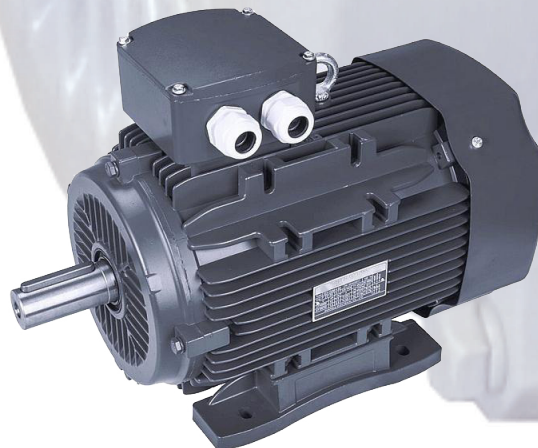
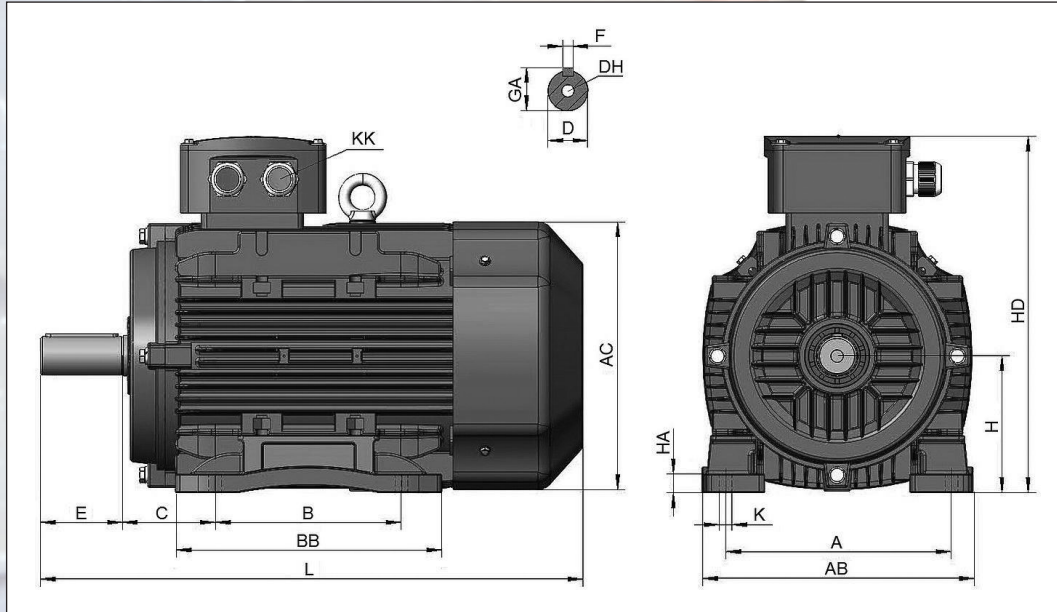


| MOTOR TYPE | Rated power | Rated speed | Rated current | | | Efficiency IE3 | | | Power factor | Nominal torque | Locked torque/ rated torque | Max. torque/ rated torque | Locked current/ rated current | Moment of inertia | Weight |
|--|-------------|-------------------|---------------|-----------|-----------|----------------|----------|----------|--------------|----------------|--------------------------------|------------------------------|-------------------------------------|----------------------|--------|
| | P_N | n_N | I_N | | | η | | | $\cos\phi$ | M_N | M_R/M_N | M_{MAX}/M_N | I_R/I_N | J | m |
| | kW | min ⁻¹ | A 230V | A 400V | A 690V | % 4/4 | % 3/4 | % 1/2 | - 4/4 | Nm | - | - | - | kgm ² | kg |
| 2-pole motors – $n_s = 3000$ r/min | | | | | | | | | | | | | | | |
| OMT4-IE3 80 1-2 | 0,75 | 2890 | 2,84 | 1,64 | | 80,7 | 81,0 | 79,3 | 0,82 | 2,48 | 2,3 | 2,3 | 7,0 | 0,0013 | 11,0 |
| OMT4-IE3 80 2-2 | 1,1 | 2890 | 4,0 | 2,3 | | 82,7 | 83,4 | 82,0 | 0,83 | 3,63 | 2,2 | 2,3 | 7,3 | 0,0015 | 12,5 |
| OMT4-IE3 90S-2 | 1,5 | 2890 | 5,2 | 3,0 | | 84,2 | 85,4 | 83,7 | 0,84 | 4,96 | 2,2 | 2,3 | 7,6 | 0,0021 | 14,5 |
| OMT4-IE3 90L-2 | 2,2 | 2890 | 7,5 | 4,4 | | 85,9 | 86,5 | 85,2 | 0,85 | 7,27 | 2,2 | 2,3 | 7,8 | 0,0025 | 18,0 |
| OMT4-IE3 100L-2 | 3 | 2895 | | 5,7 | 3,3 | 87,1 | 87,8 | 86,5 | 0,87 | 9,90 | 2,3 | 2,4 | 8,1 | 0,0046 | 21,0 |
| OMT4-IE3 112M-2 | 4 | 2910 | | 7,5 | 4,3 | 88,1 | 88,5 | 87,3 | 0,88 | 13,13 | 2,3 | 2,4 | 8,3 | 0,0068 | 28,0 |
| OMT4-IE3 132S1-2 | 5,5 | 2940 | | 10,1 | 5,9 | 89,2 | 89,5 | 88,4 | 0,88 | 17,87 | 2,1 | 2,3 | 8,3 | 0,0150 | 40,5 |
| OMT4-IE3 132S2-2 | 7,5 | 2940 | | 13,6 | 7,9 | 90,1 | 90,7 | 89,4 | 0,89 | 24,36 | 2,0 | 2,3 | 7,9 | 0,0161 | 49,0 |
| 4-pole motors – $n_s = 1500$ r/min | | | | | | | | | | | | | | | |
| OMT4-IE3 80 2-4 | 0,75 | 1430 | 3,0 | 1,75 | | 82,5 | 82,7 | 81,3 | 0,75 | 5,01 | 2,3 | 2,3 | 6,6 | 0,0019 | 13,0 |
| OMT4-IE3 90S-4 | 1,1 | 1440 | 4,3 | 2,5 | | 84,1 | 84,7 | 82,8 | 0,76 | 7,30 | 2,3 | 2,3 | 6,8 | 0,0025 | 16,5 |
| OMT4-IE3 90L-4 | 1,5 | 1440 | 5,7 | 3,3 | | 85,3 | 86,1 | 84,7 | 0,77 | 9,95 | 2,3 | 2,3 | 7,0 | 0,0029 | 20,5 |
| OMT4-IE3 100L1-4 | 2,2 | 1455 | 7,9 | 4,5 | | 86,7 | 87,2 | 85,7 | 0,81 | 14,44 | 2,3 | 2,4 | 7,6 | 0,0057 | 24,0 |
| OMT4-IE3 100L2-4 | 3 | 1455 | | 6,0 | 3,5 | 87,7 | 88,1 | 87,0 | 0,82 | 19,69 | 2,3 | 2,4 | 7,6 | 0,0070 | 28,5 |
| OMT4-IE3 112M-4 | 4 | 1460 | | 7,6 | 4,6 | 88,6 | 89,3 | 87,8 | 0,82 | 26,16 | 2,2 | 2,4 | 7,8 | 0,0099 | 36,5 |
| OMT4-IE3 132S-4 | 5,5 | 1470 | | 10,7 | 6,2 | 89,6 | 90,0 | 88,9 | 0,83 | 35,73 | 2,1 | 2,3 | 7,9 | 0,0219 | 47,5 |
| OMT4-IE3 132M-4 | 7,5 | 1470 | | 14,3 | 8,3 | 90,4 | 91,0 | 90,0 | 0,84 | 48,72 | 2,1 | 2,3 | 7,5 | 0,0302 | 59,0 |
| 6-pole motors – $n_s = 1000$ r/min | | | | | | | | | | | | | | | |
| OMT4-IE3 90S-6 | 0,75 | 955 | 3,34 | 1,93 | | 78,9 | 79,6 | 77,7 | 0,71 | 7,50 | 2,0 | 2,1 | 6,0 | 0,0032 | 17,0 |
| OMT4-IE3 90L-6 | 1,1 | 955 | 4,7 | 2,7 | | 81,0 | 81,8 | 79,8 | 0,73 | 11,00 | 2,0 | 2,1 | 6,1 | 0,0041 | 21,0 |
| OMT4-IE3 100L-6 | 1,5 | 955 | 6,3 | 3,6 | | 82,5 | 83,2 | 81,5 | 0,73 | 15,00 | 2,0 | 2,1 | 6,5 | 0,0085 | 23,0 |
| OMT4-IE3 112M-6 | 2,2 | 970 | 8,9 | 5,1 | | 84,3 | 84,6 | 82,9 | 0,74 | 21,66 | 2,0 | 2,1 | 6,6 | 0,0133 | 32,0 |
| OMT4-IE3 132S-6 | 3 | 970 | | 6,8 | 4,0 | 85,6 | 86,3 | 84,8 | 0,74 | 29,54 | 2,0 | 2,2 | 6,8 | 0,0286 | 41,0 |
| OMT4-IE3 132M1-6 | 4 | 970 | | 9,0 | 5,2 | 86,8 | 87,4 | 86,1 | 0,74 | 39,38 | 2,0 | 2,2 | 6,8 | 0,0357 | 49,0 |
| OMT4-IE3 132M2-6 | 5,5 | 970 | | 12,0 | 7,0 | 88,1 | 88,4 | 87,4 | 0,75 | 54,15 | 2,0 | 2,2 | 7,1 | 0,0449 | 63,0 |



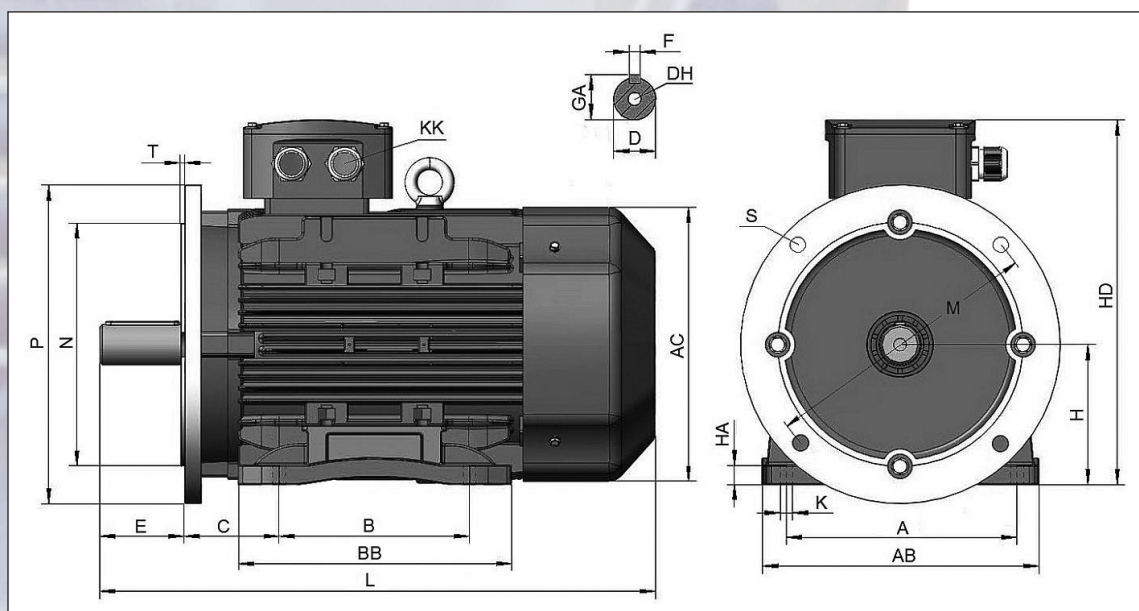
DIMENSIONAL DRAWING

Foot mounting B3



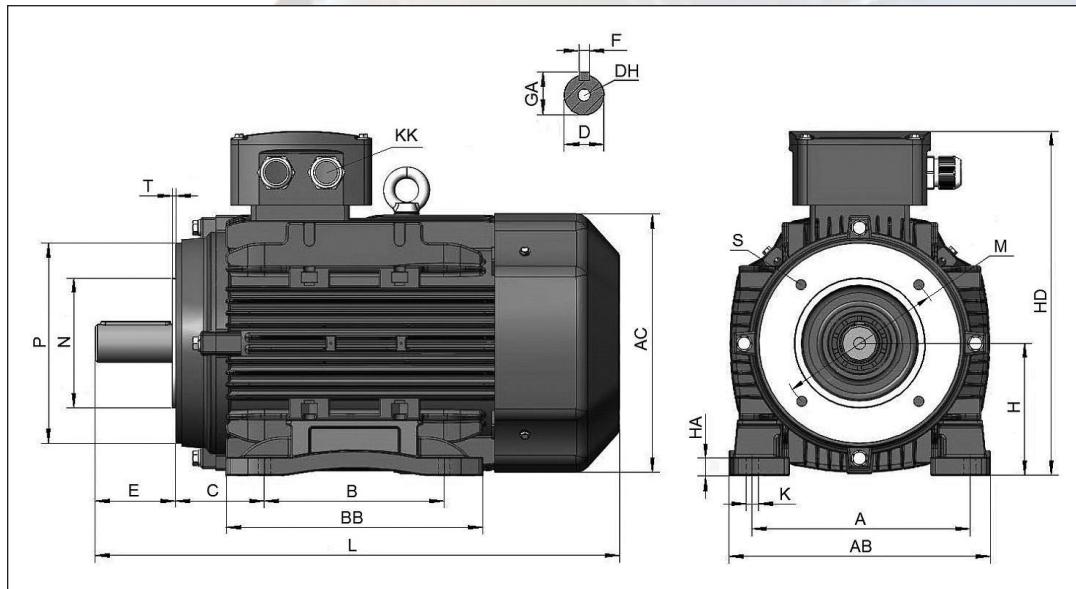
| MOTOR TYPE | A | B | C | D | E | F | GA | H | K | AB | AC | BB | DH | HA | HD | KK | L |
|---------------|-----|-----|----|----|----|----|------|-----|----|-----|-----|-----|--------|----|-----|---------|-----|
| OMT4-IE3 80 | 125 | 100 | 50 | 19 | 40 | 6 | 21,5 | 80 | 10 | 165 | 156 | 130 | M6×16 | 9 | 218 | M25×1,5 | 295 |
| OMT4-IE3 90S | 140 | 100 | 56 | 24 | 50 | 8 | 27 | 90 | 10 | 180 | 178 | 140 | M8×19 | 10 | 242 | M25×1,5 | 353 |
| OMT4-IE3 90L | 140 | 125 | 56 | 24 | 50 | 8 | 27 | 90 | 10 | 180 | 178 | 170 | M8×19 | 10 | 242 | M25×1,5 | 385 |
| OMT4-IE3 100L | 160 | 140 | 63 | 28 | 60 | 8 | 31 | 100 | 12 | 205 | 197 | 190 | M10×22 | 11 | 280 | M25×1,5 | 433 |
| OMT4-IE3 112M | 190 | 140 | 70 | 28 | 60 | 8 | 31 | 112 | 12 | 230 | 218 | 200 | M10×22 | 15 | 293 | M32×1,5 | 461 |
| OMT4-IE3 132S | 216 | 140 | 89 | 38 | 80 | 10 | 41 | 132 | 12 | 260 | 258 | 216 | M12×28 | 18 | 344 | M32×1,5 | 499 |
| OMT4-IE3 132M | 216 | 178 | 89 | 38 | 80 | 10 | 41 | 132 | 12 | 260 | 258 | 256 | M12×28 | 18 | 344 | M32×1,5 | 521 |

Foot & flange mounting B35
Flange mounting B5/V1



DIMENSIONAL DRAWING

Foot & flange mounting B34S, B34L
 Flange mounting B14S, B14L



| Motor Type | A | B | C | D | E | F | GA | H | K | AB | AC | BB | DH | HA | HD | KK | L |
|---------------|-----|-----|----|----|----|----|------|-----|----|-----|-----|-----|--------|----|-----|---------|-----|
| OMT4-IE3 80 | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 10 | 165 | 156 | 130 | M6×16 | 9 | 218 | M25×1.5 | 295 |
| OMT4-IE3 90S | 140 | 100 | 56 | 24 | 50 | 8 | 27 | 90 | 10 | 180 | 178 | 140 | M8×19 | 10 | 242 | M25×1.5 | 353 |
| OMT4-IE3 90L | 140 | 125 | 56 | 24 | 50 | 8 | 27 | 90 | 10 | 180 | 178 | 170 | M8×19 | 10 | 242 | M25×1.5 | 385 |
| OMT4-IE3 100L | 160 | 140 | 63 | 28 | 60 | 8 | 31 | 100 | 12 | 205 | 197 | 190 | M10×22 | 11 | 280 | M25×1.5 | 433 |
| OMT4-IE3 112M | 190 | 140 | 70 | 28 | 60 | 8 | 31 | 112 | 12 | 230 | 218 | 200 | M10×22 | 15 | 293 | M32×1.5 | 461 |
| OMT4-IE3 132S | 216 | 140 | 89 | 38 | 80 | 10 | 41 | 132 | 12 | 260 | 258 | 216 | M12×28 | 18 | 344 | M32×1.5 | 499 |
| OMT4-IE3 132M | 216 | 178 | 89 | 38 | 80 | 10 | 41 | 132 | 12 | 260 | 258 | 256 | M12×28 | 18 | 344 | M32×1.5 | 521 |

Dimensions of flanges

| Motor Type | B5 | | | | | B14L | | | | | B14S | | | | |
|---------------|-----|-----|-----|----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | M | N | P | S | T | M | N | P | S | T | M | N | P | S | T |
| OMT4-IE3 80 | 165 | 130 | 200 | 12 | 3.5 | 130 | 110 | 160 | M8 | 3.5 | 100 | 80 | 120 | M6 | 3.0 |
| OMT4-IE3 90S | 165 | 130 | 200 | 12 | 3.5 | 130 | 110 | 160 | M8 | 3.5 | 115 | 95 | 140 | M8 | 3.0 |
| OMT4-IE3 90L | 165 | 130 | 200 | 12 | 3.5 | 130 | 110 | 160 | M8 | 3.5 | 115 | 95 | 140 | M8 | 3.0 |
| OMT4-IE3 100L | 215 | 180 | 250 | 15 | 4 | 165 | 130 | 200 | M10 | 3.5 | 130 | 110 | 160 | M8 | 3.5 |
| OMT4-IE3 112M | 215 | 180 | 250 | 15 | 4 | 165 | 130 | 200 | M10 | 3.5 | 130 | 110 | 160 | M8 | 3.5 |
| OMT4-IE3 132S | 265 | 230 | 300 | 15 | 4 | 215 | 180 | 250 | M12 | 4.0 | 165 | 130 | 200 | M10 | 3.5 |
| OMT4-IE3 132M | 265 | 230 | 300 | 15 | 4 | 215 | 180 | 250 | M12 | 4.0 | 165 | 130 | 200 | M10 | 3.5 |

OMT4-IE3 series motors have a monobloc frame structure with screwed feet and with threaded sprues on the frame, which makes it possible to extend the feet and change their location to the terminal box (variant with a terminal box on the right or the left side of the motor frame). By unscrewing or tightening the feet to the body you receive an other versions of the mechanical mounting method of the motor – respectively flange mounting (B5, B14) or foot & flange mounting (B35, B34).

Note: The manufacturer reserves the right to change the operating parameters and overall dimensions as the construction is modernized.