

Instrument Grade Brushless DC Motors																				
Series	Diameter inch [mm]	Torque oz-in [N-m]	RPM Max	Encoders					Gearboxes					Brakes		Drives				
				E30C/D	H	Z	Q	C	G30A	G35A	G40A	PLG 42S	G51A	PLG 52	B30A	B49A	PBL4850E	BGE3004A	BGE6015A	BGE6060A
EC033A	1.3 [33]	3-8 [0.021-0.056]	12,000	R					R	A							R	R	A	
EC042B	1.66 [42]	9-25 [0.06-0.18]	9,000	R	A							R		A			R	R	A	
EC044A	1.72 [44]	6-11 [0.043-0.081]	15,000	R	A							R	C	A	C		R	R	A	
EC057C	2.25 [57]	11-40 [0.077-0.282]	12,000	R						C	C	A	R		C				A	R
EC057B	2.25 [57]	20-83 [0.14-0.59]	6,000	R			C							A					A	R
EC057A	2.25 [57]	54-130 [0.38-0.93]	6,000	C	A		R	C											A	R
EC083A	3.25 [83]	130-300 [0.09-2.1]	6,000			R		A												R
EC121A	4.75 [121]	431-928 [3.0-6.6]	5,000					R												R

Integrated Controllers Brushless DC Motors													
Series	Square inch [mm]	Torque oz-in [N-m]	RPM Max	Gearboxes					Brakes				
				PLG 42S	G51A	PLG 52	B30A						
EC044A	1.72 [44]	6 [0.042]	5,500	R	C	A	C						
EC083A	3.25 [83]	104-214 [0.73-1.51]	3,600										

Automation Grade Brushless DC Motors													
Series	Square inch [mm]	Torque oz-in [N-m]	RPM Max	Encoders				Drives					
				Q	V	C	D	BGE6015A	BGE6060A				
EA057A	2.25 [57]	66-250 [0.47-1.7]	6,000		R		A	A	R				
EA090A	3.5 [90]	260-650 [1.8-4.6]	6,000	R		A			R				

Slotless Brushless DC Motors																
Series	Diameter inch [mm]	Torque oz-in [N-m]	RPM Max	Encoder				Gearboxes					Brakes		Drives	
				E30C/D	G30A	G35A	G40A	PLG 42S	G51A	PLG 52	B30A	B49A	PBL4850E	BGE6015A		
ES030A	1.38 [35]	4-5.8 [0.028-0.040]	8,000	R	R	A	A					C		R	A	
ES040A	1.65 [42]	12-19 [0.08-0.13]	8,000	R			A	R	A	A		C	C	R	R	
ES050A	2.28 [58]	25-43 [0.176-0.30]	5,000	R			A	A		R		C		R	R	

Brush Commutated DC Motors																			
Series	Diameter inch [mm]	Torque oz-in [N-m]	RPM Max	Encoders				Gearboxes						Brakes		Drives		Tach	
				E21C/D	E30C/D	H	Q	G22A	PLG 24	G30A	G35A	G40A	PLG 42S	G51A	PLG 52	B30A	B49A	PBL4850E*	BGE6060A
DC022C	0.866 [22]	0.8-2 [0.005-0.014]	10,000	R				A	A								R		
DC026C	1.02 [26]	1.9-3.2 [0.013-0.022]	10,000	R	A				A	R	R				A		R		
DC030B	1.18 [30]	1.6-2.6 [0.011-0.018]	10,000		R					R	R			A			R		
DC030C	1.18 [30]	2.7-8.5 [0.019-0.060]	10,000		R					R	R		A				R		
DC032A	1.25 [32]	3.8-4.9 [0.027-0.035]	6,500			R				R							R	A	
DC040B	1.58 [40]	2.4-11.5 [0.016-0.08]	8,000	C	R					R		A	A	R		A	A	R	R
DC054B	2.125 [54]	10-50 [0.07-0.35]	6,000		R		C				R	R	R	R			A	R	
DC057A	2.25 [57]	30-57 [0.21-0.40]	6,000		C	R	R								A		A	R	A
DC083A	3.25 [83]	80-230 [0.56-1.62]	6,000		A	R	R									A		R	A

R = Recommended Option A = Available Option C = Consult Factory

*For PBL4850E to operate a brush motor, an encoder is required.