

# FF-180PH/SH

**MABUCHI MOTOR**  
Precious metal-brush motors

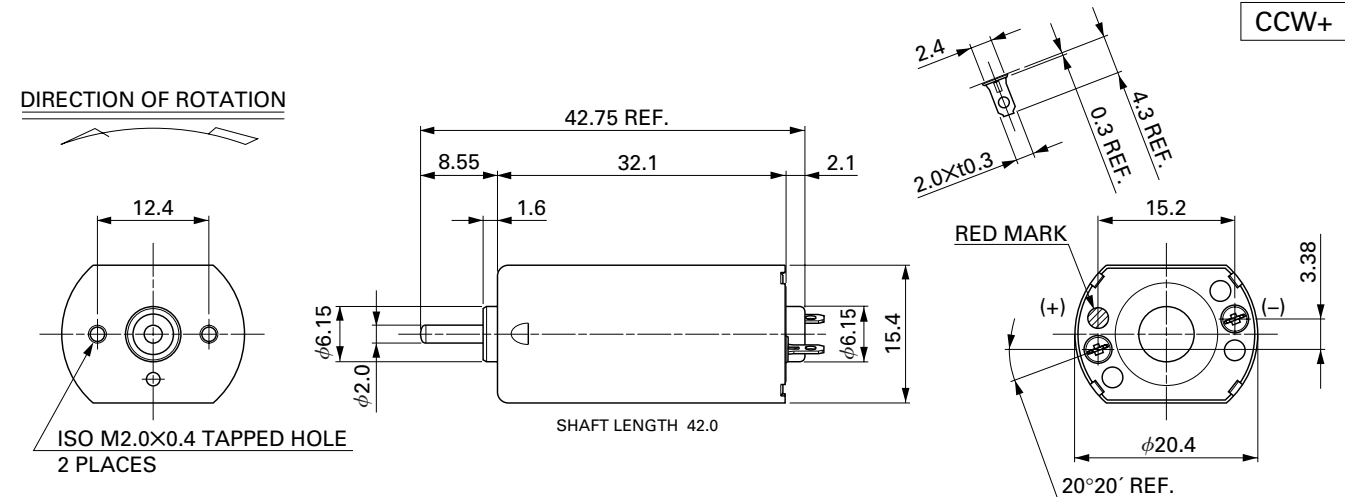
OUTPUT : 0.05W~5.6W (APPROX)

WEIGHT : 32g (APPROX)

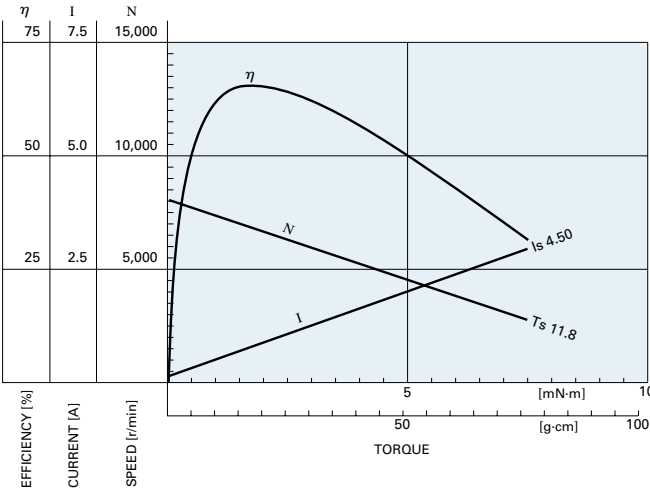
Typical Applications    Home Appliances : Electric Shaver / Hair Clipper / Tooth Brush  
Audio and Visual Equipment

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

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



## FF-180PH-2852 2.4V



## FF-180SH-2657 2.4V

