

CPM Oil-cooled Permanent Magnetic Variable Speed Screw Air Compressors

Features :

- ▶ New generation of efficient airend, better performance.
- ▶ IE5 high efficiency oil-cooled permanent magnet synchronous motor is the guarantee of energy saving, higher efficiency than ordinary motors.
- ▶ Customized integrated energy-saving inverter, accurate pressure control, fast response.
- ▶ 7-inch color touch screen, intelligent microcomputer control, visible energy saving, automatic adjustment for variable speed control of the air.
- ▶ Remote-controlled function.



CPM MODEL		CPM08A-*	CPM11A-*	CPM15A-*	CPM18A-*	CPM22A-*	CPM30A-*	CPM37A-*	CPM55A-*	CPM75A-*	
Discharge Pressure	0.7MPa	m ³ /min	0.44~1.10	0.73~1.82	1.02~2.55	1.32~3.30	1.60~4.00	2.16~5.40	2.68~6.70	4.28~10.70	5.52~13.80
	0.8MPa	m ³ /min	0.41~1.02	0.69~1.72	0.96~2.40	1.20~3.00	1.52~3.80	2.08~5.20	2.52~6.30	3.84~9.60	5.20~13.00
	1.0MPa	m ³ /min	0.38~0.95	0.60~1.50	0.82~2.05	1.02~2.55	1.36~3.40	1.84~4.60	2.30~5.75	3.52~8.80	4.68~11.70
	1.25MPa	m ³ /min	0.33~0.83	0.56~1.40	0.74~1.85	0.92~2.30	1.20~3.00	1.62~4.05	2.02~5.05	3.24~8.10	4.10~10.25
Power	kW	7.5	11	15	18.5	22	30	37	55	75	
Starting Method	Type	IP65/IE5 PM Motor +Inverter									
Voltage/Frequency	V/Hz	380/415/440V、50Hz									
Rear cooler outlet temperature	°C	≤Ambient temperature+15°C									
Transmisson Method		Coaxial Direct Transmission									
Discharge Pipe Diameter	in.	G3/4	G3/4	G3/4	G1	G1	G1-1/4	G1-1/4	G2	G2	
Length	mm	680	680	680	780	780	920	920	1160	1160	
Width	mm	680	680	680	780	780	840	840	1440	1440	
Height	mm	1220	1240	1240	1300	1300	1422	1422	2050	2050	
Weight	kg	245	260	270	300	320	425	450	1870	2000	

Remarks:

1. The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa show as 7/8/10/12.
2. Specific voltage(220V)、Specific frequency(60Hz) can be customized.
3. Specific pressure(0.5~1.6MPa) can be customized.




New Generation Airend

Airend(EU-COMP) minimizes the backflow of the compressed air, and optimizes the rotor molded lines to realize higher overall efficiency. Large rotor and low speed design, less vibration, less noise and longer service life. High precision bearings and high quality shaft seals, reliable use, long service life, ensure no leakage, the service life of the bearing can be up to 60,000 hours.



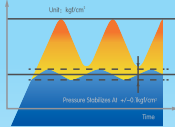
Oil-cooled Permanent Magnet Synchronous Motor

Driven by IE5/IP65 high efficient oil-cooled permanent magnet synchronous motor, the frequency conversion adjustment is more accurate, the magnetic steel grade is 48S-HT/48UH, the spiral cooling oil channel makes cooling uniform, no degaussing phenomenon under the ultimate temperature operating condition, long s service life and reliable energy-saving effect.



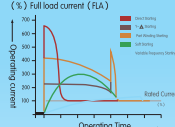
Intelligent Color Screen Control System

Intelligent color screen design, including the current monitoring data display of the main motor and fan motor, and other multi-point control mode, easy to control, with a good human computer interaction interface experience.



Constant Pressure Air Supply

Frequency converting control can instantly reflect the change of air volume, the fluctuation of air supply pressure is stable below 0.1kgf/cm², of air supply pressure is stable below 0.1kgf/cm², and there is no required setting of 1-2kgf/cm² pressure difference between empty and load, can greatly save electricity.



Variable Frequency Starting

Variable frequency starting, smooth linear operation, no high current of traditional direct start or star triangle start. Reduce the impact on the line and electrical, greatly extend the service life of the electromagnetic contactor, motor and airend.