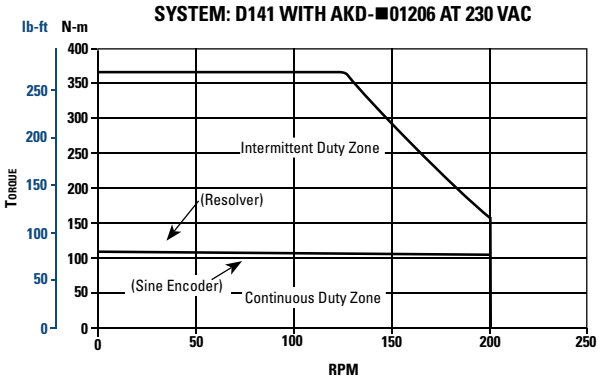
Housed DDR D14X Performance Data

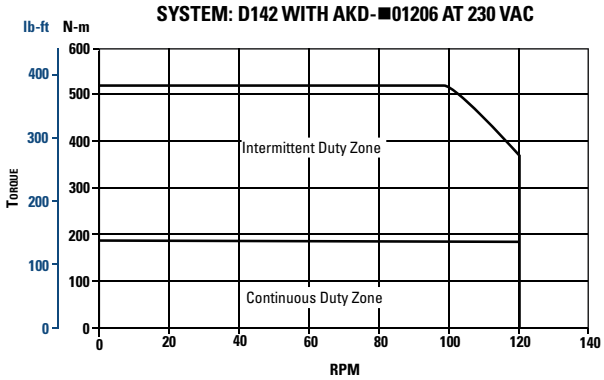
230 VAC

System Performance:		Symbols	Units	D141M	D142M	D143M
Peak Torque		Tp	lb-ft (N-m)	271 (367)	383 (519)	989 (1341)
Continuous[1] Torque 40°C	Sine Encoder	Tc	lb-ft (N-m)	80.0 (108)	135 (183)	250 (339)
Max. Operating Speed		N max	rpm (rps)	200 (3.3)	120 (2.0)	60 (1.0)
Sine Encoder System	Resolution	-	counts/rev	134,217,728	134,217,728	134,217,728
	Repeatability	-	arc/sec	< 1	< 1	< 1
	Accuracy	-	arc/sec	±26	±26	±26
System Performance:		**Symbols**	**Units**	**D141M**	**D142M**	**D143M**
Mechanical: Weight		Wt	lb kg	131 (59.4)	191 (86.6)	323 (146)
Rotor Inertia		Jm	lb-ft-sec^2 (kg-m^2)	0.120 (0.163)	0.202 (0.274)	0.400 (0.542)
Static Friction Adder for Sealed Units		Tf	lb-ft (N-m)	2.6 (3.5)	2.6 (3.5)	2.6 (3.5)
Max. Dynamic Axel Compression Load (See Page 11 for Details)		-	lbf (kg)	12,700 (5,760)	12,700 (5,760)	12,700 (5,760)

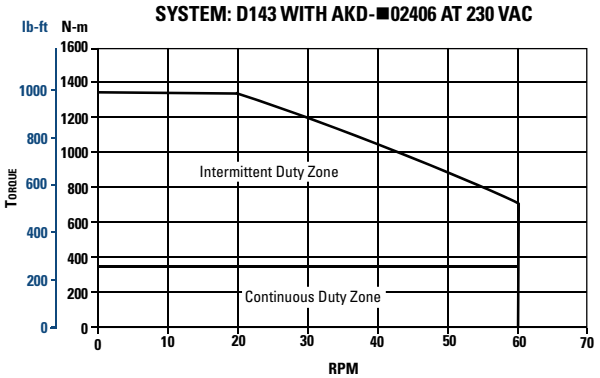
SYSTEM: D141 WITH AKD-■01206 AT 230 VAC



SYSTEM: D142 WITH AKD-■01206 AT 230 VAC



SYSTEM: D143 WITH AKD-■02406 AT 230 VAC

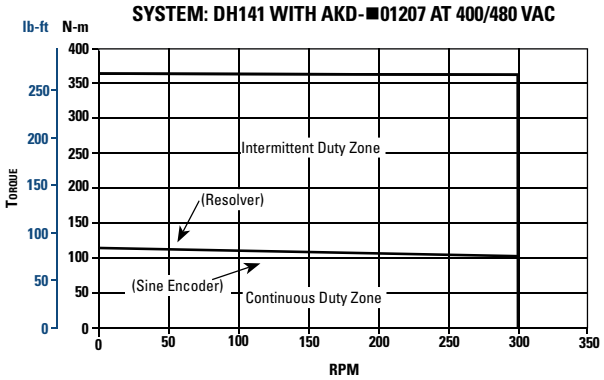


Notes:
1. For 25°C ambient, multiply by 1.06.

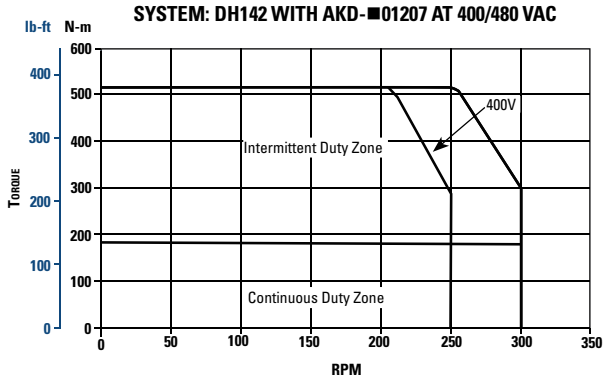
400/480 VAC

System Performance:		Symbols	Units	DH141M	DH142M	DH143M
Peak Torque		Tp	lb-ft (N-m)	271 (367)	383 (519)	989 (1341)
Continuous[1] Torque 40°C	Sine Encoder	Tc	lb-ft (N-m)	80.0 (108)	135 (183)	250 (339)
Max. Operating Speed 400/480 V 3 Phase		N max	rpm (rps)	300 (5)	250/300 (4.2/5)	120 (2)
Sine Encoder System	Resolution	-	counts/rev	134,217,728	134,217,728	134,217,728
	Repeatability	-	arc/sec	< 1	< 1	< 1
	Accuracy	-	arc/sec	±26	±26	±26
System Performance:		**Symbols**	**Units**	**DH141M**	**DH142M**	**DH143M**
Mechanical: Weight		Wt	lb (kg)	131 (59.4)	191 (86.6)	323 (146)
Rotor Inertia		Jm	lb-ft-sec^2 (kg-m^2)	0.120 (0.163)	0.202 (0.274)	0.400 (0.542)
Static Friction Adder for Sealed Units		Tf	lb-ft (N-m)	2.6 (3.5)	2.6 (3.5)	2.6 (3.5)
Max. Dynamic Axel Compression Load (See Page 11 for Details)		-	lbf (kg)	12,700 (5,760)	12,700 (5,760)	12,700 (5,760)

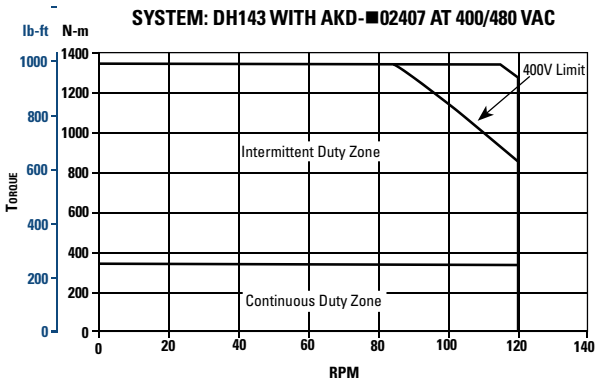
SYSTEM: DH141 WITH AKD-■01207 AT 400/480 VAC



SYSTEM: DH142 WITH AKD-■01207 AT 400/480 VAC

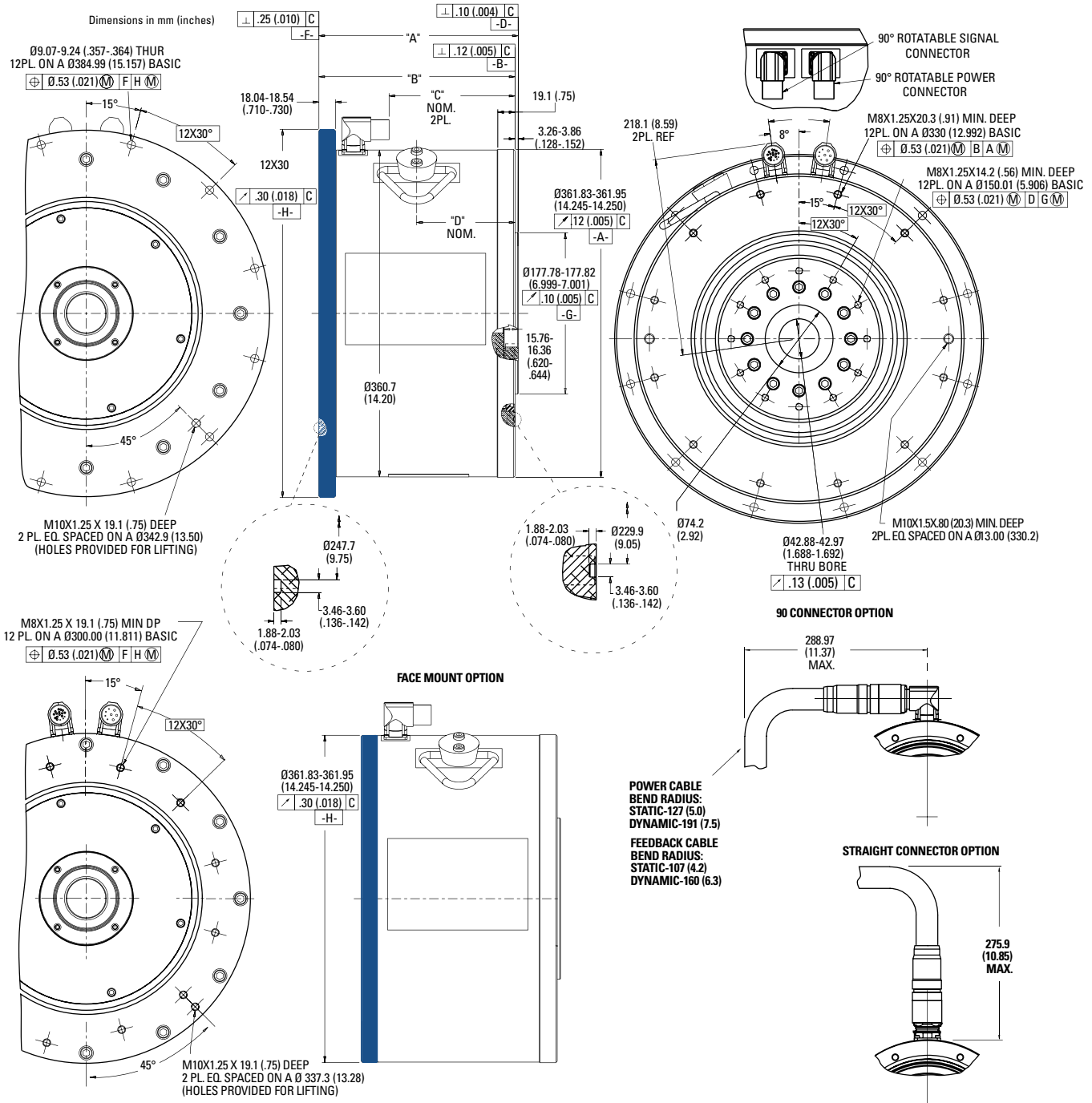


SYSTEM: DH143 WITH AKD-■02407 AT 400/480 VAC



Notes:
1. For 25°C ambient, multiply by 1.06.

Housed DDR D14X Outline Drawings



Model	"A"	"B"	"C"	"D"
D141	155.92-157.02 (6.138-6.182)	152.66-153.16 (6.010-6.030)	75.5 (2.97)	76.7 (3.02)
D142	219.42-220.52 (8.638-8.682)	216.16-216.66 (8.510-8.530)	138.9 (5.47)	108.5 (4.27)
D143	346.42-347.52 (13.638-13.682)	343.16-343.66 (13.510-13.530)	266.0 (10.47)	172.0 (6.77)