

# Low Cost PMDC Motor

TelcoMotion's compact low cost PMDC motors are designed with improved power density and efficiency to better serve your application needs. The 20mm frame size motor allows you to have more flexibility for size-restricted application



<b>Frame Size</b>	20.4 mm
<b>Nominal Voltage</b>	1.2 VDC, 2.4 VDC
<b>Max. Rated Speed</b>	8539 RPM
<b>Max. Rated Current</b>	2:00 AM
<b>Max. Rated Torque</b>	36 g·cm
<b>Max. Rated Output Power</b>	2.76 W
<b>Max. Stall Torque</b>	228 g·cm
<b>Max. Stall Current</b>	8.7 A
<b>Brush Material</b>	Silver Metal
<b>Weight</b>	32g
<b>Options</b>	Customization (brush and shaft)

## Application:

- Electric toothbrush, electric shaver, hair clipper, noodle maker, audio and visual equipment

## Specifications:

Model Number	Motor Width (mm)	Nominal Voltage (VDC)	No Load		Max. Rated				Stall		Weight (g)
			Speed (RPM)	Current (A)	Speed (RPM)	Current (A)	Torque (g·cm)	Output (W)	Torque (g·cm)	Current (A)	
PL20FF-024-13	20.4	2.4	6600	0.18	6264	0.76	20	1.29	115	3.60	32
PL20FF-024-15	20.4	2.4	10300	0.32	8437	1.04	17	1.47	98	4.90	32
PL20FF-012-15	20.4	1.2	10300	0.60	8315	1.85	17	1.45	92	7.90	32
PL20FF-024-15	20.4	2.4	10300	0.32	8333	1.11	18	1.54	98	4.90	32
PL20FF-012-13	20.4	1.2	7000	0.30	5646	1.45	22	1.27	115	6.20	32
PL20FF-012-14	20.4	1.2	10300	0.60	8539	2.00	16	1.40	88	8.70	32
PL20FF-057-15	20.4	5.7	8200	0.14	6962	0.43	21	1.50	138	2.40	32
PL20FF-050-10	20.4	5.0	5100	0.09	3940	0.25	22	0.89	112	0.90	32
PL20FF-012-14	20.4	1.2	8350	0.55	6950	1.72	19	1.35	100	7.50	32
PL20FC-036-17	20.4	3.6	9500	0.20	7289	0.77	23	1.72	128	3.50	32
PL20FC-150-17	20.4	15.0	9500	0.05	7190	0.18	23	1.70	122	0.80	32
PL20FC-036-22	20.4	3.6	8800	0.26	7482	0.99	36	2.76	228	5.20	32
PL20FC-045-22	20.4	4.5	9300	0.19	7891	0.71	27	2.19	172	3.75	32
PL20FC-050-33	20.4	5.0	3000	0.05	2332	0.11	14	0.33	55	0.35	32

## Telco Intercontinental Corp.

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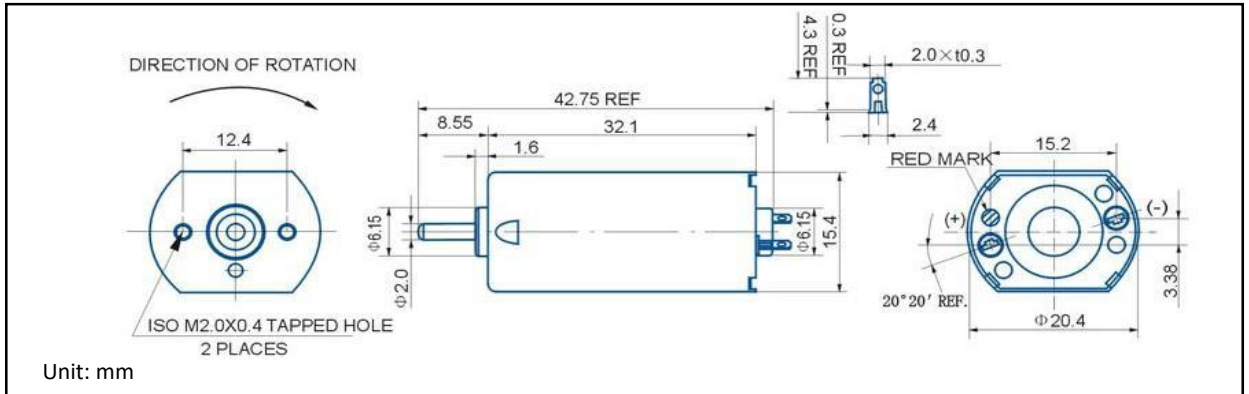
sales@telcointercon.com  
(281) 855-2218



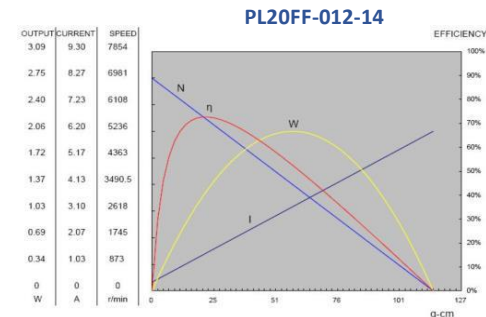
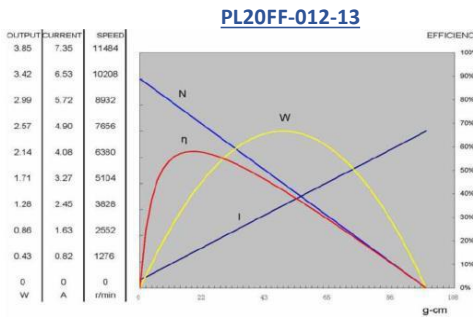
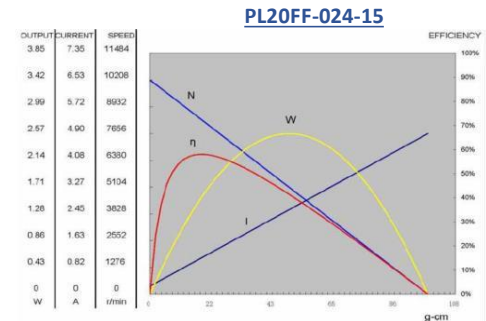
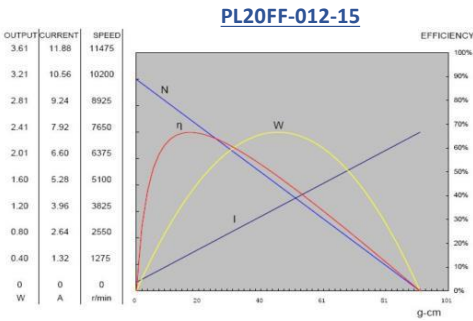
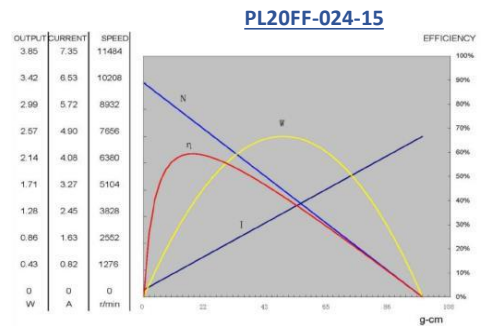
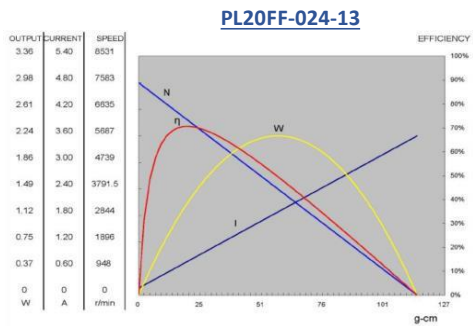
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## Mechanical Drawing:



## Performance Curves:



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