



MP Series

**PERMANENT MAGNET
VSD AIR COMPRESSOR**

AUGUST

Compressors

COMPRESSOR TECHNOLOGY FROM GERMANY

HIGH EFFICIENT • ENERGY SAVING • RELIABLE • DURABLE



MP55-MP160



MP37-MP45



MP7.5-MP30





ISO 9001:2000



ISO 14001:2004



CE Certificate

Ningbo xinda screw compressor Co., Ltd. is a modern screw compressor specialized production enterprise, which has the core technology of screw air compressor, has full independent intellectual property rights, and by the strict review licensing screw air compressor manufacturing base. The factory covers an area of 200,000 square meters, a building area of 120,000 square meters and a total staff of more than 1,300, among which more than 300 professional and technical personnel.



Ningbo xinda screw compressor Co., Ltd. has a strong R&D team, professional to explore efficient compressed air system of perfect and solution, constantly optimize the product performance and manufacturing process technology. Company relying on the powerful research and development strength, advanced production equipment and perfect quality control system.



High efficiency type line



Screw process by KLINGELNBERG



Top professional testing room

PERMANENT MAGNET VSD AIR COMPRESSOR (MP Series) THE BEST ENERGY SAVING AIR COMPRESSOR TECHNOLOGY

MP INVERTER SOFT START PM MOTOR IP54

- Energy saving 35% - 50%
- Inverter control main motor & cooling motor
- PM motor IP54
- Direct driven with coupling element
- Touchscreen monitoring
- WIFI module control



WIFI module control



PERMANENT MAGNET VSD AIR COMPRESSOR

PERMANENT MAGNET MOTOR

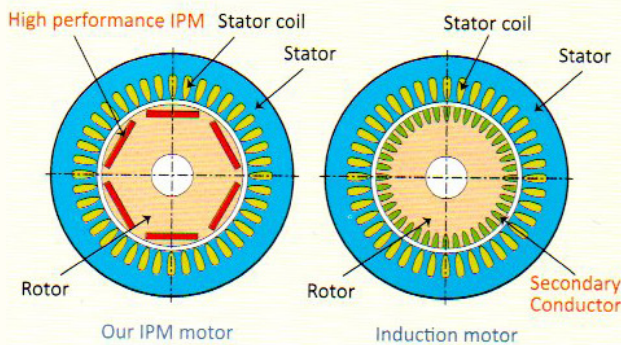
- Energy saving 3% - 5% more than normal motor
- Protection grade IP54
- Gearless box with coupling element
- High temperature magnetic steel UH 180 C°



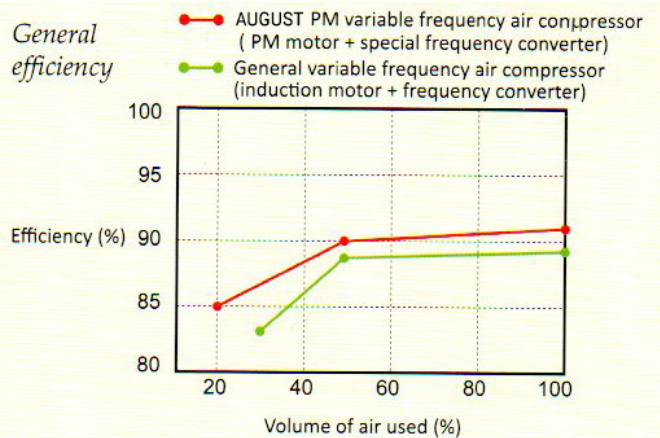
PERMANENT MAGNET MOTOR (PM)

PM Motor, which is a standard equipment, provide much higher efficiency than that of regular and/or high efficient induction motors and meets IE3 Standard. Meanwhile, by using high efficient frequency converter, it achieves better energy saving effect than the old ones. Since the bearing temperature of PM motor is relatively low, its lubricating grease serves a longer time while the workload of motor maintenance also reduced.

Comparison of structures of PM motor and induction motor



General efficiency

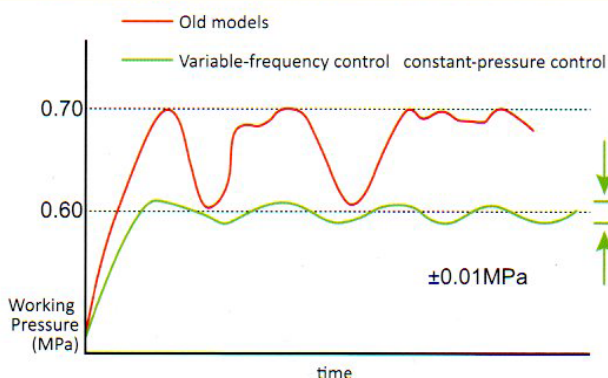


- Real time monitoring of discharge temperature, discharge pressure, current, frequency fluctuation
- WIFI module control
- Dual variable frequency system PM motor + Cooling motor, one-piece integrated structure, extreme saving 35%-45% (Up to air consumption)
- Large frequency range 30%-100% and more energy saving



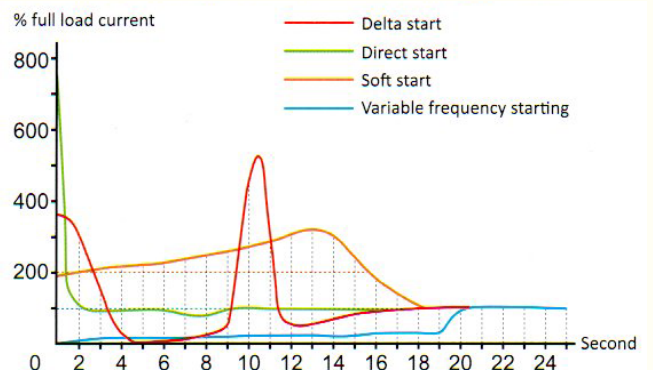
INVERTER Variable - frequency controlling

Realize energy saving with constant pressure control



Soft start of frequency converter reduces starting current

Realize energy saving with constant pressure control



TECHNICAL SPECIFICATIONS

Type	Power (KW/HP)	Discharge pressure (Bar)	Free Air Delivery (m ³ /min)	Weight (kg)	Dimension L x W x H(mm)	Air Supply (inch)
MP 7.5A	7.5/10	7	0.36-1.23	260	1100 x 600 x 880	1/2"
MP 7.5B		10	0.30-1.0			
MP 7.5D		8	0.33-1.1			
MP 11A	11/15	7	0.53-1.9	360	1200 x 750 x 1080	1"
MP 11B		10	0.48-1.6			
MP 11D		8	0.52-1.8			
MP 15A	15/20	7	0.73-2.6	380	1200 x 750 x 1080	1"
MP 15B		10	0.63-2.15			
MP 15D		8	0.72-2.41			
MP 18.5A	18.5/25	7	0.89-3.2	430	1460 x 860 x 1300	1-1/4"
MP 18.5B		10	0.78-2.6			
MP 18.5D		8	0.88-2.95			
MP 22A	22/30	7	1.03-3.7	450	1460 x 860 x 1300	1-1/4"
MP 22B		10	0.93-3.1			
MP 22D		8	1.02-3.5			
MP 30A	30/40	7	1.38-5.2	480	1460 x 860 x 1300	1-1/2"
MP 30B		0	1.23-4.3			
MP 30D		8	1.35-4.9			
MP 30E		5	1.86-6.2	930	1730 x 910 x 1680	
MP 37A	37/50	7	1.86-6.7	930	1730 x 910 x 1680	1-1/2"
MP 37B		10	1.71-5.7			
MP 37D		8	1.83-6.3			
MP 37E		5	2.25-7.5	950		
MP 45A	45/60	7	2.16-7.8	950	1730 x 910 x 1680	1-1/2"
MP 45B		10	1.95-6.8			
MP 45D		8	2.13-7.5			
MP 45E		5	3.15-10.5	1900	2000 x 1200 x 1800	
MP 55A	55/75	7	3.0-10.5	1900	2000 x 1200 x 1800	2"
MP 55B		10	2.52-8.4			
MP 55D		8	2.82-9.8			
MP 55E		5	4.05-13.5	2000		
MP 75A	75/100	7	4.26-13.5	2000	2000 x 1200 x 1800	2"
MP 75B		10	3.64-11.5			
MP 75D		8	4.02-12.4			
MP 90A	90/122	7	4.95-16.5	2200	2500 x 1400 x 1930	2-1/2"
MP 90B		10	4.11-13.7			
MP 90D		8	4.86-16.2			
MP 90E		5	6.0-20.0	2400		
MP 110A	110/150	7	6.0-20.0	2500	2500 x 1400 x 1930	2-1/2"
MP 110B		10	5.1-17.0			
MP 110D		8	5.88-19.6			
MP 132A	132/180	7	7.05-23.5	2600	2500 x 1400 x 1930	2-1/2"
MP 132B		10	6.15-20.5			
MP 132D		8	6.75-22.5			
MP 160A	160/215	7	8.55-28.5	3500	2700 x 1600 x 2000	2-1/2"
MP 160B		10	7.35-24.5			
MP 160D		8	8.1-27.0			

Due to improvement for excellence, the specification subject to change without notice in advance. Free air delivery standard in GB/T3853-eqr-ISO 1217