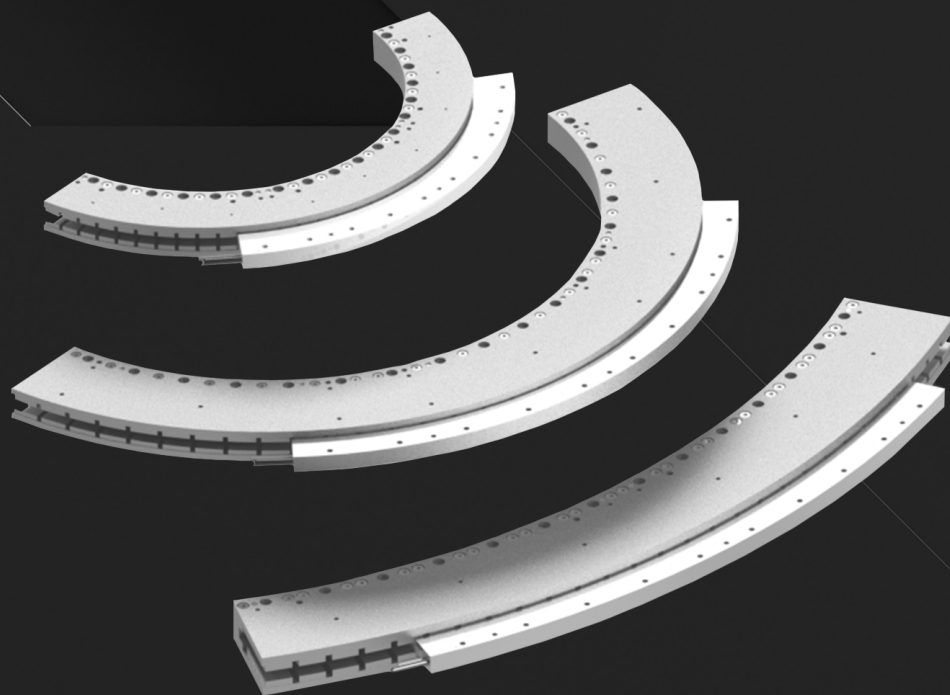




DIRECT DRIVE TECHNOLOGY
Product Catalogue
VERSION 4.1.1



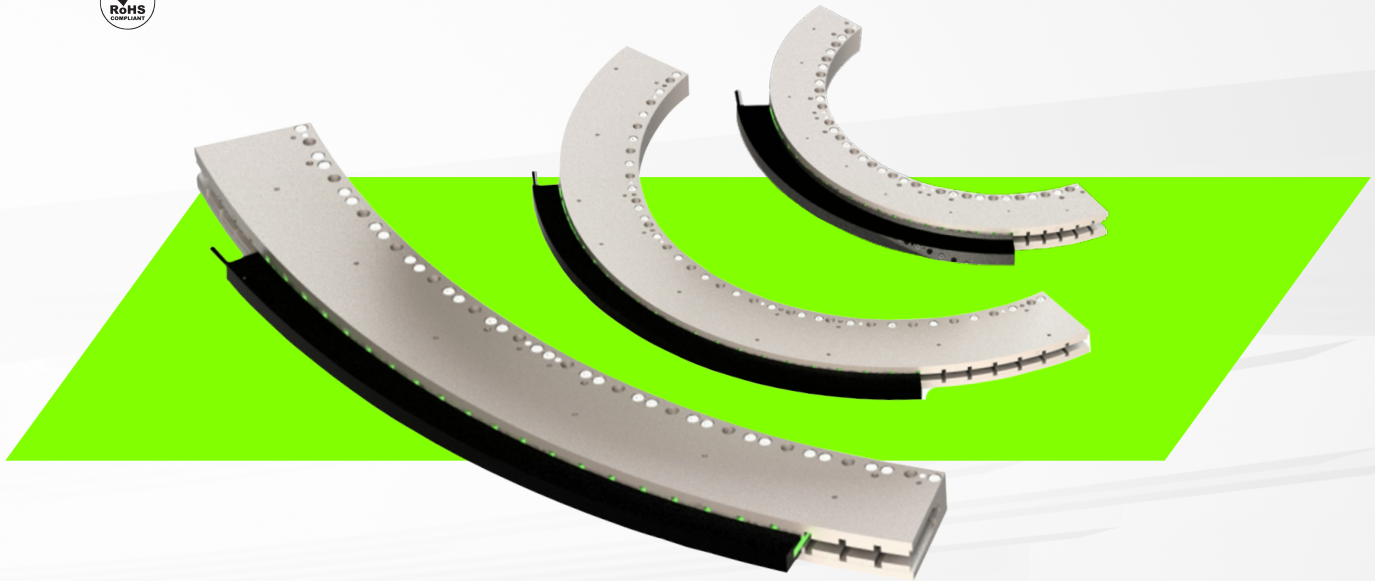
ARC SERIES

HIGH-PERFORMANCE IRONLESS ARC MOTOR

- PLAY VIDEO -

ARC SERIES

IRONLESS ARC MOTOR



Optimally designed for low profile high precise arc applications.

PBA ARC Series is specifically designed for angular motion with constrained Arc motion, 360 degrees or multi-turn rotation motion.

Powered by high-torque low-profile Ironless arc motors, the PBA ARC Series Motor can be arranged in a large centre hole of up to 1504 mm wide.

Coupled with large-diameter circular encoder scale and arc or angular bearings PBA ACR Series motor can achieve exceptionally smooth, precise motion with higher accuracy & repeatability.

- Higher Torque Direct-Drive Ironless Motor
- Low-Profile Form Factor with Low Mass
- Large Clear Aperture
- Arc Motion, 360 Degree or Multi-Turn Rotation Motion
- Zero Cogging and Exceptionally Smooth, Precise Motion
- Fast Dynamic Response
- High Positional Repeatability and Accuracy
- High Speed and Acceleration
- Zero Backlash
- Integrated Hall Sensor and Temperature Sensor
- Flexible Configuration with Multiple Coils And Multiple Tracks
- Easy Assembly

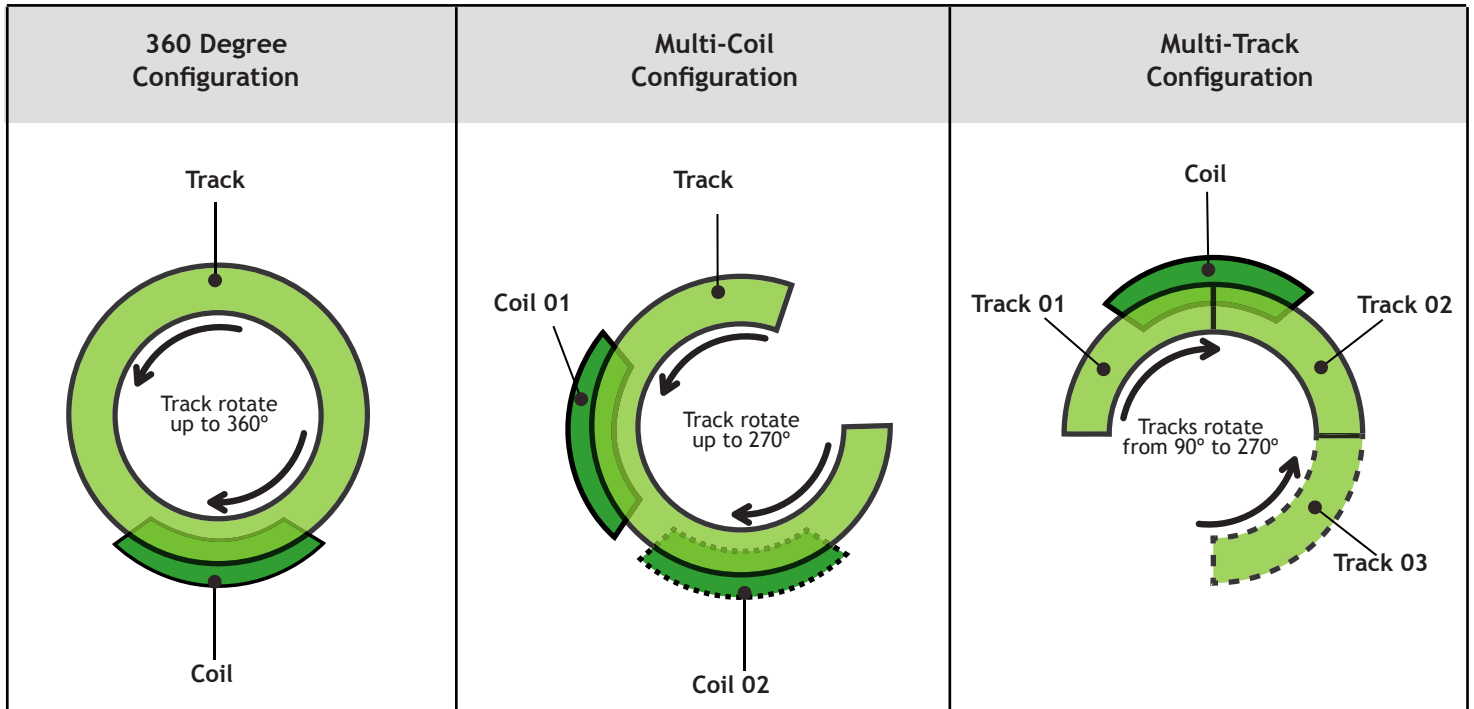
APPLICATION

- Semiconductor machine
- Wafer processing and inspection equipment
- Photonics
- Biomedical equipment
- Precision positioning stages
- Lithium battery production
- Laser processing machines
- Printing machines

**Technical specifications subject to change without prior notice*

Configurations

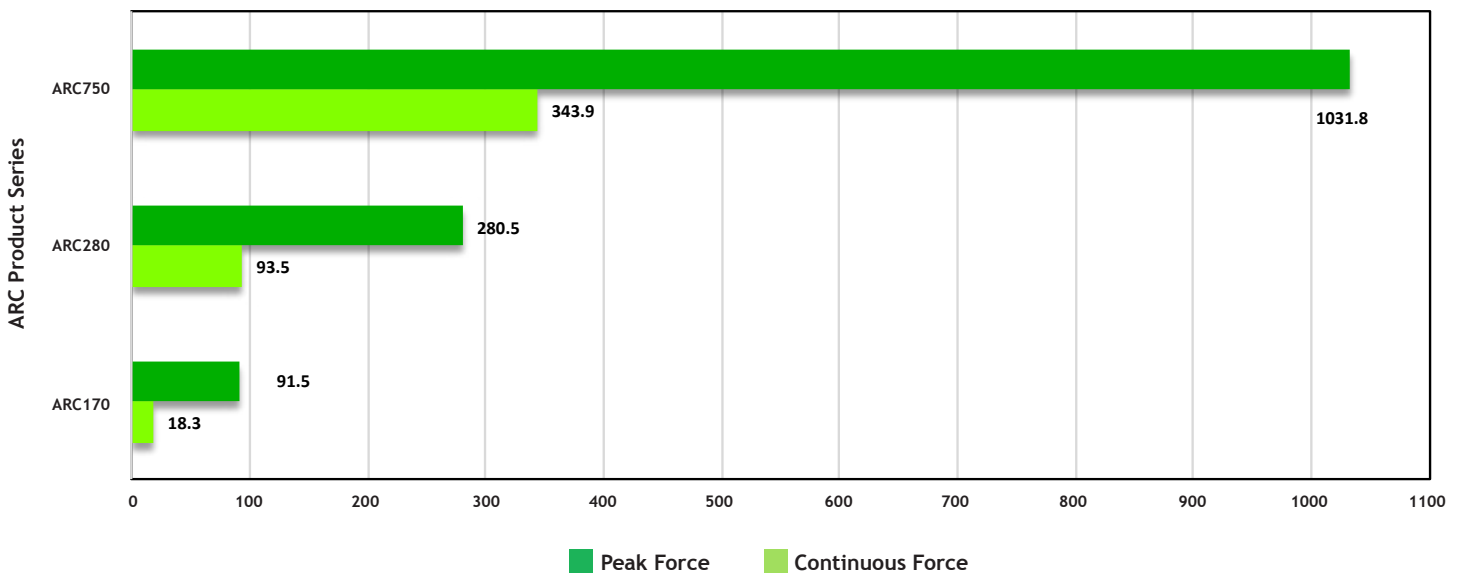
PBA ARC motors allow customers to configure the setup based on their needs. From multiple coils to increase torque output, or multiple tracks to increase range of motion. PBA ARC motors can accomplish up to 360 degrees of rotation.



Motor Model	Coil Size	Continuous Torque (N.m)	Peak Torque (N.m)	Continuous Current (A)	Peak Current (A)	Coil Weight (Kg)	Coil Angle (degrees)
ARC170	C5	18.3	91.5	2.37	11.84	0.85	90.4
ARC280	C5	93.5	280.5	2.3	6.91	1.5	90.4
ARC750	C5	343.9	1031.8	3.18	9.55	2.3	40.4

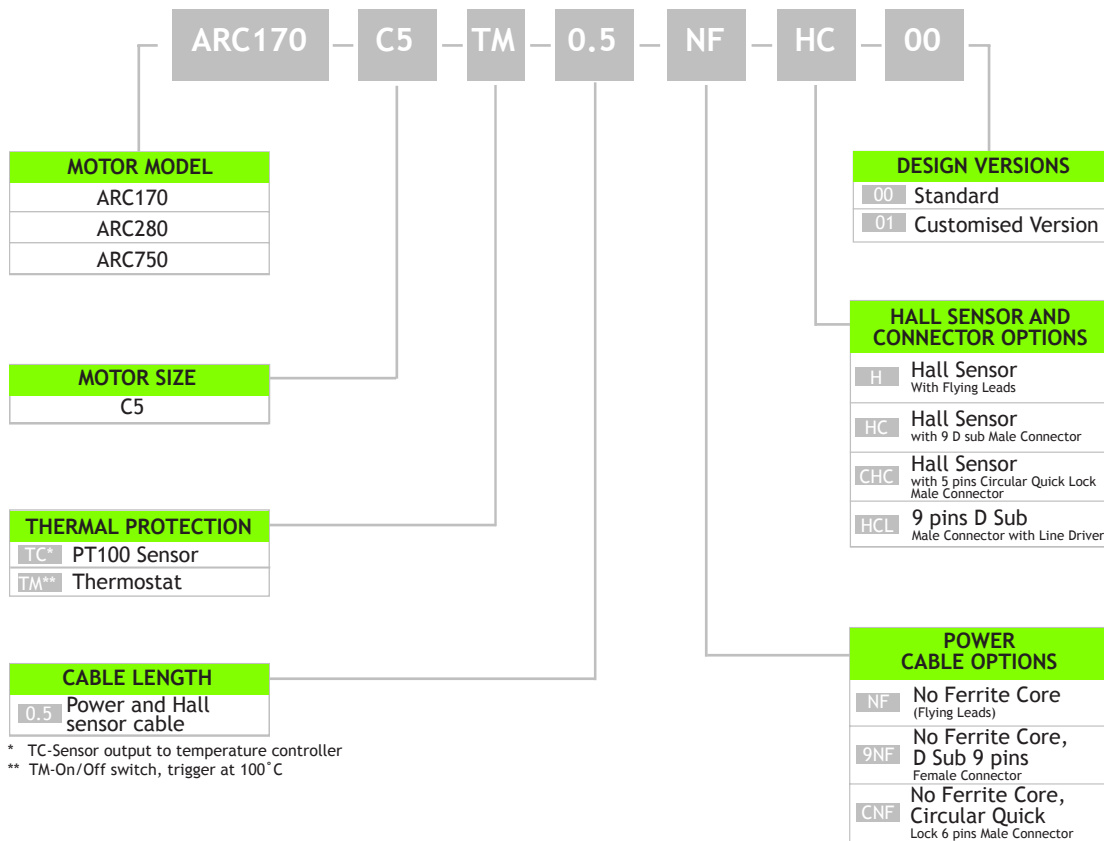
Torque Chart for ARC Motors

Torque Chart For ARC Motors

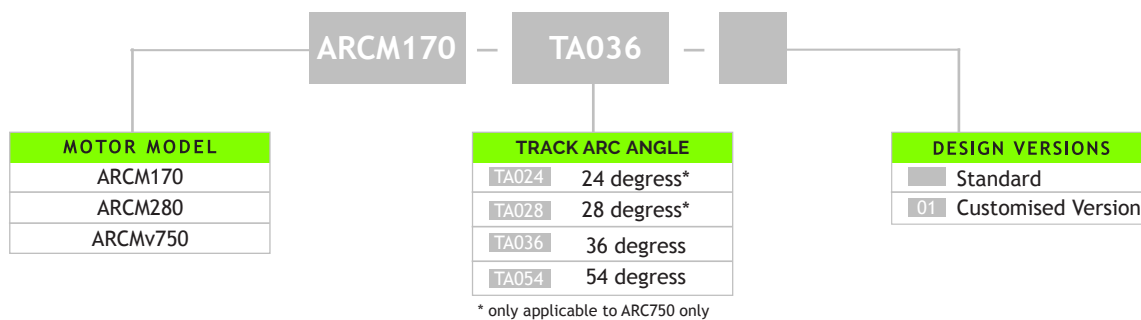


PART NUMBERING SYSTEM

COIL ASSEMBLY



MAGNET TRACK

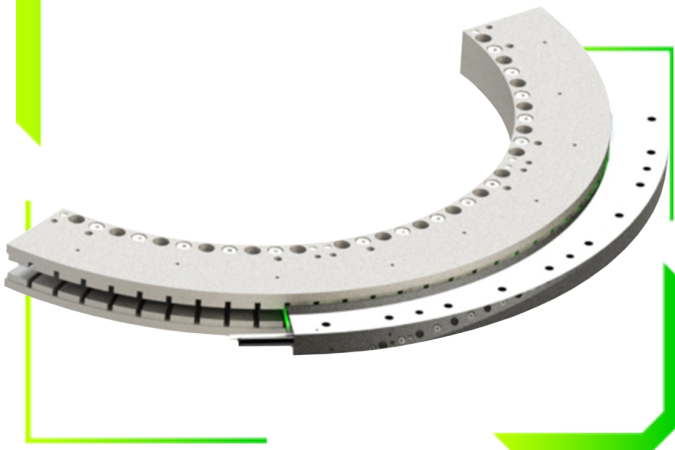


ARC SERIES

IRONLESS ARC MOTOR

ARC170

- Higher Torque Direct-Drive Ironless Motor
- Low-Profile Form Factor with Low Mass
- Large Clear Aperture
- Fast Dynamic Response

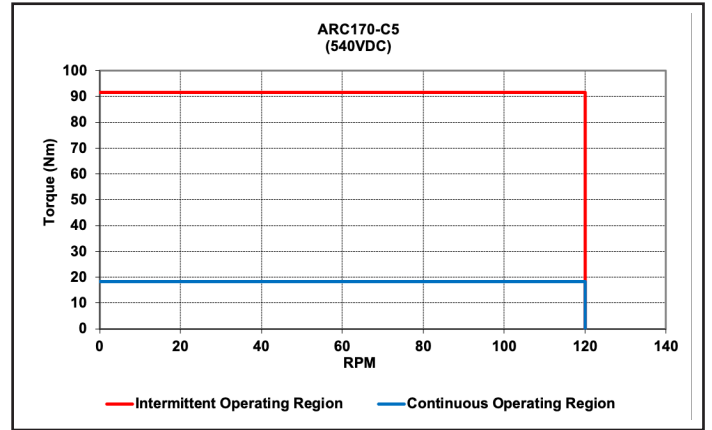
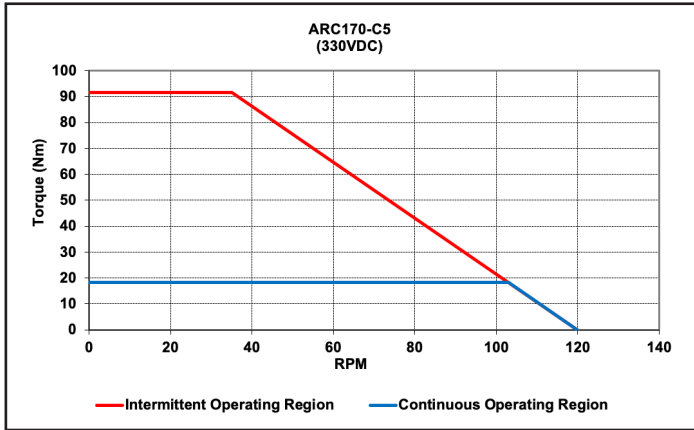


SPECIFICATION		MODEL	
		ARC170-C5	
Performance		Unit	
Peak Torque	N.m	91.5	
Continuous Torque @ 100°C	N.m	18.3	
Peak Power @ 100°C	W	2876.9	
Continuous Power @ 100°C	W	115.1	
Electrical			
Peak Current	A _{pk}	11.84	
Continuous Current @ 100°C	A _{pk}	2.37	
Continuous Stall Current @ 100°C	Arms	1.45	
Torque Constant	N.m/A _{pk}	7.7	
Back EMF Constant L-L	Vpk/rad/s	8.9	
Resistance L-L @ 25°C	Ohm	21.0	
Resistance L-L @ 100°C	Ohm	27.4	
Inductance L-L @ 1kHz (fully outside)	mH	6.5	
Motor Constant @ 100°C	N.m//W	1.6	
Max. Terminal Voltage	Vdc	540.0	
Thermal			
Thermal Resistance @ 100°C	°C/W	0.65	
Max. Winding Temperature	°C	105	
Motor Coil			
Motor Coil Weight	kg	0.85	
Electrical Time Constant	ms	0.3	
Magnet Track		ARCM170-TA36	ARCM170-TA54
Mass of Magnet Track	kg	1.07	1.61
Magnet Track Inertia	kg.m ²	0.0413	0.0621
Magnetic Period	deg	9.0	9.0

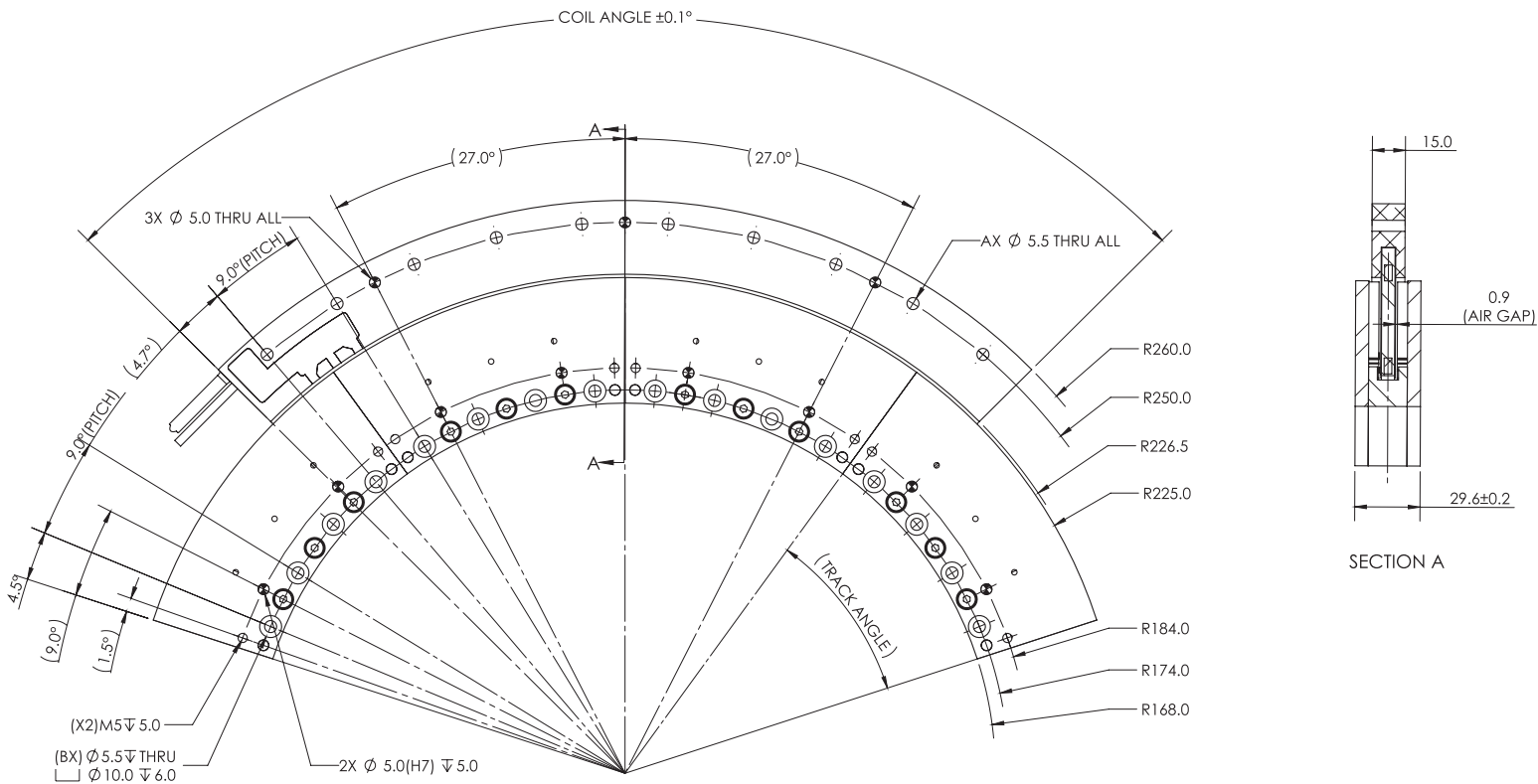
Notes:

1. A_{pk} = 1.414* Arms; V_{pk} = 1.414 *V_{rms}.
2. *Ambient temperature 25°C, nation convection, with coil mounted on arc assembly structure.
3. Specification tolerance: inductance ±30%, all others ±10%.
4. Peak force and current: 4% duty ratio and 1 second duration.
5. Specifications are subject to change without prior notice.

GRAPH: TORQUE VS SPEED



ARC170



MAGNET TRACK	B	TRACK ANGLE
ARCM170-TA036	4	36°
ARCM170-TA054	6	54°

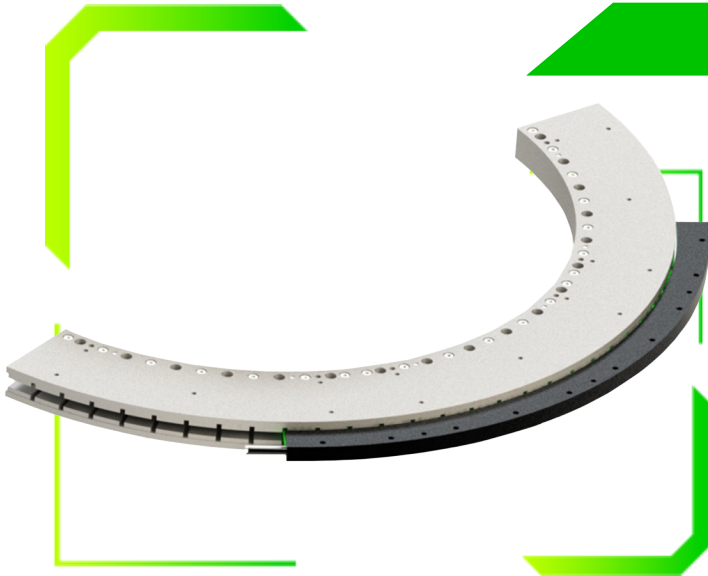
MOTOR COIL	A	COIL ANGLE
ARC170-S-C5	10	90.4°

ARC SERIES

IRONLESS ARC MOTOR

ARC280

- Higher Torque Direct-Drive Ironless Motor
- Low-Profile Form Factor with Low Mass
- Large Clear Aperture
- Fast Dynamic Response

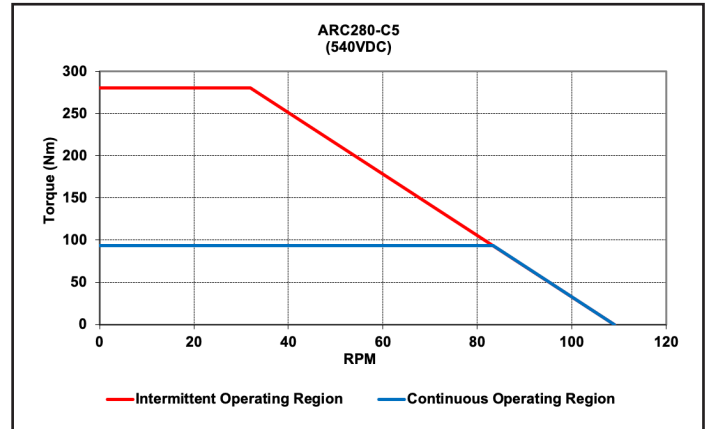
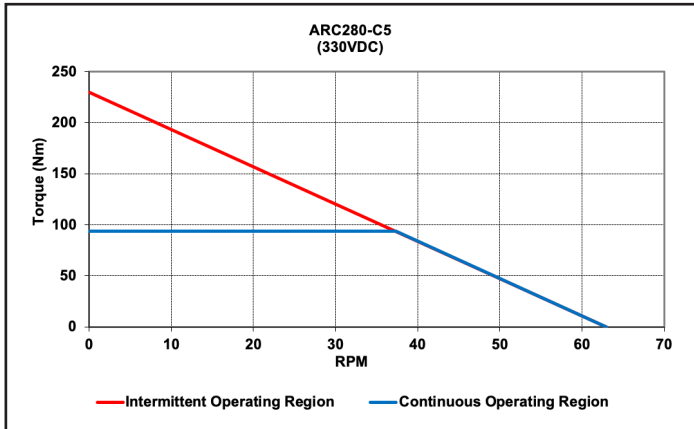


SPECIFICATION		MODEL	
		ARC280-C5	
Performance		Unit	
Peak Torque	N.m	280.5	
Continuous Torque @ 100°C	N.m	93.5	
Peak Power @ 100°C	W	2560.2	
Continuous Power @ 100°C	W	284.5	
Electrical			
Peak Current	A _{pk}	6.91	
Continuous Current @ 100°C	A _{pk}	2.30	
Continuous Stall Current @ 100°C	Arms	1.41	
Torque Constant	N.m/A _{pk}	40.6	
Back EMF Constant L-L	Vpk/rad/s	46.9	
Resistance L-L @ 25°C	Ohm	54.9	
Resistance L-L @ 100°C	Ohm	71.5	
Inductance L-L @ 1kHz (fully outside)	mH	24.9	
Motor Constant @ 100°C	N.m//W	5.5	
Max. Terminal Voltage	Vdc	540.0	
Thermal			
Thermal Resistance @ 100°C	°C/W	0.26	
Max. Winding Temperature	°C	105	
Motor Coil			
Motor Coil Weight	kg	1.5	
Electrical Time Constant	ms	0.5	
Magnet Track		ARCM280-TA36	ARCM280-TA54
Mass of Magnet Track	kg	2.8	4.2
Magnet of Track Interia	kg.m ²	0.28	0.42
Magnetic Period	deg	9.0	9.0

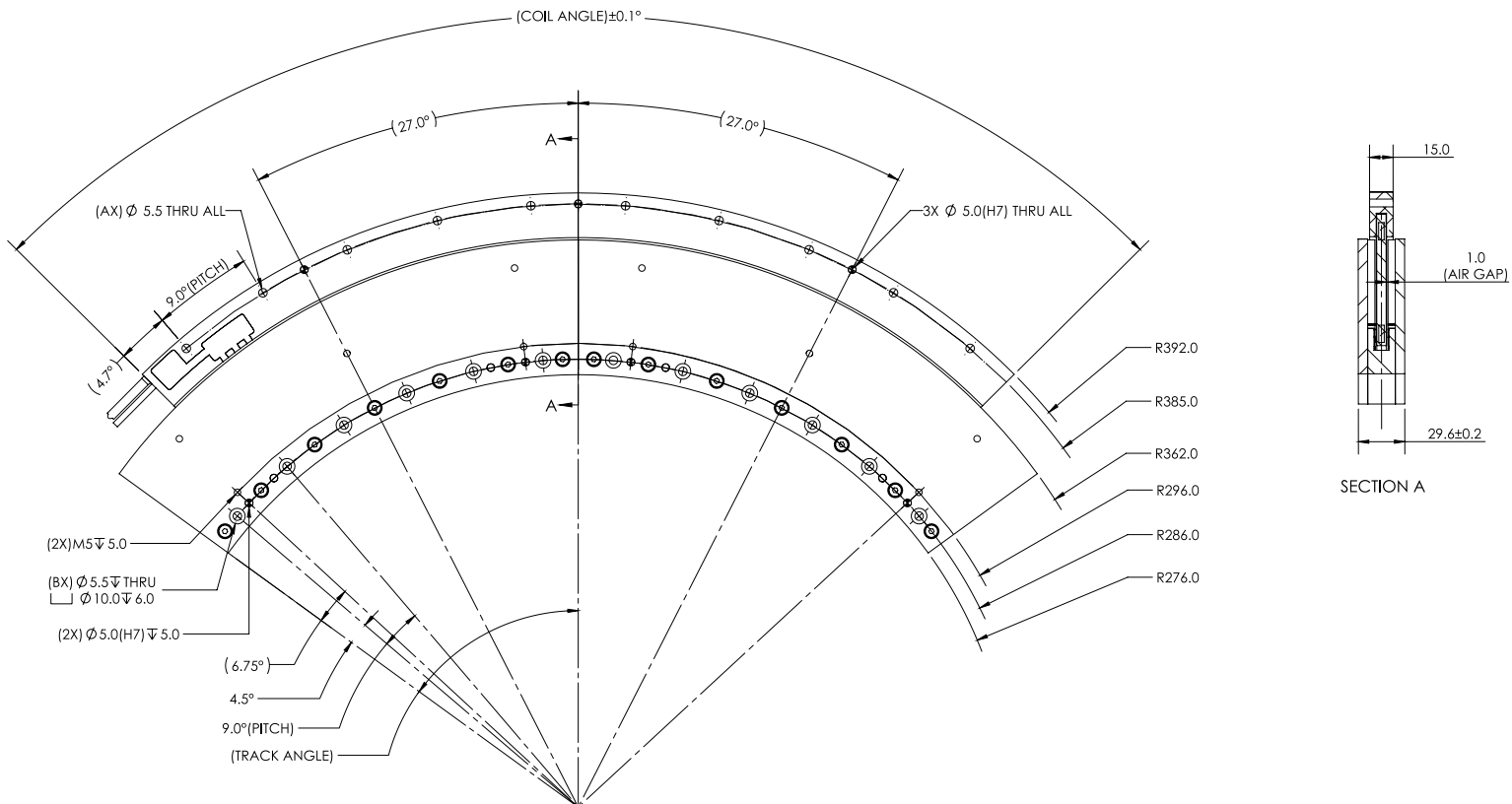
Notes:

1. A_{pk} = 1.414* Arms; V_{pk} = 1.414 *V_{rms}.
2. *Ambient temperature 25°C, nation convection, with coil mounted on arc assembly structure.
3. Specification tolerance: inductance ±30%, all others ±10%.
4. Peak force and current: 4% duty ratio and 1 second duration.
5. Specifications are subject to change without prior notice.

GRAPH: TORQUE VS SPEED



ARC280



MAGNET TRACK	B	TRACK ANGLE
ARCM280-TA036	4	36°
ARCM280-TA054	6	54°

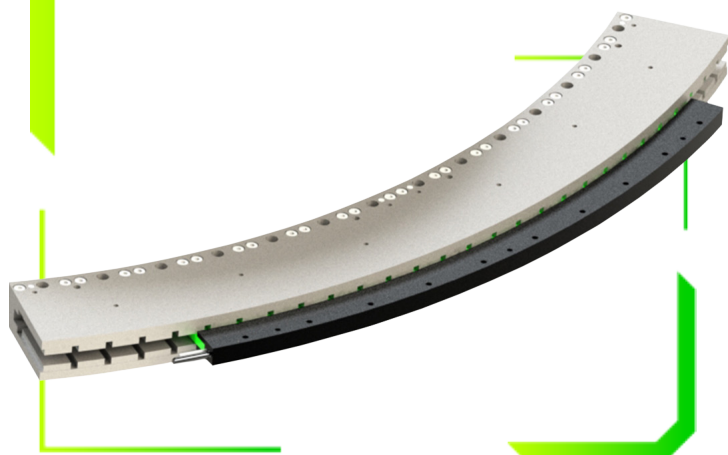
MOTOR COIL	A	COIL ANGLE
ARC280-S-C5	10	90.4°

ARC SERIES

IRONLESS ARC MOTOR

ARC750

- Higher Torque Direct-Drive Ironless Motor
- Low-Profile Form Factor with Low Mass
- Large Clear Aperture
- Fast Dynamic Response

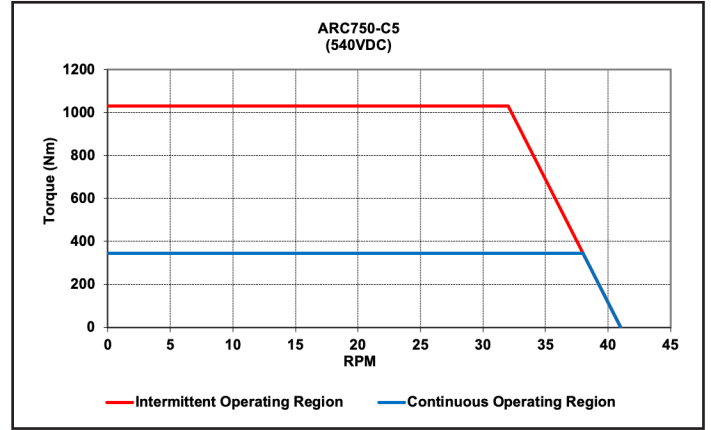
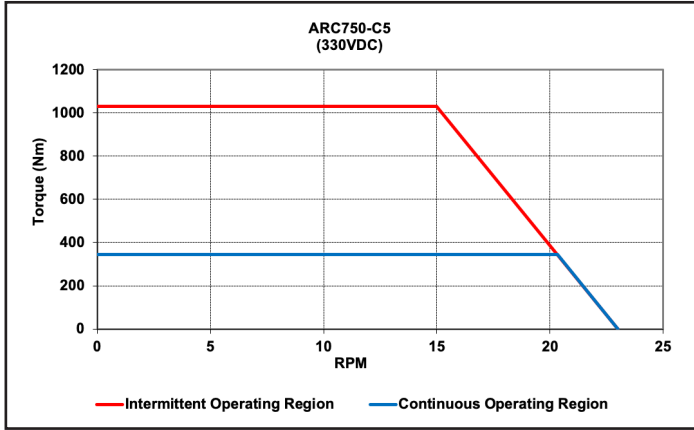


SPECIFICATION		MODEL	
		ARC750-C5	
Performance	Unit		
Peak Torque	N.m	1031.8	
Continuous Torque @ 100°C	N.m	343.9	
Peak Power @ 100°C	W	1070.3	
Continuous Power @ 100°C	W	118.9	
Electrical			
Peak Current	A _{pk}	9.55	
Continuous Current @ 100°C	A _{pk}	3.18	
Continuous Stall Current @ 100°C	Arms	1.95	
Torque Constant	N.m/A _{pk}	108.0	
Back EMF Constant L-L	V _{pk} /rad/s	124.7	
Resistance L-L @ 25°C	Ohm	12.0	
Resistance L-L @ 100°C	Ohm	15.6	
Inductance L-L @ 1kHz (fully outside)	mH	16.0	
Motor Constant @ 100°C	N.m//W	31.5	
Max. Terminal Voltage	V _{dc}	540.0	
Thermal			
Thermal Resistance @ 100°C	°C/W	0.63	
Max. Winding Temperature	°C	105	
Motor Coil			
Motor Coil Weight	kg	2.3	
Electrical Time Constant	ms	1.3	
Magnet Track		ARCM750-TA24	ARCM750-TA28
Mass of Magnet Track	kg	6.8	7.9
Magnet of Track Inertia	kg.m ²	4.4	5.2
Magnetic Period	deg	4.0	4.0

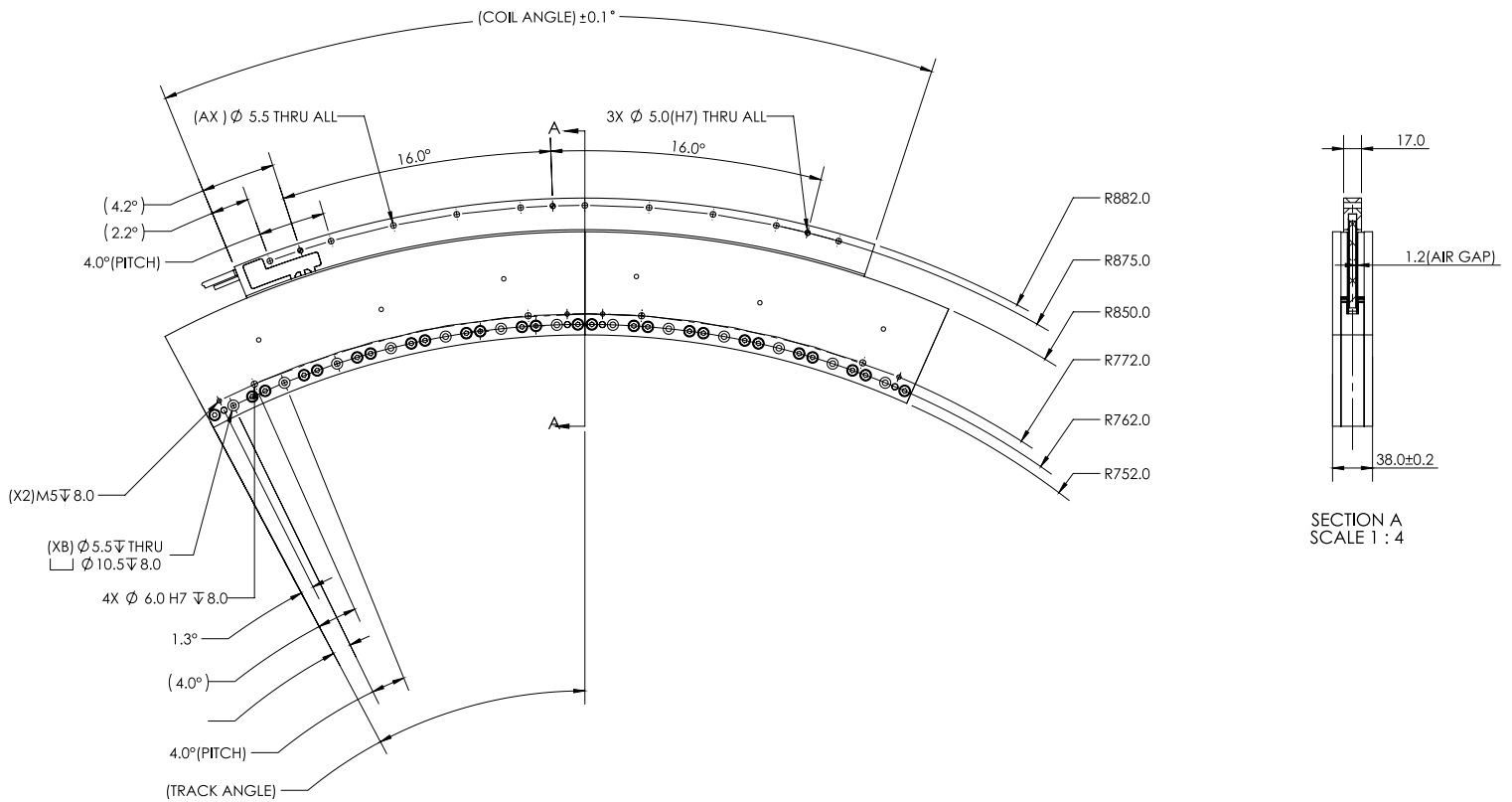
Notes:

1. A_{pk} = 1.414* Arms; V_{pk} = 1.414 *V_{rms}.
2. *Ambient temperature 25°C, nation convection, with coil mounted on arc assembly structure.
3. Specification tolerance: inductance ±30%, all others ±10%.
4. Peak force and current: 4% duty ratio and 1 second duration.
5. Specifications are subject to change without prior notice.

GRAPH: TORQUE VS SPEED



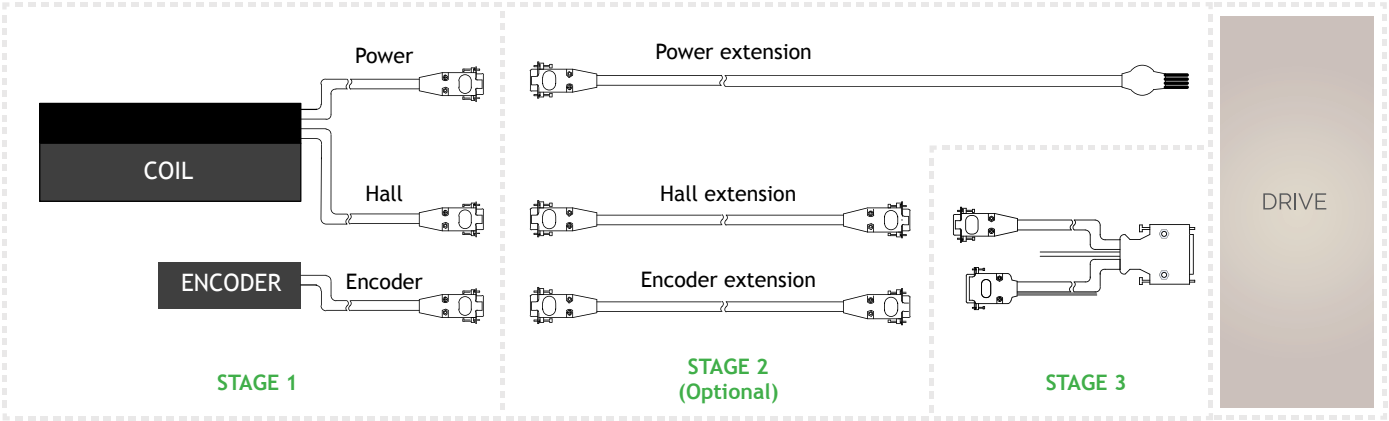
ARC750



MAGNET TRACK	B	TRACK ANGLE
ARCM750-TA024	6	24°
ARCM750-TA028	7	28°

MOTOR COIL	A	COIL ANGLE
ARC750-S-C5	10	40.4°

CABLE OPTION



THERMAL PROTECTION

The temperature in which the thermostat is active is shown as below:

MODEL	THERMAL DEVICE TYPE	THERMOSTAT (NC) OPENS AT
ARCXXX	PT100	TC: Refer to Note 1
ARCXXX	Thermostat	TM: (NC) Opens at 100°C

Note1:

- Programmable on temperature controller or analog inputs on motion controller.
- Recommended to set cut-off temperature to 100° C (max) to prevent coil damage.
- User has to ensure that the thermal protection devices are wired to appropriate electronics to ensure that the motor power cutoff is active when temperature reaches its allowable limit.

STAGE 1 | POWER AND HALL CABLE OPTION

ARC280-C5-TM-0.5-9NF-HC-00

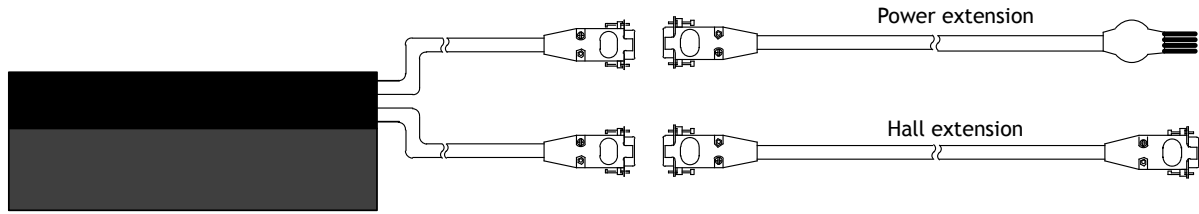
POWER CABLE OPTIONS																												
NF		<table border="1"> <tr><td>M1</td><td>Grey</td></tr> <tr><td>M2</td><td>Brown</td></tr> <tr><td>M3</td><td>Black</td></tr> <tr><td>PE</td><td>Yellow</td></tr> <tr><td>TS1</td><td>Black</td></tr> <tr><td>TS2</td><td>Orange</td></tr> </table>	M1	Grey	M2	Brown	M3	Black	PE	Yellow	TS1	Black	TS2	Orange														
M1	Grey																											
M2	Brown																											
M3	Black																											
PE	Yellow																											
TS1	Black																											
TS2	Orange																											
FC																												
9NF																												
	9 Pin D-sub Female	<table border="1"> <tr><td>P1</td><td>M1</td><td>Grey</td></tr> <tr><td>P2</td><td>M1</td><td>Black (Jumper)</td></tr> <tr><td>P3</td><td>M3</td><td>Black</td></tr> <tr><td>P4</td><td>M3</td><td>Black (Jumper)</td></tr> <tr><td>P5</td><td>M2</td><td>Brown</td></tr> <tr><td>P6</td><td>M2</td><td>Black (Jumper)</td></tr> <tr><td>P7</td><td>Temp sensor 1</td><td>Black</td></tr> <tr><td>P8</td><td>Tempo sensor 2</td><td>Orange</td></tr> <tr><td>P9</td><td>PE</td><td>Yellow</td></tr> </table>	P1	M1	Grey	P2	M1	Black (Jumper)	P3	M3	Black	P4	M3	Black (Jumper)	P5	M2	Brown	P6	M2	Black (Jumper)	P7	Temp sensor 1	Black	P8	Tempo sensor 2	Orange	P9	PE
P1	M1	Grey																										
P2	M1	Black (Jumper)																										
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P5	M2	Brown																										
P6	M2	Black (Jumper)																										
P7	Temp sensor 1	Black																										
P8	Tempo sensor 2	Orange																										
P9	PE	Yellow																										
CNF																												
	Push Pull 6 Pin Male	<table border="1"> <tr><td>P1</td><td>M1</td><td>Grey</td></tr> <tr><td>P2</td><td>M2</td><td>Brown</td></tr> <tr><td>P3</td><td>M3</td><td>Black</td></tr> <tr><td>P4</td><td>Temp Sensor 1</td><td>Black</td></tr> <tr><td>P5</td><td>Temp Sensor 2</td><td>Orange</td></tr> <tr><td>P6</td><td>PE</td><td>Yellow</td></tr> </table>	P1	M1	Grey	P2	M2	Brown	P3	M3	Black	P4	Temp Sensor 1	Black	P5	Temp Sensor 2	Orange	P6	PE	Yellow								
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P4	Temp Sensor 1	Black																										
P5	Temp Sensor 2	Orange																										
P6	PE	Yellow																										

HALL SENSOR OPTIONS																	
H		<table border="1"> <tr><td>Hall A</td><td>White</td></tr> <tr><td>Hall B</td><td>Green</td></tr> <tr><td>Hall C</td><td>Blue</td></tr> <tr><td>5V</td><td>Red</td></tr> <tr><td>0V</td><td>Black</td></tr> </table>	Hall A	White	Hall B	Green	Hall C	Blue	5V	Red	0V	Black					
Hall A	White																
Hall B	Green																
Hall C	Blue																
5V	Red																
0V	Black																
HC																	
	9 Pin D-sub Male	<table border="1"> <tr><td>P1</td><td>Hall A</td><td>White</td></tr> <tr><td>P2</td><td>Hall B</td><td>Green</td></tr> <tr><td>P3</td><td>Hall C</td><td>Blue</td></tr> <tr><td>P4</td><td>5V</td><td>Red</td></tr> <tr><td>P5</td><td>0V</td><td>Black</td></tr> </table>	P1	Hall A	White	P2	Hall B	Green	P3	Hall C	Blue	P4	5V	Red	P5	0V	Black
P1	Hall A	White															
P2	Hall B	Green															
P3	Hall C	Blue															
P4	5V	Red															
P5	0V	Black															
CHC																	
	Push Pull 5 Pin Male	<table border="1"> <tr><td>P1</td><td>Hall A</td><td>White</td></tr> <tr><td>P2</td><td>Hall B</td><td>Green</td></tr> <tr><td>P3</td><td>Hall C</td><td>Blue</td></tr> <tr><td>P4</td><td>5V</td><td>Red</td></tr> <tr><td>P5</td><td>0V</td><td>Black</td></tr> </table>	P1	Hall A	White	P2	Hall B	Green	P3	Hall C	Blue	P4	5V	Red	P5	0V	Black
P1	Hall A	White															
P2	Hall B	Green															
P3	Hall C	Blue															
P4	5V	Red															
P5	0V	Black															
HCL																	
	9 Pin D-sub Male	<table border="1"> <tr><td>P1</td><td>Hall A+</td></tr> <tr><td>P2</td><td>Hall A-</td></tr> <tr><td>P3</td><td>Hall B+</td></tr> <tr><td>P4</td><td>Hall B-</td></tr> <tr><td>P5</td><td>Hall C+</td></tr> <tr><td>P6</td><td>Hall C-</td></tr> <tr><td>P7</td><td>5V</td></tr> <tr><td>P8</td><td>0V</td></tr> </table>	P1	Hall A+	P2	Hall A-	P3	Hall B+	P4	Hall B-	P5	Hall C+	P6	Hall C-	P7	5V	P8
P1	Hall A+																
P2	Hall A-																
P3	Hall B+																
P4	Hall B-																
P5	Hall C+																
P6	Hall C-																
P7	5V																
P8	0V																

Notes: All connectors shown are front view

STAGE 2 | ARC SERIES EXTENSION CABLE

Connection example: ARC□□□-□-□-□-9NF-HC-00



Extension Cable		Part Number
Power Extension Cable		CBL_EXT_PIX1_X.X
		CBL_EXT_PIX1_CC_X.X
Hall Sensor Extension Cable		CBL_EXT_HALLO_X.X
		CBL_EXT_HALLO_CC_X.X
		CBL_EXT_HALLO_DIF_X.X
Encoder Extension Cable		CBL_EXT_REN00_X.X
		CBL_EXT_REN00A_X.X
		CBL_EXT_REN01_X.X
		CBL_EXT_REN01B_X.X
		CBL_EXT_REN05_X.X
		CBL_EXT_REN05A_X.X

CABLE		CABLE LENGTH (X.X)	
00	RGH41, VIONIC, QUANTIC Digital	0.5	0.5 meter
00A	RGH41 Analog	1.0	1.0meter
01	RH200 Digital	2.0	2.0 meter
01B	PH200 Analog	3.0	3.0 meter (standard)
05	ATOM Ri Interface Digital		
05A	ATOM Ri Interface Analog		

Notes: 1. X.X is the length of the cable in meters. 2. For customized cable length, contact PBA

Application Form - DDR Motor Selection

Customer Name:	Date (DD/MM/YY):
Contact Email:	

PBA DDR MOTOR SELECTION QUESTIONNAIRE

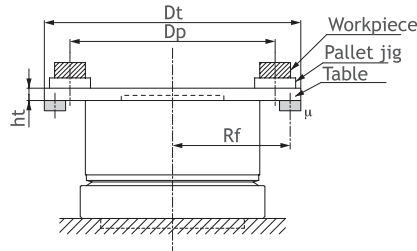
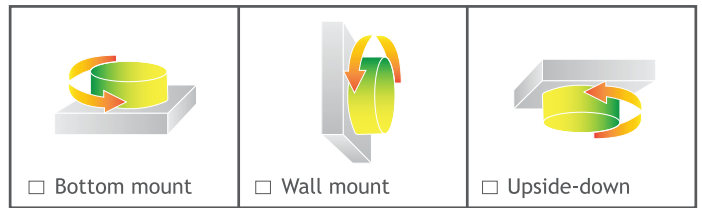
1. Application Description

1a. Application Sketch With Approx Dimensions

2. Load Parameter (Please Circle Accordingly)

a) Load moment of inertia		kg.m ²	
Frictional torque		N.m	
Table	b) Table top shape		Disk / Rectangular Plate
	Material		Steel / Aluminium
	Dimension	Dt (mm)	
	Plate thickness	ht (mm)	
	Weight	m1 (kg)	
Workpiece	c) Quantity		nw (pc.)
	Max. weight	mw (kg/pc.)	
	Installation center	Dp (mm)	
Pallet Jig	d) Quantity		np (pc.)
	Max. weight	mp (kg/pc.)	

Mounting Requirements



3. Motion Parameter

	Profile 1	Profile 2	Profile 3
Rotational angle (θ)	°		
Moving time	s		
Moving speed	rps		
Dwell time	s		

4. Command/Bus (Please Circle Accordingly)

Pulse and direction / Analog / EtherCAT / IO trigger / Other : _____

5. Encoder (Please Circle Accordingly)

Incremental / Analog		
Resolution	cpr	327680 / 518400 / 655360 / 864000

6. Motion Precision

Accuracy	arcsec	
Repeatability	arcsec	

7. Mechanical Specification (Please Circle Accordingly)

Axial run-out	um	5 / 10 / 20
Radial run-out	um	5 / 10 / 20
Space constraints (H x W)	mm	

8. Working Environment

Room temperature	°C	
Clean room class		

9. Additional Requirements (Please Tick () Accordingly)

Motor extension cable length	Flexible cable	Amplifier	Controller	Other: _____
m				

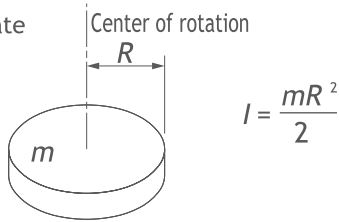
10. Remarks: If you have any special motion request for sizing procedure, please specify your requirement in below remarks.

Formula of moment of inertia

(m : Weight of object (kg))

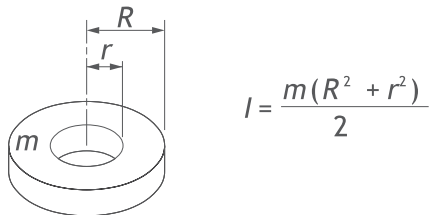
● A When rotation center is own shaft

1. Circular plate (cylinder)



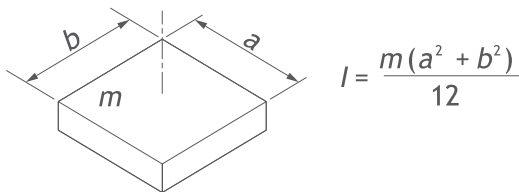
$$I = \frac{mR^2}{2}$$

2. Hollow circular plate (hollow cylinder)



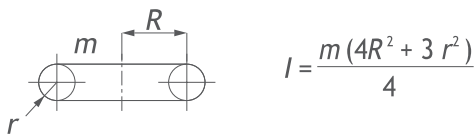
$$I = \frac{m(R^2 + r^2)}{2}$$

3. Direct hexagonal side finish body



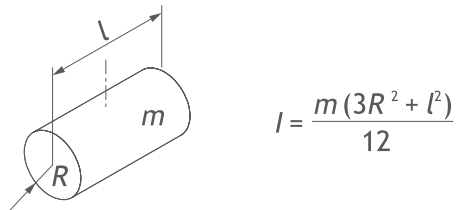
$$I = \frac{m(a^2 + b^2)}{12}$$

4. Ring



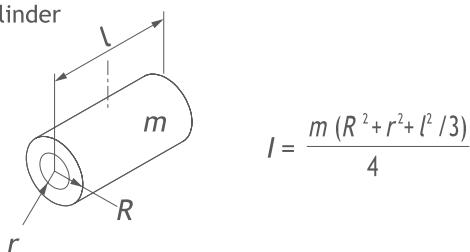
$$I = \frac{m(4R^2 + 3r^2)}{4}$$

5. Cylinder



$$I = \frac{m(3R^2 + l^2)}{12}$$

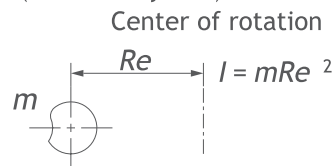
6. Hollow cylinder



$$I = \frac{m(R^2 + r^2 + l^2/3)}{4}$$

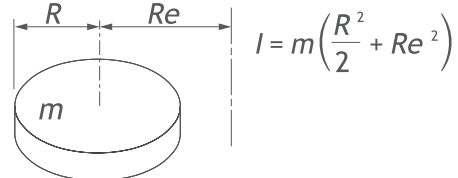
● B When rotation center differs from own shaft

1. Any shape (if small very well)



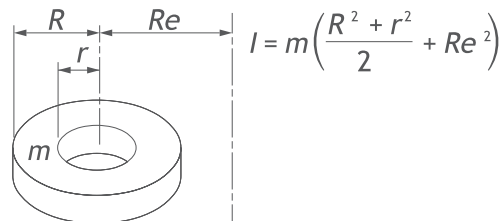
$$I = mRe^2$$

2. Circular plate (cylinder)



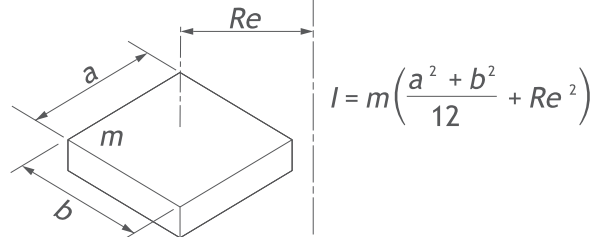
$$I = m\left(\frac{R^2}{2} + Re^2\right)$$

3. Hollow circular plate (hollow cylinder)



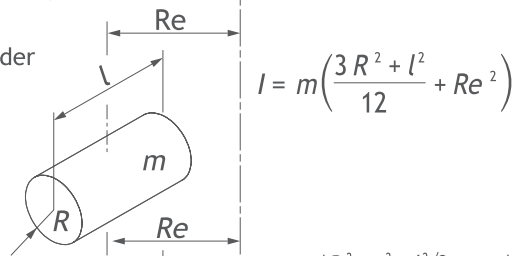
$$I = m\left(\frac{R^2 + r^2}{2} + Re^2\right)$$

4. Direct hexagonal side finish body



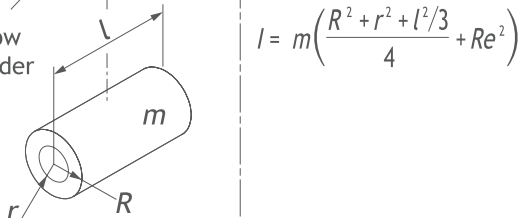
$$I = m\left(\frac{a^2 + b^2}{12} + Re^2\right)$$

5. Cylinder



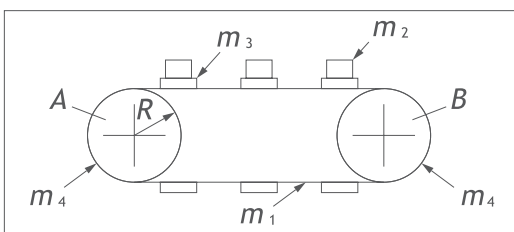
$$I = m\left(\frac{3R^2 + l^2}{12} + Re^2\right)$$

6. Hollow cylinder



$$I = m\left(\frac{R^2 + r^2 + l^2/3}{4} + Re^2\right)$$

● For conveyer



m_1 : Chain weight

m_2 : Workpiece total weight

m_3 : Jig (pallet) total weight

m_4 : Sprocket A (drive) + B total weight

R : Drive side sprocket radius

$$I = (m_1 + m_2 + m_3 + \frac{m_4}{2}) \cdot R^2$$

PBA SYSTEMS LINEAR MOTOR SIZER SOFTWARE



PBA Systems is a one-stop robotics provider with a focus on the development of core technology to offer a robust range of products and solutions in precision robotics and general robotics - enabling companies to thrive by making Industry 4.0 technology accessible to the market.

Our core strength is in design, development, and manufacturing of direct drive motor design and manufacturing, motion control, and precision modular assemblies.

Address:
**505 Yishun Industrial Park, A,
 Singapore 768733**

Contact Us:
**Tel: +(65) 6576 6766
 Fax: +(65) 6576 6768**



PBA SYSTEMS LINEAR MOTOR SIZER SOFTWARE

PBA Systems Motor Sizer Software is available to download from our website to assist in the calculation and selection.

Kindly visit us at www.pbasystems.com.sg or simply scan the QR CODE

SIMULATED PERFORMANCE CHARTS

PBA Motor Sizer

Application Version: 10.7.0.0 | Local Database Version: 7.0.16 | Server Database Version: 7.0.16

Guest About PBA Online

Motor Sizer

Project Details
 Customer Name: PBA | Project Name: XYZ | Date: 6/1/2022 | Project Data Version: 7.0.16

Axis Details
 Axis Name: X | Motor Category: DXB | Safety Margin: 20 | 300

Profiles

No	Motion Profile	Travel Distance (m)	Travel Time (s)	Max. Speed (m/s)	Max. Accel. (m/s ²)	Dwell Time (s)	Mass of Load (Kg)	Angle Of Incl. (°)	Direction	Coefficient of Friction	Opposing Force (N)	Ambient Temp. (°C)	RMS Force (N)	Peak Force (N)	Frictional Force (N)	Accel. Time (s)	Cruise Time (s)	Decel. Time (s)	Total Time (s)
1	Trapezoidal	1.000	1.000	1.500	4.500	0.100	10.000	0.000	▶	0.003	0.000	30.000	35.034	45.294	0.294	0.333	0.333	0.333	1.100
2	Trapezoidal	0.500	1.000	0.750	2.250	0.000	20.000	0.000	▶	0.003	0.000	30.000	36.747	45.589	0.589	0.333	0.333	0.333	1.000
3	Trapezoidal	0.500	1.000	0.750	2.250	0.000	30.000	0.000	▶	0.003	0.000	30.000	55.121	68.383	0.883	0.333	0.333	0.333	1.000

Final Calculations for Axis

Required RMS Force	43.026 N	Recommended Motor	Safety (%)
Required Peak Force	68.383 N	DX30B-C2-S	32
Total Travel Distance	2.000 m	DX30B-C2-P	32
Total Cycle Time	3.100 s	DX50B-C2-S	101
Total Dwell Time	0.100 s	DX50B-C2-P	101
Max Speed	1.500 m/s	DX50BT-C2-P	101
Max Acceleration	4.500 m/s ²	DX50BT-C4-P	294
Max. Ambient Temp.	30.000 °C		

Selected Motor
 Motor: DX50B-C2-S

Continuous Force	89.00 N	L To L Resistance	8.40 ohm
Peak Force	446.00 N	L To L Inductance	6.22 mH
Continuous Current	2.63 A	Continuous Power	60.00 W
Peak Current	13.13 A	Peak Power	1502.00 W
Motor Constant	11.51 N/VV	Coil Weight	0.520 kg
Force Constant	34.00 N/A	Coil Length	121.00 mm
Back EMF Constant	39.10 V/(m/s)	Attractive Force	0.00 N

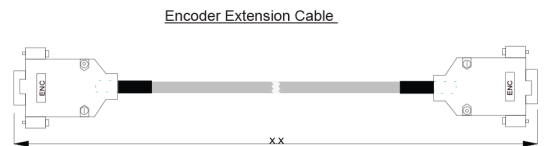
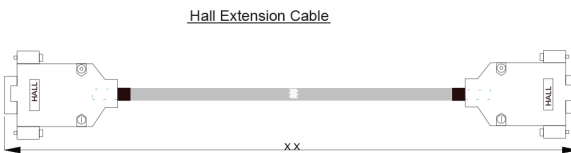
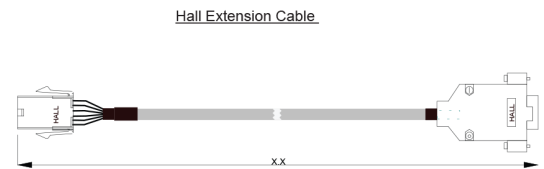
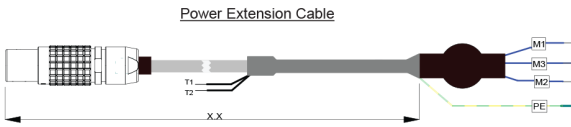
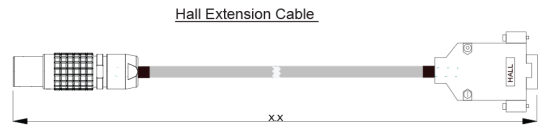
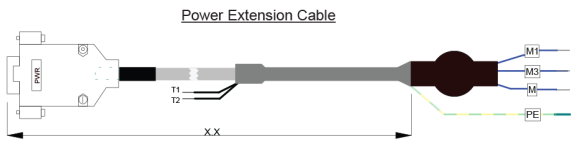
Calculated Motor Values for Application

Reqd. RMS Force	44.21 N	Reqd. Peak Force	69.57 N
Cont. Current	1.30 A	Peak Current	2.05 A
Coil Temp	48.03 °C	DC Bus Voltage	70.42 V
Safety Factor	101.29 %		

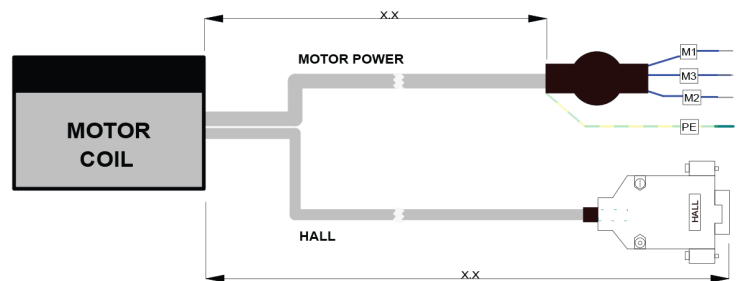
Servo Drive Model: MT-6/25-230AP1

Cont. Current	6.30 A	Peak Current	25.40 A
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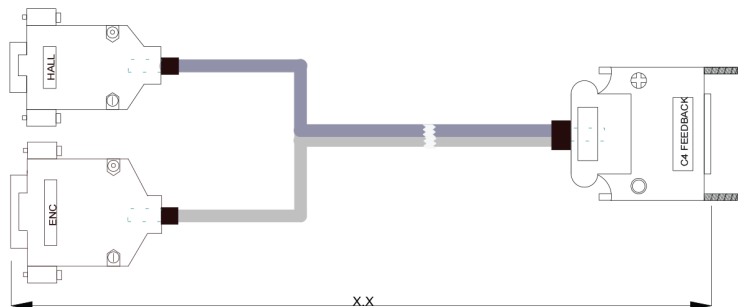
APPENDIX



MOTOR POWER HALL CABLE



MAXTUNE FEEDBACK CABLE



Notes:

1. X.X is the length of the cable in meter with a tolerance of $+ 0.10$
 $- 0$
2. All measurements are in meters (m) unless stated