

Introduction

Description of QP Compressors

Zhengzhou Guchen industry Co., Ltd. as the distributor (OEM) of QP series compressors supplies original imported QP compressors and other original compressor spare parts for refrigeration units with competitive pricing.

The QP compressors are commonly used for the refrigeration industry and air conditioner industry. Especially the swash plate QP compressors are very suitable for the refrigeration units that adopt R404a refrigerant. When choose QP compressors for the R404a refrigerant, it will make refrigeration units has the advantages of below:

- ▲ Low failure rate
- ▲ Stable working performance
- ▲ Long-term service life
- ▲ Easy to install

So some of the world famous brands adopt QP compressors for their ac or refrigeration units, such as



- ▲ Thermo King: For example, their C-250e adopts QP13 compressor, C-350e adopts QP15 compressor, C-450e adopts QP16 compressor.



- ▲ Carrier Transicold: For example, their Viento 200 model's road compressor adopts QP13 compressor, Viento 300 R134a adopts QP15 compressor, Viento 300 R404a adopts QP13 compressor.



- ▲ Guchen Thermo: For example, Guchen Thermo's TR-200T adopts QP13 compressor, TR-300T adopts QP15 compressor, TR-300, TR-350, TR-450, TR-550 and TR-650 adopts QP16 compressor.

Not only Guchen Thermo transport refrigeration units use QP swash plate compressors, but also the Thermo King, Carrier Transcold adopts QP compressors for their transport refrigeration units. These customers are the largest makers of large compressors and they have chosen QP compressors to supply small engine driven compressors globally.

As for the swash plate compressor, its driveshaft is supported by two radial bearings and two thrust bearings. As the swash plate reciprocates through the rotation of the drive shaft, the pistons are driven back and forth.

Features of Swash Plate QP Compressors

- ◆ Popular direct mount and ear mount bodies.
- ◆ Suitable for a wide variety of system applications, especially designed for the refrigeration units.
- ◆ High working performance, excellent durability and reliability.
- ◆ Smooth, dual valve plate compression and discharge.
- ◆ Ball and Shoe design provides flexible movement, promoting better lubrication and extending compressor life.
- ◆ 3 Eye, 5 Eye, and Spring Leaf clutch options.
- ◆ Less noise, vibration, and harshness.

Models and Applications

The QP compressors are commonly used for the following MARKET APPLICATIONS:



Transportation Refrigeration

As transport refrigeration units, the compressors are the one of most important parts. Once compressor is broken or goes something small wrong, it will result in the whole transport refrigerating system stopping working. So choose a reliable compressor is very necessary for a long-term transport refrigeration unit's service life, and the QP compressors will give you this reliability, help you well in cold chain transportation.



Agriculture and Construction AC

There is something in the world that human beings cannot control, such as the Mother Nature. So a reliable, stable and useful compressor for your agriculture or construction equipment is one of factors that help you to finish your job on time efficiently!

Guchen's QP compressors can bring you solutions on your agriculture and construction air conditioners; it can stand by the extremely bad weather condition to give you a cool working environment!



Bus and Coach AC

Public transportation becomes a popular trend, and more people would like to take a bus with their Eco-friendly mind increasing. So a comfortable bus or coach condition is very important to appeal to more people. A high quality and reliable compressors can keep the bus ac units have a high working performance. Choose the QP compressor is your right selection!

Supply Models of QP Compressors

Guchen Thermo can supply swash plate compressors include in QP08, QP13, QP15, QP16, QP21, and QP31. Of which, the QP08-16 can be seen as the same series compressors, because they have similar specifications, and QP21 and QP31 can be seen as the same series.

In Guchen Thermo's refrigeration units, we have the following models to adopt QP compressors:

- ▲ QP13: TR-200T
- ▲ QP15: TR-300T
- ▲ QP16: TR-300, TR-350, TR-450, TR-550, and TR-650

Choose the Compressor That's Right for You

Of course, customers can choose other compressors according to their demands, and we just give the standard, but the final choose is up on you.



QP08



QP13



QP15



QP16



QP21



QP31

Technical Data

Model	Cubic Centimeters	Mounting	Coil	Pulley Diameter	Armature	Fitting
QP08	80	Alternator, Ear	12V, 24V	119, 125, 132	RDA 3, Spring Leaf	1 x 14, ¾ x 7/8, Flare, Pad, Pad Suct Screen
QP13	130	Ear	12V, 24V, 44.2E, 47	119, 125, 126, 132, 159, ¾ x 7/8	LST, RDA 3, Spring Leaf	1 x 14, ¾ x 7/8, ¾ x 7/8 SS, Flare, Pad, Pad Suct Screen, V
QP15	146	Direct, Direct HDM/FDM, Ear	12V, 24V	119, 125, 126, 132, 138, 152, 159	Dust Cover, Leaf Spring, LST, RDA3, Spring Leaf	1 x 14, 1 x 14 Long, ¾ x 7/8, ¾ x 7/8 SS, Flare, Pad, Pad Suct Screen
QP16	160	Direct ADM/LDM, Ear	12V, 24V	119, 125, 126, 132, 138, 152, 159	Dust Cover, LST, RDA3, Spring Leaf	1 x 14, ¾ x 7/8, ¾ x 7/8 SS, Pad, Pad Suct Screen
QP21	210	Direct ADM/LDM	12V, 24V, 54.6E	127, 135.54, 137, 141, 145, 149, 150, 152, ¾ x 7/8	LST, RDA3, Spring Leaf	¾ x 7/8, Flare, Pad, Pad Suct Screen, V
QP31	310	Direct	12V, 24V	137, 143, 152, 158, 185/152	RDA3, RDA5	1 1/16 x 7/8, 1 1/16 x 7/8 UNF, M27-22, Pad

Guarantee

Why Choose Guchen Thermo?

- ◆ Guchen Thermo are the Original Equipment Manufacturer of QP Compressors in China, has the competitive prices but same quality as the Original.
- ◆ Advanced technology and engineering capabilities for designing the customized compressors to meet different demands.
- ◆ Guchen Thermo is very experienced in exporting products, and can offer customers best service.
- ◆ Guchen Thermo has over 20 years' experience in compressors for lots of our customers who are in the business of vehicle spare parts and refrigeration units.



What Guchen Thermo can guarantee?

- ◆ 7 years after sales service
- ◆ 7*24H after sales online or offline chatting help.
- ◆ All of the QP compressors from Guchen Thermo has a high quality.