



# FF-180PH/SH

OUTPUT:0.05W-5.6W (APPROX)



Precious metal-brush motors



WEIGHT: 32g (APPROX)

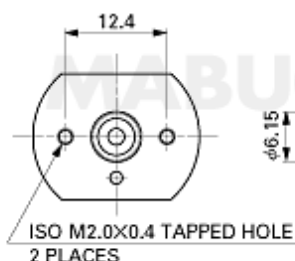
**Typical Applications :** Home Appliances > Electric Shaver /Hair Clipper / Tooth Brush  
Audio and Visual Equipment

\*By clicking the "MODEL", you can display the Performance Chart Simulation.

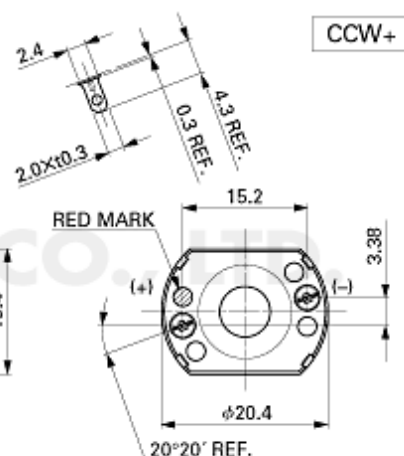
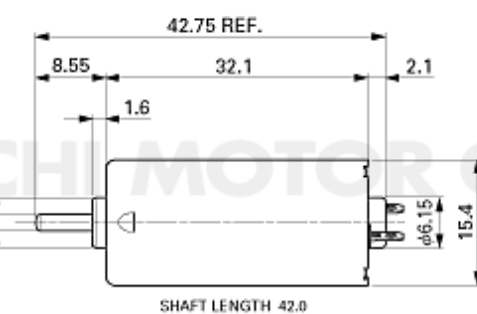
MODEL		VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL		
		OPERATING RANGE	NOMINAL V	SPEED r/min	CURRENT A	SPEED r/min	CURRENT A	TORQUE mN·m	g·cm	OUTPUT W	TORQUE mN·m	g·cm	CURRENT A
FF-180PH	2852(*1)	1 - 3	2.4	8100	0.15	6850	0.82	1.82	18.6	1.30	11.8	120	4.50
FF-180SH	2657(*1)	1 - 3	2.4	7700	0.13	6500	0.70	1.56	15.9	1.06	10.0	102	3.80

(\*1) CCW shifted commutation (CCW+)

## DIRECTION OF ROTATION



取付けネジの長さはモータケース面より2.0以下  
Usable machine screw length 2.0 max. from motor mounting surface.

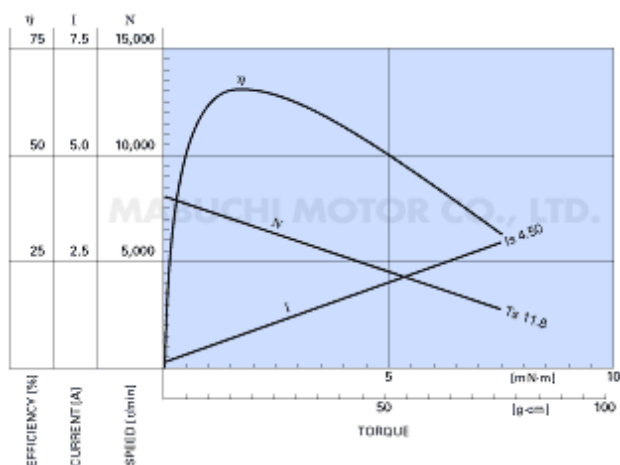


CCW+

UNIT: MILLIMETERS

FF-180PH-2852

2.4V



FF-180SH-2657

2.4V

