

Hub Servo Catalog

Hub Servo Catalog



深圳市安普斯智能科技有限公司
电话 : 0755-86237792
邮箱 : sales@amps-tech.com
网站 : www.amps-tech.com
地址 : 深圳市南山区西丽街道松白路1002号百旺信科技大厦319-320

Company Profile

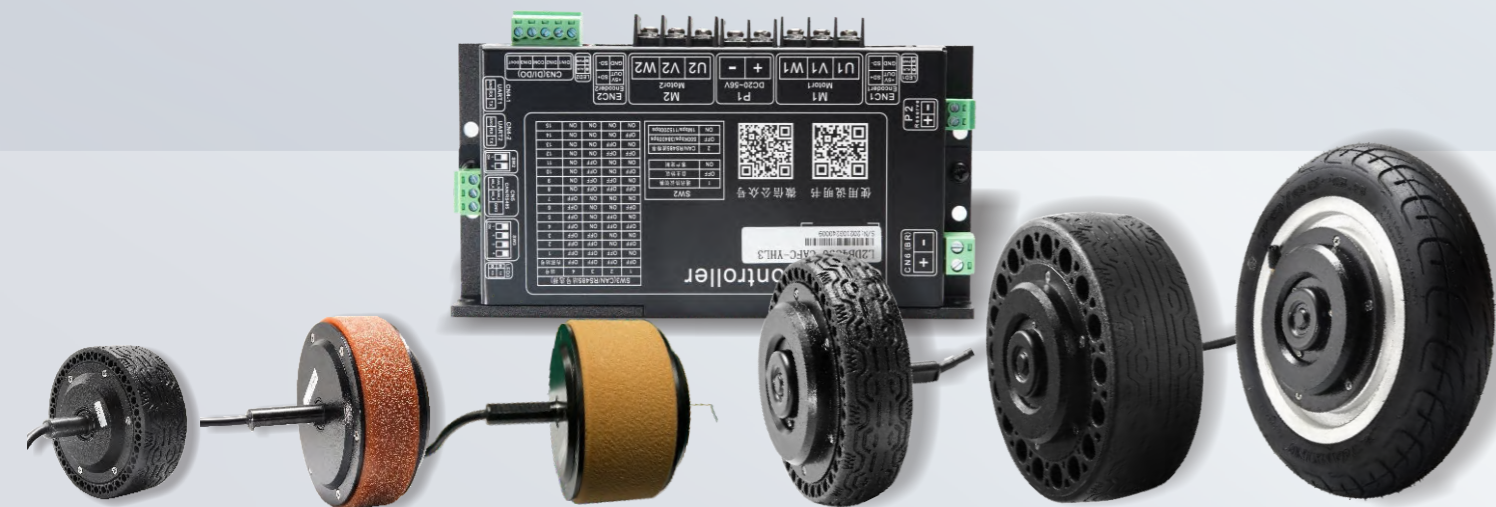
Shenzhen AMPS Intelligent Technology Co.,Ltd. is a company who is focusing on developing hub servo driver and hub servo motor. The products has covered a wide range of torque from 1.1 Nm to 30 Nm, and the size from 4.5 inch to 12 inch.They have applied various of application such as delivery robot,disinfecting robot,floor-washingrobot,patrol robot and guiding robot.

Quiet

Precise

Stable

Product



Application



Food-delivery Robot



Delivery Robot



Disinfecting Robot



Floor-washing Robot



Patrol Robot



Guiding Robot

Product Introduction

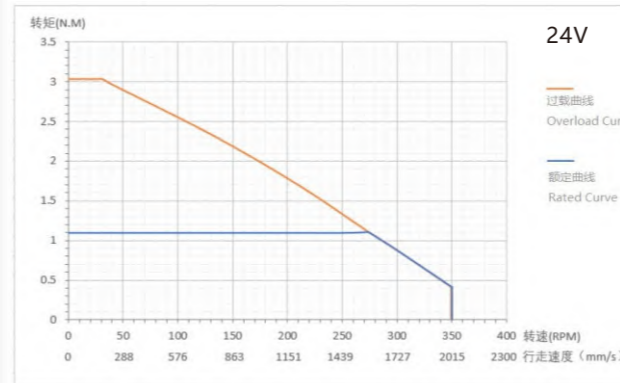
Integrated Servo Hub



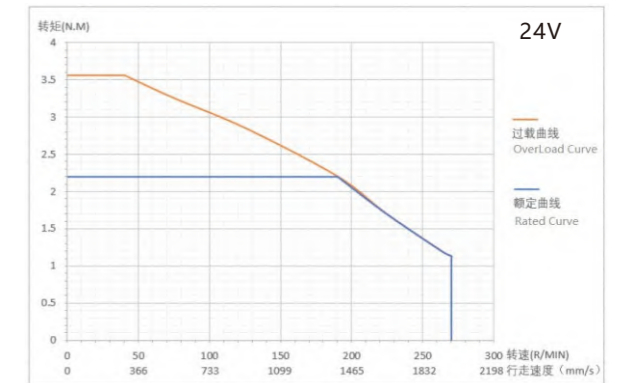
Specifications

Model	IWS45L-1D1350B-MCAFC	IWS55L-2D2270B-MCAFC
Diameter Size	110mm	140mm
Rated Voltage	24VDC	
Rated Current	2.2Arms	3.7Arms
Maximum speed	350rpm(Line speed 2m/s)	270rpm(Line speed 2m/s)
Rated Torque	1.1 N.m	2.2N.m
Peak Torque	3N.m	3.55N.m
Communication	UART+CAN	
UART Baudrate	115200bps, support controlled by controller or PC software	
CAN Baudrate	500kbps/1Mbps set by DIP switch	
Protection Function	Over-Voltage,Low-Voltage,Over-load,Short-circuit,High temperature,Speed-loss etc.	
Operating Temperature	-10°C ~ 40°C (Non-freezing)	
Operating Humidity	5 ~ 95%RH (Non-condensing)	
Storage Temperature	-10°C ~ 70°C (Non-freezing)	
Storage Humidity	Below 90%RH (Non-condensing)	
Protection Class	Ip67 except shaft	
Weight	1.3kg	1.5kg
Suggested Load (2 PCS)	Below 30kg	Below 50kg

Torque Curve

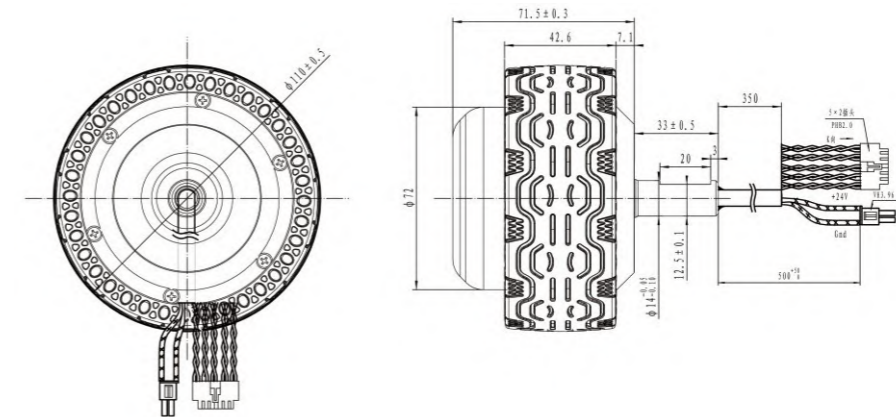


IWS45L-1D1350B-MCAFC

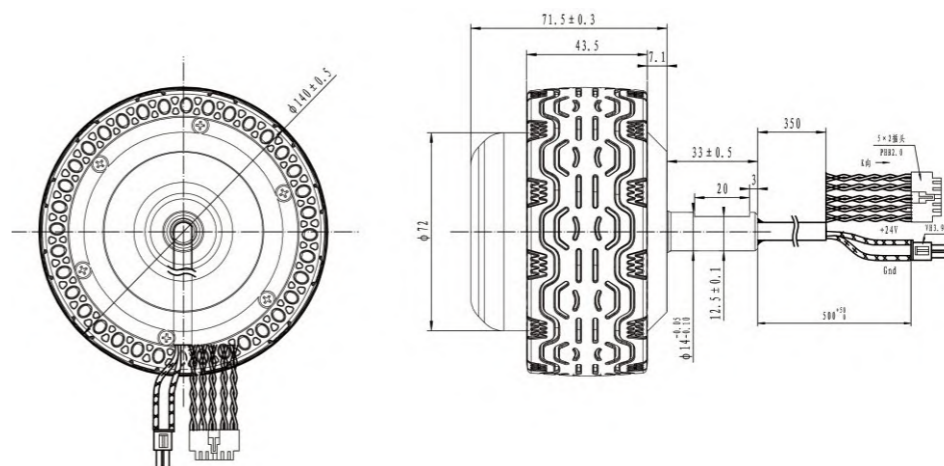


IWS55L-2D2270B-MCAFC

Dimension (Unit : mm)



IWS45L-1D1350B-MCAFC



IWS55L-2D2270B-MCAFC

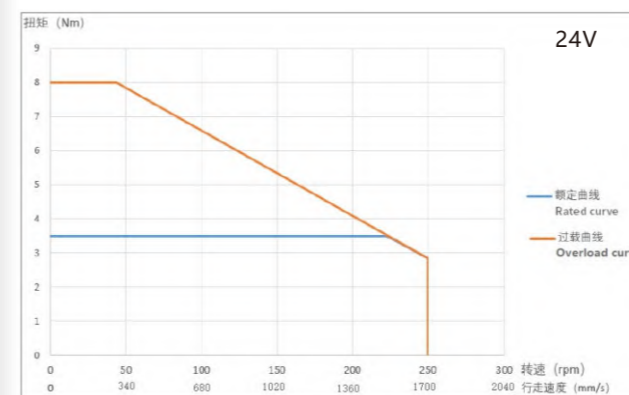
Integrated Servo Hub



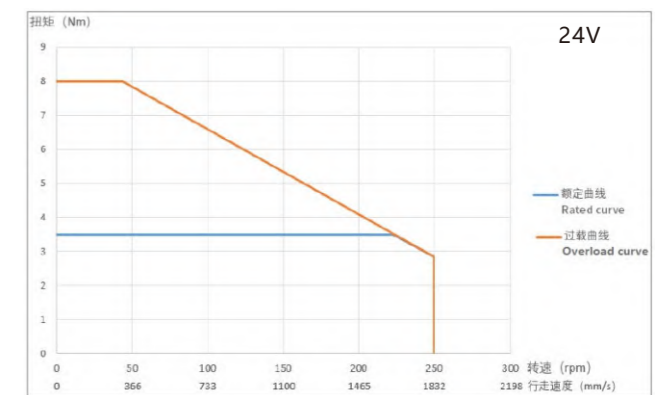
Specifications

Model	IWS50L-3D5250B-MCAFC	IWS55L-3D5250B-MAAFC
Diameter Size	130mm	140mm
Rated Voltage	24VDC	
Rated Current	5.8 Arms	5.8 Arms
Maximum speed	250rpm(Line speed 1.7m/s)	250rpm(Line speed 1.8m/s)
Rated Torque	3.5 N.m	3.5 N.m
Peak Torque	8 N.m	8 N.m
Communication	UART+CAN	
UART Baudrate	115200bps, support controlled by controller or PC software	
CAN Baudrate	500kbps/1Mbps set by DIP switch	
Protection Function	Over-Voltage,Low-Voltage,Over-load,Short-circuit,High temperature,Speed-loss etc.	
Operating Temperature	-10°C ~ 40°C (Non-freezing)	
Operating Humidity	5 ~ 95%RH (Non-condensing)	
Storage Temperature	-10°C ~ 70°C (Non-freezing)	
Storage Humidity	Below 90%RH (Non-condensing)	
Protection Class	IP67	Ip67 except shaft
Weight	1.3kg	1.5kg
Suggested Load (2 PCS)	Below 30kg	Below 80kg

Torque Curve

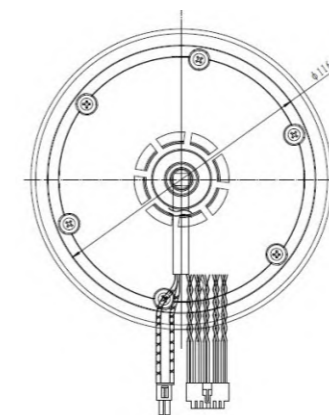


IWS50L-3D5250B-MCAFC

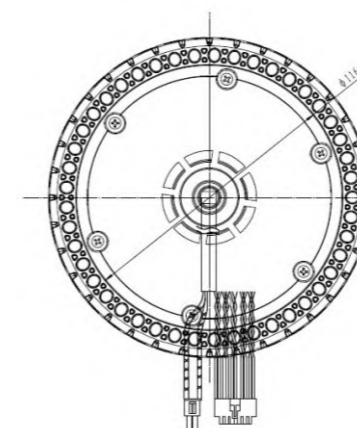
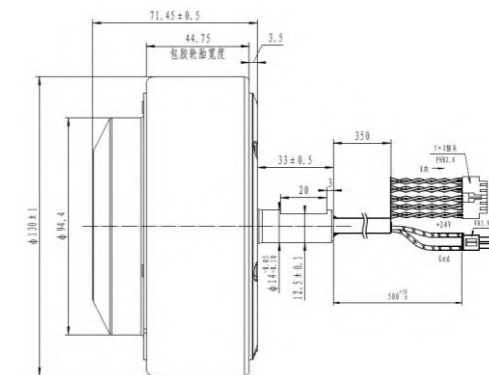


IWS55L-3D5250B-MAAFC

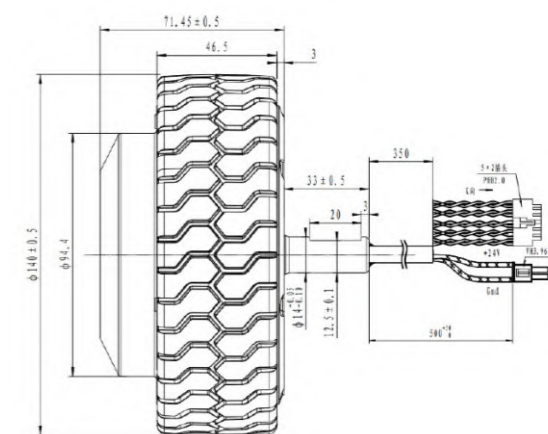
Dimension (Unit : mm)



IWS50L-3D5250B-MCAFC



IWS55L-3D5250B-MAAFC



Separated Hub Servo Driver

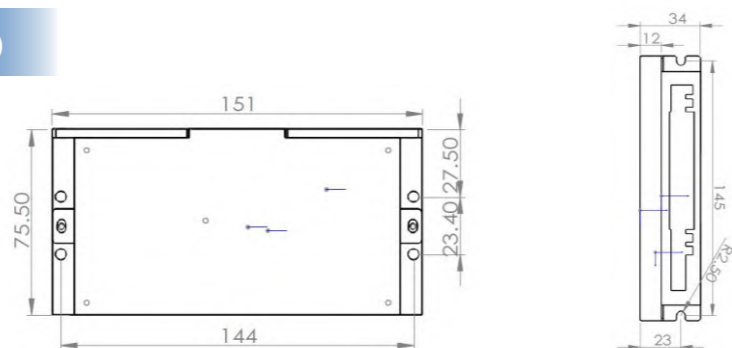


Specifications

Model	L2DB4830-CAFR-XXXX*	L2DB4830-CAFC-XXXX*
Rated Voltage	20~56VDC	
Max. Continuous Current	10 Arms per axis	
Peak Current	30 Arms per axis	
Compatible Motor	Servo hub motor (2 Axis)	
Digital Input	3 DINs (1 Emergency Stop, 2 Reserved)	
Digital Output	1 DOUT(Error Output)	
Communication	UART+RS485	UART+CAN
UART Baudrate	115200bps, support controlled by controller or PC software	
Rs485 Baudrate	38400bps/115200bps set by DIP switch	/
CAN Baudrate	/	500kbps/1Mbps set by DIP switch
Protection Function	Over-Voltage, Low-Voltage, Over-load, Short-circuit, High temperature, Speed-loss etc.	
Operation Temperature	-10°C ~ 40°C (Non-freezing)	
Operation Humidity	5 ~ 95%RH (Non-condensing)	
Storage Temperature	-10°C ~ 70°C (Non-freezing)	
Storage Humidity	Below 90%RH (Non-condensing)	
Weight	0.322kg	

Note: XXXX is decided by different motor.

Dimension (Unit : mm)



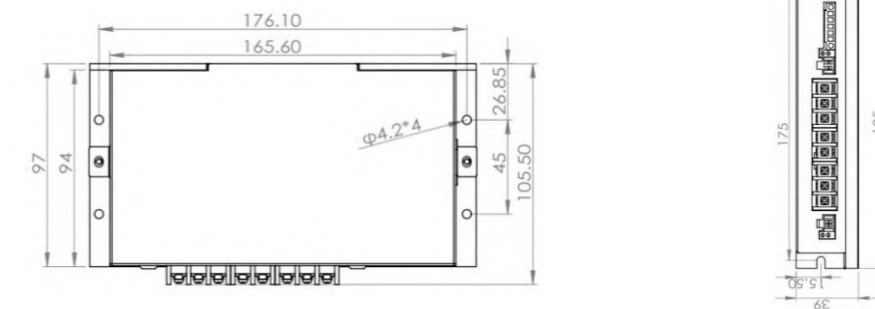
Specifications



Model	L2DB4875-CAFR-XXXX*	L2DB4875-CAFC-XXXX*
Rated Voltage	20~56VDC	
Max. Continuous Current	15 Arms per axis	
Peak Current	75 Ap per axis	
Compatible Motor	Servo hub motor (2 Axis)	
Digital Input	3 DINs (1 Emergency Stop, 2 Reserved)	
Digital Output	1 DOUT(Error Output)	
Communication	UART+RS485	UART+CAN
UART Baudrate	115200bps, support controlled by controller or PC software	
Rs485 Baudrate	38400bps/115200bps set by DIP switch	/
CAN Baudrate	/	500kbps/1Mbps set by DIP switch
Protection Function	Over-Voltage, Low-Voltage, Over-load, Short-circuit, High temperature, Speed-loss etc.	
Operation Temperature	-10°C ~ 40°C (Non-freezing)	
Operation Humidity	5 ~ 95%RH (Non-condensing)	
Storage Temperature	-10°C ~ 70°C (Non-freezing)	
Storage Humidity	Below 90%RH (Non-condensing)	
Weight	0.322kg	

Note: XXXX is decided by different motor.

Dimension (Unit : mm)



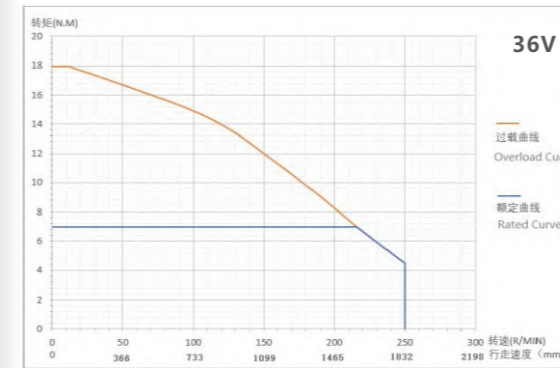
Separated Hub Servo Motor



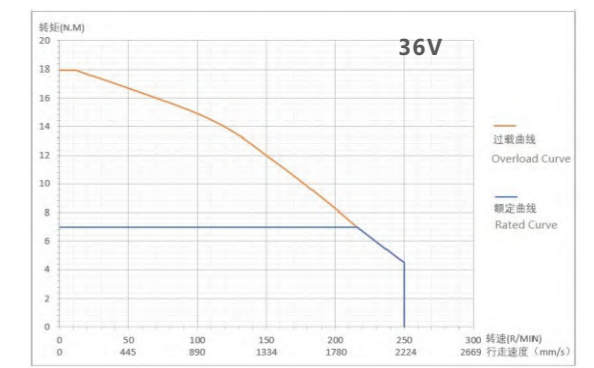
Specifications

Model	WS55L-07A250C-MGGA03	WS65L-07A250C-MUCA03	WS80L-07A250C-MUGA03
Diameter Size	140mm	170mm	200mm
Rated Voltage	36VDC		
Rated Current	7Arms		
Maximum speed	250rpm(Line speed 1.8m/s)	250rpm(Line speed 2.2m/s)	250rpm(Line speed 2.6m/s)
Rated Torque	7 N.m		
Peak Torque	18 N.m		
Operating Temperature	-10°C ~ 40°C (Non-freezing)		
Operating Humidity	5 ~ 95%RH (Non-condensing)		
Storage Temperature	-10°C ~ 70°C (Non-freezing)		
Storage Humidity	Below 90%RH (Non-condensing)		
Protection Class	Ip67 except shaft		
Weight	3.2 kg	3 kg	3.25 kg
Suggested Load (dual-axis)	Below 140kg	Below 120kg	Below 120kg

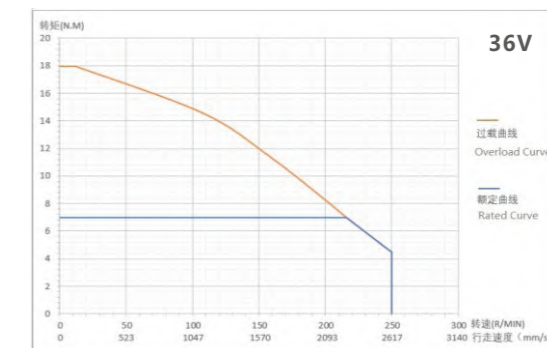
Torque Curve



WS55L-07A250C-MGGA03

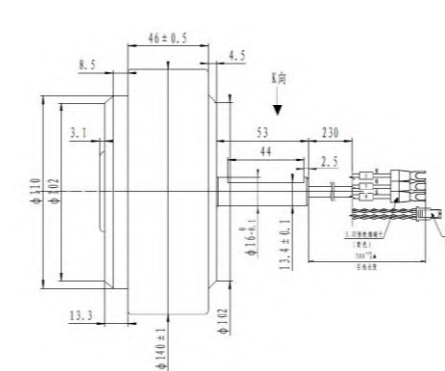


WS65L-07A250C-MUCA03

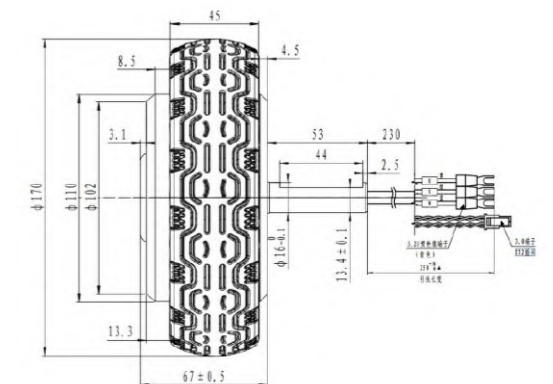


WS80L-07A250C-MUGA03

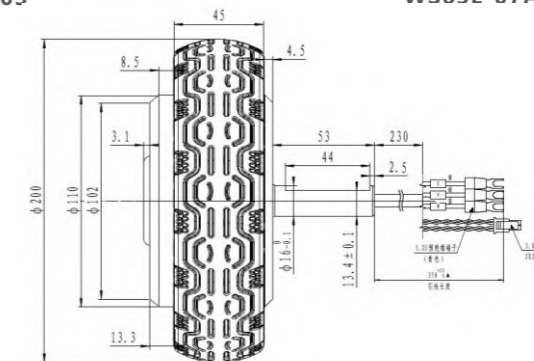
Dimension (Unit : mm)



WS55L-07A250C-MGGA03



WS65L-07A250C-MUCA03



WS80L-07A250C-MUGA03

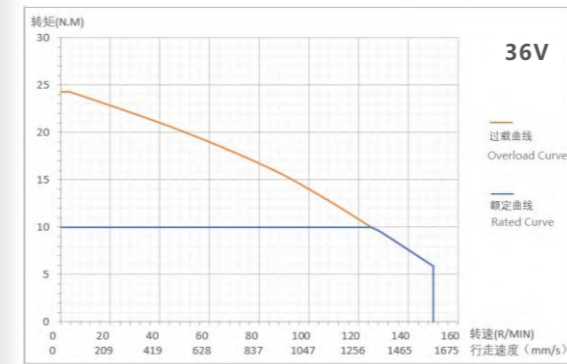
Separated Hub Servo Motor



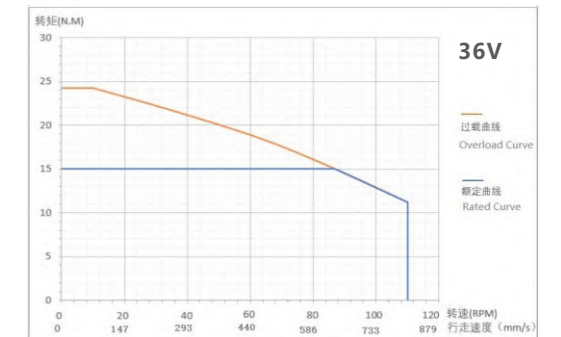
Specifications

Model	WS80L-10A150C-MUGA03	WS55L-15A110C-MGGA05	WS65L-15A110C-MGGA05
Diameter Size	200mm	140mm	165mm
Rated Voltage	36VDC		
Rated Current	5.5 Arms	7.4 Arms	
Maximum speed	150rpm(Line speed 1.5m/s)	110rpm(Line speed 0.8m/s)	110rpm(Line speed 0.97m/s)
Rated Torque	10 N.m	15 N.m	
Peak Torque	24 N.m		
Operating Temperature	-10°C ~ 40°C (Non-freezing)		
Operating Humidity	5 ~ 95%RH (Non-condensing)		
Storage Temperature	-10°C ~ 70°C (Non-freezing)		
Storage Humidity	Below 90%RH (Non-condensing)		
Protection Class	IP67		
Weight	5.15 kg	5.3 kg	5.6 kg
Suggested Load (dual-axis)	Below 150kg	Below 250kg	Below 250kg

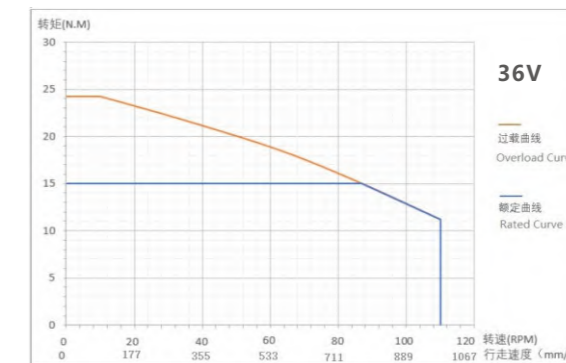
Torque Curve



WS80L-10A150C-MUGA03

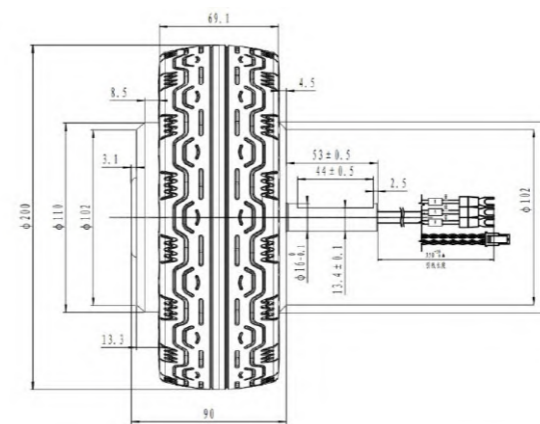


WS55L-15A110C-MGGA05

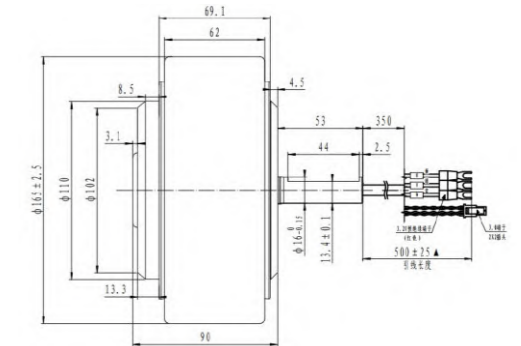


WS65L-15A110C-MGGA05

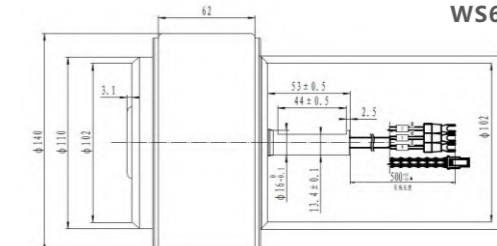
Dimension (Unit : mm)



WS80L-10A150C-MUGA03



WS65L-15A110C-MGGA05



WS55L-15A110C-MGGA05

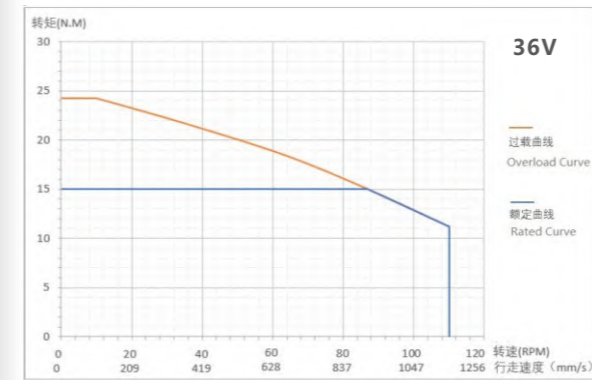
Separated Hub Servo Motor



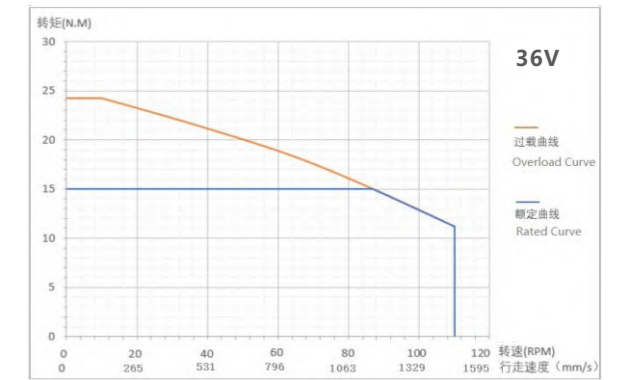
Specifications

Model	WS80L-15A110C-MUGA03	WSA0L-15A110C-MFGA05	WSC0L-15A110C-MFGA05
Diameter Size	200mm	254mm	315mm
Rated Voltage	36VDC		
Rated Current	5.5 Arms	7.4 Arms	
Maximum speed	110rpm(Line speed 1.1m/s)	110rpm(Line speed 1.46m/s)	110rpm(Line speed 1.8m/s)
Rated Torque	15 N.m		
Peak Torque	24 N.m		
Operating Temperature	-10°C ~ 40°C (Non-freezing)		
Operating Humidity	5 ~ 95%RH (Non-condensing)		
Storage Temperature	-10°C ~ 70°C (Non-freezing)		
Storage Humidity	Below 90%RH (Non-condensing)		
Protection Class	IP67		
Weight	5.15 kg	6.6 kg	7.15 kg
Suggested Load (dual-axis)	Below 200kg	Below 200kg	Below 200kg

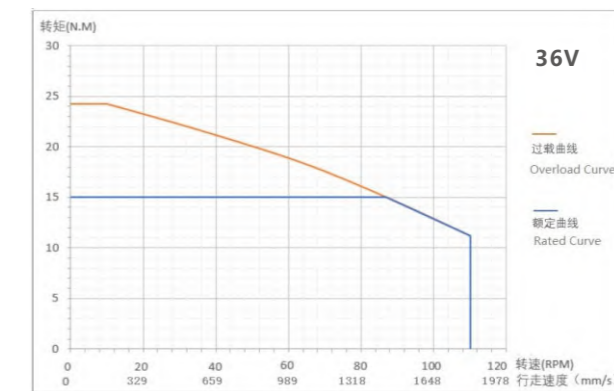
Torque Curve



WS80L-15A110C-MUGA03

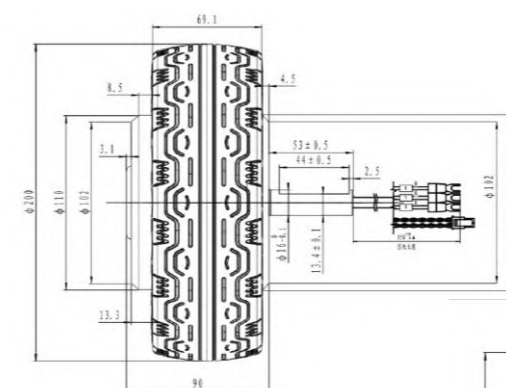


WSA0L-15A110C-MFGA05

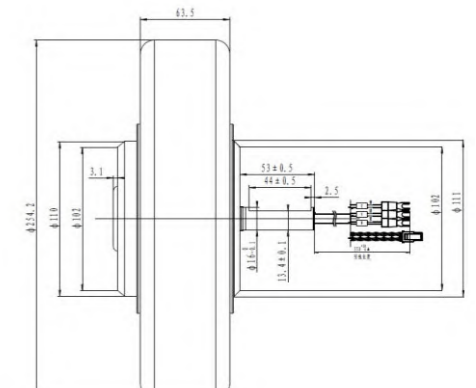


WSC0L-15A110C-MFGA05

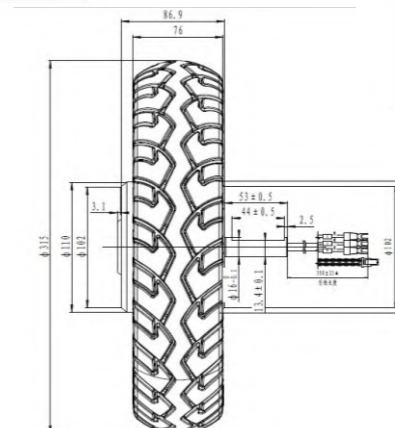
Dimension (Unit : mm)



WS80L-15A110C-MUGA03



WSA0L-15A110C-MFGA05



WSC0L-15A110C-MFGA05

