

Brushless Motor & Electronic Control

One-Stop Solution Service

Jiangsu Hoprio Electronic Technology Co., Ltd

Add: No.19 Mahang South Road ,Wujin High-tech District ,Changzhou City ,Jiangsu Province ,China 213100

Web: www.hoprio.com

E-mail: sales02@hoprio.com



HONOR

HONORARY CERTIFICATE



PROFILE

COMPANY PROFILE

JIANGSU HOPRIO ELECTRONIC TECH CO., LTD., Subordinate to Hoprio holding group, Is a private science and technology enterprise that early developed, produced and sold high-voltage brushless motor and frequency conversion controller in China. It integrates R&D and production, technical service and brand operation of brushless motor, high-voltage frequency conversion controller and complete solution output of power system.

Headquartered in Wujin High-Tech Zone, Changzhou City, Jiangsu Province China, The company has more than 100 R&D personnel, all of whom are elites with many years of R & D experience in the field of brushless motor, controller and applied intelligent electronics. After years of painstaking research and continuous investment, Jiangsu Hoprio Electronic Tech Co., Ltd. has conquered the frequency conversion control technology of brushless motor, especially the leading international advantage in the underlying algorithm of core program control, and has more than 100 software and hardware patents. Now a full range of brushless motor and frequency conversion control system have been successfully applied to the fields of electric tools, industrial control, water pump industry, household appliance industry and so on, and is committed to creating the frequency conversion industry ecosystem, The great vision of taking care of the blue earth!

MISSION: China variable frequency drive world progress!



PARTNERS

PARTNERS



CORE TECH

CONTROLLER

ELECTRIC CONTROL

No Hall Sensor

Core algorithm

No large capacitance

Generator power supply support



Ultra wide voltage range

No PFC correction circuit

Torque start

■ Autonomous core algorithm at the bottom of the system

The bottom layer is designed independently, which can be adjusted according to the characteristics of the industry.

The core bottom layer software algorithm protection + single tube IGBT guarantee is 3 %

Reliability and comprehensive efficiency of more than 85%.

■ No PFC correction circuit

With PFC power factor correction function, the problem of grid side input power quality regulation is solved, and the system stability and grid side power quality are improved. Quantity, suitable for extending cable work.

■ Unique technology without large capacitance

Break through the technical bottleneck of brushless motor and electrolytic capacitor motor drive control system, with no power on delay and smaller volume.

■ No Hall Sensor , high power IGBT

Product performance - consistency is more guaranteed. Abandon IPM module and adopt high-power single tube IGBT core technology.

CORE TECH

MOTOR

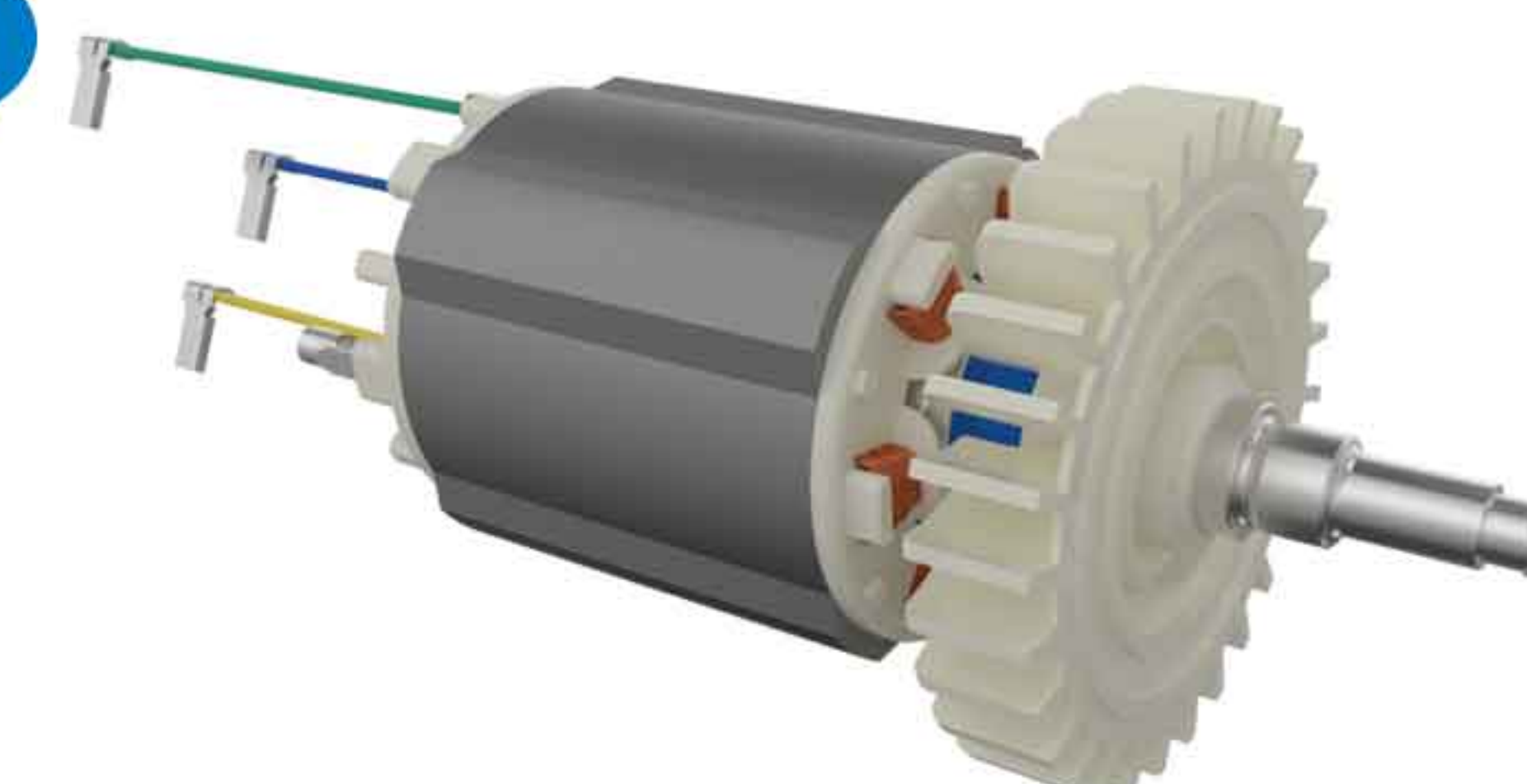
THE MOTOR

Magnetic circuit design

Small Size

High Speed

High efficiency



Long lifetime

Maintenance free

Simulation design

■ Small size: Under the same power, the frequency conversion brushless technology can make the motor smaller.

■ More efficient: Brushless motor, higher efficiency platform (efficiency > 85%), low output power under the same output power, saving electric energy.

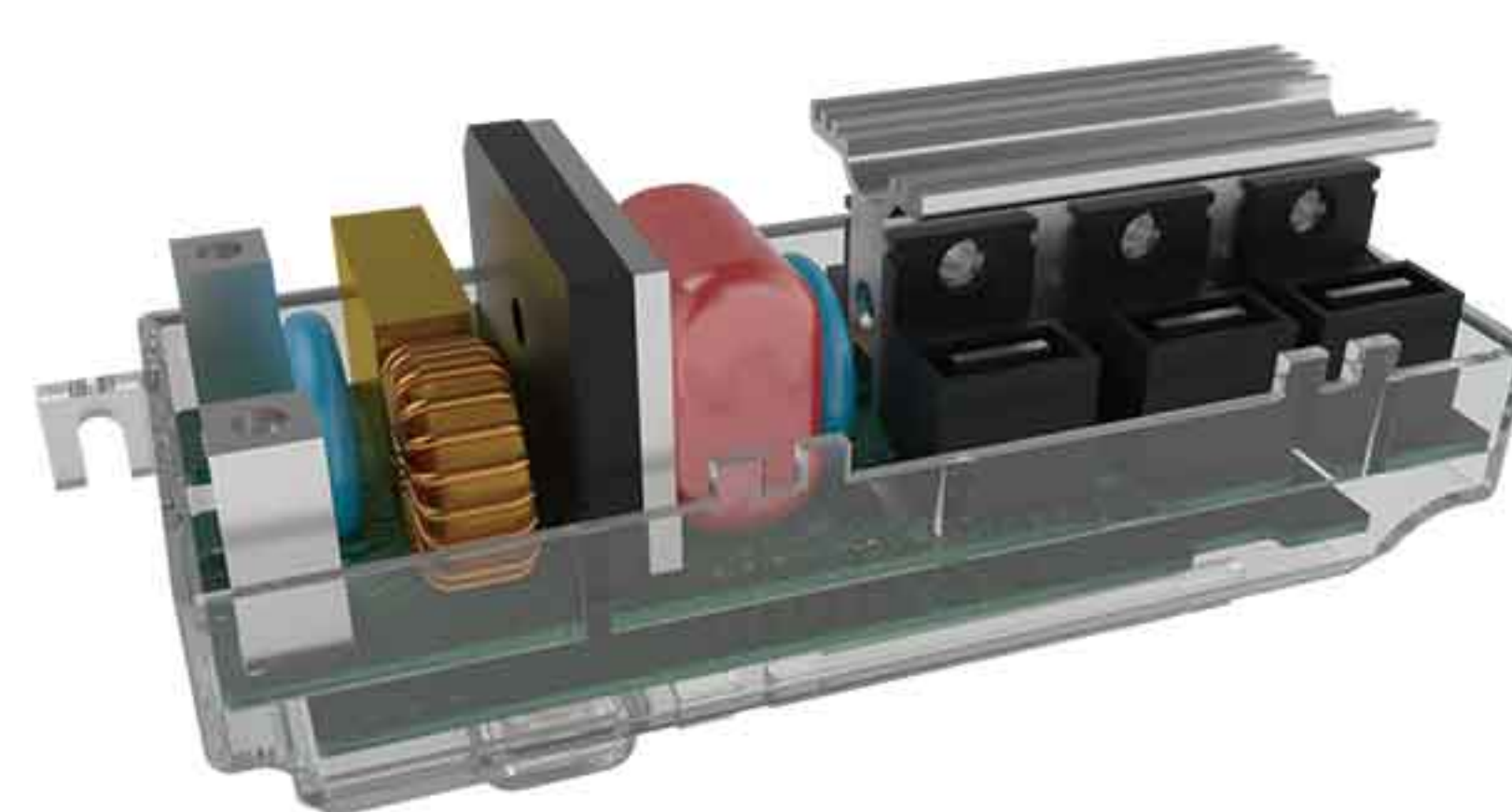
■ Long service life: Under the same power, brushless motor has long service life and low maintenance.

■ Constant speed function: Using frequency conversion technology, the motor can realize constant speed function

at any set speed and realize low-speed and high-power output.



43 Series Motro



7A Controller

43 Series Motor

Product model : HPBL4345

Working voltage: 310VDC

Recommended stack height: 20-70mm

Recommended rated speed: 20000 ~ 30000 rpm

Recommended rated input power: 400 ~ 1500W

Short time maximum load: 1.5 times rated power

Working mode: forced air cooling and

heat dissipation, continuous working mode

Overall dimension of motor: outer diameter

and height of stator ϕ 43mm*45mm

7A Controller

Product model: HP-DB2211

Input voltage: 200VAC-240VAC 50Hz

Maximum input power: 1500W

Maximum current: 7A

Speed range: 3000rpm-30000rpm

Size / weight of control board:

110 * 40 * 45mm / 150g

Protection mode: overheating, overload,
low voltage, locked rotor protection

Working mode: forced air cooling and

heat dissipation, continuous working mode

Applicable products



Jiangsu Hoprio Electronic Tech Co., Ltd Motor load characteristic curve

NO.: FA2012100001

Rated current : 0.0(A)

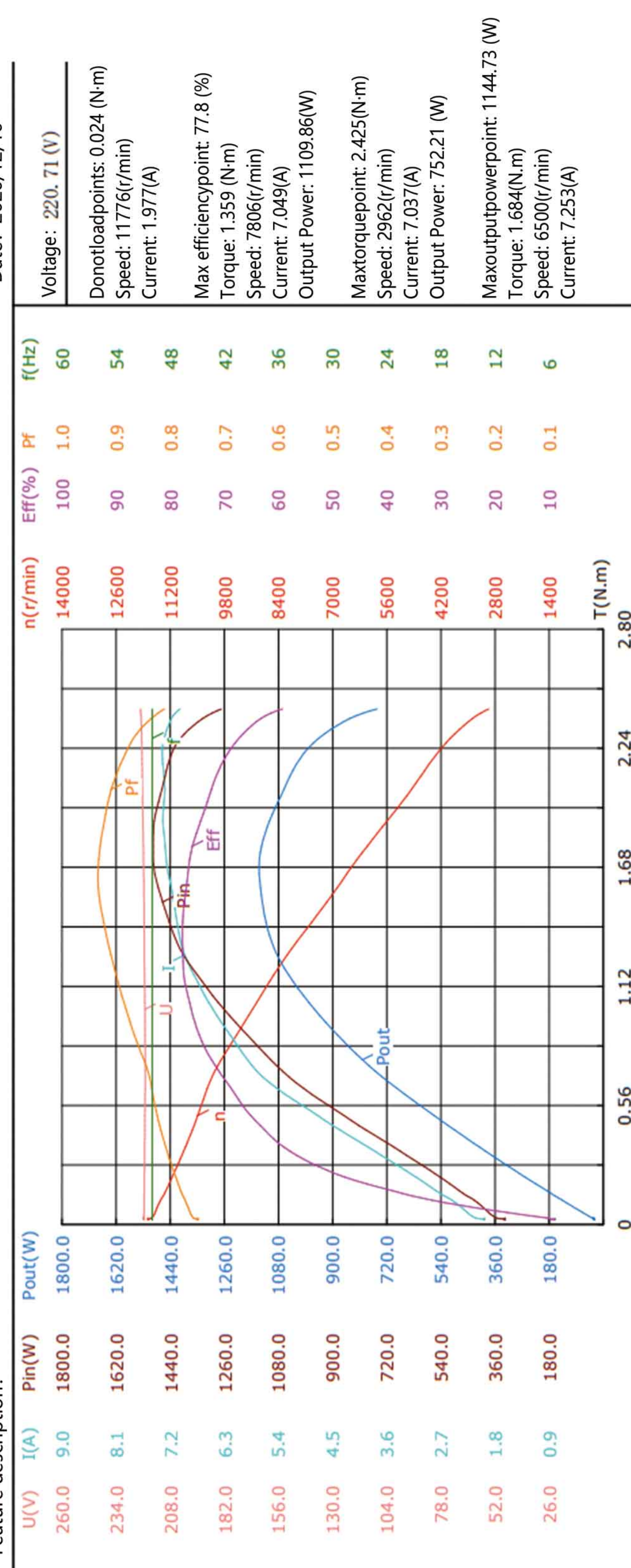
Rated voltage : 220.0(V)

Rated power : 0.0(W)

Date: 2020/12/10

Type : SIM-100YE2

Feature description:





48 Series Motor+12A Controller

Frequency conversion brushless power system



48 Series Motor

48 Series Motor

Product model: HPBL4853

Working voltage: 310VDC

Recommended stack height: 20-75mm

Recommended rated speed:

20000 ~ 30000 rpm

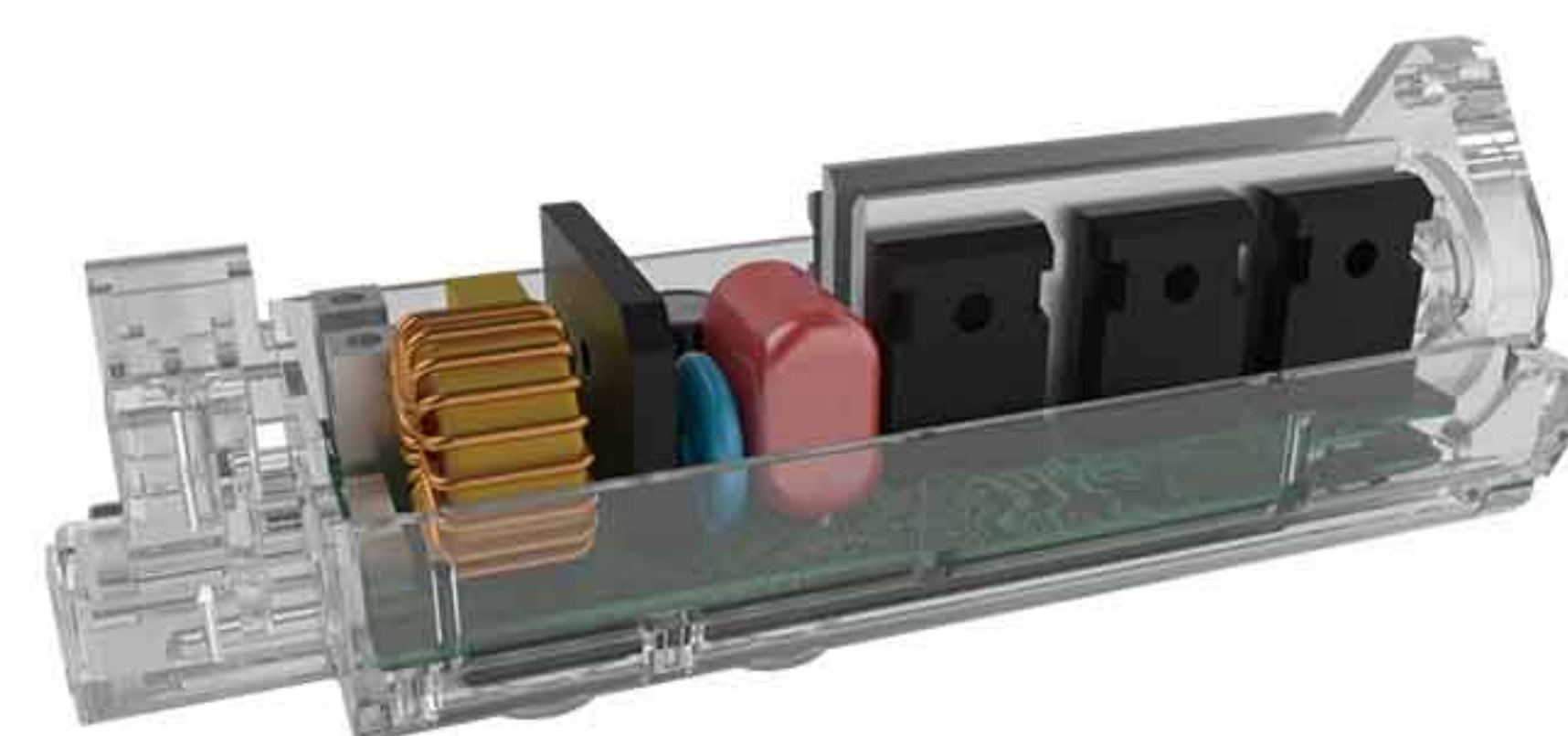
Recommended rated input power:

450 ~ 2300W

Short time maximum load: 1.5 times rated power
operation mode Forced air cooling and
heat dissipation, continuous working mode

Overall dimension of motor: outer diameter and
height of stator $\varnothing 48\text{mm} \times 53\text{mm}$

Applicable products



12A Controller

12A Controller

Product model: HP-DB2203

Input voltage: 200VAC-240VAC 50Hz

Maximum input power: 2300W

Maximum current: 12A

Speed range: 3000rpm-30000rpm

Control board size / weight:

130 * 50 * 45mm / 285g

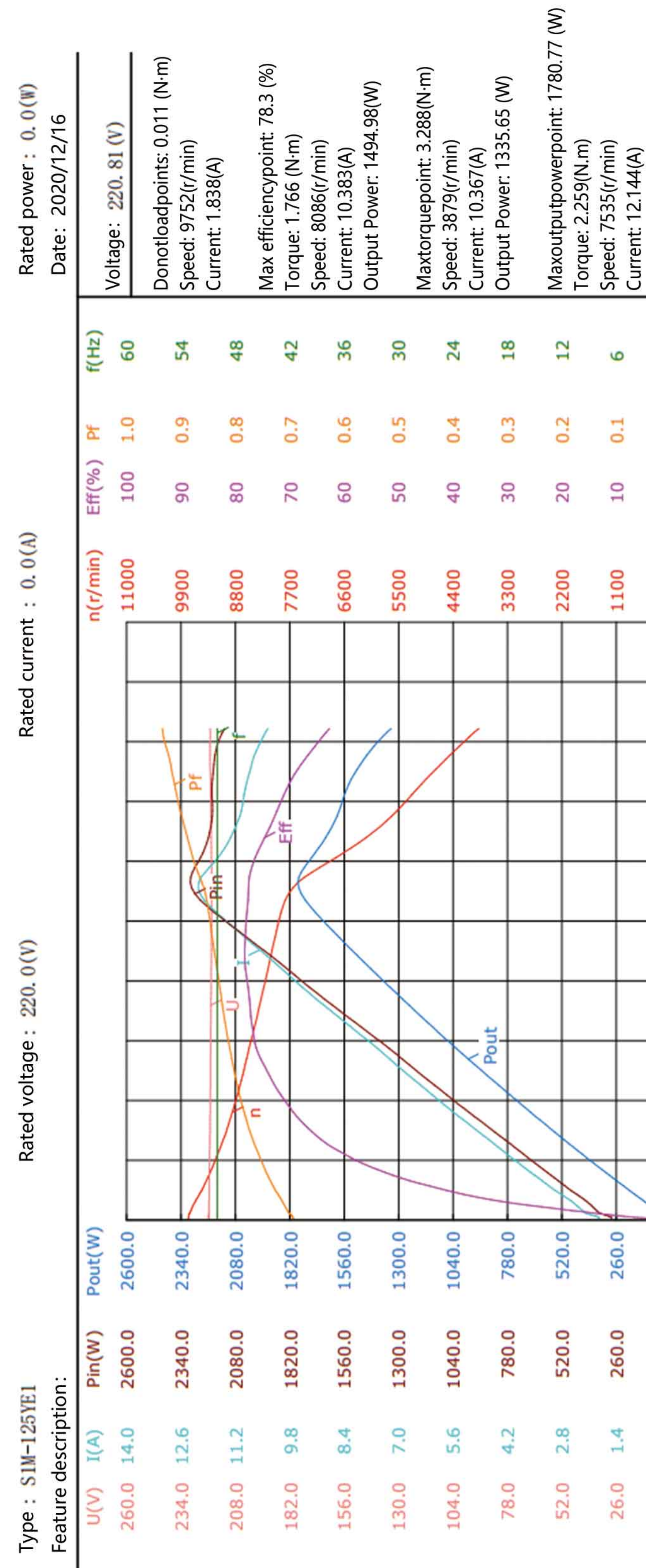
Protection mode: overheating, overload,
low voltage, locked rotor protection

Working mode: forced air cooling and
heat dissipation, continuous working mode

Jiangsu Hoprio Electronic Tech Co., Ltd

Motor load characteristic curve

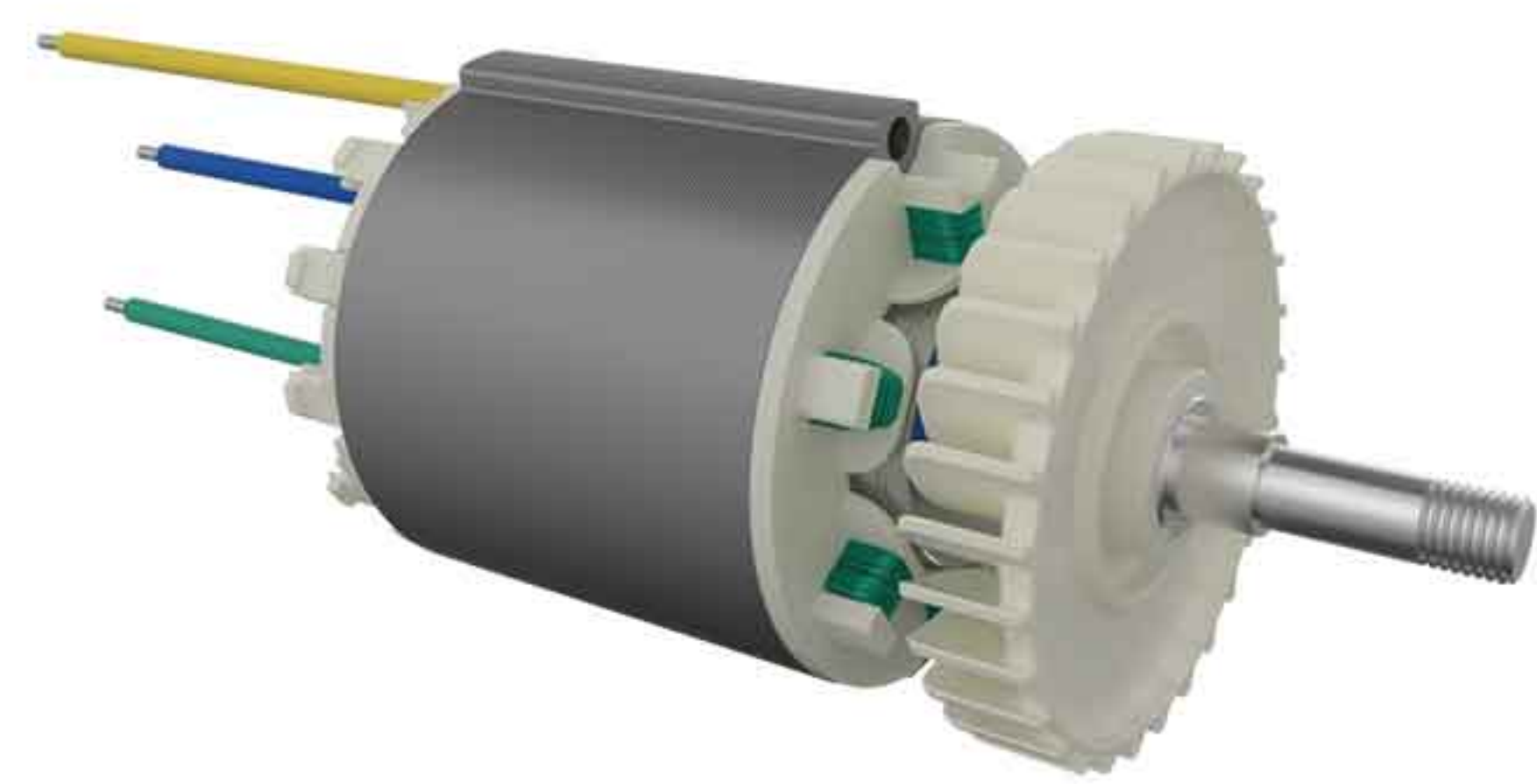
NO.: FA2012160006



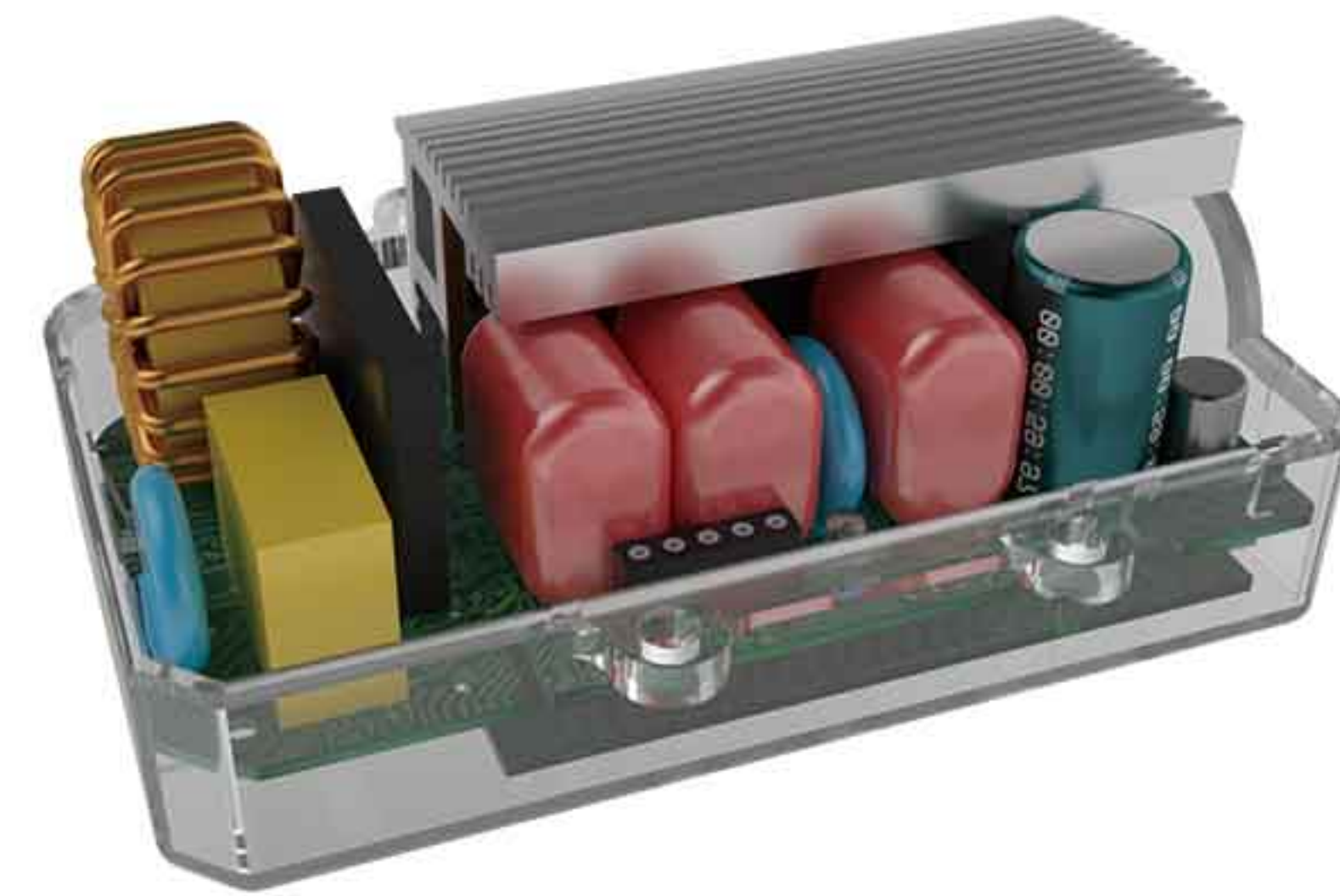


60 Series Motor + 17A Electric Controller

Frequency conversion brushless power system



60 Series Motor



17A Controller

60 Series Motor

Product model: HPBL6055-01
Working voltage: 310VDC
Recommended stack height: 25-90mm
Recommended rated speed: 20000 ~ 30000 rpm
Recommended rated input power:
1000 ~ 3200W
Short time maximum load:
1.5 times rated power
operation mode: Forced air cooling and
heat dissipation, continuous working mode
Overall dimension of motor: outer diameter and
height of stator $\varnothing$ 60mm*55mm

Applicable products

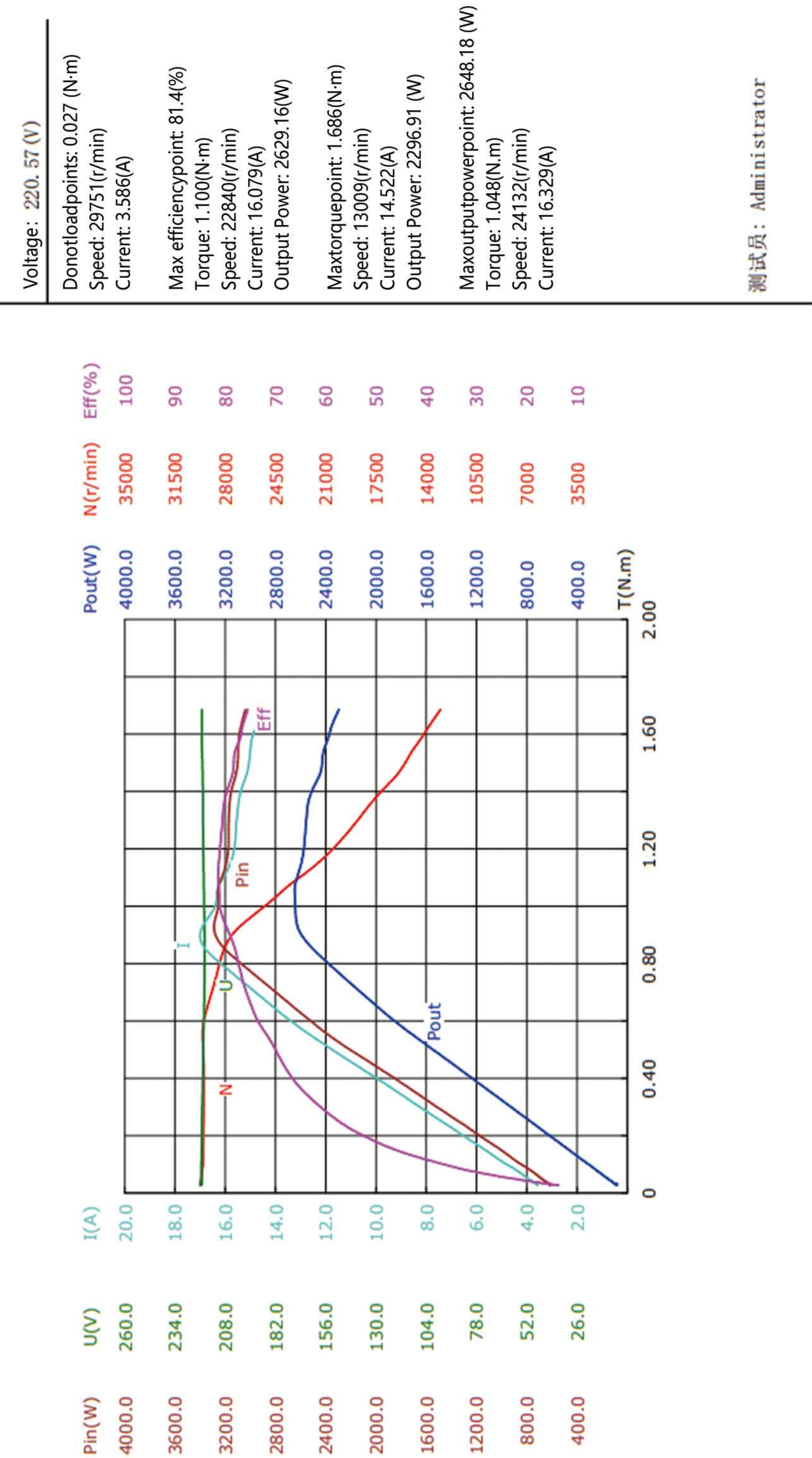


Jiangsu Hoprio Electronic Tech Co., Ltd
Motor load characteristic curve

Type : 6055 Wall chaser
Customer name : Unknown

NO.: FA2110060002

Date: 2021/10/06

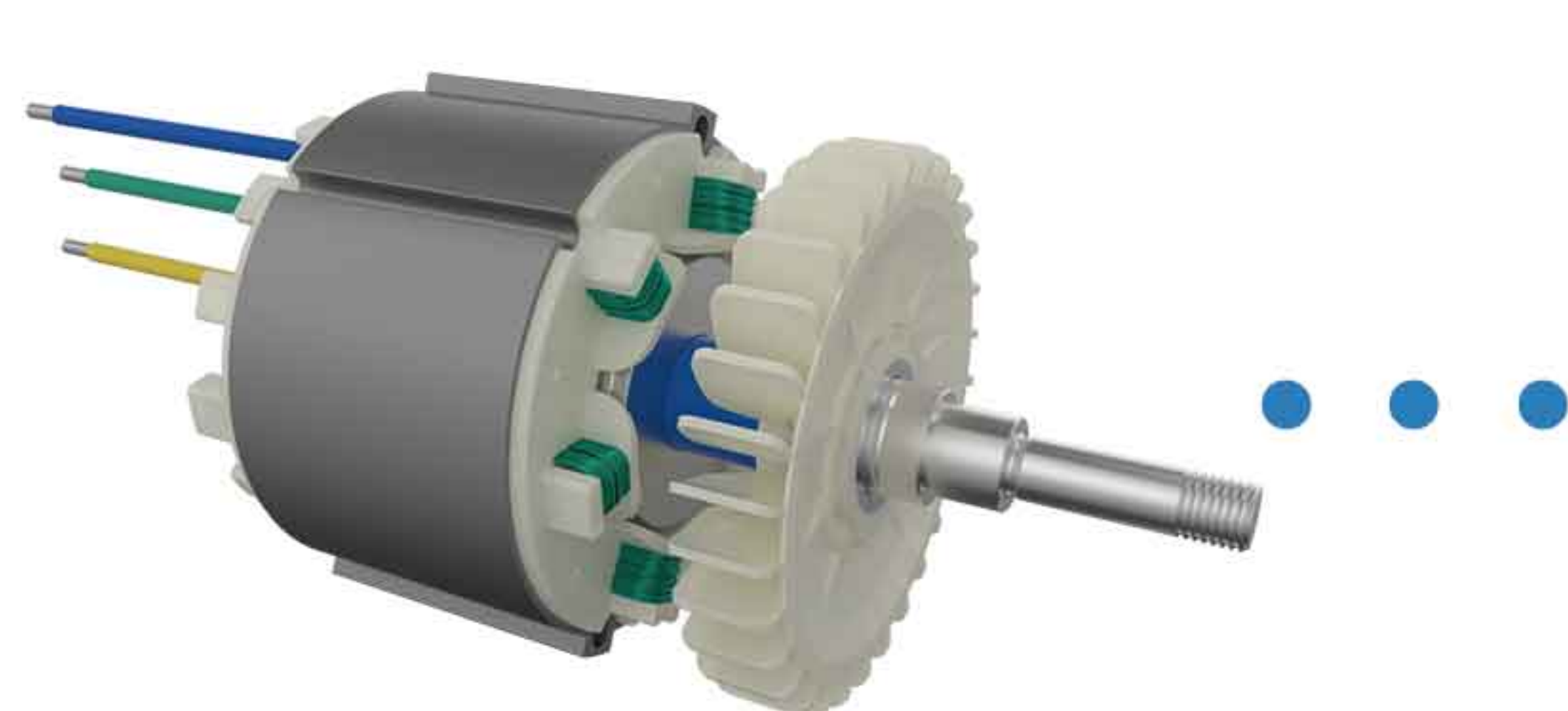


测试员: Administrator



72 Series Motor+16/20A Controller

Frequency conversion brushless power system

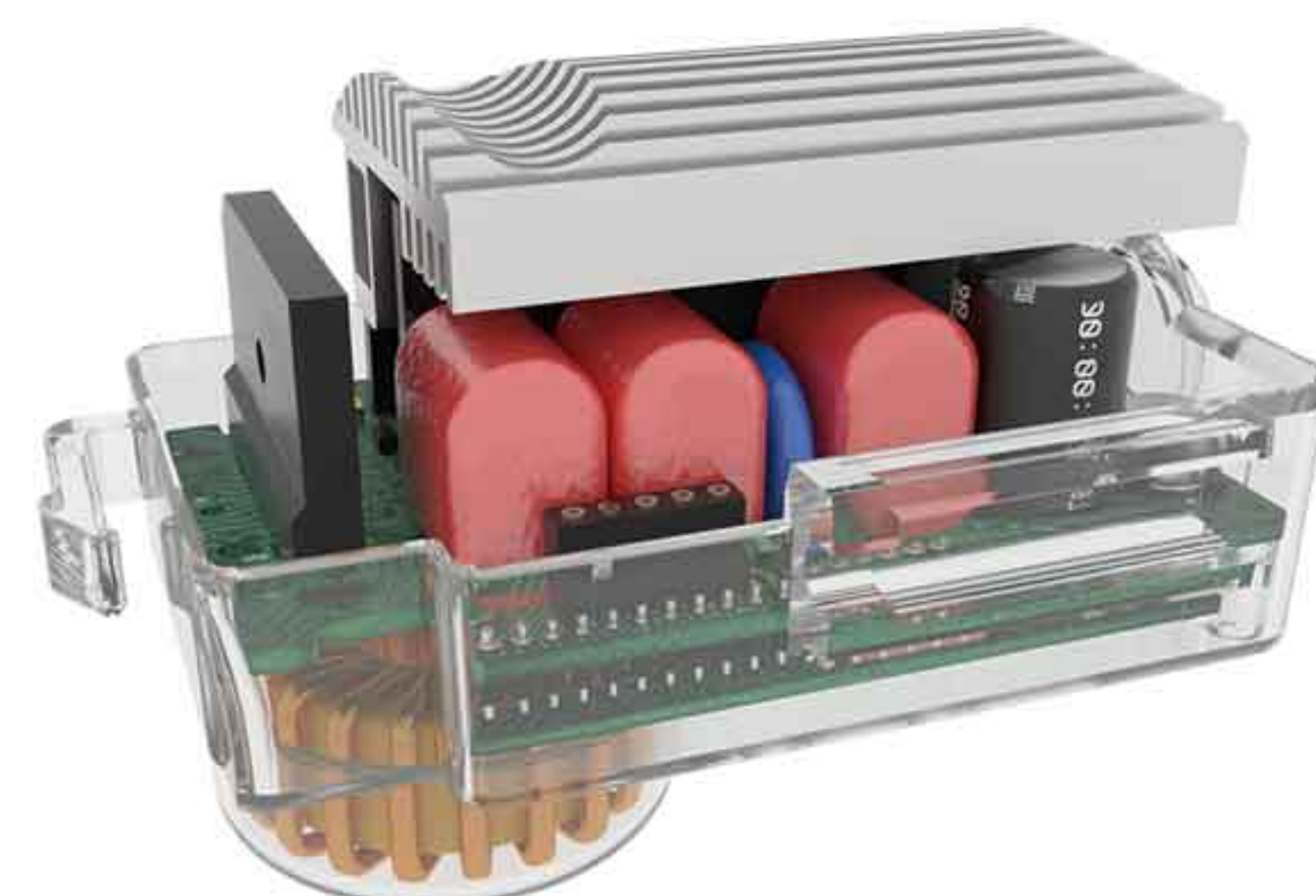


72 Series Motor

72 Series Motor

Product model: HPBL7250-02
Working voltage: 310VDC
Recommended stack height: 30-120mm
Recommended rated speed: 20000 ~ 30000 rpm
Recommended rated input power:
1700 ~ 4000W
Short time maximum load:
1.5 times rated power
operation mode Forced air cooling and
heat dissipation, continuous working mode
Overall dimension of motor: outer diameter and
height of stator
φ 72mm * 50mm (see 3D for details)

Applicable products



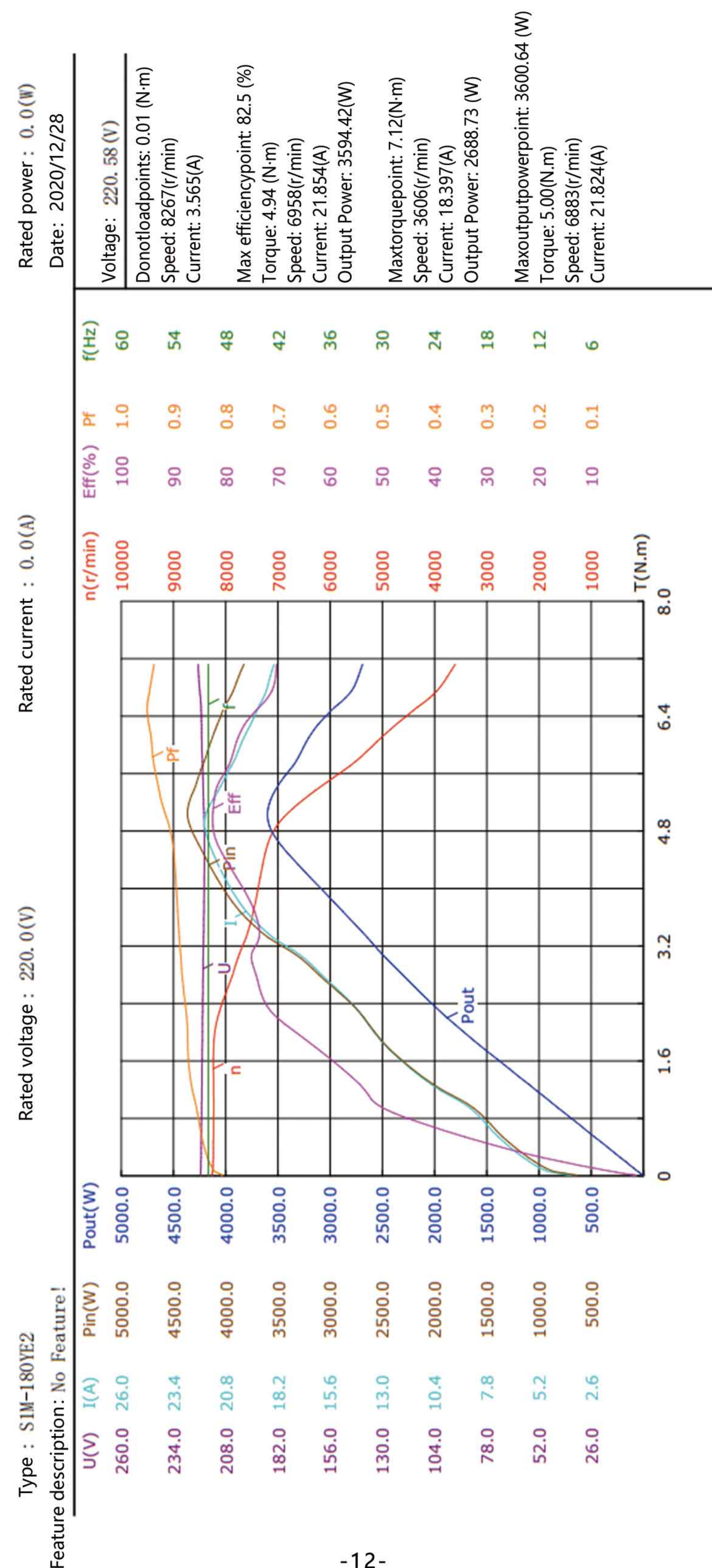
16/20A Controller

16/20A Controller

Product model: HP-DB2215
Input voltage: 200VAC-240VAC 50Hz
Maximum input power: 4000W
Maximum current: 20A
Speed range: 3000rpm-30000rpm
Control board size / weight:
90 * 65 * 60MM / 350g
Protection mode: overheating, overload,
low voltage, locked rotor protection
Working mode: forced air cooling and
heat dissipation, continuous working mode

Jiangsu Hoprio Electronic Tech Co., Ltd
Motor load characteristic curve

NO.: FA2012280001





94 Series Motor + 25 / 45A Electric Controller

Frequency conversion brushless power system



94 Series Motor

94Series Motor

Product model: HPBL9450-01
Working voltage: 310VDC
Recommended stack height: 30-130mm
Recommended rated speed: 20000 ~ 30000 rpm
Recommended rated input power:
2000 ~ 8000w
Short time maximum load:
1.5 times rated power
Working mode: forced air cooling and
heat dissipation, continuous working mode
Overall dimension of motor: outer diameter and
height of stator ϕ 88mm*50mm

Applicable products



25/45A Controller

25/45A Controller

Product model: HP-DB2207 / HP-DB2218
Input voltage: 200VAC-240VAC 50Hz
Maximum input power: 4600W / 8000w
Maximum current: 25A / 45A
Speed range: 3000rpm-30000rpm
Control board size / weight:
85 * 80 * 60mm / 385g
474*213*53mm/4000g
Protection mode: overheating, phase loss,
low voltage and locked rotor protection
Working mode: forced air cooling and
heat dissipation, continuous working mode

Jiangsu Hoprio Electronic Tech Co., Ltd Motor load characteristic curve

NO.: FA2011120001

