

ML24HC / PL24HC Series: 1.2° - Size 24, 3 Phase

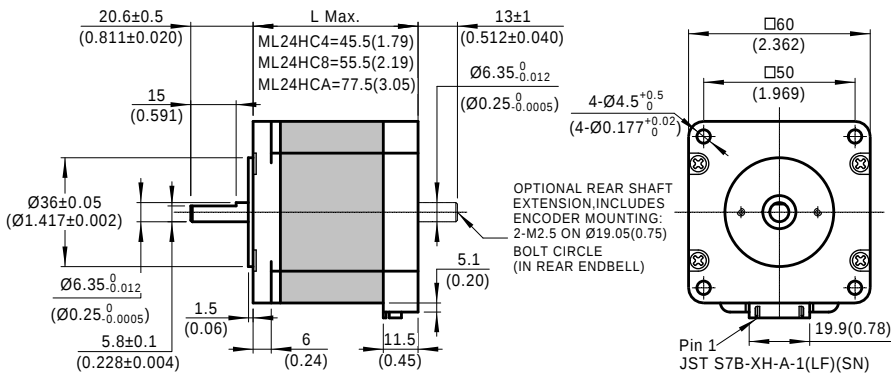
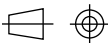


- Phases 3
- Steps / Revolution 300
- Step Accuracy ±5%
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 40 N (9 Lbs.) Push
130 N (30 Lbs.) Pull
 - Radial 70 N (15.5 Lbs.) At Flat Center
- IP Rating 40
- Approvals RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

M L24HC 4 P 3 150 -E

Motor Technology		Options	
M	High Torque Step Motor	Omit	No Options
P	PowerPlus Step Motor	-E	0.25 inch Diameter Rear Shaft with Encoder Mounting Holes
Basic Motor Length (Max)		Winding	
4	45mm (1.77 in.)	###	Current rating x 100
8	55mm (2.17 in.)		
A	77mm (3.03 in.)		
	1 Stack		
	2 Stack		
Electrical Connection		Number of Connections	
L	Leads	3	3 Lead-Bipolar
P	Plug-In Connector		

Dimensions: mm (in)



ML24HC – 3 Phase

Length	Model Number	Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20°C	Typ.	mNm oz-in		g cm ² oz-in ²		kg Lbs	
45 mm (1.77 in.)	^ ML24HC4P3150	P	1.5	0.72	100	4.8	8.9	28	4	159	0.87	0.65	1.4
	^ ML24HC4P3230	P	2.3	0.72	100	2.1	3.8						
	^ ML24HC4L3410	L	4.1	0.72	100	0.7	1.2						
55 mm (2.17 in.) 1 Stack	^ ML24HC8P3150	P	1.5	0.97	140	6	15.1	45	6.4	221	1.2	0.85	1.9
	^ ML24HC8P3220	P	2.2	0.97	140	2.7	6.9						
	^ ML24HC8L3350	L	3.5	0.97	140	1.09	2.7						
	^ ML24HC8L3550	L	5.5	0.97	140	0.46	1.1						
77 mm (3.03 in.) 2 Stack	^ ML24HCAP3150	P	1.5	1.70	240	7.3	19.6	75	11	391	2.1	1.35	3
	^ ML24HCAP3220	P	2.2	1.70	240	3.6	9.3						
	^ ML24HCAL3340	L	3.4	1.70	240	1.49	3.7						
	^ ML24HCAL3550	L	5.5	1.70	240	0.61	1.5						

^ Preferred model

PL24HC - PowerPlus – 3 Phase

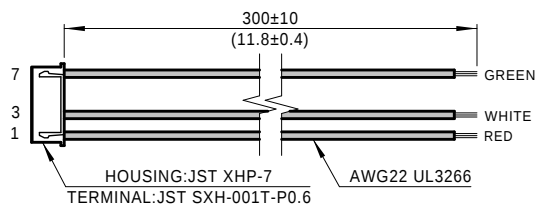
Length	Model Number	Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20°C	Typ.	mNm oz-in		g cm ² oz-in ²		kg Lbs	
45 mm (1.77 in.)	^ PL24HC4P3150	P	1.5	0.87	120	4.8	7	55	7.8	159	0.87	0.73	1.6
	^ PL24HC4P3230	P	2.3	0.87	120	2.1	3						
	^ PL24HC4L3410	L	4.1	0.87	120	0.67	0.94						
55 mm (2.17 in.) 1 Stack	^ PL24HC8P3150	P	1.5	1.40	200	6	12.2	90	13	221	1.2	0.93	2.1
	^ PL24HC8P3220	P	2.2	1.40	200	2.7	5.5						
	^ PL24HC8L3350	L	3.5	1.40	200	1.09	2.2						
	^ PL24HC8L3550	L	5.5	1.40	200	0.46	0.9						
77 mm (3.03 in.) 2 Stack	^ PL24HCAP3150	P	1.5	2.30	330	7.3	15.7	150	21	391	2.1	1.45	3.2
	^ PL24HCAP3220	P	2.2	2.30	330	3.6	7.4						
	^ PL24HCAL3340	L	3.4	2.30	330	1.49	3						
	^ PL24HCAL3550	L	5.5	2.30	330	0.61	1.15						

^ Preferred model

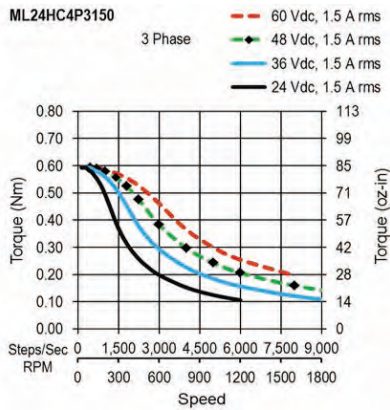
Mating Connector With Leads (order separately)

Dimensions: mm (in)

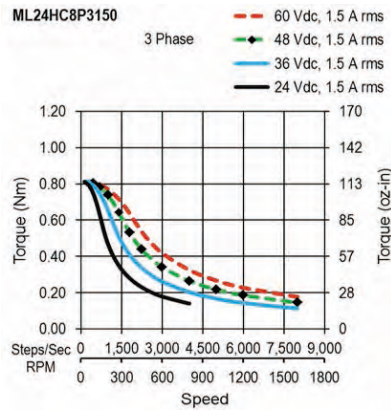
3 Lead Part Number 4634 1402 04485



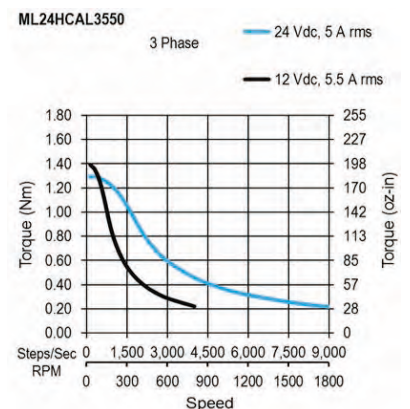
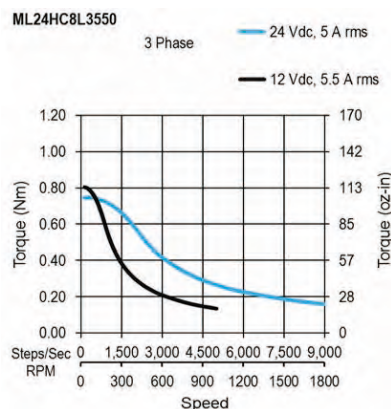
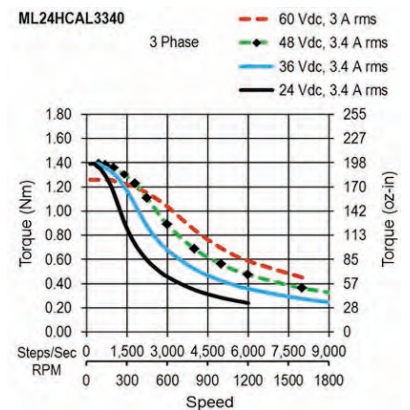
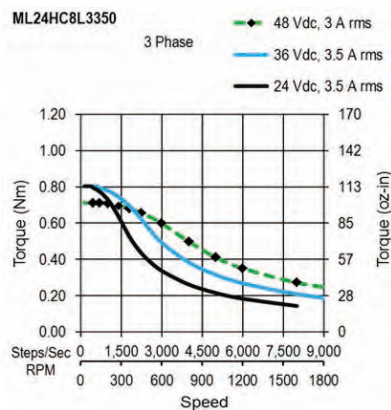
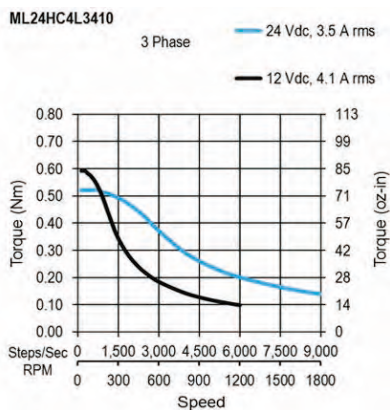
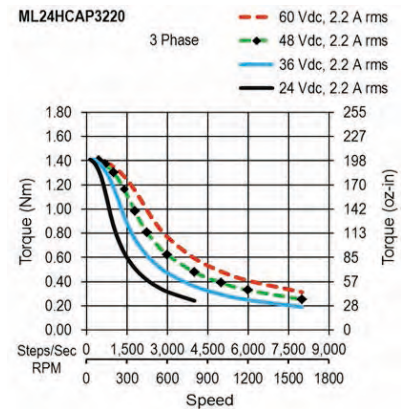
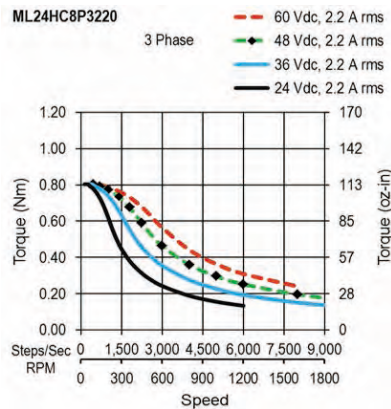
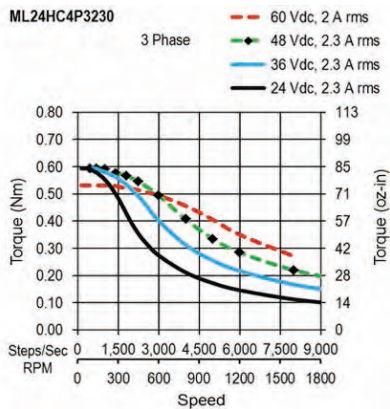
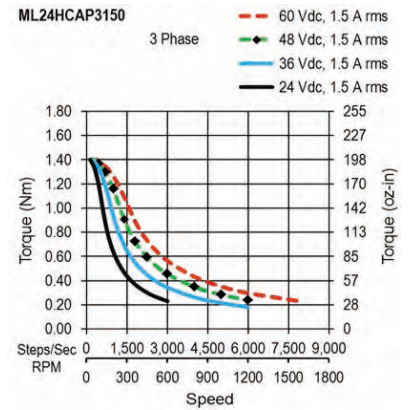
ML24HC4



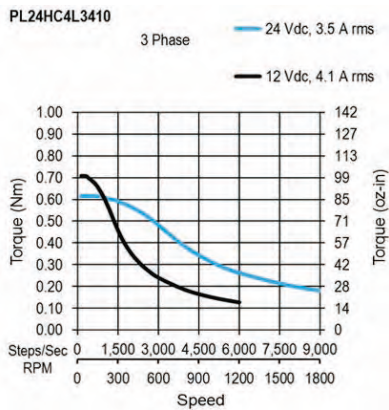
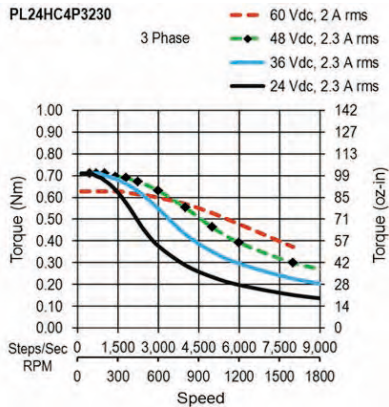
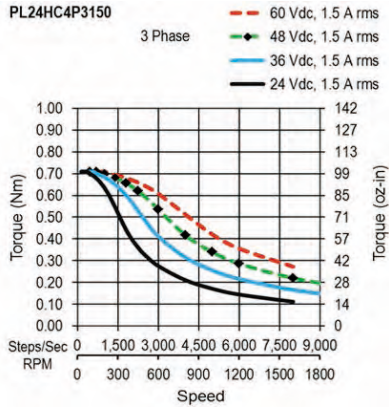
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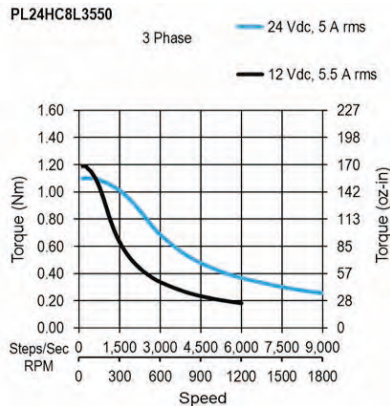
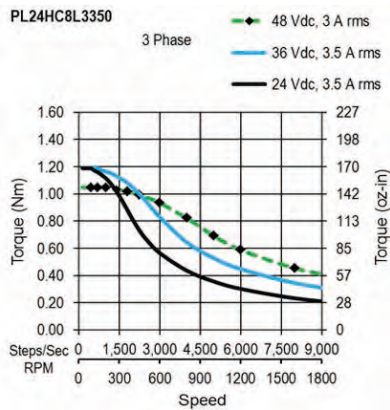
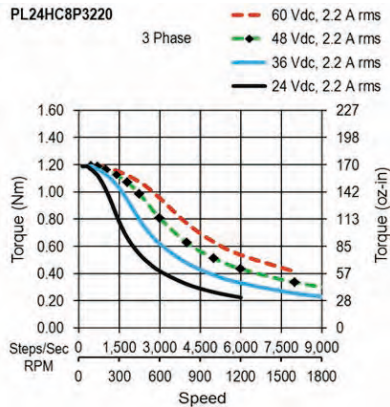
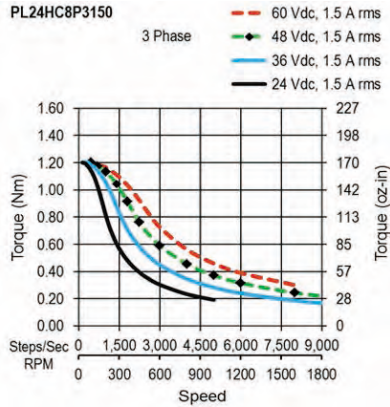
ML24HCA



PowerPlus PL24HC4



PowerPlus PL24HC8



PowerPlus PL24HCA

