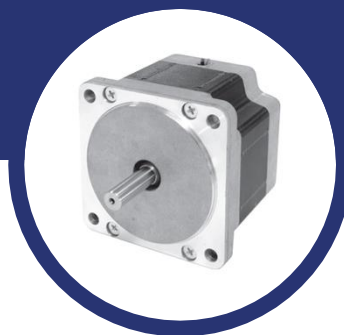


NEMA 34 PowerPlus Hybrid Stepper Motor



Key Features

- Ultra High Torque
- High Efficiency
- High Accuracy
- Step angle: 1.8°

General Specifications

- Bi-polar

Part Number	Length (mm)	Connect P=Plug L=Leads	Holding Torque (mNm)	Resistance per Phase (Ω)	Inductance per Phase (mH)	Detent Torque (mNm)
PL34HD0L4160	67	L	4700	3.9	33	135
PL34HD0L4350	67	L	4750	0.95	7.6	135
PL34HD0L4350-E	67	L	4750	0.95	7.6	135
PL34HD0L4500	67	L	4750	0.48	3.6	135
PL34HD0L4500-E	67	L	4750	0.48	3.6	135
PL34HD0L4700	67	L	4750	0.26	1.89	135
PL34HD0L4700-E	67	L	4750	0.26	1.89	135
PL34HD0L4X00	67	L	4750	0.138	0.91	135
PL34HD1L4200	97	L	9200	3.6	40	225
PL34HD1L4350	97	L	9000	1.34	12.8	225
PL34HD1L4350-E	97	L	9000	1.34	12.8	225
PL34HD1L4500	97	L	9000	0.61	6.4	225
PL34HD1L4500-E	97	L	9000	0.61	6.4	225

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PL34HD1L4700	97	L	9000	0.36	3.2	225
PL34HD1L4700-E	97	L	9000	0.36	3.2	225
PL34HD1L4X00	97	L	9000	0.188	1.6	225
PL34HD2L4200	126	L	12700	4.1	51	300
PL34HD2L4350	126	L	12380	1.44	16.1	300
PL34HD2L4350-E	126	L	12380	1.44	16.1	300
PL34HD2L4500	126	L	12250	0.72	7.5	300
PL34HD2L4500-E	126	L	12250	0.72	7.5	300
PL34HD2L4700	126	L	12380	0.38	4	300
PL34HD2L4700-E	126	L	12380	0.38	4	300
PL34HD2L4X00	126	L	12250	0.22	1.87	300
PL34HD3L4230	157	L	15000	3.9	47	375
PL34HD3L4350	157	L	15000	1.81	20	375
PL34HD3L4500	157	L	15000	0.9	9.4	375
PL34HD3L4700	157	L	15000	0.47	5	375
PL34HD3L4X00	157	L	15000	0.24	2.3	375

Stegia AB

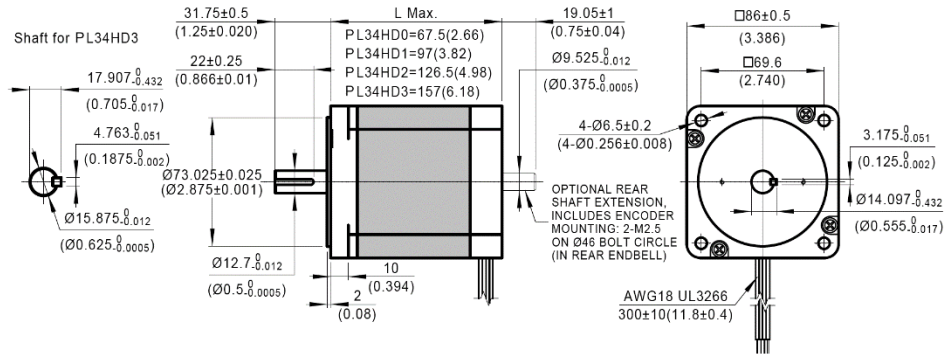
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Mechanical Dimensions

Series	L (mm)	Mass (kg)
PL34HD0	67	1.6
PL34HD1	97	2.7
PL34HD2	126	3.8
PL34HD3	157	4.9

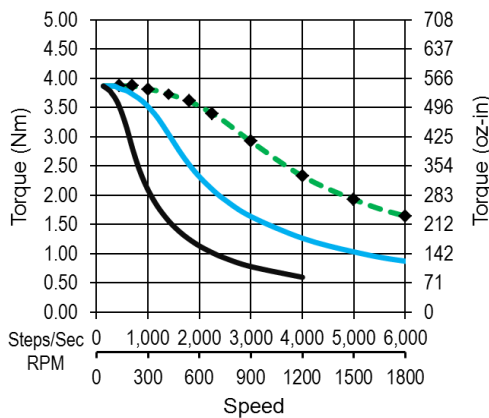


Dynamic Torque Curves

PL34HD0L4160

- 320 Vdc, 1.6 A rms
- 160 Vdc, 1.6 A rms
- 72 Vdc, 1.6 A rms

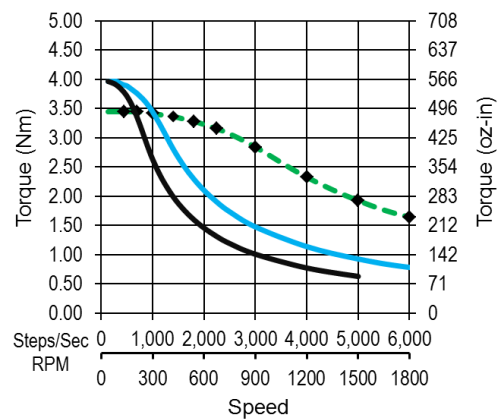
Bipolar Drive



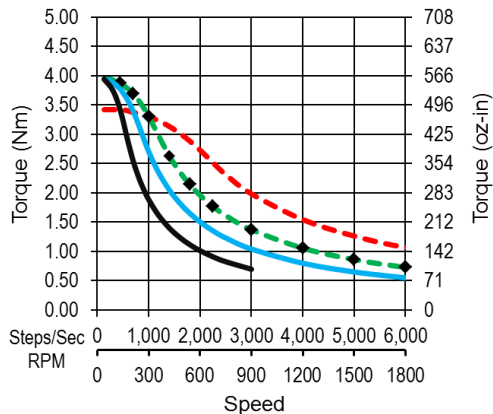
PL34HD0L4350 PL34HD0L8350

- 160 Vdc, 2.8 A rms
- 72 Vdc, 3.5 A rms
- 48 Vdc, 3.5 A rms

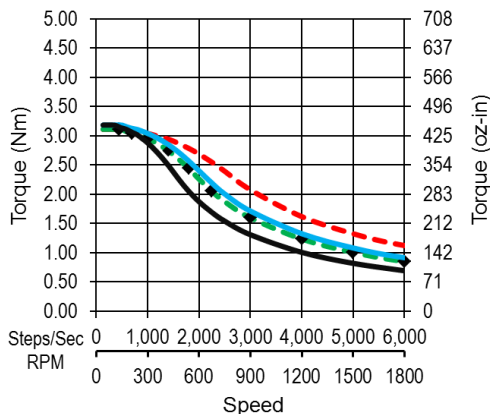
Bipolar Drive



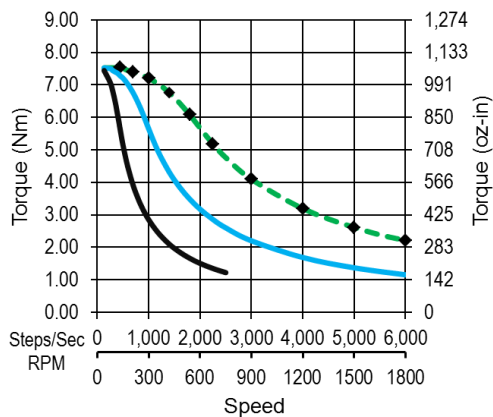
PL34HD0L4500 PL34HD0L8500
 Bipolar Drive
 72 Vdc, 4 A rms
 48 Vdc, 5 A rms
 36 Vdc, 5 A rms
 24 Vdc, 5 A rms



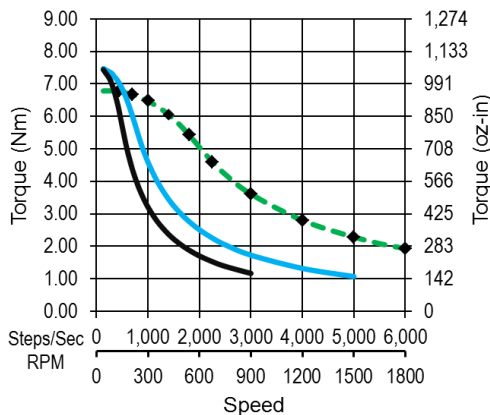
PL34HD0L4X00 PL34HD0L8500
 Bipolar Drive
 48 Vdc, 7 A rms
 36 Vdc, 7 A rms
PL34HD0L4700 PL34HD0L8350
 Bipolar Drive
 48 Vdc, 5 A rms
 36 Vdc, 5 A rms



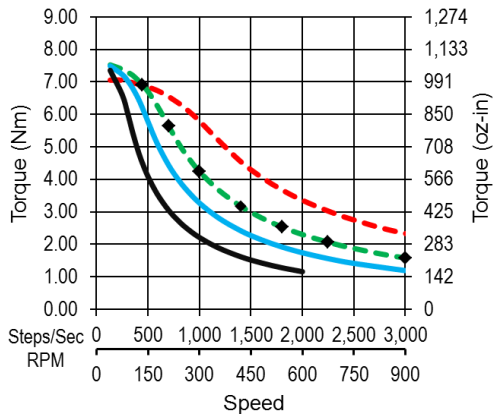
PL34HD1L4200
 Bipolar Drive
 320 Vdc, 2 A rms
 160 Vdc, 2 A rms
 72 Vdc, 2 A rms



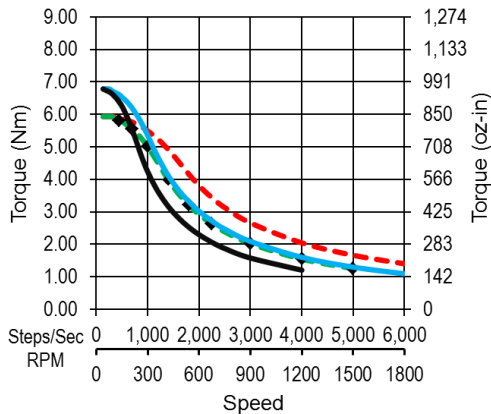
PL34HD1L4350 PL34HD1L8350
 Bipolar Drive
 160 Vdc, 3 A rms
 72 Vdc, 3.5 A rms
 48 Vdc, 3.5 A rms



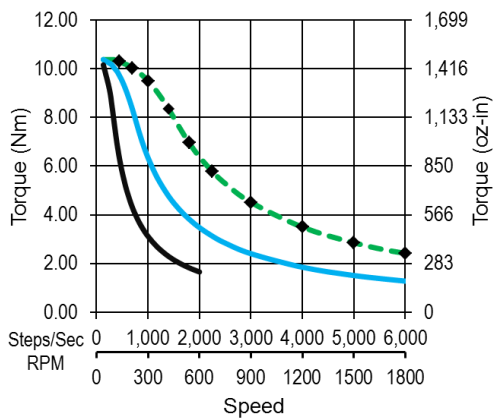
PL34HD1L4500 PL34HD1L8500 --- 72 Vdc, 4.5 A rms
 Bipolar Drive ◆ 48 Vdc, 5 A rms
 — 36 Vdc, 5 A rms
 — 24 Vdc, 5 A rms



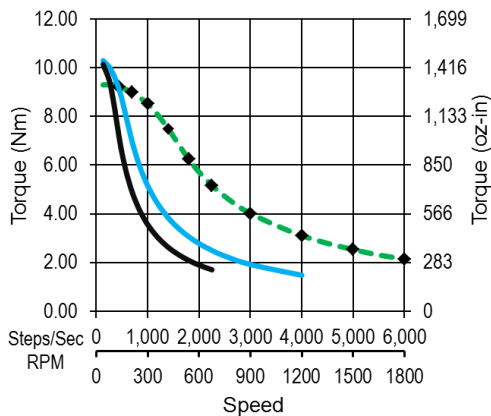
PL34HD1L4X00 PL34HD1L8500 --- 48 Vdc, 7 A rms
 Bipolar Drive ◆ 36 Vdc, 7 A rms
PL34HD1L4700 PL34HD1L8350 --- 48 Vdc, 6 A rms
 Bipolar Drive — 36 Vdc, 6 A rms



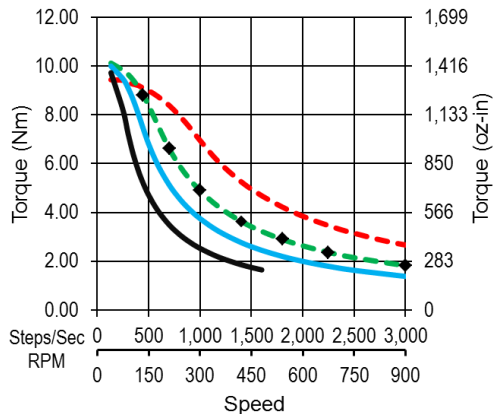
PL34HD2L4200 ◆ 320 Vdc, 2 A rms
 Bipolar Drive — 160 Vdc, 2 A rms
 — 72 Vdc, 2 A rms



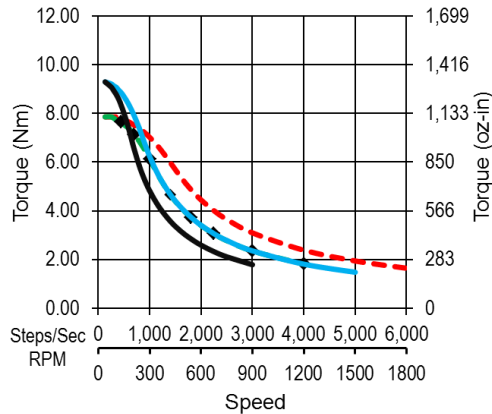
PL34HD2L4350 PL34HD2L8350 ◆ 160 Vdc, 3 A rms
 Bipolar Drive — 72 Vdc, 3.5 A rms
 — 48 Vdc, 3.5 A rms



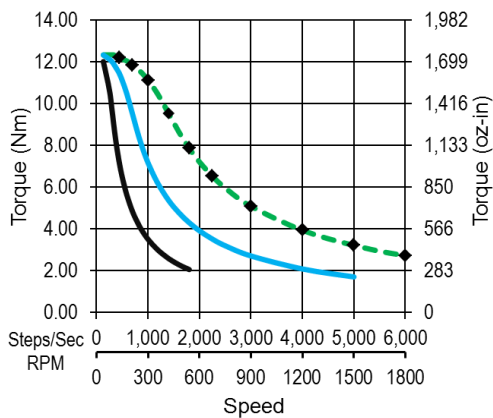
PL34HD2L4500 PL34HD2L8500 --- 72 Vdc, 4.5 A rms
 Bipolar Drive ◆ 48 Vdc, 5 A rms
 — 36 Vdc, 5 A rms
 — 24 Vdc, 5 A rms



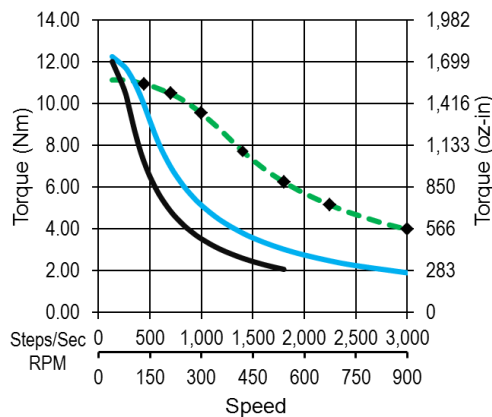
PL34HD2L4X00 PL34HD2L8500 --- 48 Vdc, 7 A rms
 Bipolar Drive ◆ 36 Vdc, 7 A rms
PL34HD2L4700 PL34HD2L8350 --- 48 Vdc, 6 A rms
 Bipolar Drive — 36 Vdc, 6 A rms



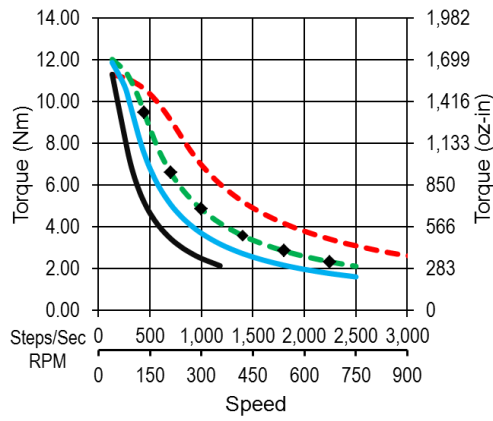
PL34HD3L4230 ◆ 320 Vdc, 2.3 A rms
 Bipolar Drive — 160 Vdc, 2.3 A rms
 — 72 Vdc, 2.3 A rms



PL34HD3L4350 PL34HD3L8350 ◆ 160 Vdc, 3 A rms
 Bipolar Drive — 72 Vdc, 3.5 A rms
 — 48 Vdc, 3.5 A rms



PL34HD3L4500 PL34HD3L8500 72 Vdc, 4.5 A rms
 Bipolar Drive 48 Vdc, 5 A rms
 36 Vdc, 5 A rms
 24 Vdc, 5 A rms



PL34HD3L4X00 PL34HD3L8500 48 Vdc, 7 A rms
 Bipolar Drive 36 Vdc, 7 A rms
 PL34HD3L4700 PL34HD3L8350 48 Vdc, 6 A rms
 Bipolar Drive 36 Vdc, 6 A rms

