



# EFS-540/545SH

**EVERMO®**  
**DC MICRO MOTOR**  
 Carbon-brush motors

OUTPUT :0.7W~9W (APPROX)

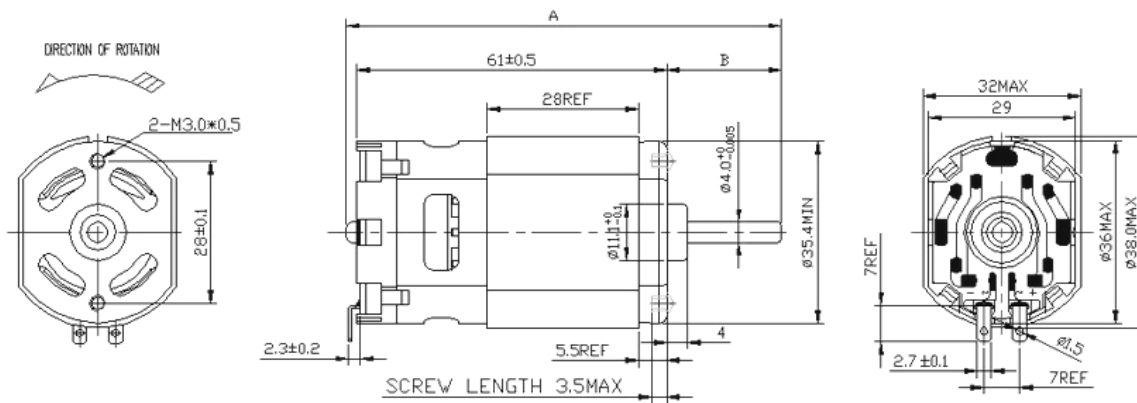
WEIGHT :230 g (APPROX)

- Typical Applications**
- Automotive Products
  - Gear Box
  - Power Brush
  - Sweeper

## Typical Specifications

| MODEL           | VOLTAGE         |                | NO LOAD     |           | AT MAXIMUM EFFICIENCY |           |             |            |          |        | STALL    |             |             |
|-----------------|-----------------|----------------|-------------|-----------|-----------------------|-----------|-------------|------------|----------|--------|----------|-------------|-------------|
|                 | OPERATING RANGE | NOMINAL        | SPEED r/min | CURRENT A | SPEED r/min           | CURRENT A | TORQUE g.cm | TORQUE mNm | OUTPUT W | EFF. % | TORQUE A | TORQUE g.cm | CURRENT mNm |
| EFS-540SH-8019  | 2.4-4.8         | 4.8V CONSTANT  | 17000       | 2.75      | 13810                 | 9.61      | 178.4       | 28.5       | 2.80     | 61.74  | 62.75    | 1570        | 153.86      |
| EFS-540SH-7025  | 5.4-10.8        | 10.8V CONSTANT | 27470       | 2.38      | 23542                 | 10.67     | 276.9       | 74.59      | 7.31     | 67.44  | 121.2    | 3470        | 340.06      |
| EFS-540SH-4552  | 6.0-12.0        | 12.0V CONSTANT | 13500       | 0.62      | 11633                 | 3.09      | 231.6       | 28.32      | 2.78     | 76.57  | 25.49    | 1880        | 184.24      |
| EFS-540SH-7024  | 6.0-12.0        | 12.0V CONSTANT | 30000       | 1.75      | 26122                 | 11.79     | 336         | 90.16      | 8.84     | 63.7   | 79.4     | 2600        | 254.8       |
| EFS-545SH-3167D | 6.0-12.0        | 12.0V CONSTANT | 6000        | 0.19      | 5024                  | 0.93      | 166         | 8.56       | 0.84     | 76.7   | 4.8      | 1020        | 99.96       |
| EFS-545SH-25100 | 6.0-12.0        | 12.0V CONSTANT | 4200        | 0.14      | 3000                  | 0.75      | 200         | 6.2        | 0.61     | 68.30  | 2.28     | 700         | 68.6        |

◎NOTE: 1)Casing ring 2) Ring varister 3) Capacitor for options only.



Usable machines screw length 4.0max from motor mounting surface.

UNIT: MILLIMETERS