Leadshine

CE

# ACM1H/ACM2H Series

AC Servo Motors

**Feature:**

Power rating: 30W-22kW

Voltage: 220VAC/400VAC

Encoder: 23-bit encoder

Optional accessory：brake

Frame size: 25mm,40mm,60mm,80mm,100mm,130mm,180mm,200mm.

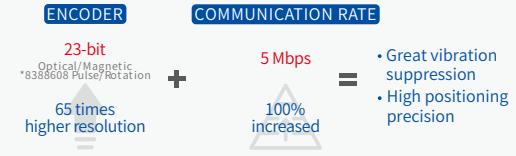
- ELM1 Series
  23-Bit magnetic encoder
  Power：50W-1800W
- ELM2 Series
  23-Bit optical encoder
  Power：30W-22kW

## Overview

### Precision positioning

High inertia, high torque with overloading up to 350%, rotational speed up to 6500rpm with acceleration at the max. of 2g.

Positioning accuracy of 0.02mm and precision of 0.01mm thanks to 3.2kHz frequency response and 5Mbps communication rate.




*Comparing to previous gen. 17-bit servo motors

### High quality servo motor

IP rating of IP67 with better performance and reliability.

Motor comes with direct connectors which is easier for installation and more reliable.

Splash

Moisture

Submerged

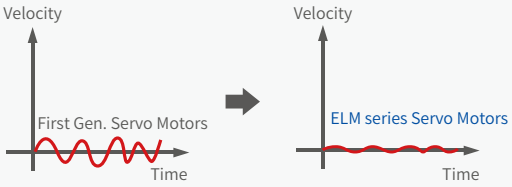
## Servo motor

Better reliability with IP Ratings of IP67 in addition to higher max. speed/torque and overload rate up to 350%.

Overload 350%

## Better motor stability

Improving the stability of high and low velocity motion by 30%.




## Part Numbers

| ACM | 1 | H | 06 | 04 | □ | B | □ |
|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |

**(1) Product Category**
- ACM: Leadshine ACM Series Motors

**(2) Product Series**
- 1: Economy Type – 23-bit Multi-turn Magnetic Encoder
- 2: General Type – 23-bit Multi-turn Optical Encoder

**(3) Moment of Inertia**
- L: Low Inertia
- M: Medium Inertia
- H: High Inertia

**(4) Frame Size (mm)**
- 04：40mm
- 06：60mm
- 08：80mm
- 10：100mm
- 13：130mm
- 18：180mm

**(5) Power Rating (W)**
- A5：50W
- 04：400W
- 08：750W
- 09：850W
- 10：1000W
- 29：2900W

**(6) Voltage Rating (V)**
- Blank: 220V
- T: 380V

**(7) Motor Type**
- Blank: Without Brake
- B: With Brake

**(8) Connector Type**
- Blank: Straight Plug
- 1: AMP Flying Lead

# 25mm Frame size & 30W

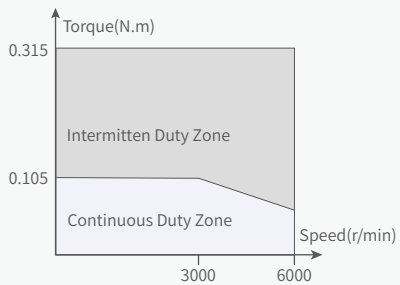
220 VAC

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2L-03A3B | □25 | √ | 220 | 30 | 3000 | 6000 | 0.105 | 0.315 |
| ACM2L-03A3 | | × | | | | | | |

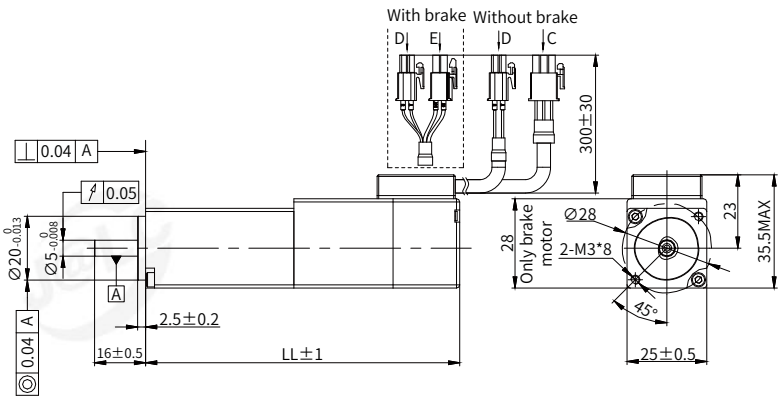
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia ($kgm^2$*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2L-03A3B | 0.87 | 2.6 | 44 | 14.5 | 23-bit optical encoder | 0.007 | 0.26 |
| ACM2L-03A3 | | | | | | 0.006 | 0.19 |

## Speed-Torque characteristics

### 30W Motor




## Dimensions




| Motor Model | LL |
|---|---|
| ACM2L-03A3B | 98.5 |
| ACM2L-03A3 | 72.5 |

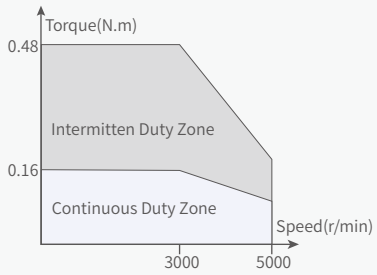
# 40mm Frame size & 50W～100W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM1H-04A5B | □ 40 | √ | 220 | 50 | 3000 | 5000 | 0.16 | 0.48 |
| ACM1H-04A5 | | × | | | | | | |
| ACM1H-0401B | | √ | | 100 | | | 0.32 | 0.96 |
| ACM1H-0401 | | × | | | | | | |
| ACM1H-04A5B | | √ | | 50 | | | 0.16 | 0.48 |
| ACM1H-04A5 | | × | | | | | | |
| ACM2H-0401B | | √ | | 100 | | | 0.32 | 0.96 |
| ACM2H-0401 | | × | | | | | | |

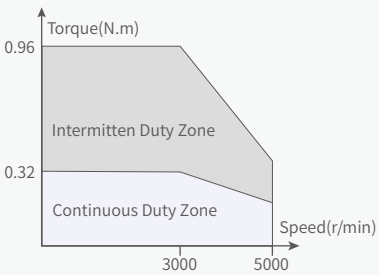
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM1H-04A5B | 0.93 | 2.88 | 78 | 54 | 23-bit magnetic encoder | 0.046 | 0.44 |
| ACM1H-04A5 | | | | | | 0.036 | 0.28 |
| ACM1H-0401B | 0.92 | 2.85 | | | | 0.072 | 0.54 |
| ACM1H-0401 | | | | | | 0.062 | 0.38 |
| ACM1H-04A5B | 0.93 | 2.88 | | | 23-bit optical encoder | 0.046 | 0.44 |
| ACM1H-04A5 | | | | | | 0.036 | 0.28 |
| ACM2H-0401B | 0.92 | 2.85 | | | | 0.072 | 0.54 |
| ACM2H-0401 | | | | | | 0.062 | 0.38 |

## Speed-Torque characteristics

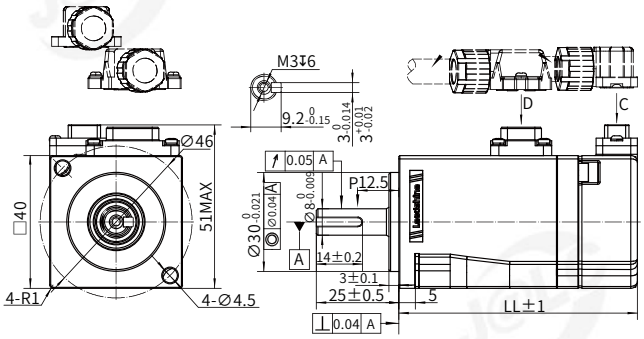
### 50W Motor




### 100W Motor



## Dimensions




| Motor Model | LL |
|---|---|
| ACM*H-04A5B | 84 |
| ACM*H-04A5 | 56.7 |
| ACM*H-0401B | 95 |
| ACM*H-0401 | 67.7 |

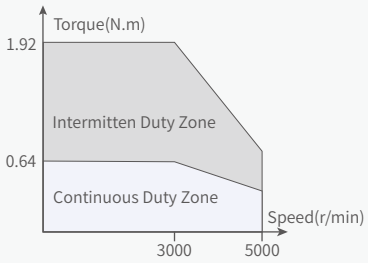
## 60mm Frame size & 200W～400W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM1H-0602B | □60 | √ | 220 | 200 | 3000 | 5000 | 0.64 | 1.92 |
| ACM1H-0602 | | × | | | | | | |
| ACM1H-0604B | | √ | | 400 | | | 1.27 | 3.81 |
| ACM1H-0604 | | × | | | | | | |
| ACM2H-0602B | | √ | | 200 | | | 0.64 | 1.92 |
| ACM2H-0602 | | × | | | | | | |
| ACM2H-0604B | | √ | | 400 | | | 1.27 | 3.81 |
| ACM2H-0604 | | × | | | | | | |

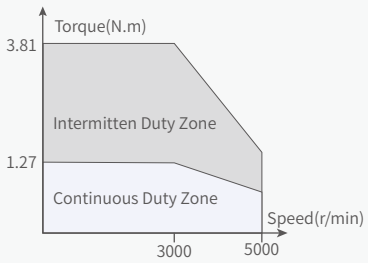
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM1H-0602B | 1.5 | 4.5 | 245 | 74 | 23-bit magnetic encoder | 0.3 | 1.3 |
| ACM1H-0602 | | | | | | 0.28 | 1.0 |
| ACM1H-0604B | 2.1 | 6.5 | | | | 0.58 | 1.55 |
| ACM1H-0604 | | | | | | 0.56 | 1.3 |
| ACM2H-0602B | 1.5 | 4.5 | | | 23-bit optical encoder | 0.3 | 1.3 |
| ACM2H-0602 | | | | | | 0.28 | 1.0 |
| ACM2H-0604B | 2.1 | 6.5 | | | | 0.58 | 1.55 |
| ACM2H-0604 | | | | | | 0.56 | 1.3 |

## Speed-Torque characteristics

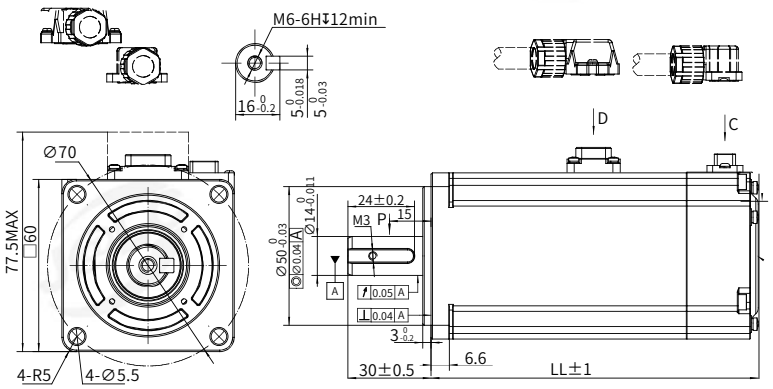
### 200W Motor




### 400W Motor




## Dimensions




| Motor Model | LL |
|---|---|
| ACM*H-0602B | 101.1 |
| ACM*H-0602 | 71.8 |
| ACM*H-0604B | 118.1 |
| ACM*H-0604 | 88.8 |

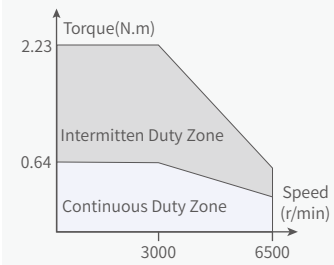
## 200W～750W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2L-0602B | □ 60 | √ | 220 | 200 | 3000 | 6500 | 0.64 | 2.23 |
| ACM2L-0602 | | × | | | | | | |
| ACM2L-0604B | | √ | | 400 | | | 1.27 | 4.46 |
| ACM2L-0604 | | × | | | | | | |
| ACM2L-0808B | □ 80 | √ | | 750 | | | 2.39 | 8.36 |
| ACM2L-0808 | | × | | | | | | |

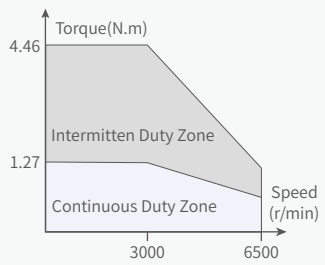
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2L-0602B | 1.5 | 5.7 | 245 | 74 | 23-bit magnetic encoder | 0.15 | 1.2 |
| ACM2L-0602 | | | | | | 0.14 | 0.85 |
| ACM2L-0604B | 2.4 | 9.1 | | | | 0.26 | 1.54 |
| ACM2L-0604 | | | | | | 0.25 | 1.19 |
| ACM2L-0808B | 4.2 | 16.1 | 392 | 147 | | 0.79 | 2.74 |
| ACM2L-0808 | | | | | | 0.77 | 2.12 |

## Speed-Torque characteristics

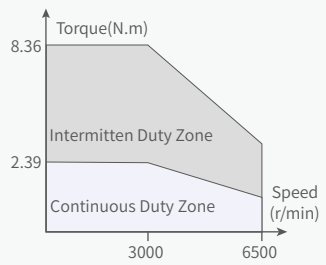
### 200W Motor



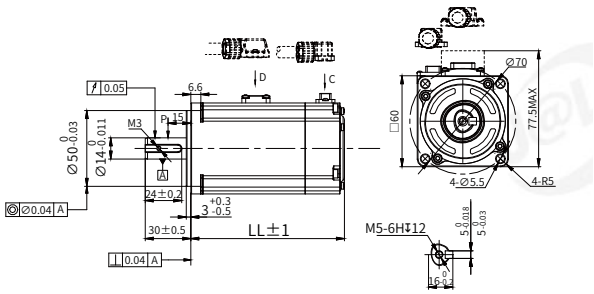

### 400W Motor

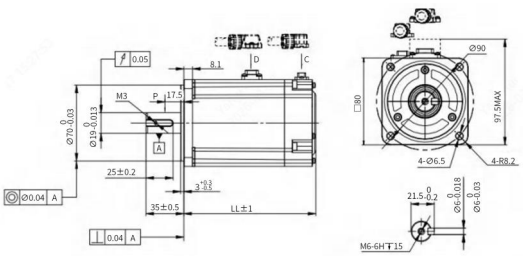



### 750W Motor




## Dimensions




| Motor Model | LL |
|---|---|
| ACM2L-0602B | 101.2 |
| ACM2L-0602 | 118.2 |
| ACM2L-0604B | 71.8 |
| ACM2L-0604 | 88.8 |

| Motor Model | LL |
|---|---|
| ACM2L-0808B | 121.9 |
| ACM2L-0808 | 90.9 |

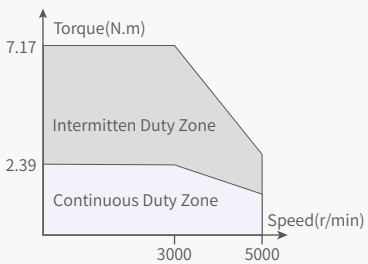
# 80mm Frame size & 750W～1000W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM1H-0808B | □80 | √ | 220 | 750 | 3000 | 5000 | 2.39 | 7.17 |
| ACM1H-0808 | | × | | | | | | |
| ACM1H-0810B | | √ | | 1000 | | | 3.18 | 9.54 |
| ACM1H-0810 | | × | | | | | | |
| ACM2H-0808B | | √ | | 750 | | | 2.39 | 7.17 |
| ACM2H-0808 | | × | | | | | | |
| ACM2H-0810B | | √ | | 1000 | | | 3.18 | 9.54 |
| ACM2H-0810 | | × | | | | | | |

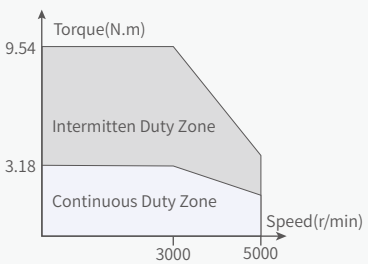
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM1H-0808B | 4.1 | 13.4 | 392 | 147 | 23-bit magnetic encoder | 1.65 | 2.7 |
| ACM1H-0808 | | | | | | 1.5 | 2.12 |
| ACM1H-0810B | 5.7 | 17.7 | | | | 2.15 | 3.4 |
| ACM1H-0810 | | | | | | 2.0 | 2.8 |
| ACM2H-0808B | 4.1 | 13.4 | | | 23-bit optical encoder | 1.65 | 2.7 |
| ACM2H-0808 | | | | | | 1.5 | 2.12 |
| ACM2H-0810B | 5.7 | 17.7 | | | | 2.15 | 3.4 |
| ACM2H-0810 | | | | | | 2.0 | 2.8 |

## Speed-Torque characteristics

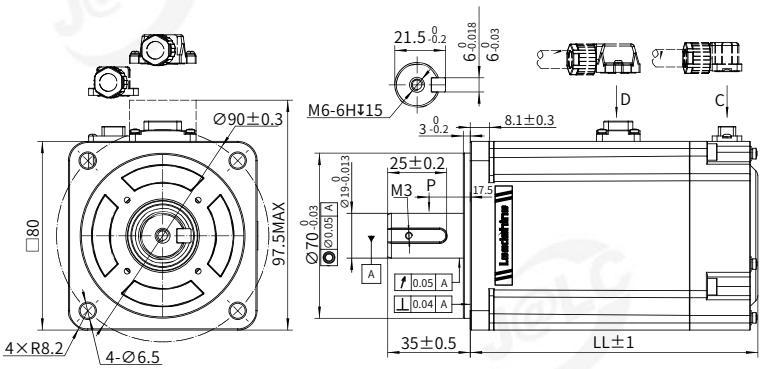
### 750W Motor




### 1000W Motor



## Dimensions




| Motor Model | LL |
|---|---|
| ACM*H-0808B | 121.9 |
| ACM*H-0808 | 90.9 |
| ACM*H-0810B | 134.9 |
| ACM*H-0810 | 103.9 |

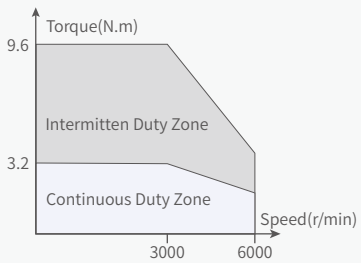
## 100mm Frame size & 1000W～1500W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2L-1010TB | □ 100 | √ | 220 | 1000 | 3000 | 6000 | 3.2 | 9.6 |
| ACM2L-1010T | | × | | | | | | |
| ACM2L-1015TB | | √ | | 1500 | | 5000 | 4.9 | 14.7 |
| ACM2L-1015T | | × | | | | | | |

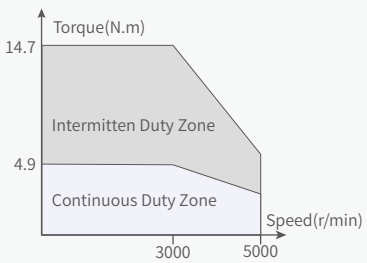
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2L-1010TB | 6.5 | 19.5 | 490 | 98 | 23-bit magnetic encoder | 2.63 | 5.9 |
| ACM2L-1010T | | | | | | 2.43 | 4.6 |
| ACM2L-1015TB | 8 | 25.5 | | | | 3.803 | 7.1 |
| ACM2L-1015T | | | | | | 3.503 | 5.8 |

## Speed-Torque characteristics

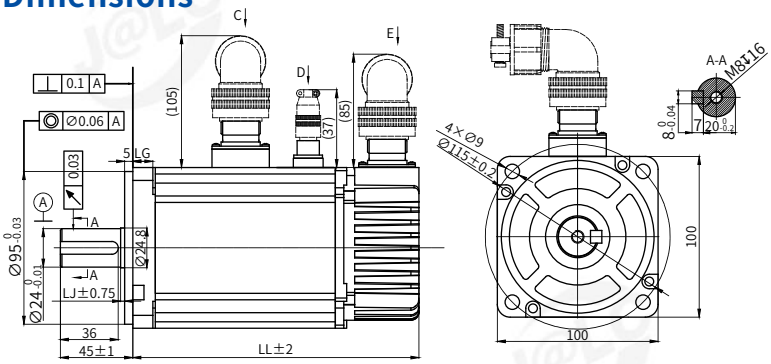
### 1000W Motor




### 1500W Motor



## Dimensions




| Motor Model | LL |
|---|---|
| ACM2L-1010TB | 194 |
| ACM2L-1010T | 154 |
| ACM2L-1015TB | 218 |
| ACM2L-1015T | 178 |

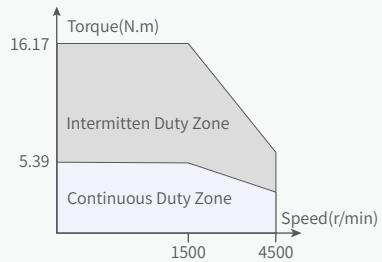
## 130mm Frame size & 850W～1800W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM1M-1309B | | √ | | 850 | | | 5.39 | 16.17 |
| ACM1M-1309 | | × | | | | | | |
| ACM1M-1313B | | √ | | 1300 | 3000 | 5000 | 8.34 | 25.02 |
| ACM1M-1313 | | × | | | | | | |
| ACM1M-1318B | | √ | | 1800 | | | 11.5 | 28.8 |
| ACM1M-1318 | | × | | | | | | |
| ACM1M-1315B-DK | □ 130 | √ | 220 | 1500 | 3000 | 5500 | 4.9 | 12.5 |
| ACM1M-1315-DK | | × | | | | | | |
| ACM2M-1309B | | √ | | 850 | | | 5.39 | 16.17 |
| ACM2M-1309 | | × | | | | | | |
| ACM2M-1313B | | √ | | 1300 | 1500 | 4500 | 8.34 | 25.02 |
| ACM2M-1313 | | × | | | | | | |
| ACM2M-1318B | | √ | | 1800 | | | 11.5 | 28.8 |
| ACM2M-1318 | | × | | | | | | |

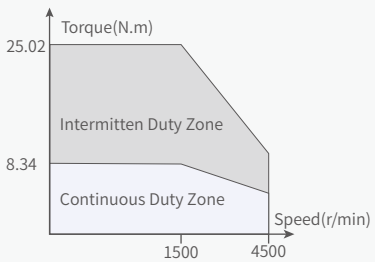
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM1M-1309B | 6.8 | 20.4 | 490 | 98 | 23-bit magnetic encoder | 14.8 | 6.9 |
| ACM1M-1309 | | | | | | 12.5 | 5.5 |
| ACM1M-1313B | 9.3 | 27.9 | 686 | 343 | | 21 | 8.4 |
| ACM1M-1313 | | | | | | 18.7 | 7.0 |
| ACM1M-1318B | 11.2 | 29.3 | 980 | 392 | | 26.1 | 9.7 |
| ACM1M-1318 | | | | | | 23.8 | 8.3 |
| ACM1M-1315B-DK | 6.8 | 17.1 | 490 | 98 | | 14.8 | 6.9 |
| ACM1M-1315-DK | | | | | | 12.5 | 5.5 |
| ACM2M-1309B | 6.8 | 20.4 | 490 | 98 | 23-bit optical encoder | 14.8 | 6.9 |
| ACM2M-1309 | | | | | | 12.5 | 5.5 |
| ACM2M-1313B | 9.3 | 27.9 | 686 | 343 | | 21 | 8.4 |
| ACM2M-1313 | | | | | | 18.7 | 7.0 |
| ACM2M-1318B | 11.7 | 29.3 | 980 | 392 | | 26.1 | 9.7 |
| ACM2M-1318 | | | | | | 23.8 | 8.3 |

## Speed-Torque characteristics

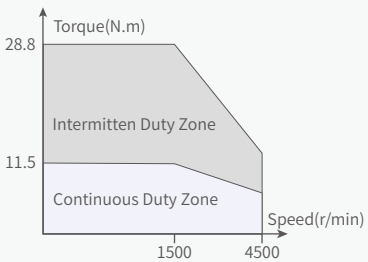
### 850W Motor



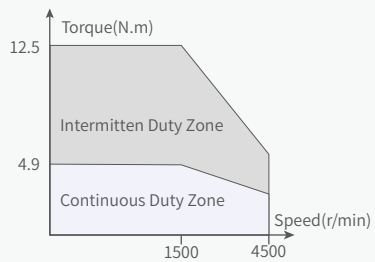

### 1300W Motor



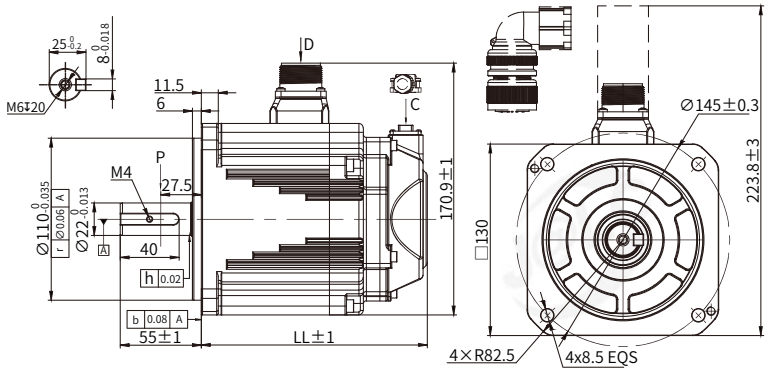

### 1800W Motor




### 1500W Motor



## Dimensions




| Motor Model | LL |
|---|---|
| ACM*M-1309B | 153.5 |
| ACM*M-1309 | 126 |
| ACM*M-1313B | 171.5 |
| ACM*M-1313 | 144 |
| ACM*M-1318B | 189.5 |
| ACM*M-1318 | 162 |
| ACM*M-1315B-DK | 153.5 |
| ACM*M-1315-DK | 126 |

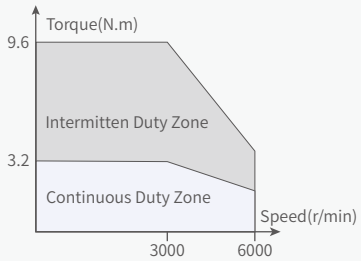
## 100mm Frame size & 1000W～2500W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2L-1010TB | □ 100 | √ | 400 | 1000 | 3000 | 6000 | 3.2 | 9.6 |
| ACM2L-1010T | | × | | | | | | |
| ACM2L-1015TB | | √ | | 1500 | | 5000 | 4.9 | 14.7 |
| ACM2L-1015T | | × | | | | | | |
| ACM2L-1020TB | | √ | | 2000 | | | 6.36 | 19.1 |
| ACM2L-1020T | | × | | | | | | |
| ACM2L-1025TB | | √ | | 2500 | | | 7.96 | 23.9 |
| ACM2L-1025T | | × | | | | | | |

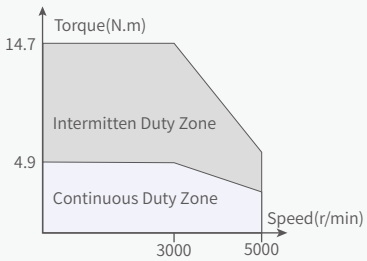
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2L-1010TB | 3.9 | 11.7 | 490 | 98 | 23-bit optical encoder | 2.63 | 5.9 |
| ACM2L-1010T | | | | | | 2.43 | 4.6 |
| ACM2L-1015TB | 4.5 | 13.5 | | | | 3.803 | 7.1 |
| ACM2L-1015T | | | | | | 3.503 | 5.8 |
| ACM2L-1020TB | 6.5 | 19.5 | | 196 | | 3.55 | 7.86 |
| ACM2L-1020T | | | | | | 3.07 | 6.56 |
| ACM2L-1025TB | 7.6 | 22.8 | | 98 | | 4.16 | 9.26 |
| ACM2L-1025T | | | | | | 3.68 | 7.96 |

## Speed-Torque characteristics

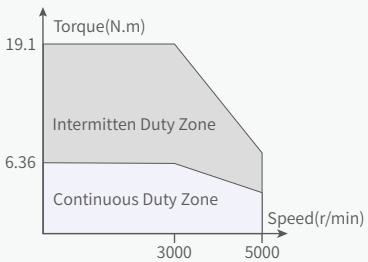
### 1000W Motor



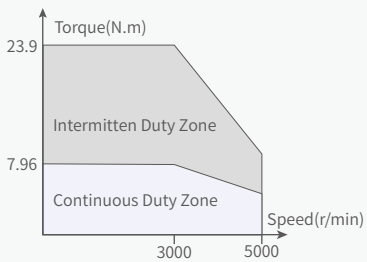

### 1500W Motor



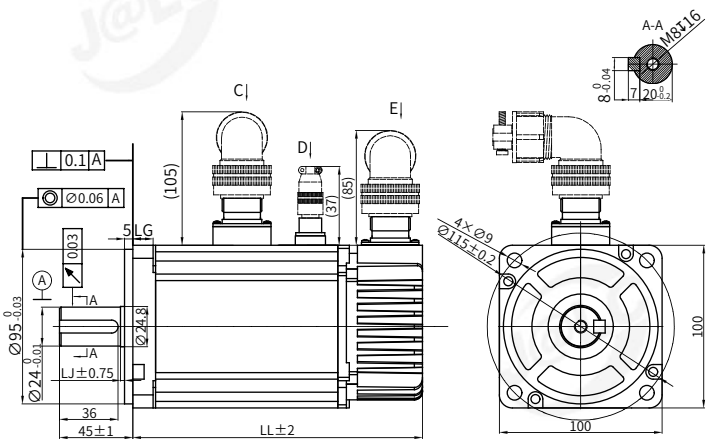

### 2000W Motor




### 2500W Motor



## Dimensions




| Motor Model | LL | LG | LJ |
|---|---|---|---|
| ACM2L-1010TB | 194 | 12 | 2.5 |
| ACM2L-1010T | 154 | | |
| ACM2L-1015TB | 218 | | |
| ACM2L-1015T | 178 | | |
| ACM2L-1020TB | 259 | 10 | 2.0 |
| ACM2L-1020T | 219 | | |
| ACM2L-1025TB | 285 | | |
| ACM2L-1025T | 245 | | |

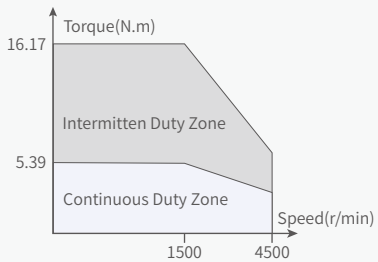
## 130mm Frame size & 850W～3800W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2H-1309TB | □ 130 | √ | 400 | 850 | 1500 | 4500 | 5.39 | 15.13 |
| ACM2H-1309T | | × | | | | | | |
| ACM2H-1313TB | | √ | | 1300 | | | 8.34 | 23.8 |
| ACM2H-1313T | | × | | | | | | |
| ACM2H-1318TB | | √ | | 1800 | | | 11.5 | 32.9 |
| ACM2H-1318T | | × | | | | | | |
| ELM2H-3800LB130ET-H | □ 131 | √ | | 3800 | 2500 | 2800 | 15 | 30 |
| ELM2H-3800LB130FT-H | | × | | | | | | |
| ACM2H-1330TB | □ 130 | √ | | 3000 | 3000 | 6000 | 9.8 | 29.4 |
| ACM2H-1330T | | × | | | | | | |
| ACM2H-1340TB | | √ | | 4000 | | | 12.6 | 37.8 |
| ACM2H-1340T | | × | | | | | | |
| ACM2H-1350TB | | √ | | 5000 | | | 15.8 | 47.4 |
| ACM2H-1350T | | × | | | | | | |

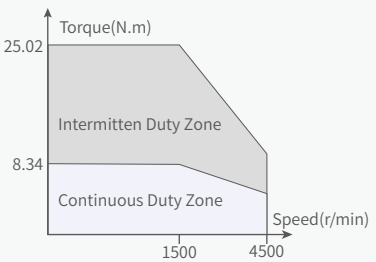
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2H-1309TB | 3.5 | 9.5 | 98 | 490 | | 14.8 | 6.9 |
| ACM2H-1309T | | | | | | 12.5 | 5.5 |
| ACM2H-1313TB | 4.6 | 13.8 | 343 | 686 | | 21 | 8.6 |
| ACM2H-1313T | | | | | | 18.7 | 7.3 |
| ACM2H-1318TB | 5.6 | 15.4 | 392 | 980 | | 26.1 | 10.2 |
| ACM2H-1318T | | | | | | 23.8 | 8.8 |
| ACM2H-1338TB | 7.4 | 15 | 490 | 196 | 23-bit optical encoder | 27.7 | 14.8 |
| ACM2H-1338T | | | | | | | 11.7 |
| ACM2L-1330TB | 10 | 30 | | | | 11.3 | 13.25 |
| ACM2L-1330T | | | | | | 9.6 | 11.55 |
| ACM2L-1340TB | 13 | 39 | \ | \ | | 13.1 | 15.2 |
| ACM2L-1340T | | | | | | 11.4 | 13.5 |
| ACM2L-1350TB | 16 | 48 | | | | 15.6 | 16.7 |
| ACM2L-1350T | | | | | | 13.9 | 15 |

## Speed-Torque characteristics

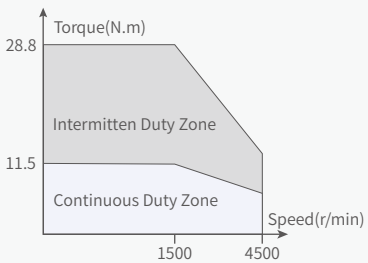
### 850W Motor



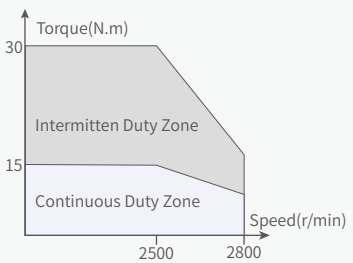

### 1300W Motor



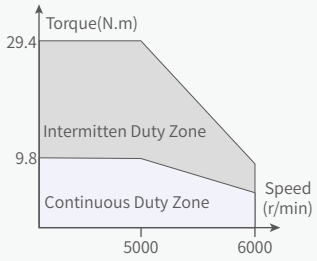

### 1800W Motor



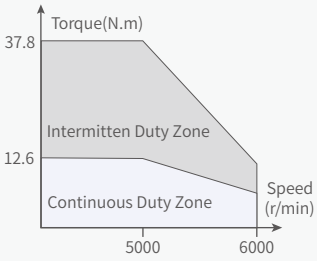

### 3800W Motor



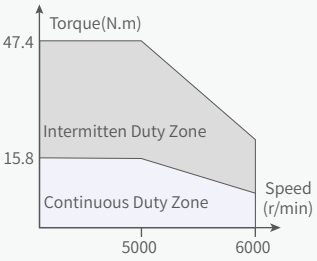
## 3000W Motor



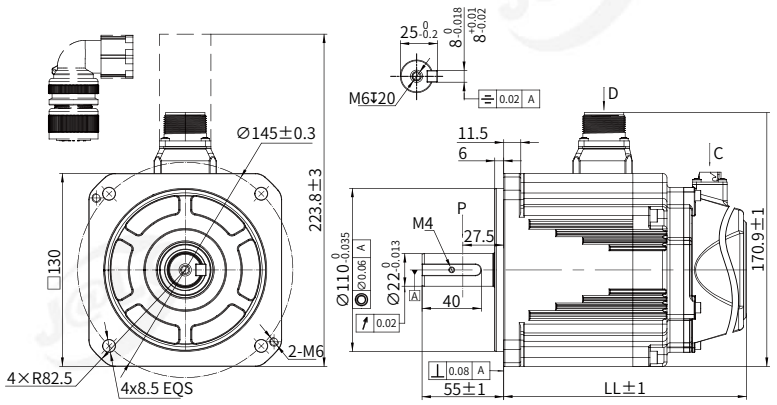

## 4000W Motor



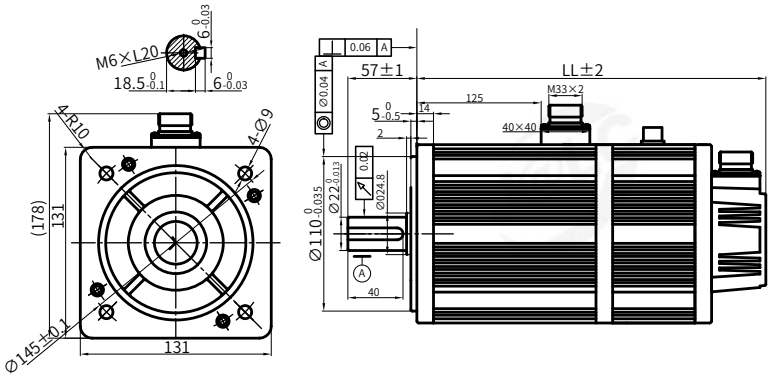

## 5000W Motor



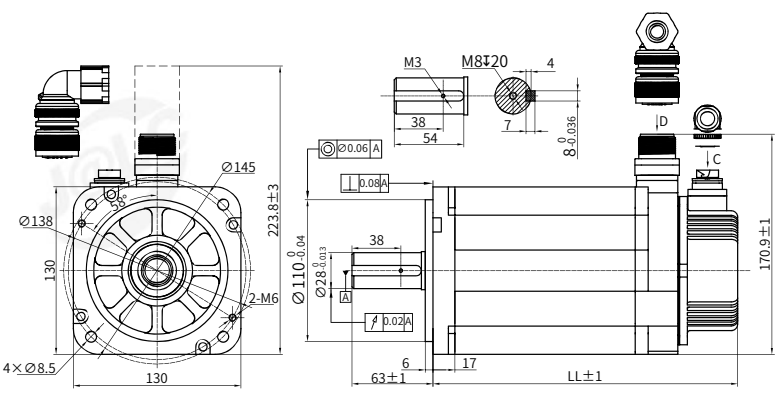

## Dimensions




| Motor Model | LL |
|---|---|
| ACM2H-1309TB | 163.7 |
| ACM2H-1309T | 136.2 |
| ACM2H-1313TB | 181.7 |
| ACM2H-1313T | 154.2 |
| ACM2H-1318TB | 199.7 |
| ACM2H-1318T | 172.2 |




| Motor Model | LL |
|---|---|
| ACM2H-1338TB | 312 |
| ACM2H-1338T | 231 |




| Motor Model | LL |
|---|---|
| ACM2L-1330TB | 248.5 |
| ACM2L-1330T | 236.5 |
| ACM2L-1340TB | 268.5 |
| ACM2L-1340T | 256.5 |
| ACM2L-1350TB | 288.5 |
| ACM2L-1350T | 276.5 |

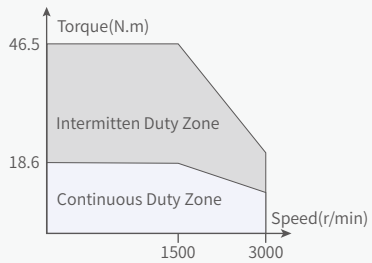
# 180mm Frame size & 2900W~7500W

| Type Name | Frame Size | Brake | Voltage(VAC) | Power(W) | Speed(rpm) | | Torque(Nm) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rated | Max | Rated | Max |
| ACM2M-1829TB | | √ | | 2900 | | | 18.6 | 46.5 |
| ACM2M-1829T | | × | | | | | | |
| ACM2M-1844TB | | √ | | 4400 | | | 28.4 | 71 |
| ACM2M-1844T | □ 180 | × | 400 | | 1500 | 3000 | | |
| ACM2M-1855TB | | √ | | 5500 | | | 35 | 87.5 |
| ACM2M-1855T | | × | | | | | | |
| ACM2M-1875TB | | √ | | 7500 | | | 48 | 119 |
| ACM2M-1875T | | × | | | | | | |

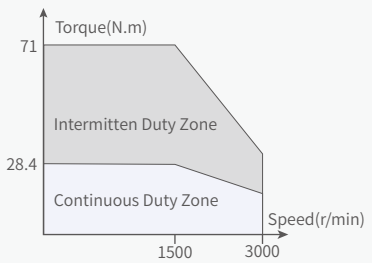
| Type Name | Current(Amps) | | Load to shaft (N) | | Encoder | Inertia (kgm²*10-4) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| | Rated | Max | Rated | Max | | | |
| ACM2M-1829TB | 11.9 | 30 | 1470 | 490 | 23-bit optical encoder | 40.27 | 20.5 |
| ACM2M-1829T | | | | | | 39.78 | 17 |
| ACM2M-1844TB | 16.3 | 41 | | | | 60.41 | 25.4 |
| ACM2M-1844T | | | | | | 59.67 | 21.9 |
| ACM2M-1855TB | 20.5 | 51 | 1764 | 588 | | 73.84 | 30.9 |
| ACM2M-1855T | | | | | | 72.93 | 25.9 |
| ACM2M-1875TB | 25.7 | 64 | | | | 100.7 | 37 |
| ACM2M-1875T | | | | | | 99.45 | 32 |

## Speed-Torque characteristics

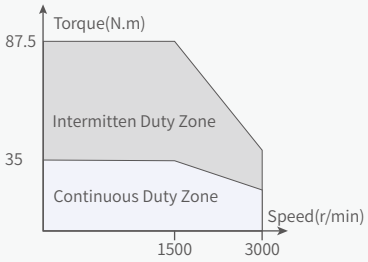
### 2900W Motor



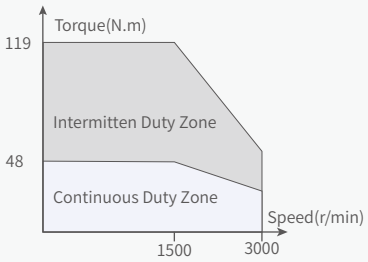

### 4400W Motor



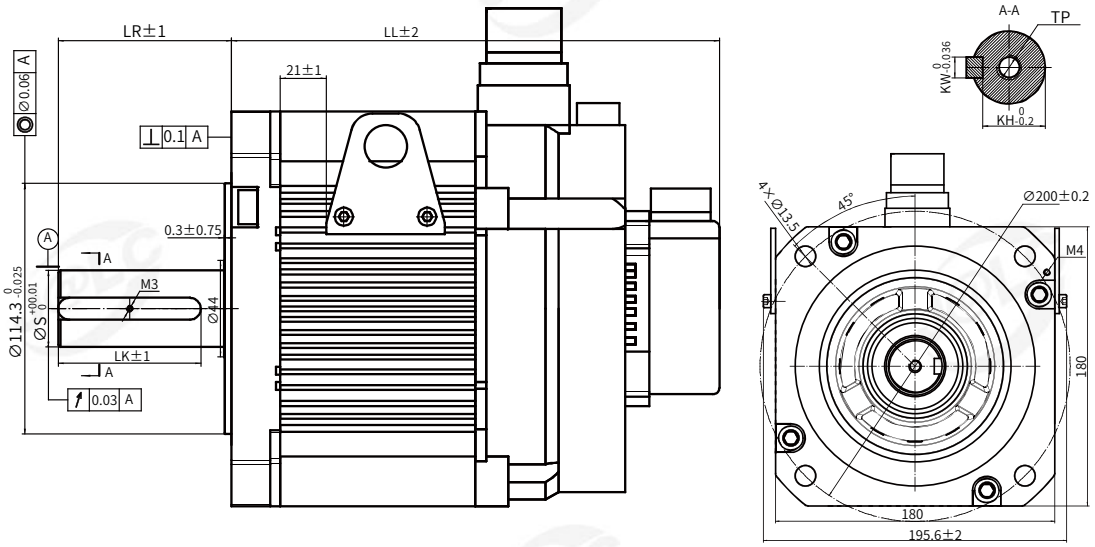
## 5500W Motor




## 7500W Motor




## Dimensions




| Motor Model | LL | LR | LK | S | KW | TP | KH |
|---|---|---|---|---|---|---|---|
| ACM2M-1829TB | 241 | 79 | 65 | 35 | 10 | M12×25 | 30 |
| ACM2M-1829T | 193 | | | | | | |
| ACM2M-1844TB | 271 | | | | | | |
| ACM2M-1844T | 223 | | | | | | |
| ACM2M-1855TB | 291 | 113 | 96 | 42 | 12 | M16×32 | 37 |
| ACM2M-1855T | 243 | | | | | | |
| ACM2M-1875TB | 331 | | | | | | |
| ACM2M-1875T | 283 | | | | | | |