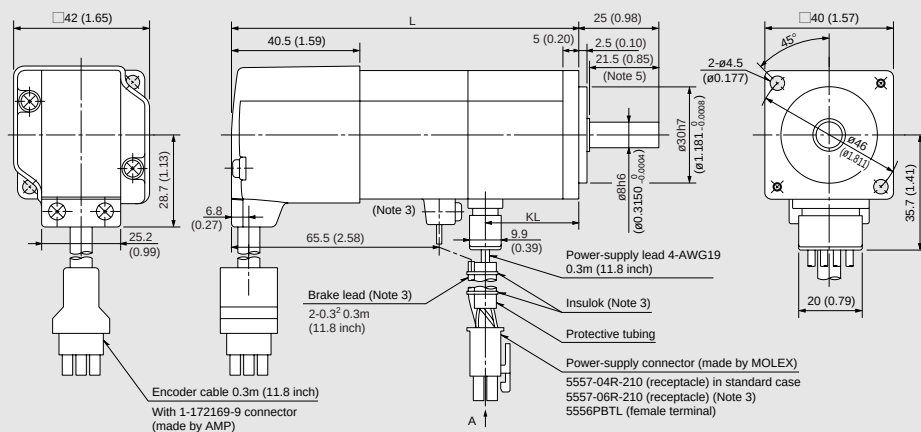


# Motor Dimensions

- HC-KFS053 (B), HC-KFS13 (B)
- HC-MFS053 (B), HC-MFS13 (B)

Unit: mm (inch)



## Standard

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |

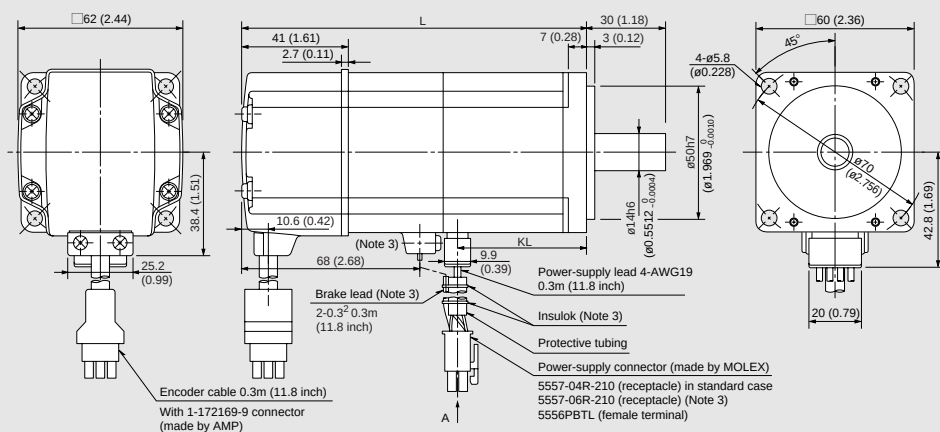
## with Brake

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |
| 5       | —            | B1          |
| 6       | —            | B2          |

| Model         | Variable dimensions |             |
|---------------|---------------------|-------------|
|               | L                   | KL          |
| HC-KFS053 (B) | 81.5 (3.21)         | 29.5 (1.16) |
| HC-MFS053 (B) | <109.5 (4.31)>      |             |
| HC-KFS13 (B)  | 96.5 (3.80)         | 44.5 (1.75) |
| HC-MFS13 (B)  | <124.5 (4.90)>      |             |

- HC-KFS23 (B), HC-KFS43 (B)
- HC-MFS23 (B), HC-MFS43 (B)



## Standard

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |

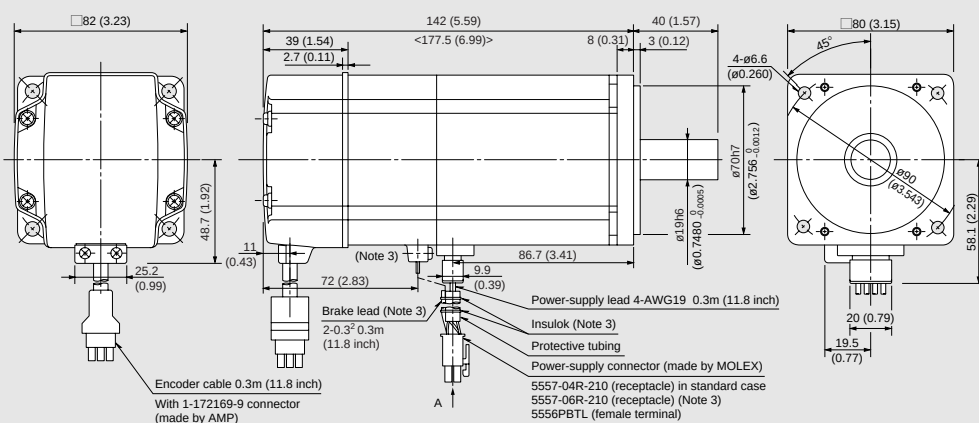
## with Brake

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |
| 5       | —            | B1          |
| 6       | —            | B2          |

| Model        | Variable dimensions |             |
|--------------|---------------------|-------------|
|              | L                   | KL          |
| HC-KFS23 (B) | 99.5 (3.92)         | 49.1 (1.93) |
| HC-MFS23 (B) | <131.5 (5.18)>      |             |
| HC-KFS43 (B) | 124.5 (4.90)        | 72.1 (2.84) |
| HC-MFS43 (B) | <156.5 (6.16)>      |             |

- HC-MFS73 (B)



## Standard

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |

## with Brake

Power-supply connector pin assign

| Pin No. | Lead Color   | Signal Name |
|---------|--------------|-------------|
| 1       | Red          | U phase     |
| 2       | White        | V phase     |
| 3       | Black        | W phase     |
| 4       | Green/Yellow | Earth       |
| 5       | —            | B1          |
| 6       | —            | B2          |

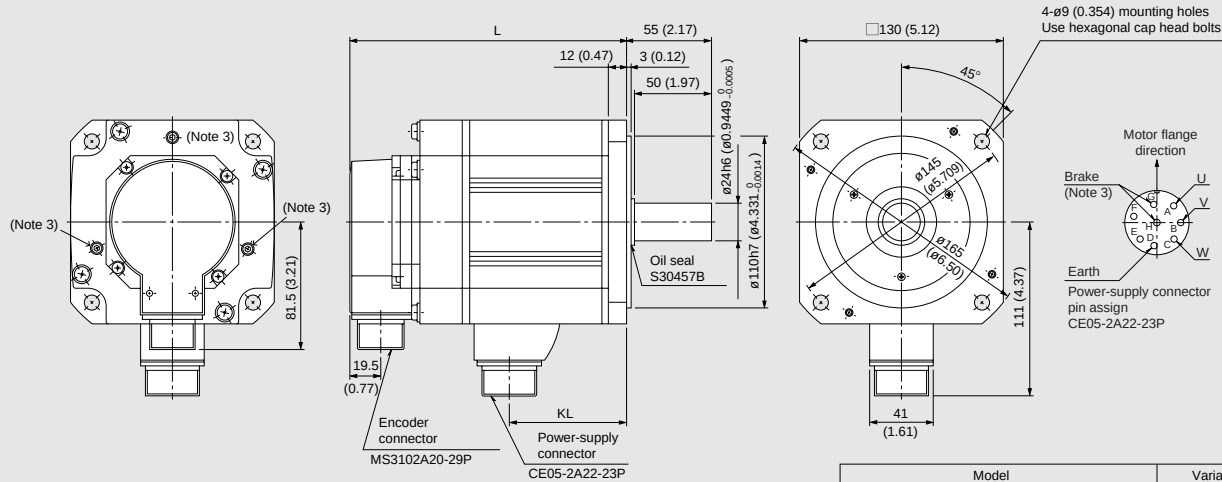
## Notes:

1. Use a friction coupling to fasten the load.
2. Dimensions inside < > are for models with electromagnetic brake.
3. Only for models with electromagnetic brake.
4. For dimensions where there is no tolerance listed, use general tolerance.
5. For HC-KFS053 (B) and KFS13 (B).

# Motor Dimensions

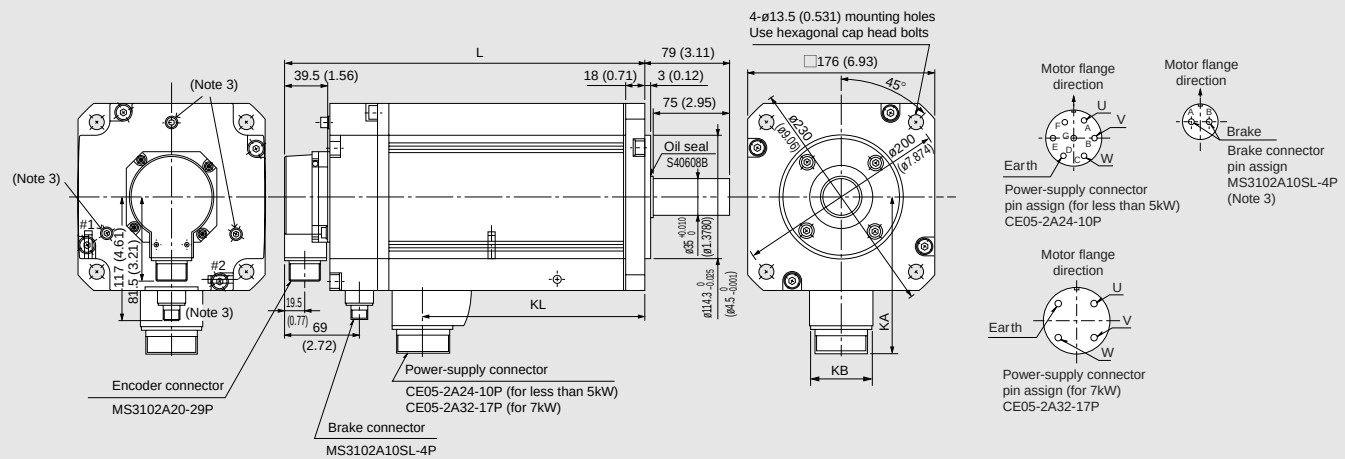
- HC-SFS81(B)
- HC-SFS52(B)~HC-SFS152(B)
- HC-SFS53(B)~HC-SFS153(B)

Unit: mm (inch)



| Model        |               |               | Variable dimensions        |              |
|--------------|---------------|---------------|----------------------------|--------------|
| 1000 r/min   | 2000 r/min    | 3000 r/min    | L                          | KL           |
| —            | HC-SFS52 (B)  | HC-SFS53 (B)  | 120 (4.72)<br><153 (6.02)> | 51.5 (2.03)  |
| —            | HC-SFS102 (B) | HC-SFS103 (B) | 145 (5.71)<br><178 (7.01)> | 76.5 (3.01)  |
| HC-SFS81 (B) | HC-SFS152 (B) | HC-SFS153 (B) | 170 (6.69)<br><203 (7.99)> | 101.5 (4.00) |

- HC-SFS121(B)~HC-SFS301(B)
- HC-SFS202(B)~HC-SFS702(B) (Note 5)
- HC-SFS203(B)~HC-SFS353(B)



#1 and #2 are screw holes for hanging bolt. (M8)  
Only HC-SFS702(B) has screw holes for hanging bolt.

| Model         |                                         |               | Variable dimensions          |              |            |           |
|---------------|-----------------------------------------|---------------|------------------------------|--------------|------------|-----------|
| 1000 r/min    | 2000 r/min                              | 3000 r/min    | L                            | KL           | KA         | KB        |
| HC-SFS121 (B) | HC-SFS202 (B)                           | HC-SFS203 (B) | 145 (5.71)<br><193 (7.60)>   | 68.5 (2.70)  | 142 (5.60) | 46 (1.81) |
| HC-SFS201 (B) | HC-SFS352 (B)                           | HC-SFS353 (B) | 187 (7.36)<br><235 (9.25)>   | 110.5 (4.35) | 142 (5.60) | 46 (1.81) |
| HC-SFS301 (B) | HC-SFS502 (B)<br>(introduction planned) | —             | 208 (8.19)<br><256 (10.08)>  | 131.5 (5.18) | 142 (5.60) | 46 (1.81) |
| —             | HC-SFS702 (B)<br>(introduction planned) | —             | 292 (11.50)<br><340 (13.39)> | 210.5 (8.29) | 150 (5.91) | 58 (2.28) |

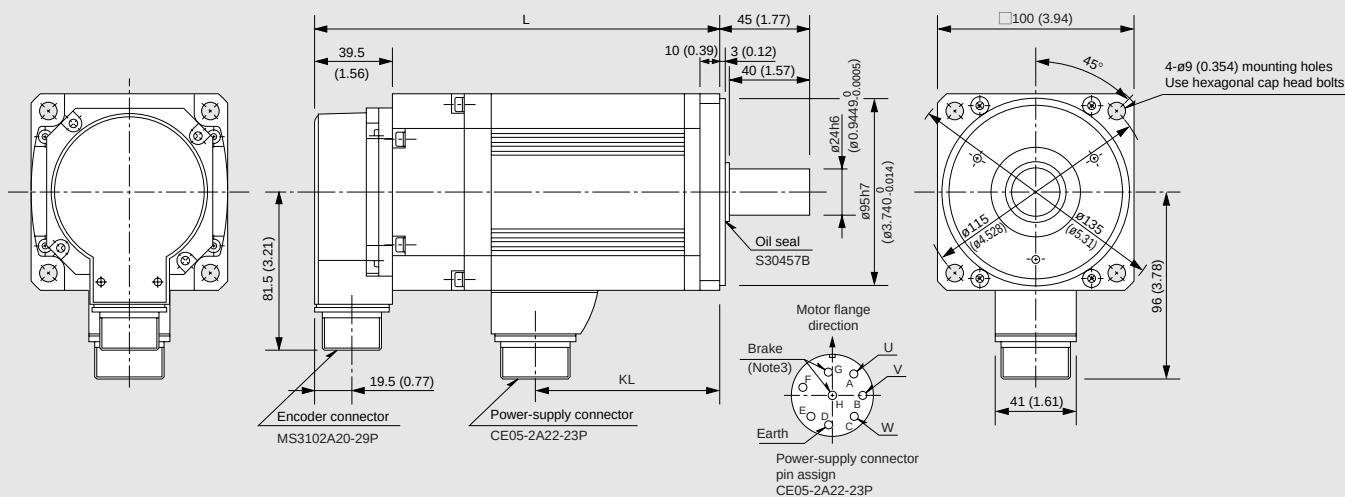
## Notes:

1. Use a friction coupling to fasten the load.
2. Dimensions inside < > are for models with electromagnetic brake.
3. Only for models with electromagnetic brake.
4. For dimensions where there is no tolerance listed, use general tolerance.
5. HC-SFS502(B) and HC-SFS702(B) are available soon.

# Motor Dimensions

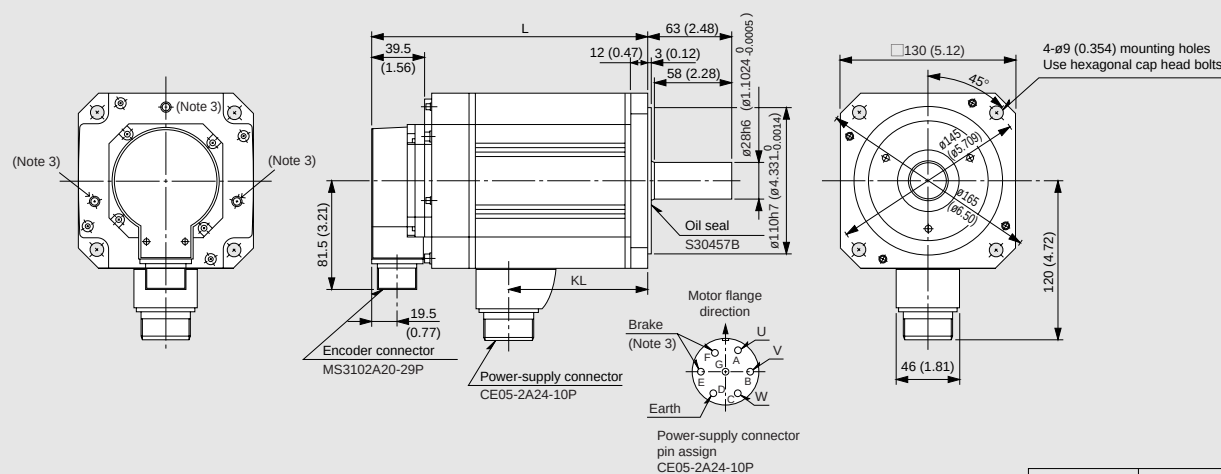
## ●HC-RFS103 (B), HC-RFS153 (B), HC-RFS203 (B)

Unit: mm (inch)



| Model         | Variable dimensions        |            |
|---------------|----------------------------|------------|
|               | L                          | KL         |
| HC-RFS103 (B) | 147 (5.79)<br><185 (7.28)> | 71 (2.80)  |
| HC-RFS153 (B) | 172 (6.77)<br><210 (8.27)> | 96 (3.78)  |
| HC-RFS203 (B) | 197 (7.76)<br><235 (9.25)> | 121 (4.76) |

## ●HC-RFS353 (B), HC-RFS503 (B) (Available soon)



| Model                                   | Variable dimensions          |            |
|-----------------------------------------|------------------------------|------------|
|                                         | L                            | KL         |
| HC-RFS353 (B)<br>(introduction planned) | 217 (8.54)<br><254 (10.00)>  | 148 (5.83) |
| HC-RFS503 (B)<br>(introduction planned) | 274 (10.79)<br><311 (12.24)> | 205 (8.07) |

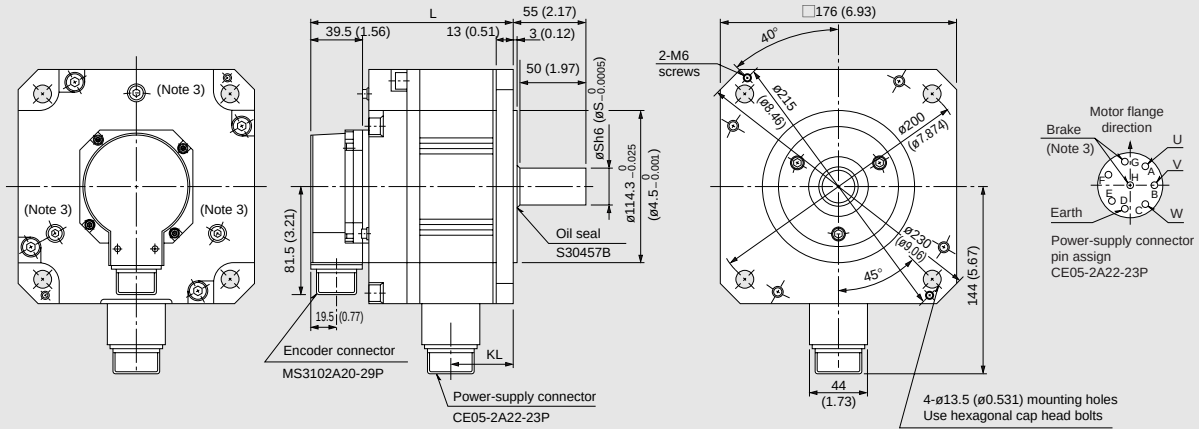
### Notes:

1. Use a friction coupling to fasten the load.
2. Dimensions inside < > are for models with electromagnetic brake.
3. Only for models with electromagnetic brake.
4. For dimensions where there is no tolerance listed, use general tolerance.

# Motor Dimensions

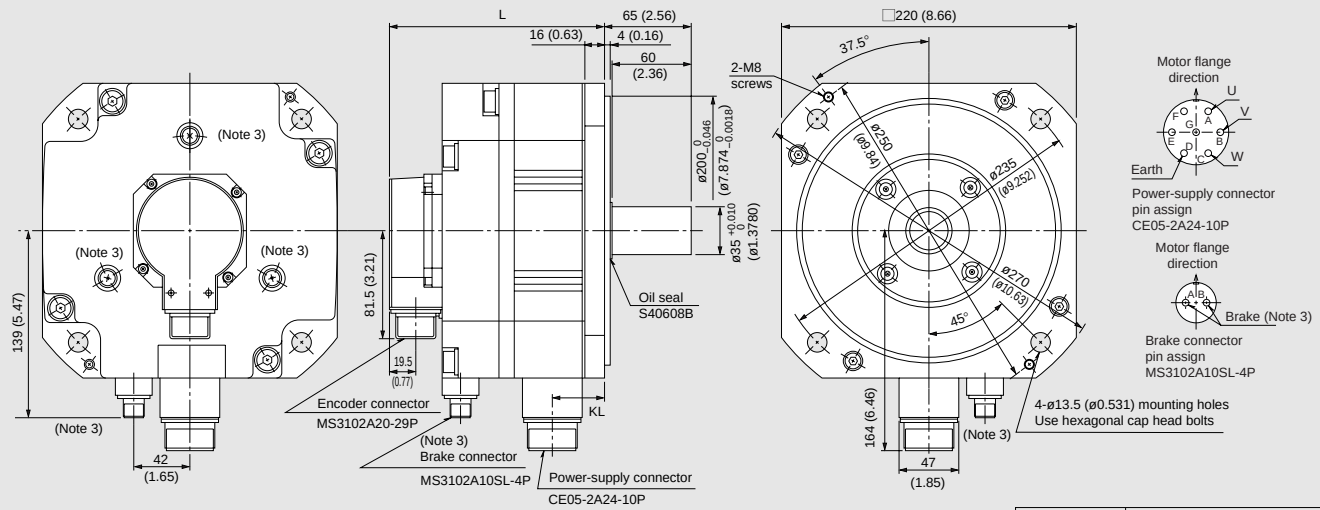
## ●HC-UFS72(B), HC-UFS152(B)

Unit: mm (inch)



| Model         | Variable dimensions          |             |             |
|---------------|------------------------------|-------------|-------------|
|               | L                            | KL          | S           |
| HC-UFS72 (B)  | 110.5 (4.35)<br><144 (5.67)> | 38 (1.50)   | 22 (0.8661) |
| HC-UFS152 (B) | 120 (4.72)<br><153.5 (6.04)> | 47.5 (1.87) | 28 (1.1024) |

## ●HC-UFS202(B)~HC-UFS502(B) (Note 5)



| Model                                   | Variable dimensions        |             |
|-----------------------------------------|----------------------------|-------------|
|                                         | L                          | KL          |
| HC-UFS202 (B)                           | 118 (4.65)<br><161 (6.34)> | 42.5 (1.67) |
| HC-UFS352 (B)<br>(introduction planned) | 142 (5.59)<br><185 (7.28)> | 66.5 (2.62) |
| HC-UFS502 (B)<br>(introduction planned) | 166 (6.54)<br><209 (8.23)> | 90.5 (3.56) |

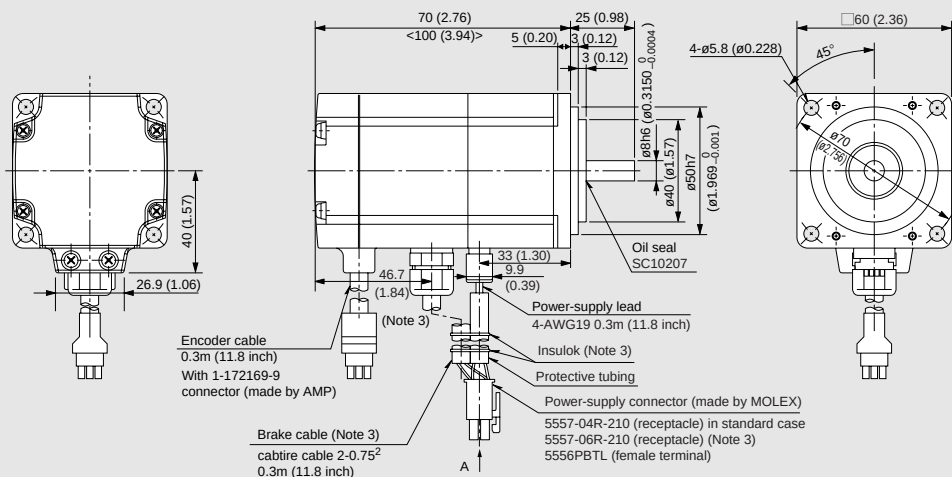
### Notes:

1. Use a friction coupling to fasten the load.
2. Dimensions inside < > are for models with electromagnetic brake.
3. Only for models with electromagnetic brake.
4. For dimensions where there is no tolerance listed, use general tolerance.
5. HC-UFS352 (B) and HC-UFS502 (B) are available soon.

# Motor Dimensions

## ● HC-UFS13 (B)

Unit: mm (inch)

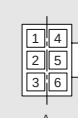


### Standard



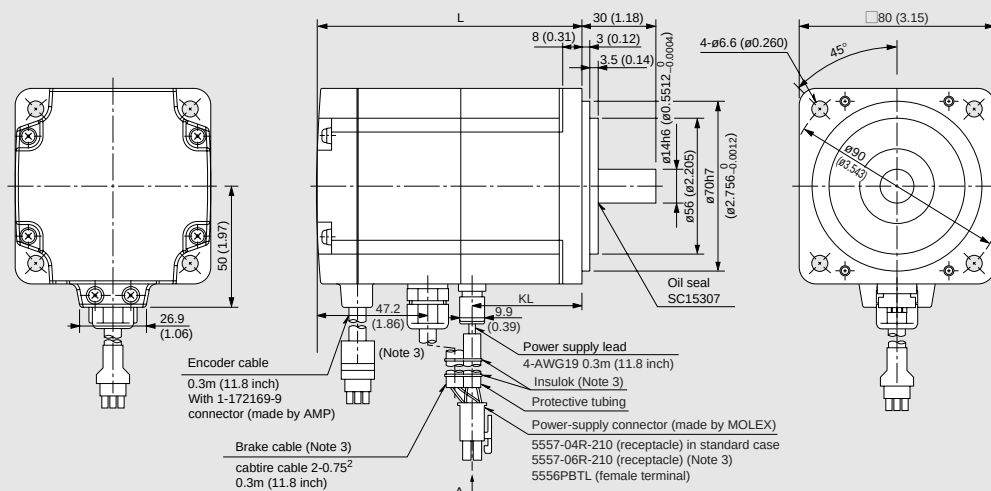
| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |

### with Brake



| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |
| 5                                 | —            | B1          |
| 6                                 | —            | B2          |

## ● HC-UFS23 (B), HC-UFS43 (B)

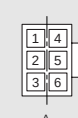


### Standard



| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |

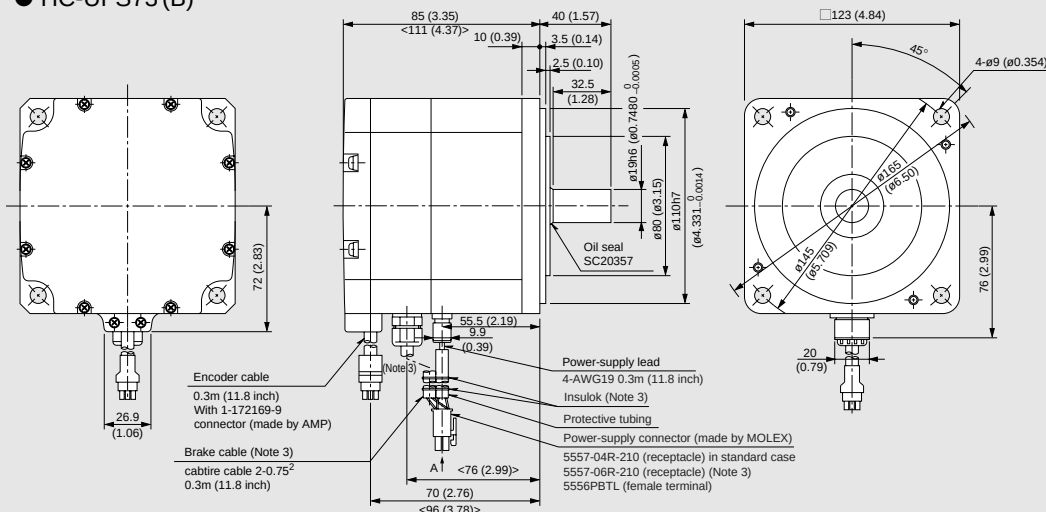
### with Brake



| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |
| 5                                 | —            | B1          |
| 6                                 | —            | B2          |

| Model        | Variable dimensions       |             |
|--------------|---------------------------|-------------|
|              | L                         | KL          |
| HC-UFS23 (B) | 77 (3.03)<br><111 (4.37)> | 43.8 (1.72) |
| HC-UFS43 (B) | 92 (3.62)<br><126 (4.96)> | 58.8 (2.31) |

## ● HC-UFS73 (B)

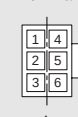


### Standard



| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |

### with Brake



| Power-supply connector pin assign |              |             |
|-----------------------------------|--------------|-------------|
| Pin No.                           | Lead Color   | Signal Name |
| 1                                 | Red          | U phase     |
| 2                                 | White        | V phase     |
| 3                                 | Black        | W phase     |
| 4                                 | Green/Yellow | Earth       |
| 5                                 | —            | B1          |
| 6                                 | —            | B2          |

### Notes:

1. Use a friction coupling to fasten the load.
2. Dimensions inside < > are for models with electromagnetic brakes.
3. Only for models with electromagnetic brakes.
4. For dimensions where there is no tolerance listed, use general tolerance.