

# 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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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.



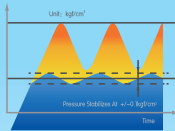
**Oil-cooled Permanent Magnet Synchronous Motor**

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 service life and reliable energy-saving effect.



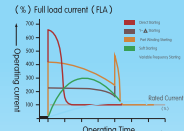
**Intelligent Color Screen Control System**

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/cm<sup>2</sup>, of air supply pressure is stable below 0.1kgf/cm<sup>2</sup>, and there is no required setting of 1-2kgf/cm<sup>2</sup> 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.

# CSD REFRIGRATED AIR DRYER

## CSD SERIES OF HIGH TEMPERATURE AIR-COOLED

### Working Conditions

- ▶ Incoming air pressure: 0.2–1.0MPa
- ▶ Pressure loss:  $\leq 0.025$ MPa
- ▶ Pressure dewpoint: 2–10°C
- ▶ Incoming air temperature:  $\leq 80$ °C
- ▶ Ambient temperature:  $\leq 40$ °C
- ▶ Environment of installation: well–ventilated and dust–free place
- ▶ Assembling lieu: space is neat , don't need foundation , 80 centimeters of distance wall surface
- ▶ Special specification can be requested



### THE SPECIFICATION OF CSD SERIES OF HIGH TEMPERATURE AIR-COOLED

CSD MODEL	Flow (Nm <sup>3</sup> /min)	Power	Compressor piwer(kW)	Fan Motor (w)	Refrigerant	Pipe Diameter	External Dimension L*W*H(mm)	Weight (kg)
CSD-15AH	1.8	1 Ph/220V/50Hz	0.39	160	R410A	R1	760X430X950	94.5
CSD-20AH	2.4	1 Ph/220V/50Hz	0.915	170	R410A	R1	760X430X950	99
CSD-30AH	3.8	1 Ph/220V/50Hz	0.915	170	R410A	R1-1/2	760X430X950	103
CSD-40AH	5.2	1 Ph/220V/50Hz	1.32	210	R410A	R1-1/2	900X550X1070	170
CSD-50AH	6.5	1 Ph/220V/50Hz	1.57	210	R410A	R1-1/2	900X550X1070	197
CSD-60AH	8.5	1 Ph/220V/50Hz	1.77	240	R410A	R2	940X550X1190	290
CSD-75AH	11.7	1 Ph/220V/50Hz	1.94	300	R410A	R2	1100X600X1320	380
CSD-100AH	13	1 Ph/220V/50Hz	2.57	420	R410A	R2	1300X620X1275	380
CSD-125AH	17	3Ph/380V/50Hz	2.94	600	R410A	PN1.0DN80 Flange	1550X650X1400	470

Remarks:

1. Specific voltage , Specific frequency can be customized.

# CSF COMPRESSED AIR FILTER

## THE GRADE OF CSF SERIES OF COMPRESSED AIR FILTER

- ▶ C Type, Main Pipeline Filter : 3 micron, 5 ppm W/W
- ▶ T Type, Air Pipeline Filter : 1 micron, 1 ppm W/W
- ▶ A Type, High Efficiency Eliminates Oil Filter : 0,01 micron, 0,01 ppm W/W
- ▶ F Type, Super High Efficiency Eliminates Oil Filter : 0,01 micron, 0,001 ppm W/W
- ▶ H Type, Activated Carbon-oil Mis Filter : 0,01 micron, 0,003 ppm W/W



### THE SPECIFICATION OF CSF SERIES OF COMPRESSED AIR FILTER

CSF MODEL	Flow (Nm <sup>3</sup> /min)	Pipe Diameter	L*W (mm)	Filter Element	Element (kg)	External Dimensions (mm)
CSF-010(Grade)	1.0	ZG 1" Female	240x95	1	4	
CSF-018(Grade)	1.8	ZG 1" Female	240x95	1	4.5	
CSF-024(Grade)	2.4	ZG 1" Female	240x95	1	5	
CSF-038(Grade)	3.8	ZG 1 1/2" Female	310x130	1	6	
CSF-052(Grade)	5.2	ZG 1 1/2" Female	395x130	1	7	
CSF-065(Grade)	6.5	ZG 1 1/2" Female	395x130	1	8	
CSF-085(Grade)	8.5	ZG 2" Female	395x130	1	8	
CSF-117(Grade)	11.7	ZG 2" Female	500x170	1	8	
CSF-130(Grade)	13	ZG 2" Female	500x170	1	15	
CSF-170(Grade)	17	DN80FL	1080x320	1	66	

Filter Working pressure 0.2-1.0MPa, more than 1.0MPa, when ordering please annotated to indicate.  
Automatic drainer (-D), pressure difference monitors(-G) is optional

For further information, Please contact your nearest sales representative