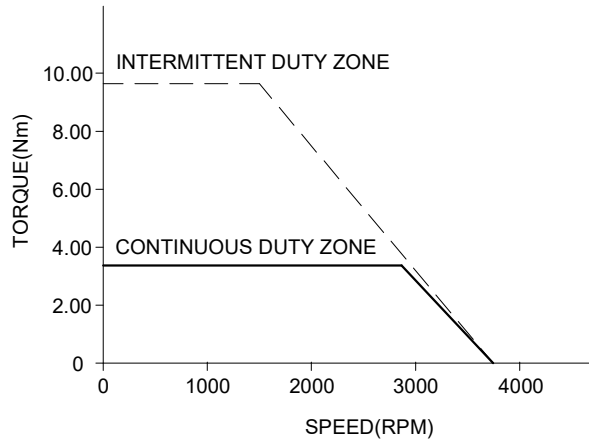
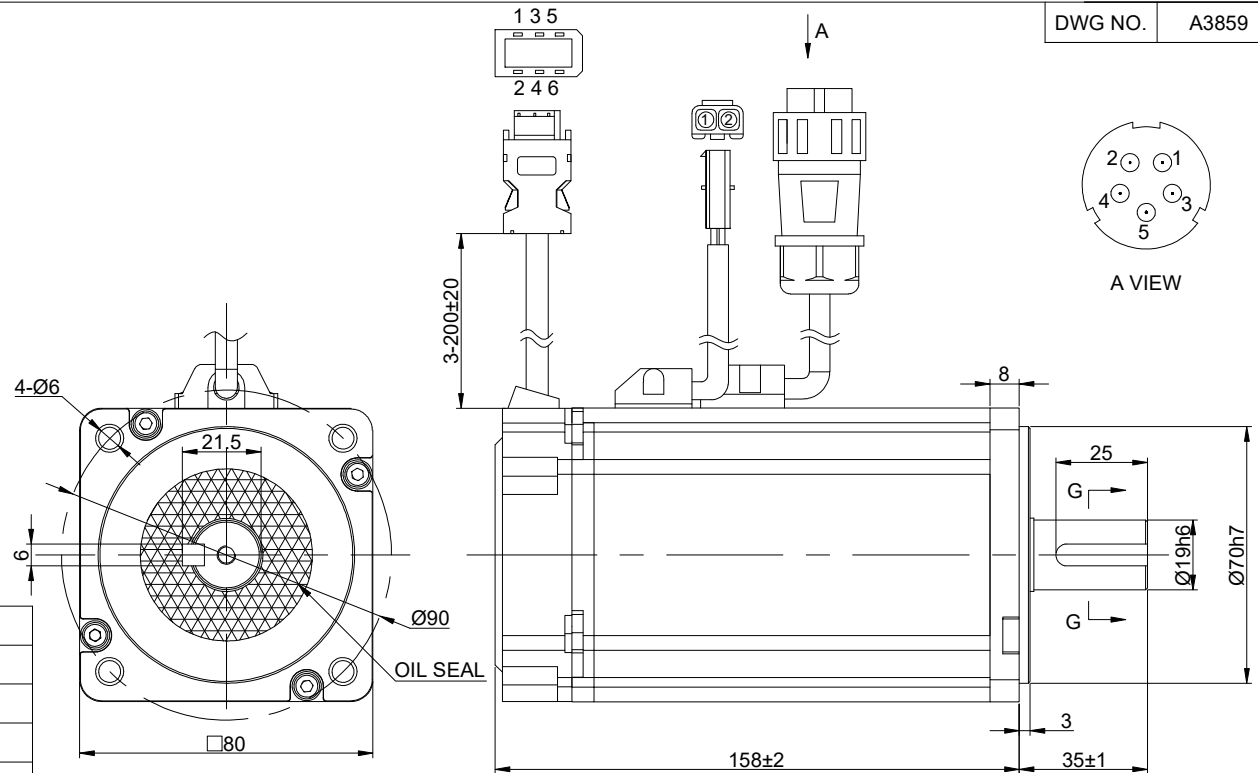


SPEED - TORQUE CURVE



| SPECIFICATION | VALUE |
|------------------------------|-----------------------|
| RATED POWER(W) | 1000 |
| RATED VOLTAGE(VDC) | 48 |
| RATED TORQUE(Nm) | 3.20 |
| PEAK TORQUE(Nm) | 9.60 |
| RATED SPEED(RPM) | 3000 |
| RATED CURRENT(Amp) | 24.5 |
| BACK EMF CONST(V/KRPM) | 8.5±10% |
| TORQUE CONST(Nm/Amp) | 0.13 |
| LINE RESISTANCE(Ω) | 0.08±10% |
| LINE INDUCTANCE(mH) | 0.30±20% |
| INERTIA(Kg ² •m) | 2.12×10 ⁻⁴ |
| INSULATION CLASS | F |
| IP RATING | IP65 |
| POLES | 10 |
| ELECTRICAL TIME CONSTANT(ms) | - |
| ENCODER RESOLUTION | 17 bit |
| WEIGHT(KG) | 3.45 |



COMMENT:

- 1.DYNAMIC AXIAL LOAD: 147N MAX;
2.DYNAMIC RADIAL LOAD : 392N MAX

SEQUENCE OF MOTOR CABLES

| PIN-NO. | 1 | 2 | 3 | 4 | 5 |
|-------------|-----|-----|-----|---------|---|
| DESCRIPTION | U | V | W | PE | - |
| COLOUR | RED | YEL | BLU | YEL/GRN | - |

ENCODER CABLE SEQUENCE

| PIN-NO. | 1 | 2 | 3 | 4 | 5 | 6 |
|-------------|-----|-----|---|---|------|------|
| DESCRIPTION | +5V | GND | - | - | 485+ | 485- |
| COLOUR | RED | BLK | - | - | BLU | YEL |

BRAKE SPECIFICATIONS

| | |
|--------------------|------|
| HOLDING TORQUE(Nm) | 3.80 |
| VOLTAGE(V) | 24 |
| POWER(W) | 8.5 |
| CURRENT(A) | 0.42 |

STEPPERONLINE®

| | | | |
|-------|-----------|------|-----------|
| | APVD | MYX | 12.9.2024 |
| | CHKD | | |
| 2:1 | DRN | LDJ | 11.7.2024 |
| SCALE | SIGNATURE | DATE | |

DC SERVO MOTOR

DSY80-1000L2B2M17S