PERMANENT MAGNET VARIABLE FREQUENCY SCREW COMPRESSOR

The permanent magnet synchronizing variable frequency compressor is a competitive product among the high-grade machines.

PM motor has 2~7% higher working efficiency than three-phase asynchronous motor. No matter in underloading or overloading conditions, PM compressors keep high working efficiency while three-phase asynchronous motor will have fluctuant efficiency according to the loading conditions. Therefore, compressors with PM motor will save 8% to 30% energy than those with three-phase asynchronous motor.

Specialized PM motor has power factor large than 0.95, even close to 1 in some models. Moreover, PM compressors are installed with frequency converter to realize variable frequency starting and decrease the impact to compressor unit and power grid during starting, so as to save operation costs.

![Image of compressor](image)

### SPECIFICATIONS (FOR PM COMPRESSOR)

<table>
<thead>
<tr>
<th>Model</th>
<th>Working Pressure</th>
<th>Air Delivery</th>
<th>Motor Power</th>
<th>Dimension(mm)</th>
<th>Weight(kg)</th>
<th>Output Pipe Diameter</th>
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Certification: CE/ISO9001/TUV/SGS/ASME
Voltage: 110V~660V 50Hz/60Hz 3Ph available.