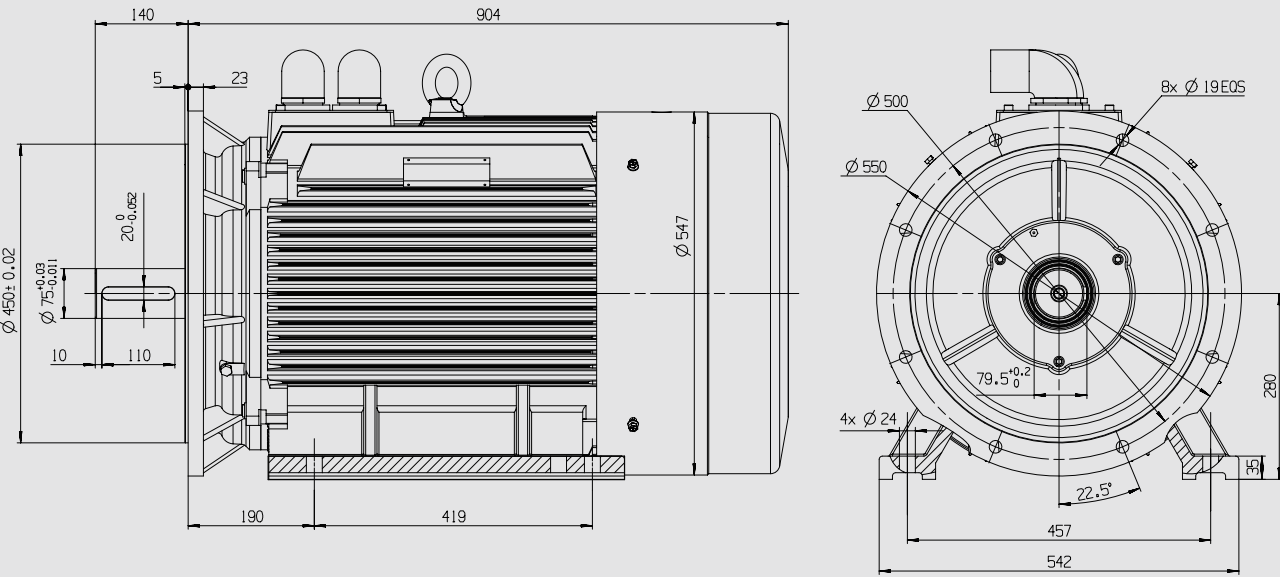


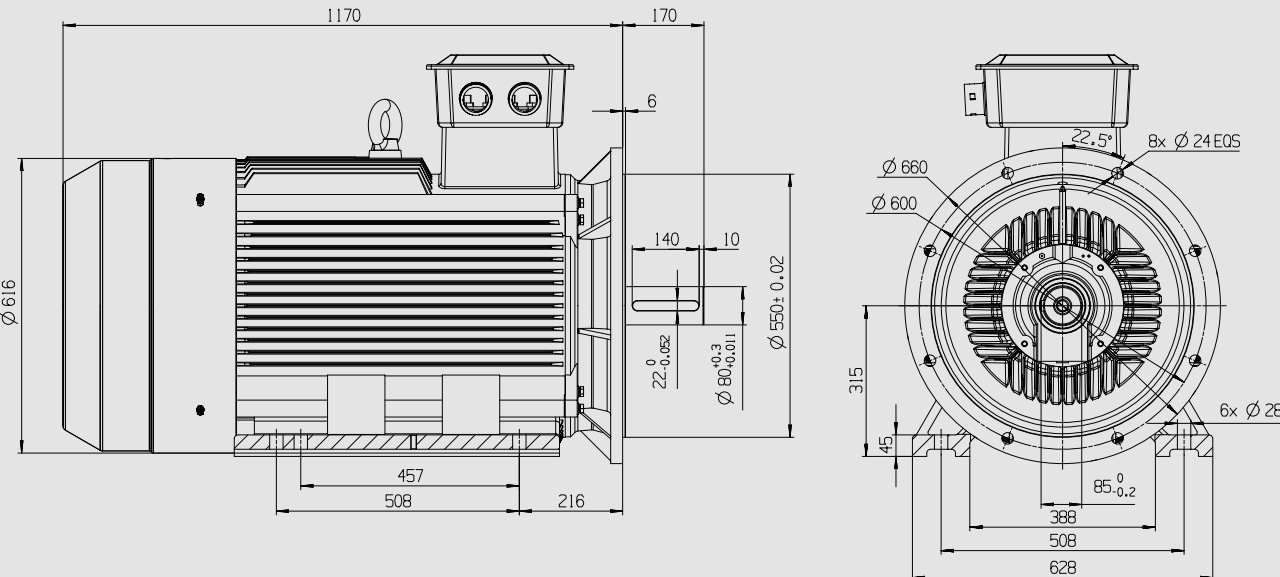
HPK280 Motor Parameters

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(Kw)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Efficiency η(%)	Service Factor	Pole Number
HPK280-110-1500	700	180	3.9	110	1500	125	96.8	1.3	10
HPK280-132-1500	840	226	3.7	132	1500	125	97.4	1.3	10
HPK280-160-1500	1019	279	3.7	160	1500	125	97.5	1.3	10
HPK280-160-3000	509	268	1.9	160	3000	200	96.3	1.2	8



HPK315 Motor Parameters

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(Kw)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Efficiency η(%)	Service Factor	Pole Number
HPK315-185-1500	1178	320	3.7	185	1500	100	96.7	1.3	8
HPK315-200-1500	1273	338	3.8	200	1500	100	97.3	1.3	8
HPK315-220-1500	1401	376	3.7	220	1500	100	97.5	1.3	8
HPK315-250-1500	1592	415	3.8	250	1500	100	98	1.3	8
HPK315-200-3000	637	336	1.9	200	3000	200	96.7	1.2	8
HPK315-250-3000	796	413	1.9	250	3000	200	96.8	1.2	8



NINGBO HAITIAN DRIVE
SYSTEMS CO., LTD.

NINGBO HAITIAN DRIVE
TECHNOLOGY CO., LTD.

ADD: No.518, Xiaojiajiang Middle Road, Beilun District,
Zhejiang, China, 315801
TEL: 0574-86181773
FAX: 0574-86185809
E-mail: sales@stfgroup.com.cn
WEB: <https://stfhydraulic.en.alibaba.com>

2024V06



IPM Permanent Magnet Motor

HPK Series

2024

IPM Permanent Magnet Motor

HPK Series

Company Profile

Ningbo Haitian Drive Co., Ltd. is one of the six pillar industries of Haitian Group. Relying on the platform advantages of Haitian Group, our products cover the fields of servo control systems (servo motors, servo drives, controllers), hydraulic transmission (hydraulic motors, hydraulic pumps, hydraulic valves, hydraulic systems), and automation (functional components such as servo robotic arms, robots, magnetic templates, linear guide pairs, etc.). Haitian Drive closely focuses on the transformation and upgrading of the manufacturing industry and the demand for electrification of non road mobile machinery, fully leveraging the integrated advantages of complete products and independent research and development and manufacturing, providing partners with efficient, energy-saving, and precise core components and electromechanical hydraulic integrated solutions.



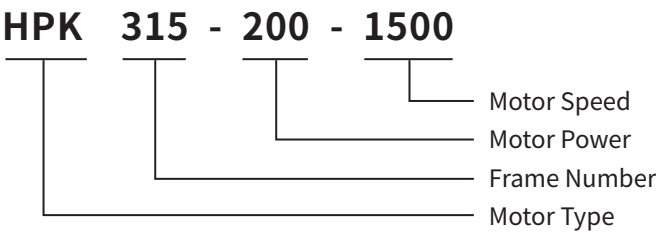
Product Introduction

The new generation of high-efficiency permanent magnet motors for air compressors provide continuous, stable, and efficient power output for various types of compressor equipment. This product uses third-generation ultra-high performance rare earth permanent magnet materials, combined with the latest multi physics field coupling optimization technology, to comprehensively optimize the heat dissipation and loss of the product, improve comprehensive indicators, reduce temperature rise, and maximize the conversion efficiency from electrical energy to mechanical energy. The continuous refinement design enables the entire series of products to achieve IE5 performance level, and the models and power range can cover the vast majority of user needs.

Product Advantages

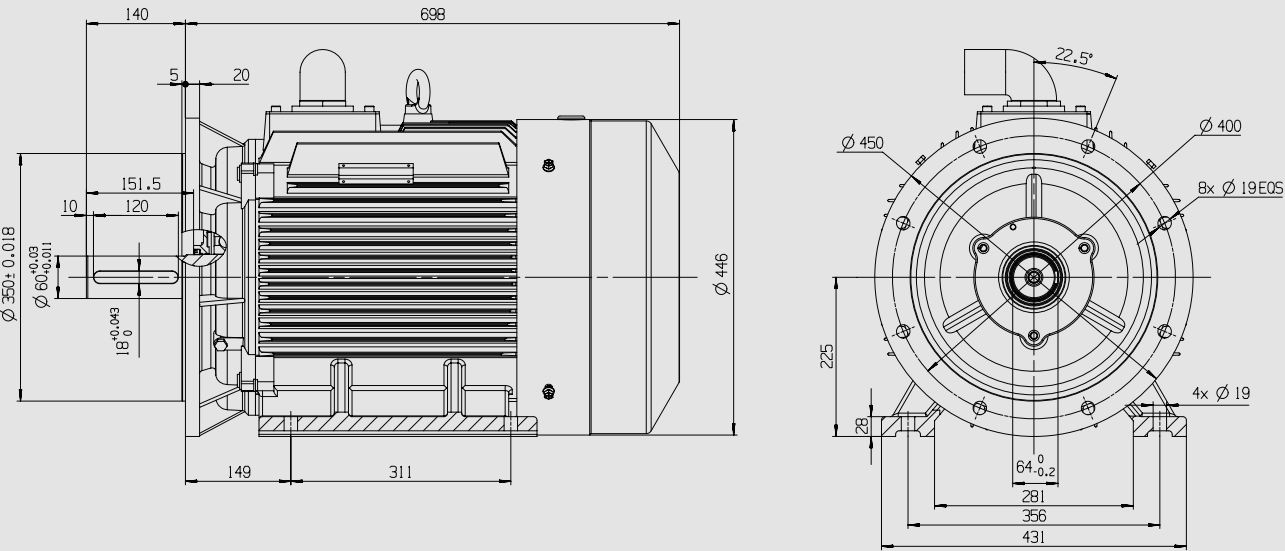
- Specially designed for air compressor applications, with high motor rigidity and strong seismic resistance.
- Adopting the second-generation embedded structure design to reduce rotor eddy currents and lower rotor temperature.
- Adopting high-grade rare earth permanent magnet materials with extremely high anti demagnetization ability, improving the reliability of high-speed operation of the motor.
- Adopting a universal base number for asynchronous motors, with strong interchangeability.
- For typical operating conditions of air compressors, it meets the first level energy efficiency standard (IE5) at 30%, 50%, and 70% rated speeds, and has a first level energy efficiency label.
- The performance coverage is wide, which can meet the needs of the majority of air compressor motors, and can be customized according to the special requirements of users (both structure and performance can be customized).

Model Naming Rule



HPK225 Motor Parameters

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(Kw)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Efficiency η(%)	Service Factor	Pole Number
HPK225-55-1500	350	90	3.9	55	1500	150	96.5	1.3	12
HPK225-75-1500	478	122	3.9	75	1500	150	96.8	1.3	12
HPK225-90-1500	573	146	3.9	90	1500	150	97.2	1.3	12
HPK225-55-3000	175	94	1.9	55	3000	200	96.5	1.2	8
HPK225-75-3000	239	128	1.9	75	3000	200	96.6	1.2	8
HPK225-90-3000	287	154	1.9	90	3000	200	97.1	1.2	8



HPK250 Motor Parameters

Model	Rated Torque Tn(Nm)	Rated Current In(A)	KT (Nm/A)	Rated Power Pn(Kw)	Rated Speed n(rpm)	Rated Frequency f(Hz)	Efficiency η(%)	Service Factor	Pole Number
HPK250-55-1500	350	93	3.8	55	1500	150	96	1.3	12
HPK250-75-1500	478	127	3.8	75	1500	150	96	1.3	12
HPK250-90-1500	573	157	3.6	90	1500	150	96.4	1.3	12
HPK250-90-3000	287	160	1.8	90	3000	300	96.7	1.2	12
HPK250-110-3000	350	200	1.8	110	3000	300	96.3	1.2	12
HPK250-132-3000	420	225	1.9	132	3000	300	96.5	1.2	12

