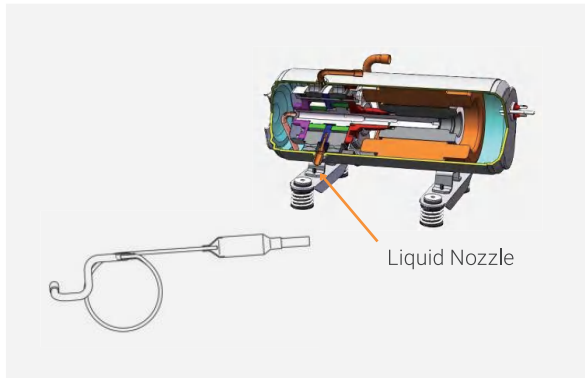
Higher Efficiency

Due to mechanism difference, rotary compressor has higher volumetric efficiency than reciprocating ones, leads to 20% higher cooling capacity with same displacement.



Liquid Injecting Technique

Liquid refrigerant from system high pressure side being piped into the compression chamber, cool down the key components and oil, prevent compressor from overheating in high compression ratio working status.



Horizontal Low Profile

Optimized and mature horizontal rotary series help to save space for displaying



Refrigeration Solution

The whole process from transportation to end market



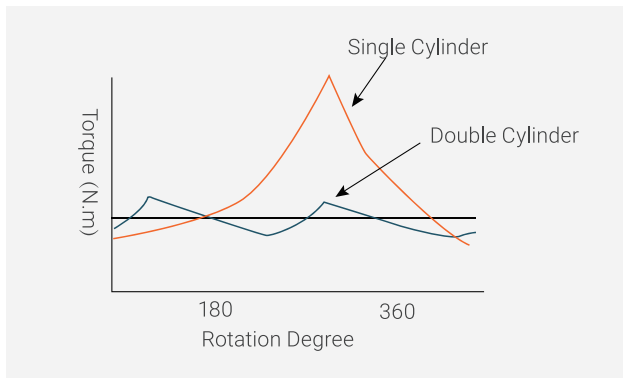
DC VARIABLE SPEED ROTARY SOLUTIONS

Key Features

- Design for various road conditions
- Low vibration and noise thanks to twin rotary technique
- High efficiency and wide RPM range
- Robust and high reliability

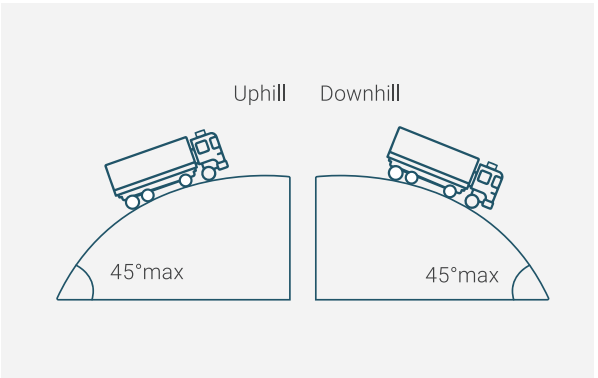
Twin Rotary

Two 180° opposite compression chamber drastically improves the dynamic balancing and torque ripple characteristics, improves mechanical efficiency, helps to provide a silent operation and broad rpm range.



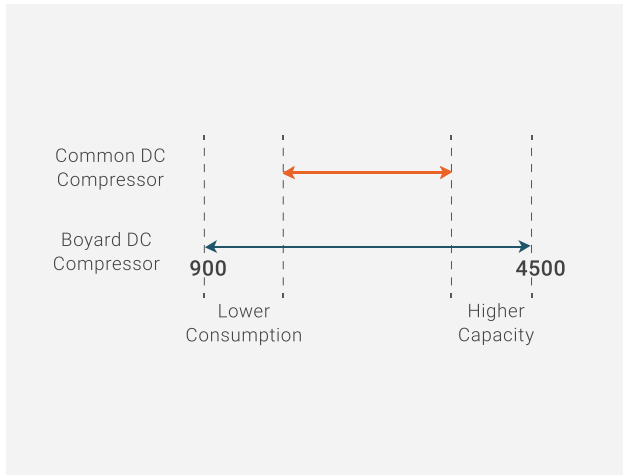
Reliable Oil Supply

Mature oil supplying mechanism to pump oil into cylinder within maximum 45° angel, working on a ramp would not be problem.



Wide RPM Range

Lower minimum speed helps to save energy, especially critical when powered by lithium battery. Higher RPM brings faster cooling experience.



COOLING CAPACITY RANGE

HBP

Cooling Capacity							
	1KW	2KW	3KW	4KW	5KW	6KW	7KW
Flxed Speed	1.1-5.9 KW						
Variable Speed	0.6-6.0 KW						

MBP

Cooling Capacity							
	1KW	2KW	3KW	4KW	5KW	6KW	7KW
Flxed Speed	1.0-5.3 KW						
Variable Speed	0.9-5.7 KW						

LBP

Cooling Capacity							
	0.5KW	1KW	1.5KW	2KW	2.5KW	3KW	3.5KW
Flxed Speed	0.8-3.0 KW						
Variable Speed	0.9-3.2 KW						

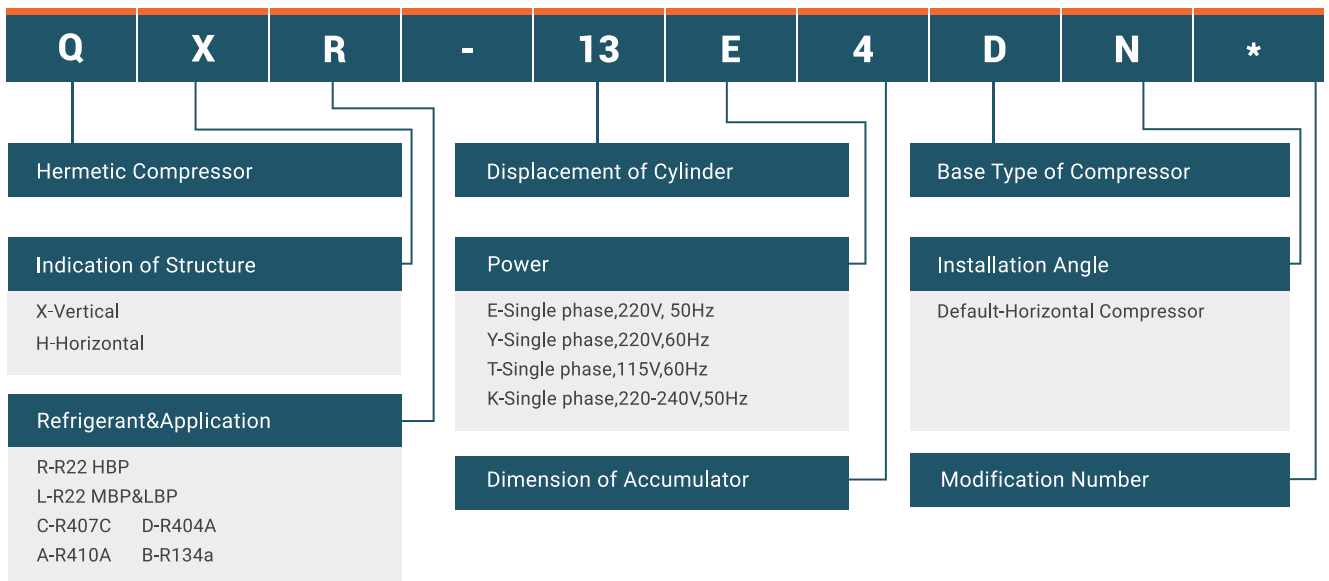
Test Conditions

Test Condition	Evaporating Temp.	Condensing Temp.	Suction Temp.	Liquid Temp.
HBP	7.2 C	54.5 C	18.3 C	46.1 C
MBP	-6.7 C	54.5 C	18.3 C	32.2 C
LBP	-23.3 C	54.5 C	18.3 C	32.2 C

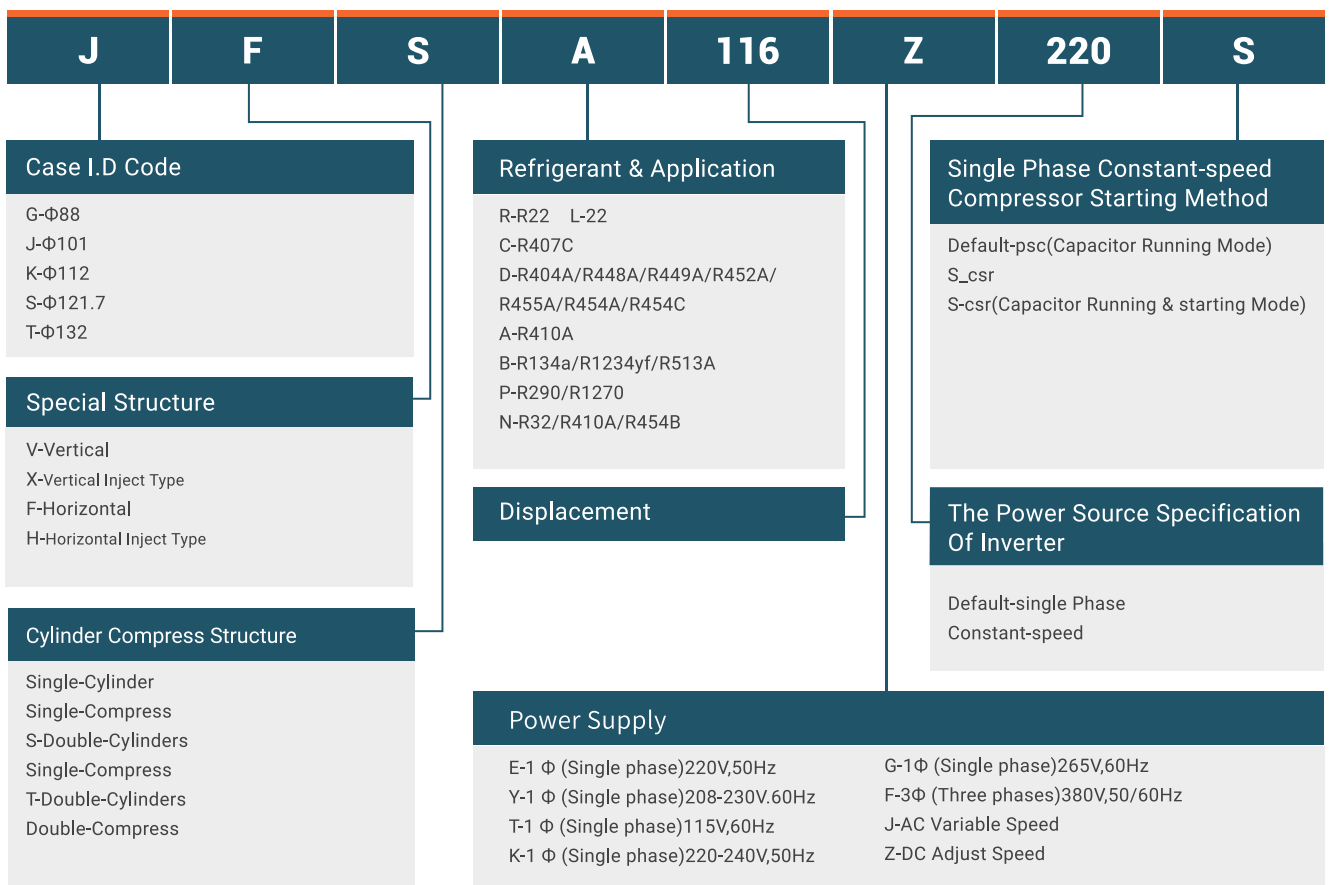


NOMENCLATURE

Naming Method 1



Naming Method 2



PERFORMANCE PARAMETERS



Variable-Speed RV Air Conditioner Compressor

Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Speed Range (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290/R513A/R1234yf/R1270 1PH DC312V												
JFSP116Z312	11.6	2000	6860	635	2.1	3.15	3600	900-5400	115	HBP	H	2
JFSP150Z312	15.0	2600	8920	825	2.7	3.20	3600	900-5400	115	HBP	H	2
JFSP180Z312	18.0	3200	10975	1000	3.3	3.20	3600	900-4500	115	HBP	H	2
JVSP116Z312	11.6	2000	6860	635	2.9	3.15	3600	900-5400	250	HBP	V	2
JVSP150Z312	15.0	2600	8920	825	3.8	3.15	3600	900-5400	250	HBP	V	2
R32/R454B/R410A DC312V												
GFSN075Z312	7.5	2315	7940	785	2.6	2.95	3600	900-5400	101	HBP	H	2
JFSN116Z220	11.6	3650	12520	1175	5.4	3.10	3600	900-5400	115	HBP	H	2
JFSN150Z220	15.0	4850	16635	1600	7.3	3.05	3600	900-4500	115	HBP	H	2
GVSN065Z312	6.5	2050	7030	695	2.3	2.95	3600	900-5400	220	HBP	V	2
R32/R454B/R410A DC160V												
GFSN075Z160	7.5	2315	7940	785	5.0	2.95	3600	900-5400	101	HBP	H	2
JFSN116Z160	11.6	3650	12520	1175	7.4	3.10	3600	900-5400	115	HBP	H	2
R32/R454B/R410A DC48												
GFSN075Z48	7.5	2315	7940	785	17.0	2.95	3600	900-5400	101	HBP	H	2
JFSN116Z48	11.6	3650	12520	1175	25.0	3.10	3600	900-5400	115	HBP	H	2
JFSN150Z48	15.0	4850	16635	1600	34.0	3.05	3600	900-4500	115	HBP	H	2
R410A DC312V												
JFSA116Z220	11.6	3395	11645	1130	5.2	3.00	3600	900-5400	140	HBP	H	2
R134a/R1234yf/R513A DC48												
JFSB180Z48	18.0	2420	8300	768	16.0	3.15	3600	900-4500	146	HBP	H	2
KFSB300Z48	30.0	5250	18000	1750	36.5	3.00	4500	900-5400	177	HBP	H	2
R134a/R1234yf/R513A DC12												
JFSB150Z12	15.0	2100	7200	725	60.5	2.95	3600	900-4000	146	HBP	H	2

Fixed-Speed RV Air Conditioner Compressor

Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290/R513A/R1234yf/R1270 1PH 220-240V ~ 50Hz										
KFSP138K	13.8	2070	7100	650	3.0	3.20	148	HBP	H	2
KFSP203K	20.3	3050	10460	955	4.4	3.20	148	HBP	H	2
JFP075K	7.5	1100	3770	370	1.8	3.00	140	HBP	H	1
KFP113K	11.3	1690	5790	520	2.4	3.25	148	HBP	H	1
KFP142K	14.2	2130	7300	655	3.0	3.25	148	HBP	H	1
KFP164K	16.4	2470	8470	760	3.5	3.25	148	HBP	H	1
R32/R454B/R410A 1PH 115V ~ 60Hz										
JFN058T	5.8	1780	6100	630	5.6	2.85	140	HBP	H	1
JFN075T	7.5	2320	7950	815	7.3	2.85	140	HBP	H	1
KFN088T	8.8	2710	9290	950	8.3	2.85	148	HBP	H	1
KFN092T	9.2	2850	9770	1000	8.8	2.85	148	HBP	H	1
KFN113T	11.3	3500	12000	1230	10.9	2.85	148	HBP	H	1
R32/R454B/R410A 1PH 220-240V ~ 50Hz										
KFN113K *S	11.0	2780	9530	975	4.6	2.85	148	HBP	H	2
KFSN138K	13.8	3560	12200	1250	5.8	2.85	148	HBP	H	2
JFN058K	5.8	1555	5330	545	2.5	2.85	140	HBP	H	1
JFN065K	6.5	1750	6000	610	2.9	2.85	140	HBP	H	1
KFN088K	8.8	2220	7610	780	3.6	2.85	148	HBP	H	1
KFN102K	10.2	2570	8810	900	4.2	2.85	148	HBP	H	1
KFN113K	11.3	2850	9770	1000	4.7	2.85	148	HBP	H	1
KFN125K	12.5	3250	11140	1140	5.4	2.85	148	HBP	H	1
SFN138K	13.5	3420	11730	1200	5.7	2.85	154	HBP	H	1
JVN086K	8.6	2250	7710	785	3.8	2.87	270	HBP	V	1
SVN120K	12.0	3050	10460	1070	5.2	2.75	240	HBP	V	1
R32/R454B/R410A 1PH 208-230V ~ 60Hz										
JFN058Y	5.8	1780	6100	630	2.9	2.80	140	HBP	H	1
KFN088Y	8.8	2710	9290	950	4.3	2.85	148	HBP	H	1
KFN092Y	9.2	2850	9770	1000	4.7	2.85	148	HBP	H	1
KFN113Y	11.3	3500	12000	1230	5.6	2.85	148	HBP	H	1



Fixed-Speed RV Air Conditioner Compressor

Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R32/R454B/R410A 1PH 265V ~ 60Hz										
JFN058G	5.8	1780	6100	630	2.5	2.80	140	HBP	H	1
KFN088G	8.8	2710	9290	950	3.7	2.85	148	HBP	H	1
KFN092G	9.2	2850	9770	1000	3.9	2.85	148	HBP	H	1
KFN113G	11.3	3500	12000	1230	4.8	2.85	148	HBP	H	1
R410A 1PH 115V ~ 60Hz										
JFA058T	5.8	1680	5760	600	5.3	2.85	140	HBP	H	1
JFA075T	7.5	2180	7470	780	6.9	2.85	140	HBP	H	1
KFA092T	9.2	2710	9290	950	8.5	2.85	148	HBP	H	1
KFA102T	10.2	2960	10150	1040	9.3	2.85	148	HBP	H	1
KFA113T	11.3	3280	11250	1150	10.3	2.85	148	HBP	H	1
SFA138T	13.5	3910	13400	1370	12.3	2.85	154	HBP	H	1
R410A 1PH 220-240V ~ 50Hz										
KFSA138K	13.8	3350	11490	1175	5.4	2.85	148	HBP	H	2
R410A 1PH 208-230V ~ 60Hz										
JFA058Y	5.8	1680	5760	600	2.8	2.80	140	HBP	H	1
JFA075Y	7.5	2180	7470	780	3.6	2.80	140	HBP	H	1
KFA092Y	9.2	2710	9290	950	4.4	2.85	148	HBP	H	1
KFA102Y	10.2	2960	10150	1040	4.8	2.85	148	HBP	H	1
KFA113Y	11.3	3280	11250	1150	5.4	2.85	148	HBP	H	1
SFA138Y	13.5	3910	13410	1370	6.4	2.85	154	HBP	H	1
R410A 1PH 265V ~ 60Hz										
JFA058G	5.8	1680	5760	630	2.3	2.80	140	HBP	H	1
JFA075G	7.5	2180	7470	780	3.0	2.80	140	HBP	H	1
KFA092G	9.2	2710	9290	950	3.6	2.85	148	HBP	H	1
KFA102G	10.2	2960	10150	1040	4.0	2.85	148	HBP	H	1
KFA113G	11.3	3280	11250	1150	4.5	2.85	148	HBP	H	1
SFA138G	13.5	3910	13410	1370	5.3	2.85	154	HBP	H	1



Fixed-Speed RV Air Conditioner Compressor

Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R134a 1PH 115V ~ 60Hz										
SFB236T	23.6	3200	10970	1085	9.6	2.95	154	HBP	H	1
R407C 1PH 220-240V ~ 50Hz										
QHC-10K	9.2	1580	5420	540	2.6	2.90	148	HBP	H	1
QHC-13K	13.4	2120	7270	730	3.4	2.90	148	HBP	H	1
QHC-16K	16.4	2750	9430	930	4.4	2.95	148	HBP	H	1
QHC-19K	19.2	3200	10970	1100	5.1	2.91	154	HBP	H	1
QHC-23K	23.6	3830	13130	1280	6.0	2.99	154	HBP	H	1
QHC-30K	30.7	5080	17420	1800	8.6	2.83	195	HBP	H	1
QHC-36K	35.7	5960	20440	2090	9.8	2.85	195	HBP	H	1
R407C 1PH 220-240V ~ 50Hz										
SFC236F	23.6	3850	13200	1350	3.1	2.85	160	HBP	H	1
TFC307F	30.7	5130	17590	1800	3.3	2.85	170	HBP	H	1

Train/Railway Air Conditioner Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R407C 1PH 220-240V ~ 50Hz										
SFC236F	23.6	3850	13200	1350	3.1	2.85	160	HBP	H	1
TFC307F	30.7	5130	17590	1800	3.3	2.85	170	HBP	H	1

Truck/Off-Road Vehicle Air Conditioner Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Speed Range (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R32/R454B/R410A DC12												
GFSN065Z12	6.5	2050	7030	720	61.0	2.85	3600	900-4800	101	HBP	H	2
R32/R454B/R410A DC24												
GFSN075Z24	7.5	2315	7940	785	33.5	2.95	3600	900-4800	101	HBP	H	2
JFSN116Z24	11.6	3650	12520	1250	54.0	3.00	3600	900-5000	113	HBP	H	2
R32/R454B/R410A DC48												
GFSN075Z48	7.5	2315	7940	785	17.0	2.95	3600	900-5400	101	HBP	H	2
JFSN116Z48	11.6	3650	12520	1250	26.0	3.00	3600	900-5400	113	HBP	H	2
R134a/R1234yf/R513A DC12												
JFSB116Z12	11.6	1605	5480	555	46.3	2.90	3600	900-4800	146	HBP	H	2
JVSB116Z12	11.6	1605	5480	555	46.3	2.90	3600	900-4000	256	HBP	V	2
JFSB150Z12	15.0	2100	7200	725	60.5	2.95	3600	900-4000	146	HBP	H	2
JVSB150Z12	15.0	2100	7200	725	62.0	2.90	3600	900-4000	256	HBP	V	2
R134a/R1234yf/R513A DC24												
JFSB150Z24	15.0	2100	5480	656	27.5	3.20	3600	900-4800	115	HBP	H	2
JVSB150Z24	15.0	2100	5480	675	28.0	3.10	3600	900-4000	256	HBP	V	2
JFSB180Z24	18.0	2500	8570	785	32.0	3.20	3600	900-4800	115	HBP	H	2
JVSB180Z24	18.0	2420	8300	780	32.5	3.10	3600	900-4800	256	HBP	V	2
R134a/R1234yf/R513A DC48												
JFSB150Z48	15.0	2100	7200	656	14.0	3.20	3600	900-4800	115	HBP	H	2
JVSB150Z48	15.0	2100	7200	665	13.8	3.15	3600	900-4500	256	HBP	V	2
JFSB180Z48	18.0	2500	8575	785	16.0	3.20	3600	900-4800	115	HBP	H	2
JVSB180Z48	18.0	2420	8300	768	16.0	3.15	3600	900-4800	256	HBP	V	2
KFSB300Z48	30.0	4200	14400	1400	30.0	3.00	3600	900-5400	145	HBP	H	2
R407C/R134a/R22 DC48												
KVSC300Z48	30.0	6000	20580	2100	44.0	2.85	3600	900-5400	340	HBP	V	2

Portable Air Conditioner Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Speed Range (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290/R513A/R1234yf/R1270 DC24												
GFSP040Z24	4.0	695	2380	235	10.0	2.95	3600	900—5400	101	HBP	H	2
GFSP075Z24	7.5	1375	4715	450	19.3	3.05	3600	900—5400	101	HBP	H	2
GVSP040Z24	4.0	695	2380	235	10.0	2.95	3600	900—5400	198	HBP	V	2
GVSP075Z24	7.5	1375	4715	450	19.3	3.05	3600	900—5400	198	HBP	V	2
R290/R513A/R1234yf/R1270 DC48												
GFSP040Z48	4.0	695	2380	235	5.0	2.95	3600	900—5400	101	HBP	H	2
GFSP075Z48	7.5	1375	4715	450	10.0	3.05	3600	900—5400	101	HBP	H	2
GVSP040Z48	4.0	695	2380	235	5.0	2.95	3600	900—5400	198	HBP	V	2
GVSP065Z48	6.5	1190	4060	390	8.3	3.05	3600	900—5400	198	HBP	V	2
GVSP075Z48	7.5	1375	4715	450	10.0	3.05	3600	900—5400	198	HBP	V	2
GVSP096Z48	9.6	1740	5960	570	12.0	3.05	3600	900—5400	205	HBP	V	2
R32/R454B/R410A DC24												
GFSN040Z24	4.0	1220	4180	420	18.0	2.90	3600	900—5400	101	HBP	H	2
GVSN040Z24	4.0	1220	4180	420	18.0	2.90	3600	900—5400	225	HBP	V	2
R32/R454B/R410A DC48												
GFSN040Z48	4.0	1220	4180	420	9.0	2.90	3600	900—5400	101	HBP	H	2
GVSN040Z48	4.0	1220	4180	420	9.0	2.90	3600	900—5400	225	HBP	V	2
R134a/R1234yf/R152a DC24												
GFSB040Z24	4.0	605	2075	205	8.8	2.95	3600	900—5400	101	HBP	H	2
GFSB075Z24	7.5	1040	3560	330	14.0	3.15	3600	900—5400	101	HBP	H	2
GVSB040Z24	4.0	605	2075	205	8.8	2.95	3600	900—5400	198	HBP	V	2
GVSB075Z24	7.5	1040	3560	330	14.0	3.15	3600	900—5400	198	HBP	V	2
R134a/R1234yf/R152a DC48												
GFSB040Z48	4.0	605	2075	205	4.5	2.95	3600	900—5400	101	HBP	H	2
GFSB075Z48	7.5	1040	3560	330	7.0	3.15	3600	900—5400	101	HBP	H	2
GVSB040Z48	4.0	605	5075	205	4.5	2.95	3600	900—5400	198	HBP	V	2
GVSB075Z48	7.5	1040	3560	330	7.0	3.15	3600	900—5400	198	HBP	V	2

Other Compressor

Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R407C 1PH 220-240V ~ 50Hz										
QXC-13K	13.5	2260	7750	760	3.6	2.97	300	HBP	V	1
QXC-16K	16.4	2670	9160	900	4.1	2.97	300	HBP	V	1
QXC-19K	19.2	3200	10970	1060	5.0	3.02	315	HBP	V	1
QXC-21K	20.8	3500	12000	1180	5.6	2.97	330	HBP	V	1
QXC-23K	23.5	3900	13370	1320	6.0	2.95	330	HBP	V	1
QXC-30K	30.7	5080	17420	1710	8.1	2.97	340	HBP	V	1
QXC-36K	35.7	5960	20440	2030	9.8	2.94	340	HBP	V	1
R22 1PH 220V ~ 50Hz										
QHR-13E	13.5	2250	7710	750	3.5	3.00	180	HBP	H	1
QHR-16E	16.4	2800	9600	950	4.5	2.95	180	HBP	H	1
QHR-19E	19.6	3250	11140	1120	5.1	2.90	190	HBP	H	1
QHR-23E	23.6	3920	13440	1360	6.3	2.88	190	HBP	H	1
QXR-13E	13.5	2280	7820	740	3.5	3.08	300	HBP	V	1
QXR-16E	16.4	2800	9600	910	4.2	3.08	300	HBP	V	1
QXR-19E	19.2	3250	11140	1070	5.0	3.04	310	HBP	V	1
QXR-21E	20.8	3520	12070	1180	5.6	2.98	330	HBP	V	1

MBP Air Conditioner Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290/R513A/R1234yf/R1270/R134a 1PH 220-240V ~ 50Hz										
SVP120K	12.0	1010	3465	530	2.5	1.90	245	MBP	V	1
SVP150K	15.0	1300	4460	635	3.0	2.05	245	MBP	V	1

Variable-Speed Transport Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Speed Range (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R134a/R1234yf /R513A DC 12V												
JFSB116Z12	11.6	916	3125	508	42.5	1.80	3600	900~4000	146	MBP	H	2
JFSB150Z12	15.0	1175	4009	655	54.6	1.80	3600	900~4000	146	MBP	H	2
R134a/R1234yf/R513A DC 24V												
JFSB116Z24	11.6	916	3125	458	19.0	2.00	3600	900~4500	146	MBP	H	2
JFSB150Z24	15.0	1175	4009	590	24.6	2.00	3600	900~4500	146	MBP	H	2
JFSB180Z24	18.0	1400	4777	700	29.2	2.00	3600	900~4500	146	MBP	H	2
R134a/R1234yf /R513A DC 48V												
JFSB116Z48	11.6	916	3125	436	9.1	2.10	3600	900~4500	146	MBP	H	2
JFSB150Z48	15.0	1175	4009	560	11.7	2.10	3600	900~4500	146	MBP	H	2
JFSB180Z48	18.0	1400	4777	665	13.9	2.10	3600	900~4500	146	MBP	H	2
R404A/R448A/R449A/455A DC 48V												
JHSD116Z48	11.6	1535	5237	930	19.5	1.65	3600	1800~4500	150	MBP	H	2
	11.6	880	3003	770	16.0	1.14				LBP		
KXSD300Z48	30.0	3900	13307	2300	48.0	1.70	3600	900~5400	340	MBP	V	2
	30.0	2250	7677	1875	39.0	1.20				LBP		
KHSD300Z48	30.0	3900	133007	2300	48.0	1.70	3600	900~5400	166	MBP	H	2
	30.0	2250	7677	1875	39.0	1.20				LBP		
R410A/R32 DC48V												
JHSN116Z48	11.6	2250	7677	1185	25.0	1.90	3600	1800~4800	150	MBP	H	2
		1035	3531	1078	23.0	0.96				LBP		
R404A/R448A/R449A/455A DC 144V												
JHSD116Z144	11.6	1600	5459	889	6.2	1.80	3600	1800~4500	150	MBP	H	2
		915	3122	740	5.2	1.25				LBP		
JHSD150Z144	15.0	2070	7063	1150	8.0	1.80	3600	1800~4500	150	MBP	H	2
		1180	4026	945	6.0	1.25				LBP		

Variable-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Speed Range (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R404A/R448A/R449A/455A DC 312V												
JXSD150Z312	15.0	2070	7063	1150	3.8	1.80	3600	1800~4800	300	MBP	V	2
		1180	4026	945	3.1	1.25				LBP		
JHSD150Z312	15.0	2070	7063	1150	3.8	1.80	3600	1800~4800	150	MBP	H	2
		1180	4026	945	3.1	1.25				LBP		
KXSD203Z312	20.3	2800	9554	1550	5.0	1.80	3600	1800~4800	350	MBP	V	2
		1590	5425	1270	4.1	1.25				LBP		
KHSD203Z312	20.3	2800	9554	1550	5.0	1.80	3600	1800~4800	180	MBP	H	2
		1590	5425	1270	4.1	1.25				LBP		
KXSD300Z312	30.0	3900	13307	2300	7.4	1.70	3600	1800~4800	350	MBP	V	2
		2250	7677	1890	6.1	1.20				LBP		
KHSD300Z312	30.0	3900	13307	2300	7.4	1.70	3600	1800~4800	180	MBP	H	2
		2250	7677	1890	6.1	1.20				LBP		
TXSD456Z312	45.6	5700	19448	3560	11.2	1.60	3600	1800~4800	450	MBP	V	2
		3200	10918	2900	9.2	1.10				LBP		
THSD456Z312	45.6	5700	19448	3560	11.2	1.60	3600	1800~4800	200	MBP	H	2
		3200	10918	2900	9.2	1.10				LBP		
R404A/R448A/R449A/455A DC 312V												
JXSP150Z312	15.0	1800	6142	818	2.6	2.20	3600	1800~5400	243	MBP	V	2
		1000	3412	740	2.3	1.35				3600		
JHSP150Z312	15.0	1800	6142	818	2.6	2.20	3600	1800~5400	170	MBP	H	2
		1000	3412	740	2.3	1.35				3600		
KXSP203Z312	20.3	2430	8286	1130	3.6	2.15	3600	1800~5400	300	MBP	V	2
		1350	4603	1000	3.2	1.35				3600		
KHSP203Z312	20.3	2430	8286	1130	3.6	2.15	3600	1800~5400	185	MBP	H	2
		1350	4603	1000	3.2	1.35				3600		
KXSP300Z312	30.0	3500	11935	1750	5.6	2.00	3600	1800~4800	300	MBP	V	2
		1975	6479	1520	4.8	1.30				3600		
KHSP300Z312	30.0	3500	11935	1750	5.6	2.00	3600	1800~4800	185	MBP	H	2
		1975	6479	1520	4.8	1.30				3600		

Fixed-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R404A/R448A/R449A/R455A/R454C/R452A 1PH 220-240V~ 50Hz											
QXD-13K	13.5	1700	5800	850	3.9	2.00	2850	310	MBP	V	1
		820	2798	780	3.6	1.05					
QHD-13K	13.5	1700	5800	850	3.9	2.00	2850	185	MBP	H	1
		820	2798	780	3.6	1.05					
QXD-16K	16.4	2070	7063	1035	4.9	2.00	2850	310	MBP	V	1
		1000	3412	950	4.5	1.05					
QHD-16K	16.4	2070	7063	1035	4.9	2.00	2850	185	MBP	H	1
		1000	3412	950	4.5	1.05					
KXSD176KS	17.6	2220	7575	1140	5.3	1.94	2850	310	MBP	V	2
		1080	3685	1000	4.8	1.08					
KXSD203KS	20.3	2480	8462	1240	5.7	2.00	2850	345	MBP	H	2
		1200	4094	1060	4.8	1.13					
KHSD203KS	20.3	2480	8462	1240	5.7	2.00	2850	185	MBP	H	2
		1200	4094	1060	4.8	1.13					
QXD-23K	23.6	2780	9485	1545	7.3	1.80	2850	330	MBP	V	1
		1450	4947	1380	6.5	1.05					
QHD-23K	23.6	2780	9485	1545	7.3	1.80	2850	195	MBP	H	1
		1450	4947	1380	6.5	1.05					
QXD-30K	30.7	3200	10918	1883	8.7	1.70	2850	340	MBP	V	1
		1800	6142	1714	8.0	1.05					
QHD-30K	30.7	3200	10918	1883	8.7	1.70	2850	195	MBP	H	1
		1800	6142	1714	8.0	1.05					
THSD329KS	32.9	3400	11601	2000	9.3	1.70	2850	200	MBP	H	2
		1850	6312	1762	8.0	1.05					
QXD-36K	35.7	3720	12693	2190	10.3	1.70	2850	340	MBP	V	1
		2085	7114	1986	9.3	1.05					
QHD-36K	35.7	3720	12693	2190	10.3	1.70	2850	195	MBP	H	1
		2085	7114	1986	9.3	1.05					
TXSD456KS	45.6	4710	16071	2771	12.9	1.70	2850	435	MBP	V	2
		2530	8632	2400	11.4	1.05					
THSD456KS	45.6	4710	16071	2771	12.9	1.70	2850	200	MBP	H	2
		2530	8632	2400	11.4	1.05					

Fixed-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R404A/R448A/R449A/R455A/R454C/R452A 1PH 208-230V ~ 60Hz											
KXD135YS	13.5	2050	6995	1025	4.8	2.00	3460	310	MBP	V	1
		950	3241	905	4.3	1.05					
KHD135YS	13.5	2050	6995	1025	4.8	2.00	3460	185	MBP	H	1
		950	3241	905	4.3	1.05					
KXD164YS	16.4	2500	8530	1250	5.8	2.00	3460	310	MBP	V	1
		1230	4197	1130	5.3	1.08					
KHD164YS	16.4	2500	8530	1250	5.8	2.00	3460	185	MBP	H	1
		1230	4197	1130	5.3	1.08					
KXSD176YS	17.6	2550	8701	1315	6.1	1.94	3460	310	MBP	V	2
		1360	4640	1160	5.4	1.17					
KXSD203YS	20.3	2964	10113	1520	13.5	1.95	3460	345	MBP	V	2
		1625	5545	1300	12.2	1.25					
KHSD203YS	20.3	2888	9854	1520	13.5	1.90	3460	185	MBP	H	2
		1560	5523	1300	12.2	1.20					
SXD236YS	23.6	3350	11430	1862	8.6	1.80	3460	330	MBP	V	1
		1760	6005	1660	7.5	1.06					
SHD236YS	23.6	3350	11430	1862	8.6	1.80	3460	195	MBP	H	1
		1760	6005	1660	7.5	1.06					
TXD307YS	30.7	3775	12880	2221	10.0	1.70	3460	340	MBP	V	1
		2185	7455	1980	9.6	1.10					
THD307YS	30.7	3775	12880	2221	10.0	1.70	3460	195	MBP	H	1
		2185	7455	1980	9.6	1.10					
THSD329YS	32.9	4182	14269	2460	11.5	1.70	3460	195	MBP	H	1
		2205	7523	2100	10.1	1.05					
TXD357YS	35.7	4390	14979	2582	12.3	1.70	3460	340	MBP	V	1
		2540	8666	2300	11.0	1.10					
THD357YS	35.7	4390	14979	2582	12.3	1.70	3460	195	MBP	H	1
		2540	8666	2300	11.0	1.10					
TXSD456YS	45.6	5528	18862	3350	15.6	1.65	3460	435	MBP	V	2
		3000	10236	2857	13.3	1.05					
THSD456YS	45.6	5275	17998	3450	16.3	1.53	3460	200	MBP	H	2
		2900	9889	2750	13.0	1.05					

Fixed-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R404A&R448A&R449A&455A 1PH 115V～60Hz											
KXSD110TS	11.0	1600	5459	800	7.0	2.00	3460	330	MBP	V	2
		880	3003	704	6.3	1.25			LBP		
KHSD110TS	11.0	1565	5340	803	7.0	1.95	3460	180	MBP	H	2
		850	2900	708	6.5	1.20			LBP		
KXSD176TS	17.6	2575	8786	1288	11.5	2.00	3460	320	MBP	V	2
		1275	4350	927	8.3	1.25			LBP		
KHSD176TS	17.6	2520	8598	1292	11.5	1.95	3460	185	MBP	H	2
		1232	4204	1026	9.2	1.20			LBP		
KXSD203TS	20.3	2964	10113	1520	13.5	1.95	3460	345	MBP	V	2
		1625	5545	1300	12.2	1.25			LBP		
KHSD203TS	20.3	2888	9854	1520	13.5	1.90	3460	180	MBP	H	2
		1560	5323	1300	12.2	1.20			LBP		
R404A&R448A&R449A&455A 3PH 380V～60Hz											
TXD307F	30.7	4065	13870	2247	4.02	1.80	3460	330	MBP	V	1
		2137	7291	2040	3.65	1.05			LBP		
THD307F	30.7	4032	13757	2223	3.97	1.80	3460	195	MBP	H	1
		2107	7189	2035	3.64	1.04			LBP		
TXD357F	35.7	4727	16129	2613	4.67	1.80	3460	330	MBP	V	1
		2485	8479	2372	4.24	1.05			LBP		
THD357F	35.7	4689	15999	2585	4.62	1.80	3460	195	MBP	H	1
		2450	8359	2366	4.23	1.04			LBP		
TXSD456F	45.6	5445	18578	3105	5.55	1.75	3460	435	MBP	V	2
		2944	10045	2769	4.95	1.06			LBP		
THSD456F	45.6	5080	17333	3116	5.57	1.63	3460	200	MBP	H	2
		2795	9537	2657	4.75	1.05			LBP		
R404A&R448A&R449A&455A 3PH 220V～60Hz											
THD357I	35.7	4615	15746	2539	7.84	1.80	3460	180	MBP	H	1
		2455	8376	2186	6.75	1.12			LBP		

Fixed-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290 1PH 220-240V ~ 50Hz											
KHP164KS	16.4	1510	5152	735	3.4	2.05	2850	185	MBP	H	1
		905	3088	670	3.0	1.35			LBP		
KXSP176KS	17.6	1620	5527	790	3.7	2.05	2850	345	MBP	V	2
		970	3310	720	3.4	1.35			LBP		
KHSP176KS	17.6	1620	5527	790	3.7	2.05	2850	185	MBP	H	2
		970	3310	720	3.4	1.35			LBP		
KXSP203KS	20.3	1870	6380	912	4.3	2.05	2850	345	MBP	V	2
		1120	3821	830	3.9	1.35			LBP		
KHSP203KS	20.3	1870	6380	912	4.3	2.05	2850	185	MBP	H	2
		1120	3821	830	3.9	1.35			LBP		
SHP236KS	23.6	2240	7643	1092	5.2	2.05	2850	195	MBP	H	1
		1280	4367	964	4.7	1.33			LBP		
THSP329KS	32.9	3030	10338	1805	8.5	1.70	2850	200	MBP	H	2
		1734	5916	1460	6.9	1.19			LBP		
THSP456KS	45.6	4200	14330	2500	11.7	1.68	2850	200	MBP	H	2
		2490	8496	2075	9.5	1.20			LBP		
R290 1PH 115V ~ 60Hz											
KHSP203TS	20.3	2270	7745	1107	9.9	2.05	3460	185	MBP	H	2
		1345	4589	996	8.8	1.35			LBP		

Fixed-Speed Commercial Refrigeration Compressor



Model	Displacement (cc/rev)	Capacity (W)	Capacity (Btu/h)	Input Power (W)	Current (A)	COP (W/W)	Rated Speed (rpm)	Height (mm)	Test Conditions	Form	Number of Cylinders
R290 1PH 208-230V ~ 60Hz											
KHP164YS	16.4	1835	6261	895	4.2	2.05	3460	185	MBP	H	1
		1100	3753	810	3.8	1.36			LBP		
KHSP176YS	17.6	1965	6705	958	4.5	2.05	3460	185	MBP	H	2
		1175	4009	865	4.0	1.35			LBP		
KHSP203YS	20.3	2270	7745	1107	5.2	2.05	3460	185	MBP	H	2
		1345	4589	996	4.7	1.35			LBP		
SHP236YS	23.6	2720	9281	1327	6.2	2.05	3460	195	MBP	H	1
		1550	5289	1170	5.5	1.32			LBP		
THSP329YS	32.9	3679	12553	2164	10.4	1.70	3460	200	MBP	H	2
		2100	7165	1750	8.0	1.20			LBP		
THSP456YS	45.6	5043	17207	3000	14.0	1.68	3460	200	MBP	H	2
		2990	10202	2490	11.5	1.20			LBP		
R410A/R32 1PH 220-240V ~ 50Hz											
THSN329KS	32.9	5150	17572	2900	13.4	1.78	2850	190	MBP	H	2
		2535	8649	2585	12.2	0.98			LBP		