

## Quarter Turn Electrical Actuator (Motorised Valve) Basic ON/OFF Type

### GENERAL PARAMETERS

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Torque Range         | : 800 N.m                                                |
| Operating Time       | : 47 s (AC Type), 34 s (DC Type)                         |
| Feedback Signal      | : On/Off Dry Contact Position Feedback (Rated 5A@250VAC) |
| Ambient Temperature  | : -25°C ... 70°C (Optional: -40°C ... 60°C)              |
| Anti-vibration Level | : JB/T8219                                               |
| Noise Level          | : Less than 75dB within 1m                               |
| Electrical Interface | : Two PG13.5 (<100N.m) Two PG16 (≥100N.m)                |
| Connection size      | : ISO-5211 (F10 & F12)                                   |
| Ingress Protection   | : IP67 (Optional: IP68)                                  |

*The definition of IP68 is: Depth of water: Maximum 15 m under water level. Duration of continuous immersion in water: Max. (72 hours).*

### MECHANICAL PARAMETERS

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Motor Specifications | : Class F, with thermal protector up to +135°C (Optional: Class H) |
| Working Duty         | : On-off Type: S2 ~ 15min, no more than 600 times per hour start   |
| Applicable Voltage   | : Single Phase (±10 %) AC220, 230, 240V (50Hz / 60Hz)              |
|                      | : DC : 24 V (±10 %)                                                |

*\* 8280 series is for 1 phase only (For special inquire, please contact WOGS)*

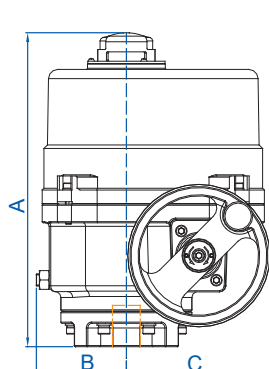


Series 8280 800

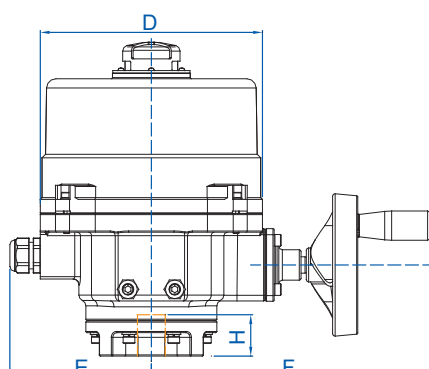
| Model    | Power (W) | Max Output Torque (N.m) |                     | Max Output Torque (lbf.in) |                     | Running time (Sec)   |                     |           | ISO-5211  | Remarks   |
|----------|-----------|-------------------------|---------------------|----------------------------|---------------------|----------------------|---------------------|-----------|-----------|-----------|
|          |           | AC 110 V                | AC 220 V            | AC 110 V                   | AC 220 V            | 50 Hz                |                     | 24V DC/AC |           |           |
|          |           | AC 220 V<br>AC/DC 24 V  | AC 380 V<br>3 phase | AC 220 V<br>AC/DC 24 V     | AC 380 V<br>3 phase | AC 110 V<br>AC 220 V | AC 380 V<br>3 phase |           |           |           |
| 8280 800 | 90        | 800                     | On Request          | 7080                       | On Request          | 47                   | 47                  | 34        | F10 & F12 | Handwheel |

Note: Standard configuration.

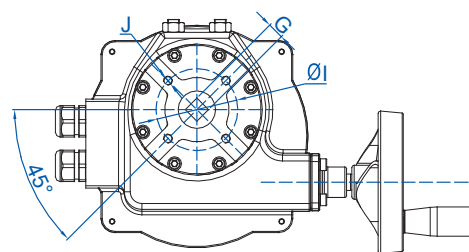
1. Rated torque is 75% of the max torque. 2. Motor insulation is class F. class H is optional. 3. The running time of 60 Hz is 5/6 of that of 50 Hz. The max output torque is the same as above.



Side View



Front View



Bottom View

Dimension: mm

| Model    | A   | B   | C   | D   | E   | F   | G       | H  | Ø I      | J              | Weight (kg) |
|----------|-----|-----|-----|-----|-----|-----|---------|----|----------|----------------|-------------|
| 8280 800 | 327 | 109 | 187 | 232 | 146 | 280 | 27 x 27 | 55 | 102, 125 | 4-M10<br>4-M12 | 22          |