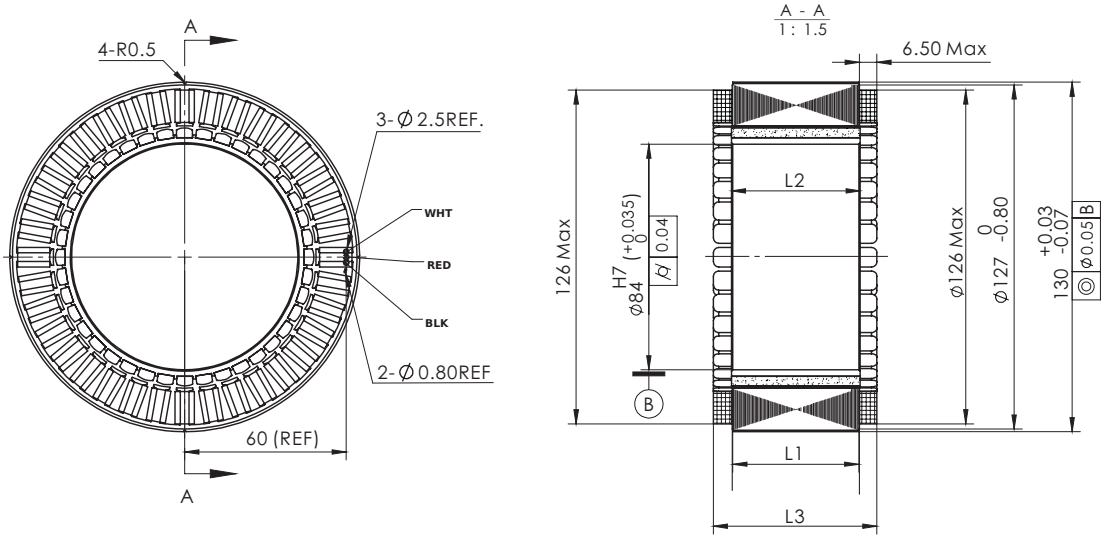
# U130 Series

## Frameless Torque Motor

Cifu Technology

| Model | | U13025 | U13035 | U13060 |
|---|---|---|---|---|
| **Drive Input Voltage (VDC)** | | 48 | 48 | 48 |
| **Rated Output Power (W)** | | 419.2 | 471.6 | 754.56 |
| **Rated Torque (N·m)** | | 5 | 9 | 18 |
| **Peak Torque (N·m)** | | 11 | 20 | 40 |
| **Rated Current (A)** | | 18 | 21 | 30 |
| **Peak Current (A)** | | 40 | 50 | 70 |
| **Rated Speed (rpm)** | | 800 | 500 | 400 |
| **Max. Speed (rpm)** | | 1400 | 1000 | 800 |
| **Torque Parameter (N·m/A)** | | 0.28 | 0.43 | 0.6 |
| **Rotor Inertia (kg·cm²)** | | 2.5 | 3.5 | 10 |
| **Back-EMF Coeff. (Vrms/krpm)** | | 26.5 | 35.6 | 39.6 |
| **Line Resistance (Ω)** | | 0.21 | 0.245 | 0.135 |
| **Line Inductance (mH)** | | 0.59 | 0.72 | 0.42 |
| **Pole Pairs (2P)** | | 20 | 20 | 20 |
| **Weight (kg)** | | 0.685 | 1.046 | 2.063 |
| **Dims. (mm)** | **L1 (Core Height)** | 14 | 23 | 47 |
| | **L2 (Rotor Height)** | 15 | 24 | 48 |
| | **L3 (Overall Height)** | 25.9 | 35.9 | 60.9 |

## Mechanical Drawings



# U130 Series (220 V)

## Frameless Torque Motor

Cifu Technology

| Model | U13025 | U13035 | U13060 |
|---|---|---|---|
| **Drive Input Voltage (VAC)** | 220 | 220 | 220 |
| **Rated Output Power (W)** | 1048 | 1414.8 | 1509.12 |
| **Rated Torque (N·m)** | 5 | 9 | 18 |
| **Peak Torque (N·m)** | 11 | 20 | 40 |
| **Rated Current (A)** | 5.1 | 10 | 10 |
| **Peak Current (A)** | 25 | 25 | 25 |
| **Rated Speed (rpm)** | 2000 | 1500 | 800 |
| **Max. Speed (rpm)** | 3000 | 2300 | 1200 |
| **Torque Parameter (N·m/A)** | 1 | 0.9 | 1.8 |
| **Rotor Inertia (kg·cm²)** | 2.5 | 3.5 | 10 |
| **Back-EMF Coeff. (Vrms/krpm)** | 76.2 | 73 | 140 |
| **Line Resistance (Ω)** | 1.98 | 2.116 | 1 |
| **Line Inductance (mH)** | 5.56 | 5.87 | 3.2 |
| **Pole Pairs (2P)** | 20 | 20 | 20 |
| **Weight (kg)** | 0.9 | 1.3 | 2.7 |
| **Dims. (mm) L1 (Core Height)** | 14 | 23 | 47 |
| **Dims. (mm) L2 (Rotor Height)** | 15 | 24 | 48 |
| **Dims. (mm) L3 (Overall Height)** | 25.9 | 35.9 | 60.9 |

## Mechanical Drawings

