

Product Specifications

1. Product Overview

- 1.1 Product Name: GYHCSM M2 Servo Motor
- 1.2 Product Model: M2H080- S75B30C-PC1B1
- 1.3 Product Description:

The GYHCSM M2 series servo motor is designed for high-precision industrial applications. It features compact size, high response, and high accuracy, and is widely used in industries such as lasers, printing, and semiconductors.

- Rated power 750W, Rated Torque 2.4N.m.
- 3 times torque overload capacity, with a maximum speed of 6000 rpm
- Build-in multi-turn 23bit absolute encoder
- Operating temperature: -20°C to +65°C
- IP65 Protection

2. Technical Parameters

2.1 Parameter Table

Parameters		Model
Parameter	Units	M2H080- S75B30C-PC1B1
Flange Size	mm	80
Rated Power	W	750
Rated Voltage	V	220
Rated Speed	rpm	3000
Max. Speed	rpm	6000
Rated Torque	N·m	2.4
Peak Torque	N·m	7.2
Rated Current	A	3.8
Peak Current	A	11.4
Rotor Inertia	10 ⁻⁴ Kg·m ²	1.62
Pole-pairs	5 pole-pairs	
Insulation Class	Class F	
Protect Grade	IP65	
Feedback Encoder	Multi-turn 23bit absolute	
Brake	With Brake, DC24v	
Max. Operating Altitude	2000m	
Operating Conditions	Temperature: -20°C~+65°C; Humidity: ≤90%RH (no frost)	
Storage Conditions	Temperature: -30°C~+75°C ; Humidity: ≤90%RH (no frost)	
Remarks		

3. Overall Dimensions

3.1 Dimension Drawing

