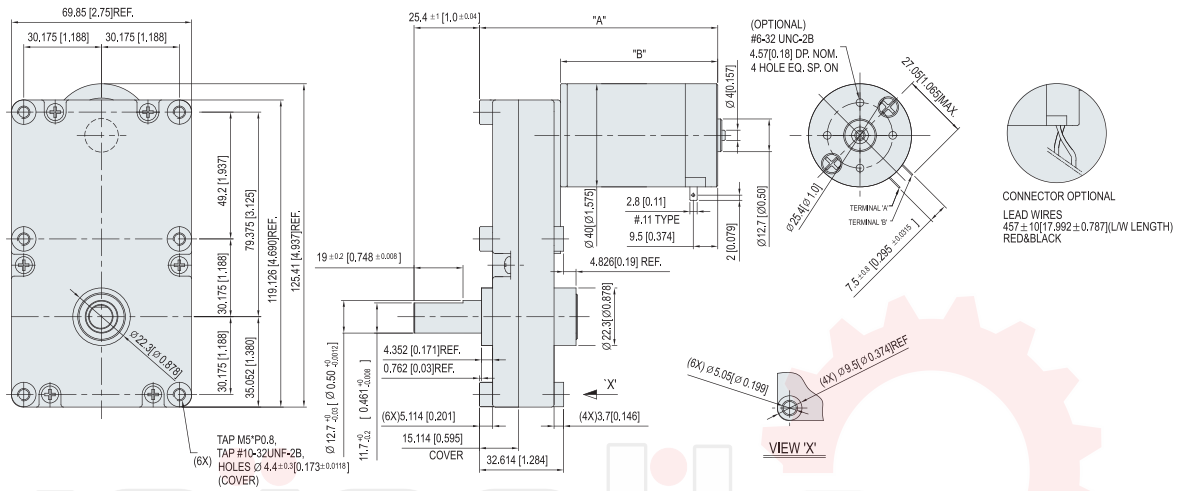


# COMPACT TYPE SG SERIES GEARED MOTOR

## MOTOR DIMENSION

UNIT : mm[inch]



| MODEL NO. | "A"            | "B"          | MODEL NO. | "A"             | "B"          |
|-----------|----------------|--------------|-----------|-----------------|--------------|
| SG42□□□□  | 77.814 [3.064] | 46.4 [1.827] | SG45□□□□  | 100.114 [3.941] | 68.7 [2.705] |
| SG43□□□□  | 87.414 [3.441] | 56.0 [2.205] | SG46□□□□  | 109.014 [4.292] | 77.6 [3.055] |
| SG44□□□□  | 92.514 [3.642] | 61.1 [2.406] |           |                 |              |

## PERMISSIBLE TORQUE OF GEAR BOX

(Voltage : DC 24V)

| TYPE     | GEAR RATIO  | 395.7  | 1218.1 | 1412.5 | 1620.7 | 1709.9 | 3238.2 |
|----------|-------------|--------|--------|--------|--------|--------|--------|
| SG42B□□□ | No Load rpm | 17.7   | 5.8    | 5.0    | 4.3    | 4.1    | 2.2    |
|          | N-m         | 4.07   | 11.28  | 13.08  | 15.01  | 15.83  | 29.98  |
|          | oz-in       | 576.4  | 1596.9 | 1851.9 | 2124.8 | 2241.8 | 4245.2 |
|          | kgf·cm      | 41.54  | 115.08 | 133.45 | 153.12 | 161.55 | 305.92 |
| SG43B□□□ | No Load rpm | 15.1   | 4.9    | 4.2    | 3.7    | 3.5    | 1.9    |
|          | N-m         | 8.40   | 23.26  | 26.97  | 30.95  | 32.65  | 33.81  |
|          | oz-in       | 1188.8 | 3293.8 | 3819.5 | 4382.4 | 4623.6 | 4787.5 |
|          | kgf·cm      | 85.67  | 237.36 | 275.24 | 315.81 | 333.19 | 345.00 |
| SG44B□□□ | No Load rpm | 15.5   | 5.1    | 4.4    | 3.8    | 3.6    | 1.9    |
|          | N-m         | 10.94  | 30.31  | 33.81  | 33.81  | 33.81  | 33.81  |
|          | oz-in       | 1549.2 | 4292.0 | 4787.5 | 4787.5 | 4787.5 | 4787.5 |
|          | kgf·cm      | 111.64 | 309.29 | 345.00 | 345.00 | 345.00 | 345.00 |
| SG45B□□□ | No Load rpm | 16.0   | 5.2    | 4.5    | 3.9    | 3.7    | 2.0    |
|          | N-m         | 12.47  | 33.81  | 33.81  | 33.81  | 33.81  | 33.81  |
|          | oz-in       | 1765.3 | 4787.5 | 4787.5 | 4787.5 | 4787.5 | 4787.5 |
|          | kgf·cm      | 127.21 | 345.00 | 345.00 | 345.00 | 345.00 | 345.00 |
| SG46B□□□ | No Load rpm | 12.4   | 4.0    | 3.5    | 3.0    | 2.9    | 1.5    |
|          | N-m         | 17.30  | 33.81  | 33.81  | 33.81  | 33.81  | 33.81  |
|          | oz-in       | 2449.8 | 4787.5 | 4787.5 | 4787.5 | 4787.5 | 4787.5 |
|          | kgf·cm      | 176.54 | 345.00 | 345.00 | 345.00 | 345.00 | 345.00 |

\* Please contact our sales Department regarding other gear ratio.