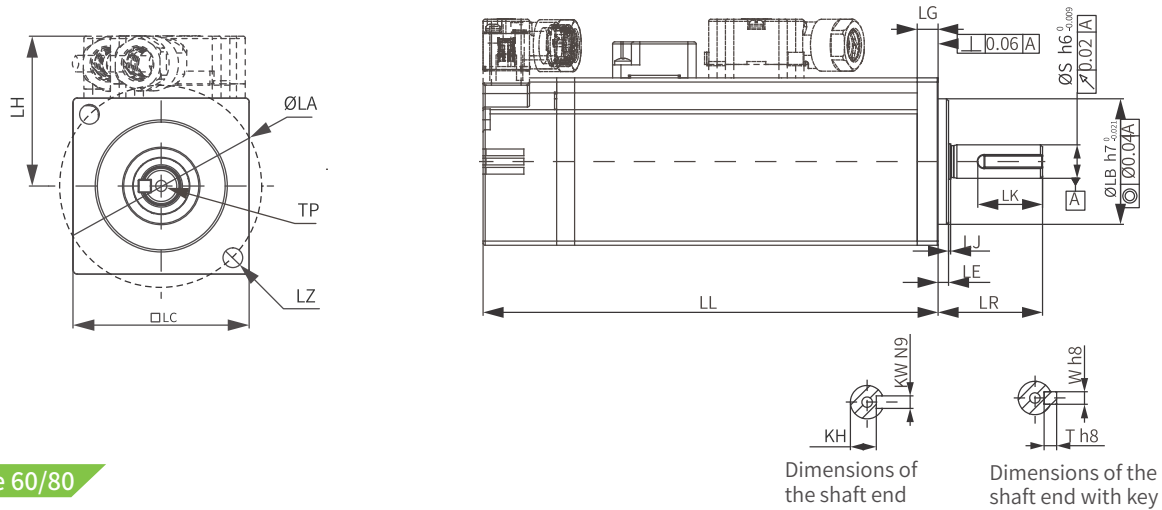
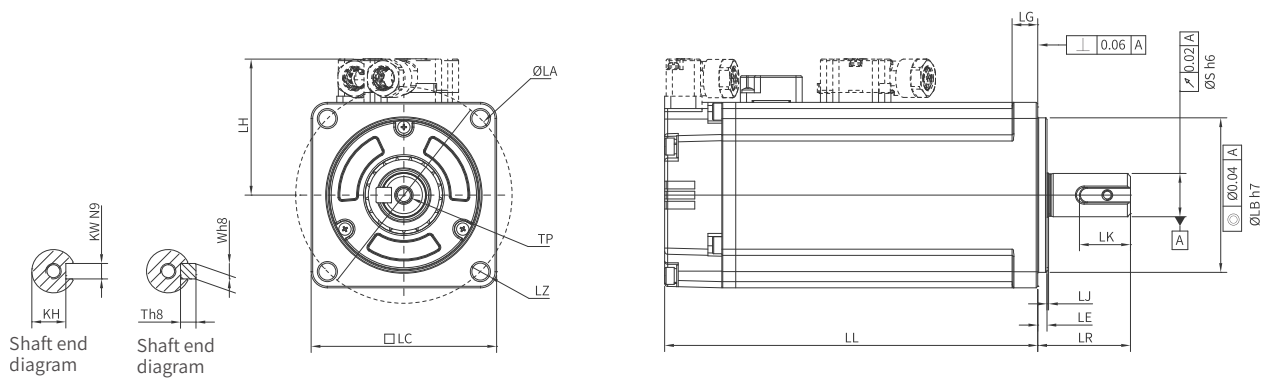


Dimensions of MS1-R Series H1/H4 Motors

Flange size 40



Flange size 60/80



| Motor Model | | LC (mm) | LL (mm) | LR (mm) | LA (mm) | LZ (mm) | LH (mm) | LG (mm) | LE (mm) | LJ (mm) | LB (mm) |
|----------------|---------------------|---------|------------|---------|---------|----------|---------|---------|---------|----------|-------------------------|
| Flange size 40 | MS1H1-05B30CB-□□3□Z | 40 | 65.4 (96) | 25±0.3 | 46 | 2 - Ø4.5 | 34.3 | 5 | 2.5±0.5 | 0.5±0.35 | Ø30h7 _{-0.021} |
| | MS1H1-10B30CB-□□3□Z | 40 | 78.4 (110) | 25±0.3 | 46 | 2 - Ø4.5 | 34.3 | 5 | 2.5±0.5 | 0.5±0.35 | Ø30h7 _{-0.021} |
| | MS1H4-10B30CB-□□3□Z | 40 | 91 (121.5) | 25±0.3 | 46 | 2 - Ø4.5 | 34.3 | 5 | 2.5±0.5 | 0.5±0.35 | Ø30h7 _{-0.021} |

| Motor Model | | S (mm) | TP (mm) | LK (mm) | KH (mm) | KW (mm) | W (mm) | T (mm) | Weight (kg) |
|----------------|---------------------|--------|---------|---------|---------------------|---------|--------|--------|-------------|
| Flange size 40 | MS1H1-05B30CB-□□3□Z | 8 | M3×6 | 15.5 | 6.2 _{-0.1} | 3 | 3 | 3 | 0.39 (0.50) |
| | MS1H1-10B30CB-□□3□Z | 8 | M3×6 | 15.5 | 6.2 _{-0.1} | 3 | 3 | 3 | 0.45 (0.64) |
| | MS1H4-10B30CB-□□3□Z | 8 | M3×6 | 15.5 | 6.2 _{-0.1} | 3 | 3 | 3 | 0.45 (0.64) |

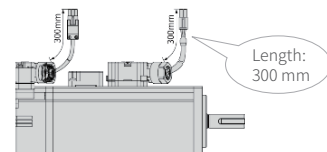
Note: [3] MS1-R series motors with flange size 40 is upcoming.

| Motor Model | | LC (mm) | LL (mm) | LR (mm) | LA (mm) | LZ (mm) | LH (mm) | LG (mm) | LE (mm) | LJ (mm) | LB (mm) |
|-------------------|-------------------------|---------|---------------|---------|---------|----------|---------|---------|---------|----------|--------------------------------------|
| Flange size 60/80 | MS1H1-20B30CB- □□ 3 □ R | 60 | 75.5 (103) | 30±0.5 | 70 | 4 – Ø5.5 | 44 | 8 | 3±0.5 | 0.5±0.35 | Ø50h7 ⁰ _{-0.025} |
| | MS1H1-40B30CB- □□ 3 □ R | 60 | 93 (121) | 30±0.5 | 70 | 4 – Ø5.5 | 44 | 8 | 3±0.5 | 0.5±0.35 | Ø50h7 ⁰ _{-0.021} |
| | MS1H1-55B30CB- □□ 3 □ R | 80 | 96.7 (/) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |
| | MS1H1-75B30CB- □□ 3 □ R | 80 | 107.3 (141.5) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |
| | MS1H1-10C30CB- □□ 3 □ R | 80 | 119.2 (153.4) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |
| | MS1H4-20B30CB- □□ 3 □ R | 60 | 73.5 (101.1) | 30±0.5 | 70 | 4 – Ø5.5 | 44 | 8 | 3±0.5 | 0.5±0.35 | Ø50h7 ⁰ _{-0.025} |
| | MS1H4-40B30CB- □□ 3 □ R | 60 | 92 (119.8) | 30±0.5 | 70 | 4 – Ø5.5 | 44 | 8 | 3±0.5 | 0.5±0.35 | Ø50h7 ⁰ _{-0.021} |
| | MS1H4-55B30CB- □□ 3 □ R | 80 | 96.7 (/) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |
| | MS1H4-75B30CB- □□ 3 □ R | 80 | 107.3 (140.5) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |
| | MS1H4-10C30CB- □□ 3 □ R | 80 | 118.7 (153.2) | 35±0.5 | 90 | 4 – Ø7 | 54 | 7.5 | 3±0.5 | 0.5±0.35 | Ø70h7 ⁰ _{-0.03} |

| Motor Model | | S (mm) | TP (mm) | LK (mm) | KH (mm) | KW (mm) | W (mm) | T (mm) | Weight (kg) |
|-------------------|-------------------------|--------|---------|---------|-----------|---------|--------|--------|-------------|
| Flange size 60/80 | MS1H1-20B30CB- □□ 3 □ R | 14 | M5×8 | 16.5 | 110-0.1 | 5 | 5 | 5 | 0.80 (1.17) |
| | MS1H1-40B30CB- □□ 3 □ R | 14 | M5×8 | 16.5 | 110-0.1 | 5 | 5 | 5 | 1.11 (1.48) |
| | MS1H1-55B30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 1.88 (/) |
| | MS1H1-75B30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 2.22 (2.88) |
| | MS1H1-10C30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 2.61 (3.27) |
| | MS1H4-20B30CB- □□ 3 □ R | 14 | M5×8 | 16.5 | 110-0.1 | 5 | 5 | 5 | 0.78 (1.16) |
| | MS1H4-40B30CB- □□ 3 □ R | 14 | M5×8 | 16.5 | 110-0.1 | 5 | 5 | 5 | 1.11 (1.48) |
| | MS1H4-55B30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 1.85 (/) |
| | MS1H4-75B30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 2.18 (2.82) |
| | MS1H4-10C30CB- □□ 3 □ R | 19 | M6×20 | 26 | 15.50-0.1 | 6 | 6 | 6 | 2.55 (2.9) |

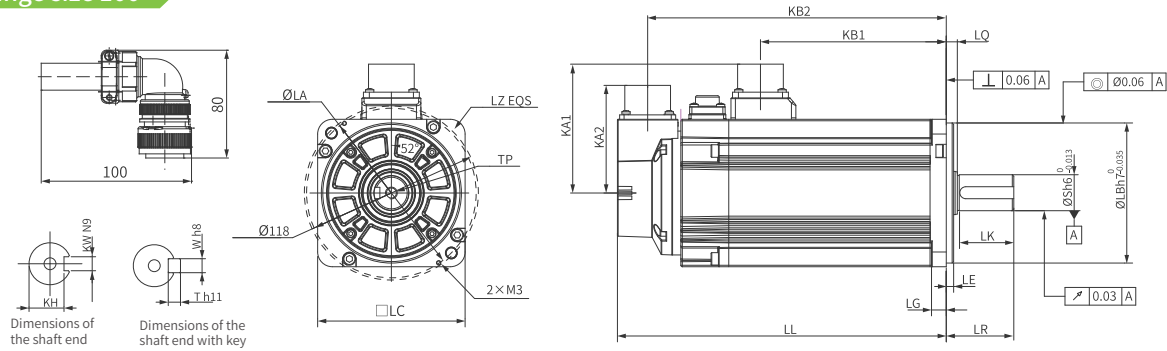
Note : [1] Values in the parentheses are for the motor with brake.

[2] Models ended with -S represent motors with flying leads. These motors carry flying leads of about 300 mm, as shown on the right.

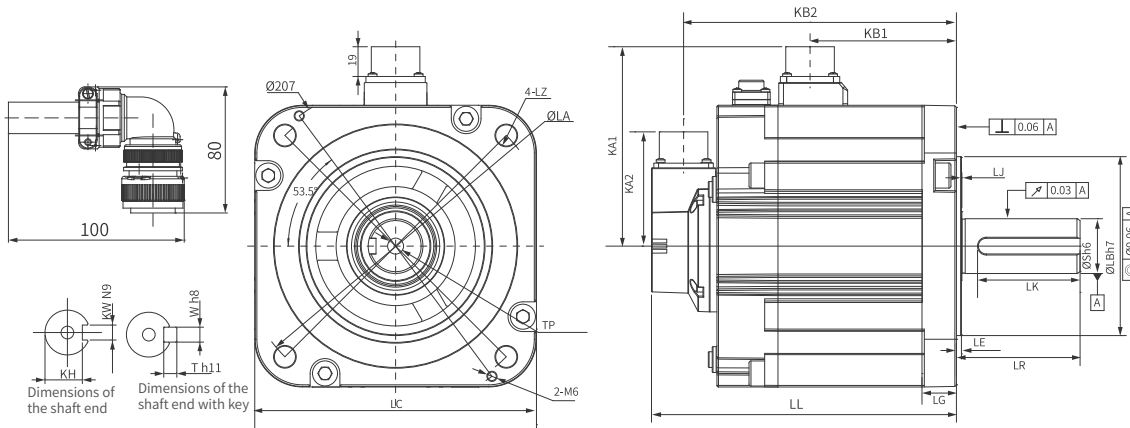


Dimensions of MS1-R Series H2/H3 Motors

Flange size 100



Flange size 130/180



| Motor Model | | LC (mm) | LL (mm) | LR (mm) | LA (mm) | LZ (mm) | KA1 (mm) | KB1 (mm) | KA2 (mm) | KB2 (mm) | LG (mm) | LE (mm) |
|-----------------|---------------------|---------|---------|---------|---------|---------|----------|----------|----------|----------|---------|---------|
| Flange size 100 | MS1H2-10C30CB-□□3□R | 100 | 144 | 45±1 | 115 | 4 - Ø7 | 88 | 75 | 73 | 123.5 | 10 | 5±0.3 |
| | MS1H2-10C30CD-□□3□R | | (172) | | | | | | | | | |
| | MS1H2-15C30CB-□□3□R | 100 | 161 | 45±1 | 115 | 4 - Ø7 | 88 | 92 | 73 | 140.5 | 10 | 5±0.3 |
| | MS1H2-15C30CD-□□3□R | | (189) | | | | | | | | | |
| | MS1H2-20C30CB-□□3□R | 100 | 177 | 45±1 | 115 | 4 - Ø7 | 88 | 108 | 73 | 156.5 | 10 | 5±0.3 |
| | MS1H2-20C30CD-□□3□R | | (205) | | | | | | | | | |
| | MS1H2-25C30CB-□□3□R | 100 | 195 | 45±1 | 115 | 4 - Ø7 | 88 | 126 | 73 | 174.5 | 10 | 5±0.3 |
| | MS1H2-25C30CD-□□3□R | | (223) | | | | | | | | | |

| Motor Model | | LQ (mm) | LB (mm) | S (mm) | TP (mm) | LK (mm) | KH (mm) | KW (mm) | W (mm) | T (mm) | Weight (kg) |
|-----------------|---------------------|----------|-------------------------|--------|---------|---------|--------------------|---------|--------|--------|-------------|
| Flange size 100 | MS1H2-10C30CB-□□3□R | 7.5±0.75 | Ø95h7 _{-0.035} | 24 | M8×16 | 36 | 20 _{-0.2} | 8 | 8 | 7 | 3.85 |
| | MS1H2-10C30CD-□□3□R | | | | | | | | | | |
| | MS1H2-15C30CB-□□3□R | 7.5±0.75 | Ø95h7 _{-0.035} | 24 | M8×16 | 36 | 20 _{-0.2} | 8 | 8 | 7 | 4.65 |
| | MS1H2-15C30CD-□□3□R | | | | | | | | | | |
| | MS1H2-20C30CB-□□3□R | 7.5±0.75 | Ø95h7 _{-0.035} | 24 | M8×16 | 36 | 20 _{-0.2} | 8 | 8 | 7 | 5.5 |
| | MS1H2-20C30CD-□□3□R | | | | | | | | | | |
| | MS1H2-25C30CB-□□3□R | 7.5±0.75 | Ø95h7 _{-0.035} | 24 | M8×16 | 36 | 20 _{-0.2} | 8 | 8 | 7 | 6.3 |
| | MS1H2-25C30CD-□□3□R | | | | | | | | | | |

| Motor Model | | LC (mm) | LL (mm) | LR (mm) | LA (mm) | LZ (mm) | KA1 (mm) | KB1 (mm) | KA2 (mm) | KB2 (mm) | LG (mm) | LE (mm) |
|-----------------|--|---------|--------------|---------|---------|---------|----------|----------|----------|------------------|---------|---------|
| Flange size 130 | MS1H2-30C30CB- □□ 3 □ R MS1H2-30C30CD- □□ 3 □ R | 130 | 198 (223) | 63±1 | 145 | 4 – Ø9 | 102.4 | 127.5 | 73 | 177.5 (202.5) | 12 | 6±0.3 |
| | MS1H2-40C30CB- □□ 3 □ R MS1H2-40C30CD- □□ 3 □ R | 130 | 236 (261) | 63±1 | 145 | 4 – Ø9 | 102.4 | 165.5 | 73 | 215.5 (240.5) | 12 | 6±0.3 |
| | MS1H2-50C30CB- □□ 3 □ R MS1H2-50C30CD- □□ 3 □ R | 130 | 274 (299) | 63±1 | 145 | 4 – Ø9 | 102.4 | 203.5 | 73 | 253.5 (278.5) | 12 | 6±0.3 |
| | MS1H3-85B15CB- □□ 3 □ R MS1H3-85B15CD- □□ 3 □ R | 130 | 142 (167) | 55±1 | 145 | 4 – Ø9 | 103 | 70 | 73 | 121.5 (146.5) | 14 | 4 |
| | MS1H3-13C15CB- □□ 3 □ R MS1H3-13C15CD- □□ 3 □ R | 130 | 157 (182) | 55±1 | 145 | 4 – Ø9 | 103 | 85 | 73 | 136.5 (161.5) | 14 | 4 |
| | MS1H3-18C15CB- □□ 3 □ R MS1H3-18C15CD- □□ 3 □ R | 130 | 172 (197) | 55±1 | 145 | 4 – Ø9 | 103 | 100 | 73 | 151.5 (176.5) | 14 | 4 |

| Motor Model | | LJ (mm) | LB (mm) | S (mm) | TP (mm) | LK (mm) | KH (mm) | KW (mm) | W (mm) | T (mm) | Weight (kg) |
|-----------------|--|----------|--------------------------|--------|---------|---------|--------------------|---------|--------|--------|-----------------|
| Flange size 130 | MS1H2-30C30CB- □□ 3 □ R MS1H2-30C30CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 28 | M8×20 | 54 | 24 _{-0.2} | 8 | 8 | 7 | 10.0 (11.9) |
| | MS1H2-40C30CB- □□ 3 □ R MS1H2-40C30CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 28 | M8×20 | 54 | 24 _{-0.2} | 8 | 8 | 7 | 13.2 (15.1) |
| | MS1H2-50C30CB- □□ 3 □ R MS1H2-50C30CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 28 | M8×20 | 54 | 24 _{-0.2} | 8 | 8 | 7 | 16.5 (18.25) |
| | MS1H3-85B15CB- □□ 3 □ R MS1H3-85B15CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 22 | M6×20 | 36 | 18 _{-0.2} | 8 | 8 | 7 | 5.8 (7.7) |
| | MS1H3-13C15CB- □□ 3 □ R MS1H3-13C15CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 22 | M6×20 | 36 | 18 _{-0.2} | 8 | 8 | 7 | 7.1 (8.9) |
| | MS1H3-18C15CB- □□ 3 □ R MS1H3-18C15CD- □□ 3 □ R | 0.5±0.75 | Ø110h7 _{-0.035} | 22 | M6×20 | 36 | 18 _{-0.2} | 8 | 8 | 7 | 8.5 (10.3) |

| Motor Model | | LC (mm) | LL (mm) | LR (mm) | LA (mm) | LZ (mm) | KA1 (mm) | KB1 (mm) | KA2 (mm) | KB2 (mm) | LG (mm) | LE (mm) |
|-----------------|--|---------|------------------|---------|---------|-----------|----------|----------|----------|------------------|---------|---------|
| Flange size 180 | MS1H3-29C15CB- □□ 3 □ R MS1H3-29C15CD- □□ 3 □ R | 180 | 161 (194.8) | 79±1 | 200 | 4 – Ø13.5 | 127.4 | 93.5 | 73 | 140.5 (174.3) | 22 | 3.2±0.3 |
| | MS1H3-44C15CB- □□ 3 □ R | 180 | 184.5 (218.3) | 79±1 | 200 | 4 – Ø13.5 | 127.4 | 117 | 73 | 164 (197.8) | 22 | 3.2±0.3 |
| | MS1H3-44C15CD- □□ 3 □ R | 180 | 184.5 (218.3) | 79±1 | 200 | 4 – Ø13.5 | 127.4 | 117 | 73 | 164 (197.8) | 22 | 3.2±0.3 |
| | MS1H3-55C15CD- □□ 3 □ R | 180 | 208 (241.8) | 113±1 | 200 | 4 – Ø13.5 | 127.4 | 140.5 | 73 | 187.5 (221.3) | 22 | 3.2±0.3 |
| | MS1H3-75C15CD- □□ 3 □ R | 180 | 255 (288.8) | 113±1 | 200 | 4 – Ø13.5 | 127.4 | 187.5 | 73 | 234.5 (234.5) | 22 | 3.2±0.3 |

| Motor Model | | LJ (mm) | LB (mm) | S (mm) | TP (mm) | LK (mm) | KH (mm) | KW (mm) | W (mm) | T (mm) | Weight (kg) |
|-----------------|--|----------|----------------------------|--------|---------|---------|--------------------|---------|--------|--------|----------------|
| Flange size 180 | MS1H3-29C15CB- □□ 3 □ R MS1H3-29C15CD- □□ 3 □ R | 0.5±0.75 | Ø114.3h7 _{-0.035} | 35 | M12×25 | 65 | 30 _{-0.2} | 10 | 10 | 8 | 13.8 (17.9) |
| | MS1H3-44C15CB- □□ 3 □ R | 0.5±0.75 | Ø114.3h7 _{-0.035} | 35 | M12×25 | 65 | 30 _{-0.2} | 10 | 10 | 8 | 17.4 (21.9) |
| | MS1H3-44C15CD- □□ 3 □ R | 0.5±0.75 | Ø114.3h7 _{-0.035} | 35 | M12×25 | 65 | 37 _{-0.2} | 10 | 10 | 8 | 17.4 (21.6) |
| | MS1H3-55C15CD- □□ 3 □ R | 0.5±0.75 | Ø114.3h7 _{-0.035} | 42 | M16×32 | 97 | 37 _{-0.2} | 12 | 12 | 8 | 21.7 (25.9) |
| | MS1H3-75C15CD- □□ 3 □ R | 0.5±0.75 | Ø114.3h7 _{-0.035} | 42 | M16×32 | 97 | 37 _{-0.2} | 12 | 12 | 8 | 29 (33.2) |

Note : [1] Values in the parentheses are for the motor with brake.