

STANDARD MOTOR RANGE



SPECIAL APPLICATION MOTORS

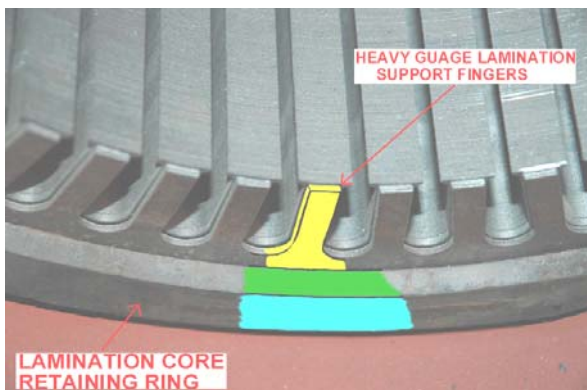
VSD RATED MOTOR



VARIABLE SPEED DRIVES (VSD)



RIGID STATOR CORE DESIGN



MOTOR SPARES



DBN: 031 247 1050
RBay: 035 797 4866

JHB: 011 397 7936
CT: 021 532 5360

www.magnetgroup.co.za

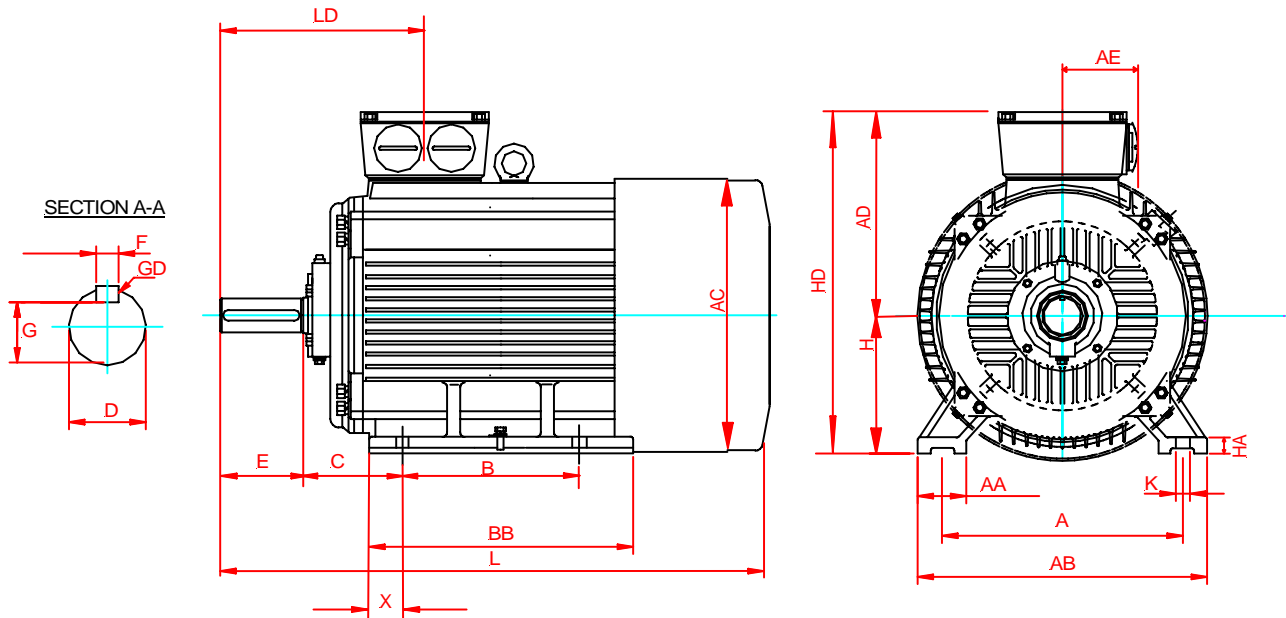
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DIMENSIONS

FOOT MOUNTING B3 63-200 FRAME

WEM STANDARD HIGH EFFICIENCY 2 MOTORS - CEMEP



FOOT MOUNTING B3 63-200 FRAME

THREE PHASE INDUCTION MOTORS

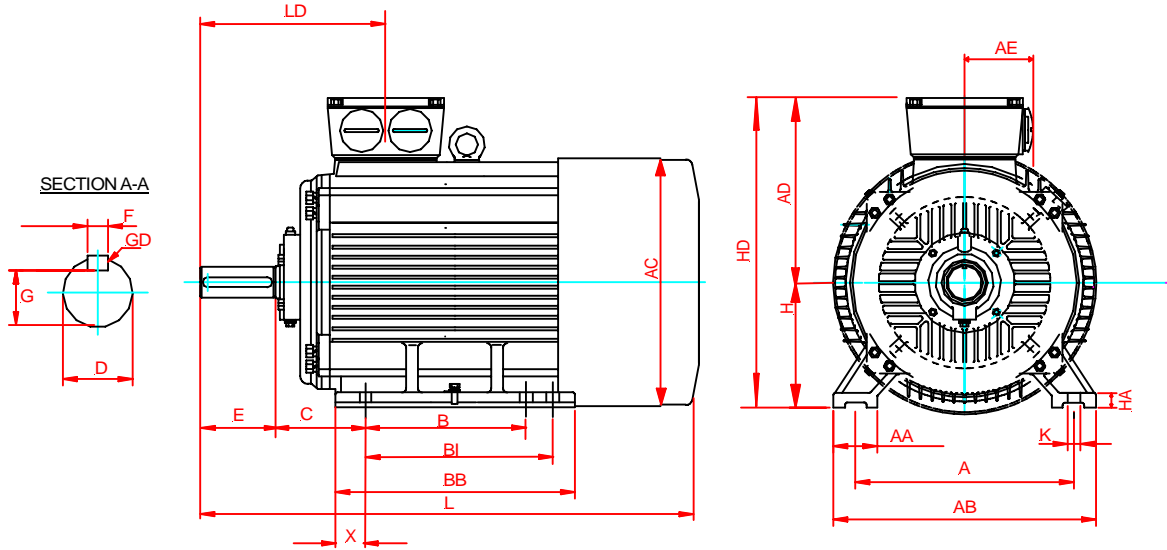
DIMENSIONS (mm)

| FRAME | POLE | A | AA | AB | AC | AD | B | BB | C | D | E | F | G | GD | H | HA | HD | K | L | X |
|-------|---------|-----|----|-----|-----|-----|-----|-----|-----|------|-----|----|------|----|-----|----|-----|----|-----|----|
| 63 | 2.4 | 100 | 30 | 130 | 120 | 117 | 80 | 110 | 40 | 11j6 | 23 | 4 | 8.5 | 4 | 63 | 8 | 180 | 7 | 230 | 15 |
| 71 | 2.4.6 | 112 | 32 | 144 | 120 | 124 | 90 | 110 | 45 | 14j6 | 30 | 5 | 11 | 5 | 71 | 8 | 195 | 7 | 255 | 15 |
| 80 | 2.4.6.8 | 125 | 34 | 160 | 136 | 140 | 100 | 140 | 50 | 19j6 | 40 | 6 | 15.5 | 6 | 80 | 10 | 220 | 10 | 295 | 15 |
| 90S | 2.4.6.8 | 140 | 36 | 180 | 156 | 160 | 100 | 140 | 56 | 24j6 | 50 | 8 | 20 | 7 | 90 | 12 | 250 | 10 | 320 | 20 |
| 90L | 2.4.6.8 | 140 | 36 | 180 | 176 | 160 | 125 | 165 | 56 | 24j6 | 50 | 8 | 20 | 7 | 90 | 12 | 250 | 10 | 345 | 20 |
| 100L | 2.4.6.8 | 160 | 40 | 200 | 176 | 170 | 140 | 176 | 63 | 28j6 | 60 | 8 | 24 | 7 | 100 | 14 | 270 | 12 | 385 | 18 |
| 112M | 2.4.6.8 | 190 | 52 | 230 | 196 | 188 | 140 | 185 | 70 | 28j6 | 60 | 8 | 24 | 7 | 112 | 15 | 300 | 12 | 400 | 20 |
| 132S | 2.4.6.8 | 216 | 55 | 270 | 230 | 213 | 140 | 186 | 89 | 38j6 | 80 | 10 | 33 | 7 | 132 | 18 | 345 | 12 | 470 | 23 |
| 132M | 2.4.6.8 | 216 | 55 | 270 | 260 | 213 | 178 | 230 | 89 | 38j6 | 80 | 10 | 33 | 8 | 132 | 18 | 345 | 12 | 510 | 23 |
| 160M | 2.4.6.8 | 254 | 65 | 320 | 324 | 260 | 210 | 275 | 108 | 42j6 | 110 | 12 | 37 | 8 | 160 | 20 | 420 | 15 | 615 | 25 |
| 160L | 2.4.6.8 | 254 | 65 | 320 | 324 | 260 | 254 | 320 | 108 | 42j6 | 110 | 12 | 37 | 8 | 160 | 20 | 420 | 15 | 670 | 25 |
| 180M | 2.4.6.8 | 279 | 70 | 355 | 355 | 275 | 241 | 310 | 121 | 48j6 | 110 | 14 | 42.5 | 9 | 180 | 22 | 455 | 15 | 700 | 35 |
| 180L | 2.4.6.8 | 279 | 70 | 355 | 355 | 275 | 279 | 350 | 121 | 48j6 | 110 | 14 | 42.5 | 9 | 180 | 22 | 455 | 15 | 740 | 35 |
| 200L | 2.4.6.8 | 318 | 70 | 395 | 397 | 305 | 305 | 370 | 133 | 55j6 | 110 | 16 | 49 | 10 | 200 | 25 | 505 | 19 | 770 | 32 |

DIMENSIONS

FOOT MOUNTING B3 225-355 FRAME

WEM STANDARD HIGH EFFICIENCY 2 MOTORS - CEMEP



FOOT MOUNTING B3 225-355 FRAME

THREE PHASE INDUCTION MOTORS

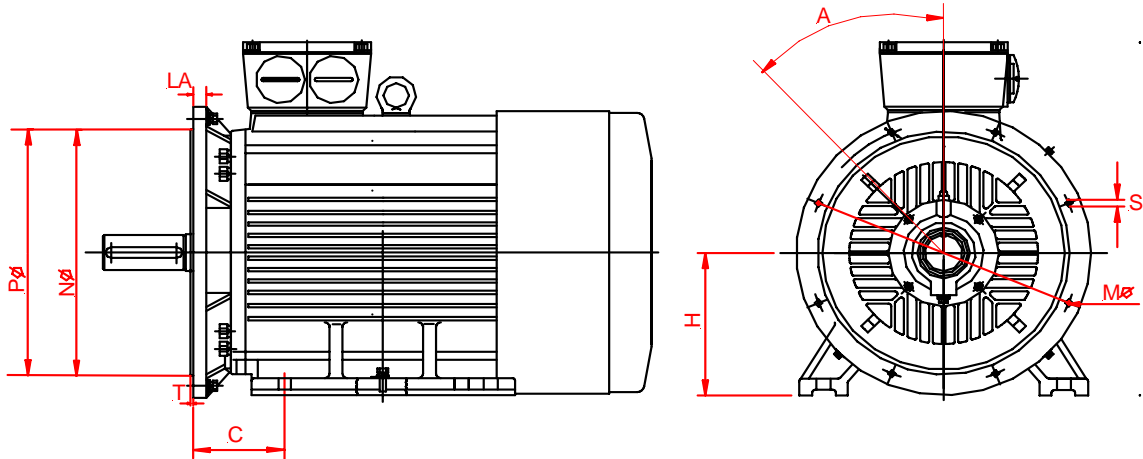
DIMENSIONS (mm)

| FRAME | POLE | A | AA | AB | AC | AD | B | B1 | BB | C | D | E | F | G | GD | H | HA | HD | K | L | X |
|---------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|----|------|----|-----|----|------|----|------|----|
| 225S | 4.8 | 356 | 75 | 431 | 445 | 330 | 286 | | 368 | 149 | 60m6 | 140 | 18 | 53 | 11 | 225 | 28 | 555 | 19 | 816 | 45 |
| 225M | 2 | 356 | 75 | 431 | 445 | 330 | 286 | 311 | 393 | 149 | 55m6 | 110 | 16 | 49 | 10 | 225 | 28 | 555 | 19 | 820 | 45 |
| 225M | 4.6.8 | 406 | 80 | 490 | 485 | 365 | 286 | 311 | 393 | 168 | 60m6 | 140 | 18 | 53 | 11 | 250 | 33 | 615 | 24 | 845 | 55 |
| 250M | 2 | 406 | 80 | 490 | 485 | 365 | 311 | 349 | 455 | 168 | 60m6 | 140 | 18 | 53 | 11 | 250 | 33 | 615 | 24 | 910 | 55 |
| 250M | 4.6.8 | 457 | 85 | 542 | 547 | 400 | 311 | 349 | 455 | 190 | 70m6 | 140 | 20 | 62.5 | 12 | 280 | 38 | 680 | 24 | 910 | 75 |
| 280S | 2 | 457 | 85 | 542 | 547 | 400 | 368 | 419 | 586 | 190 | 65m6 | 140 | 18 | 58 | 11 | 280 | 38 | 680 | 24 | 985 | 75 |
| 280S | 4.6.8 | 457 | 85 | 542 | 547 | 400 | 368 | 419 | 586 | 190 | 80m6 | 170 | 22 | 71 | 14 | 280 | 38 | 680 | 24 | 1015 | 75 |
| 280M | 2 | 457 | 85 | 542 | 547 | 400 | 368 | 419 | 586 | 190 | 65m6 | 140 | 18 | 57 | 11 | 280 | 38 | 680 | 24 | 1035 | 75 |
| 280M | 4.6.8 | 457 | 85 | 542 | 547 | 400 | 368 | 419 | 586 | 190 | 80m6 | 170 | 22 | 71 | 14 | 280 | 38 | 680 | 24 | 1065 | 75 |
| 315S | 2 | 508 | 120 | 628 | 620 | 530 | 406 | 457 | 570 | 216 | 65m6 | 140 | 18 | 58 | 11 | 315 | 45 | 845 | 28 | 1215 | 84 |
| 315S | 4.6.8.10 | 508 | 120 | 628 | 620 | 530 | 406 | 457 | 570 | 216 | 85m6 | 170 | 22 | 76 | 14 | 315 | 45 | 845 | 28 | 1245 | 84 |
| 315M | 2 | 508 | 120 | 628 | 620 | 530 | 406 | 457 | 680 | 216 | 65m6 | 140 | 18 | 58 | 11 | 315 | 45 | 845 | 28 | 1325 | 84 |
| 315M | 4.6.8.10 | 508 | 120 | 628 | 620 | 530 | 406 | 457 | 680 | 216 | 85m6 | 170 | 22 | 76 | 14 | 315 | 45 | 845 | 28 | 1355 | 84 |
| 315L1 | 2 | 508 | 120 | 628 | 620 | 530 | 457 | 508 | 680 | 216 | 70m6 | 140 | 20 | 62.5 | 12 | 315 | 45 | 845 | 28 | 1325 | 84 |
| 315L1 | 4 | 508 | 120 | 628 | 620 | 530 | 457 | 508 | 680 | 216 | 90m6 | 170 | 25 | 81 | 14 | 315 | 45 | 845 | 28 | 1355 | 84 |
| 315L1 | 6.8.10 | 508 | 120 | 628 | 620 | 530 | 457 | 508 | 680 | 216 | 85m6 | 170 | 22 | 76 | 14 | 315 | 45 | 845 | 28 | 1355 | 84 |
| 315L2 | 2 | 508 | 120 | 628 | 620 | 530 | 457 | 508 | 680 | 216 | 70m6 | 140 | 20 | 62.5 | 12 | 315 | 45 | 845 | 28 | 1325 | 84 |
| 315L2 | 4.6.8 | 508 | 120 | 628 | 620 | 530 | 457 | 508 | 680 | 216 | 90m6 | 170 | 25 | 81 | 14 | 315 | 45 | 845 | 28 | 1355 | 84 |
| 355M1 | 2 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 680 | 254 | 90m6 | 170 | 25 | 81 | 14 | 355 | 52 | 1010 | 28 | 1530 | 68 |
| 355M1 | 4.6.8.10 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 100m6 | 210 | 28 | 90 | 16 | 355 | 52 | 1010 | 28 | 1570 | 68 |
| 355M2 | 2 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 90m6 | 170 | 25 | 81 | 14 | 355 | 52 | 1010 | 28 | 1530 | 68 |
| 355M2 | 4.6.8.10 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 100m6 | 210 | 28 | 90 | 16 | 355 | 52 | 1010 | 28 | 1570 | 68 |
| 355M3 | 6 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 100m6 | 210 | 28 | 90 | 16 | 355 | 52 | 1010 | 28 | 1570 | 68 |
| 355L1+2 | 2 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 90m6 | 170 | 25 | 81 | 14 | 355 | 52 | 1010 | 28 | 1530 | 68 |
| 355L1+2 | 4.6.8.10 | 610 | 120 | 726 | 700 | 635 | 560 | 630 | 750 | 254 | 100m6 | 210 | 28 | 90 | 16 | 355 | 52 | 1010 | 28 | 1570 | 68 |

DIMENSIONS

FOOT MOUNTING B3 AND B5 FLANGE

WEM STANDARD HIGH EFFICIENCY 2 MOTORS - CEMEP



FOOT MOUNTING B3 AND B5 FLANGE

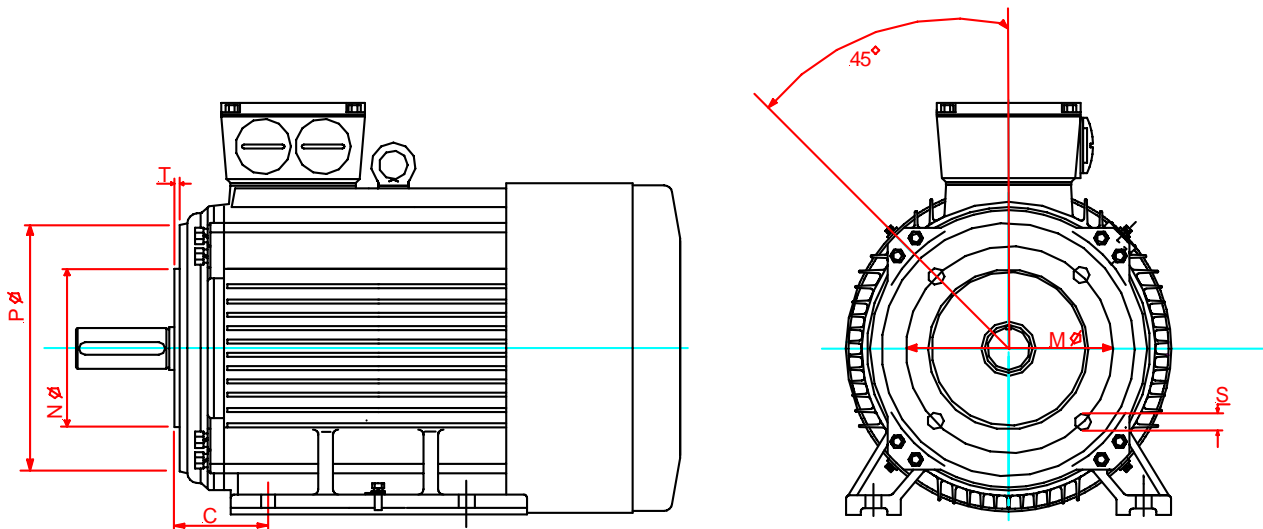
MOTOR MOUNTING ASSEMBLY B3/B5

| METRIC FLANGE DIMENSIONS | | | | | | | | | | |
|--------------------------|--------|-----|----|--------|--------|--------|-----|----|--------------|--------------|
| FRAME | FLANGE | C | LA | M Dia. | N Dia. | P Dia. | T | S | A ANGLE Deg. | NO. OF HOLES |
| 63 | 115 | 40 | 6 | 115 | 95 | 140 | 3.5 | 10 | 45 | 4 |
| 71 | 130 | 45 | 9 | 130 | 110 | 160 | 3.5 | 10 | 45 | 4 |
| 80 | 165 | 50 | 10 | 165 | 130 | 200 | 3.5 | 12 | 45 | 4 |
| 90S | 165 | 56 | 10 | 165 | 130 | 200 | 3.5 | 12 | 45 | 4 |
| 90L | 165 | 56 | 10 | 165 | 130 | 200 | 3.5 | 12 | 45 | 4 |
| 100L | 215 | 63 | 11 | 215 | 180 | 250 | 4 | 15 | 45 | 4 |
| 112M | 215 | 70 | 11 | 215 | 180 | 250 | 4 | 15 | 45 | 4 |
| 132S | 265 | 89 | 12 | 265 | 230 | 300 | 4 | 15 | 45 | 4 |
| 132M | 265 | 89 | 12 | 265 | 230 | 300 | 4 | 15 | 45 | 4 |
| 160M | 300 | 108 | 18 | 300 | 250 | 350 | 5 | 19 | 45 | 4 |
| 160L | 300 | 108 | 18 | 300 | 250 | 350 | 5 | 19 | 45 | 4 |
| 180M | 300 | 121 | 18 | 300 | 250 | 350 | 5 | 19 | 45 | 4 |
| 180L | 300 | 121 | 18 | 300 | 250 | 350 | 5 | 19 | 45 | 4 |
| 200L | 350 | 133 | 18 | 350 | 300 | 400 | 5 | 19 | 45 | 4 |
| 225S | 400 | 149 | 18 | 400 | 350 | 450 | 5 | 19 | 22,30 | 8 |
| 225M | 400 | 149 | 18 | 400 | 350 | 450 | 5 | 19 | 22,30 | 8 |
| 250M | 500 | 168 | 18 | 500 | 450 | 550 | 5 | 19 | 22,30 | 8 |
| 280S | 500 | 190 | 18 | 500 | 450 | 550 | 5 | 19 | 22,30 | 8 |
| 280M | 500 | 190 | 18 | 500 | 450 | 550 | 5 | 19 | 22,30 | 8 |
| 315S | 600 | 216 | 18 | 600 | 550 | 660 | 6 | 24 | 22,30 | 8 |
| 315M | 600 | 216 | 22 | 600 | 550 | 660 | 6 | 24 | 22,30 | 8 |
| 315L1 | 600 | 216 | 22 | 600 | 550 | 660 | 6 | 24 | 22,30 | 8 |
| 315L2 | 600 | 216 | 22 | 600 | 550 | 660 | 6 | 24 | 22,30 | 8 |
| 355M1/2/3 | 740 | 254 | 22 | 740 | 680 | 800 | 6 | 24 | 22,30 | 8 |
| 355L1/2 | 740 | 254 | 22 | 740 | 680 | 800 | 6 | | | |

DIMENSIONS

FOOT MOUNTING B3 AND B14 FLANGE

WEM STANDARD HIGH EFFICIENCY 2 MOTORS - CEMEP



FOOT MOUNTING B3 AND B14 FLANGE

MOTOR MOUNTING ASSEMBLY B3/B14

| FRAME | FLANGE | C | M Dia. | N Dia. | P Dia. | S | T | NO. OF HOLES |
|-------|--------|----|--------|--------|--------|-----|-----|--------------|
| 63 | 90 | 40 | 75 | 60 | 90 | M5 | 2.5 | 4 |
| 71 | 105 | 45 | 85 | 70 | 105 | M6 | 2.5 | 4 |
| 80 | 120 | 50 | 100 | 80 | 120 | M6 | 3 | 4 |
| 90S | 140 | 56 | 115 | 95 | 140 | M8 | 3 | 4 |
| 90L | 140 | 56 | 115 | 95 | 1470 | M8 | 3.5 | 4 |
| 100L | 160 | 63 | 130 | 110 | 160 | M8 | 3.5 | 4 |
| 112M | 160 | 70 | 130 | 110 | 160 | M8 | 3.5 | 4 |
| 132S | 200 | 89 | 165 | 130 | 200 | M8 | 3.5 | 4 |
| 132M | 200 | 89 | 165 | 130 | 200 | M10 | 3.5 | 4 |

WEM BEARING SIZE CONFIGURATION

*SQUIRREL CAGE ELECTRIC MOTORS 380 / 415 & 525V, THREE PHASE
0.18 kW - 7.5kW*

| FULL LOAD OUTPUT | | CAST IRON FRAME | | BEARING SIZES | | CABLE GLANDS |
|------------------|------|-----------------|------------|---------------|---------------|------------------------------|
| kW | Rpm | Frame | Shaft (mm) | Drive End | Non-Drive End | |
| 0.18 | 2720 | 63 | 11 | 6201ZZ | 6201ZZ | 1 X M20 X 1.5 (PTC) |
| | 1310 | 63 | 11 | 6201ZZ | 6201ZZ | 1 X M20 X 1.5 (PTC) |
| 0.25 | 2720 | 63 | 11 | 6201ZZ | 6201ZZ | 1 X M20 X 1.5 (PTC) |
| | 1330 | 71 | 14 | 6202ZZ | 6202ZZ | 1 X M20 X 1.5 (PTC) |
| | 850 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| 0.37 | 2740 | 71 | 14 | 6202ZZ | 6202ZZ | 1 X M20 X 1.5 (PTC) |
| | 1330 | 71 | 14 | 6202ZZ | 6202ZZ | 1 X M20 X 1.5 (PTC) |
| | 890 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 660 | 90S | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| 0.55 | 2740 | 71 | 14 | 6202ZZ | 6202ZZ | 1 X M20 X 1.5 (PTC) |
| | 1390 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 890 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 660 | 90L | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| 0.75 | 2830 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 1390 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 910 | 90S | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 690 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 1.1 | 2830 | 80 | 19 | 6204ZZ | 6204ZZ | 1 X M20 X 1.5 (PTC) |
| | 1400 | 90S | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 910 | 90L | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 690 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 1.5 | 2840 | 90S | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 1400 | 90L | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 940 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 680 | 112M | 28 | 6306ZZ C3 | 6306ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 2.2 | 2840 | 90L | 24 | 6205ZZ C3 | 6205ZZ C3 | 1 X M20 X 1.5 (PTC) |
| | 1430 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 940 | 112M | 28 | 6306ZZ C3 | 6306ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 710 | 132S | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 3 | 2870 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1430 | 100L | 28 | 6206ZZ C3 | 6206ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 960 | 132S | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 710 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 4 | 2890 | 112M | 28 | 6306ZZ C3 | 6306ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1440 | 112M | 28 | 6306ZZ C3 | 6306ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 960 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 720 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 5.5 | 2900 | 132S | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1440 | 132S | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 960 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 720 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 7.5 | 2900 | 132S | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1440 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 970 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 720 | 160L | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |

WEM BEARING SIZE CONFIGURATION

SQUIRREL CAGE ELECTRIC MOTORS 380 / 415 & 525V, THREE PHASE

9.2kW - 90kW

| FULL LOAD OUTPUT | | CAST IRON FRAME | | BEARING SIZES | | CABLE GLANDS |
|------------------|------|-----------------|------------|---------------|---------------|------------------------------|
| KW | Rpm | Frame | Shaft (mm) | Drive End | Non-Drive End | |
| 9.2 | 2930 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1460 | 132M | 38 | 6308ZZ C3 | 6308ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| 11 | 2930 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1460 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 970 | 160L | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 730 | 180L | 48 | 6211ZZ C3 | 6211ZZ C3 | 2 X M32 X 1.5 (PTC) @ 60crs |
| 15 | 2930 | 160M | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1460 | 160L | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 970 | 180L | 48 | 6211ZZ C3 | 6211ZZ C3 | 2 X M32 X 1.5 (PTC) @ 60crs |
| | 730 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| 18.5 | 2930 | 160L | 42 | 6209ZZ C3 | 6209ZZ C3 | 2 X M25 X 1.5 (PTC) @ 48 crs |
| | 1470 | 180M | 48 | 6211ZZ C3 | 6211ZZ C3 | 2 X M32 X 1.5 (PTC) @ 60crs |
| | 970 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 730 | 225M | 60 | NU313 C3 | 6313 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| 22 | 2940 | 180M | 48 | 6211ZZ C3 | 6211ZZ C3 | 2 X M32 X 1.5 (PTC) @ 60crs |
| | 1470 | 180L | 48 | 6211ZZ C3 | 6211ZZ C3 | 2 X M32 X 1.5 (PTC) @ 60crs |
| | 970 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 740 | 225S/M | 60 | NU313 C3 | 6313 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| 30 | 2950 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 1470 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 980 | 225S/M | 60 | NU313 C3 | 6313 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 740 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| 37 | 2950 | 200L | 55 | 6312ZZ C3 | 6312ZZ C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 1480 | 225S/M | 60 | NU313 C3 | 6313 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 980 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 740 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| 45 | 2970 | 225S/M | 55 | NU313 C3 | 6312 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 1480 | 225S/M | 60 | NU313 C3 | 6313 C3 | 2 X M32 X 1.5 (PTC) @ 74 crs |
| | 980 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 740 | 280S/M | 80 | NU317 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| 55 | 2970 | 250S/M | 60 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 1480 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 980 | 280S/M | 80 | NU317 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 740 | 280S/M | 80 | NU317 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| 75 | 2970 | 250S/M | 60 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 1480 | 250S/M | 70 | NU315 C3 | 6315 C3 | 2 X M40 X 1.5 (PTC) @ 90 crs |
| | 990 | 280S/M | 80 | NU317 C3 | 6315 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 740 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| 90 | 2970 | 280S/M | 65 | NU314 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 1490 | 280S/M | 80 | NU317 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 990 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 740 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |

WEM BEARING SIZE CONFIGURATION

SQUIRREL CAGE ELECTRIC MOTORS 380 / 415 & 525V, THREE PHASE

110kW - 630kW

| FULL LOAD OUTPUT | | CAST IRON FRAME | | BEARING SIZES | | CABLE GLANDS |
|------------------|------|-----------------|------------|---------------|---------------|-------------------------------|
| kW | Rpm | Frame | Shaft (mm) | Drive End | Non-Drive End | |
| 110 | 2980 | 280S/M | 65 | NU314 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 1490 | 280S/M | 80 | NU317 C3 | 6314 C3 | 2 X M50 X 1.5 (PTC) @ 90 crs |
| | 990 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 740 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| 132 | 2980 | 315S/M | 65 | NU317 C3 | 6317 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1490 | 315S/M | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 990 | 315M/L | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 740 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| 160 | 2980 | 315M/L | 65 | NU317 C3 | 6317 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1490 | 315M/L | 85 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 990 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 740 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 185 | 2980 | 315M/L | 70 | NU317 C3 | 6317 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1490 | 315M/L | 90 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 990 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 740 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 200 | 2980 | 315M/L | 70 | NU317 C3 | 6317 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1490 | 315M/L | 90 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 990 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 740 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 220 | 2980 | 355M/L | 90 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1485 | 315M/L | 90 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1485 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 990 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 250 | 2980 | 355M/L | 90 | NU319 C3 | 6319 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 1485 | 315S/M/L | 90 | NU319 C3 | 6319 C3 | 2 X M63 X 1.5 (PTC) @ 120crs |
| | 1485 | 355M/L | 90 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 990 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 275 | 2980 | 355M/L | 90 | NU319 C3 | 6319 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 1485 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 980 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 315 | 2980 | 355M/L | 90 | NU319 C3 | 6319 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| | 1485 | 355M/L | 100 | NU322 C3 | 6322 C3 | 2 X M80 X 1.5 (PTC) @ 120 crs |
| 330 | 4P | 355M/L | | | | |
| 350 | 4P | 355M/L | | | | |
| 375 | 4P | 355M/L | | | | |
| 400 | 4P | 355M/L | | | | |
| 450 | 4P | 400M/L | | | | |
| 500 | 4P | 400M/L | | | | |
| 560 | 4P | 400M/L | | | | |
| 630 | 4P | 400M/L | | | | |

PERFORMANCE DATA - 2 POLE

HIGH EFF 2 - CEMEP

PERFORMANCE DATA 3000 RPM - 50 Hz (2 POLE)

| Rated Output kW | Frame IEC | Rated Speed RPM | Full Load Current at 400V in A IFL | Locked Rotor Current II/In IST/IFL | Full Load Torque Tn Nm | Locked Rotor Torque TST/TFL | Break-down Torque TM/TFL | Efficiency n % | | | Power Factor Cos | | | Noise Level dB (A) Sound Pressure Level | Allowable Time of Locked Rotor Hot/Cold s/s | App. Wt. Kg |
|-----------------|-----------|-----------------|------------------------------------|------------------------------------|------------------------|-----------------------------|--------------------------|----------------|------|------|------------------|------|------|---|---|-------------|
| | | | | | | | | % of Full Load | | | | | | | | |
| | | | | | | | | 50 | 75 | 100 | 50 | 75 | 100 | | | |
| 0.18 | 63 | 2720 | 0.50 | 5.5 | 0.63 | 2.2 | 2.2 | 62.1 | 63.9 | 65.0 | 0.65 | 0.73 | 0.80 | 63 | 18 | 12 |
| 0.25 | 63 | 2720 | 0.66 | 6.1 | 0.88 | | | 64.9 | 66.9 | 68.0 | 0.66 | 0.74 | 0.81 | 63 | 8 | 13 |
| 0.37 | 71 | 2740 | 0.94 | | 7.0 | 1.29 | 2.2 | 2.2 | 66.8 | 68.9 | 70.0 | 0.66 | 0.74 | 0.81 | 66 | 12 |
| 0.55 | 71 | 2740 | 1.33 | 1.92 | | 69.7 | | | 72.1 | 73.0 | 0.64 | 0.75 | 0.82 | 66 | 15 | 15 |
| 0.75 | 80 | 2830 | 1.73 | 7.5 | 2.53 | 2.3 | 2.3 | 71.6 | 74.1 | 74.2 | 0.68 | 0.76 | 0.83 | 69 | 11 | 17 |
| 1.1 | 80 | 2830 | 1.97 | | 3.71 | | | 74.8 | 77.2 | 78.0 | 0.68 | 0.76 | 0.84 | 69 | 9 | 18 |
| 1.5 | 90S | 2840 | 3.25 | 7.5 | 5.04 | 2.0 | 2.0 | 75.8 | 78.3 | 79.0 | 0.75 | 0.79 | 0.84 | 74 | 8 | 22 |
| 2.2 | 90L | 2840 | 4.37 | | 7.40 | | | 79.3 | 82.0 | 81.4 | 0.71 | 0.81 | 0.85 | 74 | 10 | 25 |
| 3 | 100L | 2870 | 5.98 | 7.5 | 9.98 | 2.0 | 2.0 | 79.8 | 82.4 | 83.1 | 0.69 | 0.82 | 0.87 | 78 | 8 | 32 |
| 4 | 112M | 2890 | 7.68 | | 13.3 | | | 81.2 | 83.7 | 84.3 | 0.72 | 0.81 | 0.88 | 79 | 11 | 45 |
| 5.5 | 132S | 2910 | 10.4 | 7.5 | 18.7 | 2.0 | 2.0 | 82.6 | 85.2 | 85.8 | 0.72 | 0.81 | 0.88 | 82 | 10 | 59 |
| 7.5 | 132S | 2900 | 14.0 | | 24.7 | | | 84.1 | 86.7 | 87.3 | 0.71 | 0.81 | 0.88 | 82 | 8 | 64 |
| 9.2 | 132M | 2930 | 17.3 | 7.5 | 29.9 | 2.0 | 2.0 | 83.9 | 86.7 | 87.3 | 0.71 | 0.81 | 0.88 | 82 | 10 | 105 |
| 11 | 160M | 2930 | 20.2 | | 35.9 | | | 85.1 | 87.9 | 88.6 | 0.79 | 0.86 | 0.89 | 88 | 14 | 109 |
| 15 | 160M | 2930 | 27.4 | 7.5 | 48.9 | 2.0 | 2.0 | 86.4 | 89.2 | 90.0 | 0.79 | 0.86 | 0.89 | 88 | 12 | 121 |
| 18.5 | 160L | 2930 | 29.7 | | 60.3 | | | 87.7 | 89.8 | 90.5 | 0.72 | 0.84 | 0.90 | 88 | 12 | 136 |
| 22 | 180M | 2940 | 38.9 | 7.5 | 71.5 | 2.0 | 2.0 | 88.2 | 90.4 | 91.0 | 0.72 | 0.84 | 0.90 | 87 | 11 | 180 |
| 30 | 200L | 2950 | 52.7 | | 97.1 | | | 89.1 | 91.3 | 92.0 | 0.74 | 0.88 | 0.92 | 94 | 15 | 246 |
| 37 | 200L | 2950 | 64.5 | 7.5 | 120 | 2.0 | 2.0 | 89.5 | 91.4 | 92.5 | 0.73 | 0.87 | 0.90 | 94 | 15 | 256 |
| 45 | 225S/M | 2970 | 78.1 | | 145 | | | 90.1 | 92.3 | 91.3 | 0.74 | 0.84 | 0.92 | 86 | 17 | 328 |
| 55 | 250S/M | 2970 | 95.9 | 7.5 | 176 | 2.0 | 2.0 | 90.1 | 92.6 | 93.5 | 0.73 | 0.83 | 0.90 | 87 | 17 | 433 |
| 75 | 250S/M | 2970 | 127 | | 241 | | | 90.4 | 93.2 | 94.0 | 0.74 | 0.84 | 0.92 | 88 | 14 | 488 |
| 90 | 280S/M | 2970 | 152 | 7.5 | 289 | 2.0 | 2.0 | 90.7 | 93.5 | 94.4 | 0.74 | 0.83 | 0.91 | 88 | 34 | 632 |
| 110 | 280S/M | 2980 | 185 | | 354 | | | 90.7 | 93.6 | 94.5 | 0.73 | 0.83 | 0.91 | 88 | 32 | 970 |
| 132 | 315S/M | 2980 | 221 | 7.5 | 425 | 1.8 | 1.8 | 91.2 | 94.1 | 95.0 | 0.72 | 0.83 | 0.91 | 92 | 31 | 1080 |
| 160 | 315S/M | 2980 | 265 | | 531 | | | 91.3 | 94.2 | 95.1 | 0.75 | 0.84 | 0.92 | 90 | 26 | 1210 |
| 185 | 315M/L | 2980 | 306 | 7.5 | 593 | 1.8 | 1.8 | 90.5 | 93.8 | 95.2 | 0.74 | 0.83 | 0.92 | 90 | 24 | 1220 |
| 200 | 315M/L | 2980 | 330 | | 641 | | | 91.2 | 93.9 | 95.2 | 0.75 | 0.83 | 0.92 | 90 | 34 | 1240 |
| 220 | 355M/L | 2980 | 363 | 7.5 | 705 | 1.6 | 1.6 | 92.8 | 93.2 | 95.2 | 0.75 | 0.83 | 0.92 | 92 | 34 | 1890 |
| 250 | 355M/L | 2980 | 411 | | 801 | | | 91.2 | 94.1 | 95.2 | 0.76 | 0.84 | 0.92 | 93 | 34 | 1970 |
| 280 | 355M/L | 2980 | 517 | 7.5 | 897 | 1.6 | 1.6 | 92.8 | 93.6 | 95.2 | 0.76 | 0.84 | 0.92 | 92 | 32 | 1990 |
| 315 | 355M/L | 2980 | 517 | | 1010 | | | 93.1 | 93.2 | 95.2 | 0.75 | 0.85 | 0.92 | 92 | 19 | 2000 |

- 1) For current ratings at 380V, multiply by 1,05 and for 525V, multiply by 0,76.
- 2) Motors are tested to standard IEC 34-12 (starting) and IEC 34-1/34-2/24-2A (running).
- 3) The values shown are subject to change without prior notice.
- 4) For data and guaranteed performance values contact our sales office.

PERFORMANCE DATA - 4 POLE

HIGH EFF 2 - CEMEP

| PERFORMANCE DATA | | | | | | | | | | | | | | 1500 RPM - 50 Hz (4 POLE) | | | |
|------------------|-----------|-----------------|------------------------------------|-----------------------------------|------------------------|-----------------------------|--------------------------|----------------|------|------|------------------|------|------|---|---|-------------|--|
| Rated Output kW | Frame IEC | Rated Speed RPM | Full Load Current at 400V in A IFL | Locked Rotor Current I/In IST/IFL | Full Load Torque Tn Nm | Locked Rotor Torque TST/TFL | Break-down Torque TM/TFL | Efficiency n % | | | Power Factor Cos | | | Noise Level dB (A) Sound Pressure Level | Allowable Time of Locked Rotor Hot/Cold s/s | App. Wt. Kg | |
| | | | | | | | | % of Full Load | | | | | | | | | |
| | | | | | | | | 50 | 75 | 100 | 50 | 75 | 100 | | | | |
| 0.12 | 63 | 1310 | 0.42 | 4.4 | 0.87 | | | 54.2 | 61.2 | 60.0 | 0.55 | 0.63 | 0.73 | 57 | 18 | 14 | |
| 0.18 | 63 | 1310 | 0.59 | | 1.31 | | | 54.2 | 61.2 | 60.0 | 0.55 | 0.63 | 0.73 | 57 | 17 | 14 | |
| 0.25 | 71 | 1330 | 0.75 | | 1.80 | | | 58.7 | 66.3 | 65.0 | 0.55 | 0.64 | 0.74 | 60 | 21 | 15 | |
| 0.37 | 71 | 1330 | 1.06 | 5.2 | 2.66 | | | 60.6 | 68.3 | 67.0 | 0.57 | 0.65 | 0.75 | 60 | 12 | 16 | |
| 0.55 | 80 | 1390 | 1.49 | | 3.78 | 2.4 | | 67.8 | 76.5 | 75.0 | 0.57 | 0.65 | 0.75 | 63 | 10 | 18 | |
| 0.75 | 80 | 1390 | 1.93 | | 5.15 | | | 67.5 | 74.5 | 74.6 | 0.52 | 0.65 | 0.76 | 69 | 14 | 19 | |
| 1.1 | 90S | 1400 | 2.75 | 6 | 7.50 | | | 69.3 | 76.2 | 76.2 | 0.60 | 0.72 | 0.77 | 66 | 7 | 23 | |
| 1.5 | 90L | 1400 | 3.52 | | 10.23 | | | 75.3 | 77.7 | 78.5 | 0.62 | 0.73 | 0.75 | 66 | 14 | 26 | |
| 2.2 | 100L | 1430 | 4.90 | | 14.69 | | | 75.9 | 80.8 | 81.2 | 0.63 | 0.75 | 0.81 | 63 | 9 | 34 | |
| 3 | 100L | 1430 | 6.44 | | 20.03 | 2.3 | | 75.1 | 81.7 | 82.6 | 0.64 | 0.76 | 0.82 | 69 | 7 | 37 | |
| 4 | 112M | 1440 | 8.36 | | 26.53 | | | 79.3 | 83.4 | 84.4 | 0.65 | 0.76 | 0.82 | 70 | 11 | 45 | |
| 5.5 | 132S | 1440 | 11.1 | 7 | 36.47 | | | 83.2 | 85.7 | 86.7 | 0.66 | 0.77 | 0.83 | 68 | 12 | 65 | |
| 7.5 | 132M | 1440 | 14.8 | | 49.74 | | | 83.6 | 87.6 | 88.0 | 0.64 | 0.78 | 0.84 | 69 | 8 | 78 | |
| 9.2 | 132M | 1460 | 18.1 | | 59.36 | | | 83.6 | 87.6 | 88.0 | 0.63 | 0.78 | 0.84 | 75 | 7 | 89 | |
| 11 | 160M | 1460 | 21.2 | | 71.95 | | | 85.1 | 87.7 | 88.6 | 0.77 | 0.78 | 0.84 | 75 | 15 | 118 | |
| 15 | 160L | 1460 | 28.5 | | 98.12 | | | 86.5 | 90.1 | 86.5 | 0.78 | 0.81 | 0.85 | 72 | 15 | 138 | |
| 18.5 | 180M | 1470 | 34.6 | 7.5 | 119.4 | | | 86.5 | 90.3 | 90.4 | 0.77 | 0.82 | 0.86 | 74 | 12 | 177 | |
| 22 | 180L | 1471 | 41.0 | | 142.9 | | | 87.1 | 90.4 | 90.7 | 0.78 | 0.82 | 0.86 | 78 | 12 | 203 | |
| 30 | 200L | 1470 | 54.7 | | 194.9 | | | 88.4 | 91.6 | 91.6 | 0.79 | 0.83 | 0.86 | 79 | 15 | 243 | |
| 37 | 225S/M | 1480 | 66.4 | | 238.75 | 2.2 | | 87.9 | 91.6 | 92.6 | 0.79 | 0.83 | 0.87 | 78 | 15 | 305 | |
| 45 | 225S/M | 1480 | 80.4 | | 290.37 | | | 91.0 | 92.1 | 93.0 | 0.79 | 0.83 | 0.87 | 82 | 18 | 328 | |
| 55 | 250S/M | 1482 | 97.8 | 7.2 | 354.5 | | | 90.7 | 92.9 | 93.5 | 0.79 | 0.84 | 0.87 | 82 | 20 | 452 | |
| 75 | 250S/M | 1480 | 133 | | 483.95 | | | 91.3 | 93.3 | 94.1 | 0.78 | 0.84 | 0.87 | 81 | 12 | 488 | |
| 90 | 280S/M | 1490 | 158 | | 576.9 | | | 92.0 | 93.4 | 94.3 | 0.79 | 0.84 | 0.87 | 83 | 18 | 672 | |
| 110 | 280S/M | 1490 | 191 | | 705.1 | | | 91.8 | 94.2 | 99.6 | 0.81 | 0.84 | 0.88 | 84 | 24 | 930 | |
| 132 | 315S/M | 1490 | 228 | | 846.1 | | | 92.0 | 94.1 | 94.9 | 0.80 | 0.84 | 0.88 | 90 | 35 | 1130 | |
| 160 | 315S/M | 1490 | 272 | | 1025.5 | | | 92.1 | 94.3 | 95.3 | 0.81 | 0.86 | 0.89 | 88 | 24 | 1180 | |
| 185 | 315M/L | 1490 | 314 | | 1185.7 | | | 92.0 | 94.1 | 95.3 | 0.81 | 0.86 | 0.89 | 89 | 18 | 1215 | |
| 200 | 315M/L | 1490 | 341 | 6.9 | 1281.9 | 2.1 | | 92.3 | 94.4 | 95.3 | 0.80 | 0.87 | 0.89 | 88 | 34 | 1260 | |
| 220 | 315M/L | 1485 | 380 | | 1414.8 | | | 92.6 | 94.7 | 95.3 | 0.80 | 0.87 | 0.89 | 89 | 35 | 1530 | |
| 250 | 315M/L | 1485 | 421 | | 1607.7 | | | 93.0 | 94.9 | 95.3 | 0.82 | 0.87 | 0.90 | 92 | 35 | 1810 | |
| 280 | 355M/L | 1485 | 471 | | 1807.0 | | | 93.0 | 94.7 | 95.3 | 0.83 | 0.87 | 0.90 | 92 | 35 | 1860 | |
| 315 | 355M/L | 1485 | 528 | | 2025.8 | | | 93.2 | 94.6 | 95.3 | 0.82 | 0.88 | 0.90 | 93 | 35 | 1910 | |

- 1) For current ratings at 380V, multiply by 1,05 and for 525V, multiply by 0,76.
- 2) Motors are tested to standard IEC 34-12 (starting) and IEC 34-1/34-2/24-2A (running).
- 3) The values shown are subject to change without prior notice.
- 4) For data and guaranteed performance values contact our sales office.

PERFORMANCE DATA - 6 POLE

HIGH EFF 2 - CEMEP

| PERFORMANCE DATA | | | | | | | | | | | | | | | | |
|----------------------------------|-----------|-----------------|------------------------------------|------------------------------------|------------------------|-----------------------------|--------------------------|----------------|------|------|------------------|------|------|---|---|-------------|
| 1000 RPM - 50 Hz (6 POLE) | | | | | | | | | | | | | | | | |
| Rated Output kW | Frame IEC | Rated Speed RPM | Full Load Current at 400V in A IFL | Locked Rotor Current II/In IST/IFL | Full Load Torque Tn Nm | Locked Rotor Torque TST/TFI | Break-down Torque TM/TFI | Efficiency n % | | | Power Factor Cos | | | Noise Level dB (A) Sound Pressure Level | Allowable Time of Locked Rotor Hot/Cold s/s | App. Wt. Kg |
| | | | | | | | | % of Full Load | | | | | | | | |
| | | | | | | | | 50 | 75 | 100 | 50 | 75 | 100 | | | |
| 0.25 | 80 | 850 | 0.90 | 4.0 | 2.81 | 1.9 | 2.0 | 51.1 | 57.3 | 59.0 | 0.45 | 0.59 | 0.68 | 59 | 15 | 15 |
| 0.37 | 80 | 890 | 1.24 | 4.7 | 3.97 | | | 59.6 | 61.3 | 62.0 | 0.47 | 0.61 | 0.70 | 61 | 8 | 17 |
| 0.55 | 80 | 890 | 1.70 | | 5.90 | | | 63.0 | 64.4 | 65.0 | 0.48 | 0.63 | 0.72 | 61 | 12 | 19 |
| 0.75 | 90S | 910 | 2.18 | 5.5 | 8.84 | 2.0 | 2.0 | 70.0 | 72.7 | 72.7 | 0.49 | 0.63 | 0.72 | 64 | 13 | 23 |
| 1.1 | 90L | 910 | 3.02 | | 12.07 | | | 73.0 | 75.2 | 75.4 | 0.51 | 0.65 | 0.73 | 64 | 14 | 25 |
| 1.5 | 100L | 940 | 3.74 | | 15.24 | | | 75.9 | 76.7 | 77.5 | 0.53 | 0.66 | 0.75 | 68 | 13 | 33 |
| 2.2 | 112M | 940 | 5.32 | 6.5 | 22.35 | 2.1 | 2.1 | 78.4 | 79.8 | 79.9 | 0.53 | 0.67 | 0.76 | 72 | 15 | 45 |
| 3 | 132S | 960 | 7.03 | | 29.84 | | | 79.9 | 80.8 | 81.6 | 0.63 | 0.69 | 0.76 | 76 | 15 | 63 |
| 4 | 132M | 960 | 9.31 | | 39.79 | | | 81.6 | 83.1 | 83.3 | 0.62 | 0.69 | 0.76 | 76 | 15 | 73 |
| 5.5 | 132M | 960 | 12.3 | 7.0 | 54.71 | 2.0 | 2.0 | 83.6 | 84.1 | 85.0 | 0.64 | 0.69 | 0.77 | 76 | 15 | 84 |
| 7.5 | 160M | 970 | 16.2 | | 73.84 | | | 84.6 | 86.4 | 86.5 | 0.64 | 0.69 | 0.77 | 80 | 20 | 119 |
| 11 | 160L | 970 | 22.9 | | 108.39 | | | 86.6 | 87.8 | 87.9 | 0.69 | 0.71 | 0.78 | 73 | 15 | 147 |
| 15 | 180L | 970 | 30.0 | 6.7 | 147.68 | 1.9 | 2.0 | 87.8 | 88.9 | 89.0 | 0.68 | 0.73 | 0.81 | 72 | 15 | 195 |
| 18.5 | 200L | 970 | 36.7 | | 182.14 | | | 87.6 | 89.6 | 89.7 | 0.68 | 0.73 | 0.81 | 74 | 35 | 235 |
| 22 | 200L | 970 | 42.5 | | 216.6 | | | 87.4 | 90.1 | 90.3 | 0.67 | 0.76 | 0.83 | 76 | 27 | 256 |
| 30 | 225S/M | 980 | 56.3 | 6.7 | 292.23 | 2.0 | 2.0 | 82.3 | 89.7 | 91.5 | 0.73 | 0.77 | 0.84 | 74 | 20 | 306 |
| 37 | 250S/M | 980 | 67.4 | | 360.56 | | | 85.8 | 92.1 | 92.3 | 0.73 | 0.80 | 0.86 | 78 | 22 | 416 |
| 45 | 250S/M | 980 | 81.7 | | 438.52 | | | 84.3 | 92.2 | 92.6 | 0.74 | 0.81 | 0.86 | 75 | 17 | 536 |
| 55 | 280S/M | 980 | 99.7 | 6.7 | 535.97 | 2.0 | 2.0 | 85.0 | 92.3 | 93.0 | 0.75 | 0.81 | 0.86 | 77 | 33 | 614 |
| 75 | 280S/M | 990 | 134 | | 723.48 | | | 84.1 | 93.6 | 93.8 | 0.75 | 0.82 | 0.86 | 80 | 30 | 990 |
| 90 | 315S/M | 990 | 161 | | 968.18 | | | 85.7 | 93.2 | 94.2 | 0.73 | 0.83 | 0.86 | 81 | 28 | 1180 |
| 110 | 315S/M | 990 | 198 | 6.7 | 1061.1 | 1.9 | 2.0 | 85.1 | 93.4 | 94.4 | 0.71 | 0.84 | 0.86 | 84 | 28 | 1240 |
| 132 | 315M/L | 990 | 232 | | 1273.3 | | | 86.1 | 94.5 | 94.7 | 0.79 | 0.85 | 0.87 | 82 | 17 | 1300 |
| 160 | 315M/L | 990 | 277 | | 1543.4 | | | 85.4 | 94.7 | 94.9 | 0.78 | 0.85 | 0.88 | 85 | 12 | 1800 |
| 185 | 355M/L | 990 | 320 | 6.7 | 1784.8 | 1.9 | 1.9 | 85.3 | 94.8 | 94.9 | 0.80 | 0.85 | 0.88 | 86 | 35 | 1850 |
| 200 | 355M/L | 990 | 347 | | 1929.3 | | | 85.5 | 94.7 | 94.9 | 0.80 | 0.85 | 0.88 | 86 | 35 | 1945 |
| 220 | 355M/L | 990 | 381 | | 2122.2 | | | 85.6 | 94.9 | 94.9 | 0.80 | 0.85 | 0.88 | 87 | 35 | 2040 |
| 280 | 355M/L | 980 | 432 | | 2411.6 | | | 84.9 | 94.8 | 94.9 | 0.81 | 0.85 | 0.88 | 88 | 21 | 2236 |

- 1) For current ratings at 380V, multiply by 1.05 and for 525V, multiply by 0.76.
- 2) Motors are tested to standard IEC 34-12 (starting) and IEC 34-1/34-2/24-2A (running).
- 3) The values shown are subject to change without prior notice.
- 4) For data and guaranteed performance values contact our sales office.

PERFORMANCE DATA - 8 POLE

HIGH EFF 2 - CEMEP

| PERFORMANCE DATA | | | | | | | | | | | | | | | | |
|--------------------------|-----------|-----------------|------------------------------------|------------------------------------|------------------------|-----------------------------|--------------------------|----------------|------|------|------------------|------|------|---|---|-------------|
| 750 RPM - 50 Hz (8 POLE) | | | | | | | | | | | | | | | | |
| Rated Output kW | Frame IEC | Rated Speed RPM | Full Load Current at 400V in A IFL | Locked Rotor Current II/In IST/IFL | Full Load Torque Tn Nm | Locked Rotor Torque TST/TFL | Break-down Torque TM/TFL | Efficiency n % | | | Power Factor Cos | | | Noise Level dB (A) Sound Pressure Level | Allowable Time of Locked Rotor Hot/Cold s/s | App. Wt. Kg |
| | | | | | | | | % of Full Load | | | | | | | | |
| | | | | | | | | 50 | 75 | 100 | 50 | 75 | 100 | | | |
| 0.37 | 90S | 660 | 1.42 | 4.0 | 5.35 | 1.8 | 1.9 | 59.0 | 61.0 | 62.0 | 0.42 | 0.53 | 0.61 | 64 | 32 | 23 |
| 0.55 | 90L | 660 | 2.07 | | 7.96 | | | 60.8 | 62.0 | 63.0 | 0.42 | 0.53 | 0.61 | 64 | 26 | 25 |
| 0.75 | 100L | 690 | 2.17 | 5.0 | 10.38 | 1.8 | 1.9 | 68.6 | 70.0 | 71.0 | 0.46 | 0.58 | 0.67 | 67 | 32 | 33 |
| 1.1 | 100L | 690 | 2.27 | | 15.22 | | | 70.8 | 72.0 | 73.0 | 0.47 | 0.60 | 0.69 | 67 | 23 | 38 |
| 1.5 | 112M | 680 | 4.28 | 6.0 | 21.07 | 1.9 | 2.0 | 72.7 | 74.7 | 75.0 | 0.46 | 0.60 | 0.69 | 69 | 28 | 50 |
| 2.2 | 132S | 710 | 5.70 | | 29.59 | | | 75.2 | 77.0 | 77.8 | 0.48 | 0.61 | 0.71 | 72 | 22 | 63 |
| 3 | 132M | 710 | 7.51 | 6.0 | 40.35 | 1.9 | 2.0 | 77.4 | 79.6 | 79.8 | 0.58 | 0.67 | 0.73 | 72 | 20 | 79 |
| 4 | 160M | 720 | 9.79 | | 53.06 | | | 78.9 | 81.0 | 81.7 | 0.59 | 0.67 | 0.73 | 76 | 34 | 118 |
| 5.5 | 160M | 720 | 12.9 | 6.6 | 72.95 | 1.9 | 2.0 | 80.5 | 82.8 | 83.4 | 0.59 | 0.68 | 0.74 | 76 | 24 | 119 |
| 7.5 | 160L | 720 | 16.9 | | 99.48 | | | 82.7 | 85.1 | 85.5 | 0.62 | 0.69 | 0.75 | 76 | 20 | 145 |
| 11 | 180L | 730 | 23.8 | 6.6 | 143.9 | 1.8 | 2.0 | 83.9 | 86.4 | 87.0 | 0.62 | 0.70 | 0.76 | 78 | 12 | 184 |
| 15 | 200L | 730 | 32.4 | | 196.23 | | | 85.3 | 88.0 | 88.4 | 0.62 | 0.70 | 0.76 | 81 | 32 | 236 |
| 18.5 | 225M | 730 | 38.6 | 6.6 | 242.1 | 1.9 | 2.0 | 85.4 | 89.0 | 89.4 | 0.63 | 0.71 | 0.76 | 80 | 18 | 292 |
| 22 | 225M | 740 | 45.0 | | 283.92 | | | 86.0 | 89.4 | 90.0 | 0.65 | 0.73 | 0.78 | 80 | 15 | 302 |
| 30 | 250S/M | 740 | 60.8 | 6.6 | 387.16 | 1.9 | 2.0 | 87.0 | 89.7 | 91.1 | 0.65 | 0.73 | 0.79 | 82 | 15 | 396 |
| 37 | 250S/M | 740 | 74.0 | | 477.6 | | | 88.1 | 91.5 | 91.7 | 0.66 | 0.73 | 0.79 | 83 | 15 | 520 |
| 45 | 280S/M | 710 | 89.0 | 6.4 | 605.3 | 1.8 | 1.9 | 88.5 | 91.8 | 92.2 | 0.68 | 0.74 | 0.79 | 82 | 30 | 533 |
| 55 | 280S/M | 740 | 105 | | 709.8 | | | 89.9 | 91.9 | 93.0 | 0.68 | 0.79 | 0.81 | 88 | 24 | 1000 |
| 75 | 315S/M | 740 | 143 | 6.4 | 967.9 | 1.8 | 1.9 | 90.0 | 91.1 | 93.8 | 0.68 | 0.80 | 0.81 | 88 | 18 | 1250 |
| 90 | 315M/L | 740 | 169 | | 1161.5 | | | 90.4 | 93.8 | 94.0 | 0.67 | 0.80 | 0.82 | 88 | 28 | 1310 |
| 110 | 315M/L | 740 | 206 | 6.4 | 1419.6 | 1.8 | 1.9 | 90.3 | 93.8 | 94.3 | 0.67 | 0.80 | 0.82 | 88 | 14 | 1350 |
| 132 | 355M/L | 740 | 248 | | 1703.5 | | | 91.0 | 93.6 | 94.7 | 0.65 | 0.80 | 0.82 | 85 | 30 | 1750 |
| 160 | 355M/L | 740 | 299 | 6.4 | 2064.9 | 1.8 | 1.9 | 91.1 | 93.9 | 95.0 | 0.66 | 0.80 | 0.82 | 88 | 34 | 1880 |
| 185 | 355M/L | 740 | 365 | | 2387.5 | | | 91.2 | 94.8 | 95.0 | 0.67 | 0.80 | 0.82 | 86 | 34 | 1960 |
| 200 | 355M/L | 740 | 368 | 2581.1 | 91.1 | 94.8 | 95.0 | 0.68 | 0.81 | 0.83 | 87 | 34 | 2060 | | | |

- 1) For current ratings at 380V, multiply by 1,05 and for 525V, multiply by 0,76.
- 2) Motors are tested to standard IEC 34-12 (starting) and IEC 34-1/34-2/24-2A (running).
- 3) The values shown are subject to change without prior notice.
- 4) For data and guaranteed performance values contact our sales office.



CHE100 SERIES SENSORLESS VECTOR CONTROL FREQUENCY INVERTER

FEATURES

- Power Range: 0.4~315 kW
- Excellent sensor-less vector control based on DPS platform
- Static and dynamic motor parameter autotune, ensure excellent vector control
- Independent duct design
- Built-in DC reactors above 18.5kW to improve power factor
- Wobble frequency control: Offer multiple triangular wave to meet specific demand of textile industry
- Offer RS485 communication port which support standard Modbus RTU and ADCII protocol
- Unique shortcut menu: Offer shortcut to view and modify function parameter in common use
- Support local and remote operator panel at the same time, make commissioning more convenient
- CHE 150 series high frequency inverter(1.5kW – 22kW) is able to output 3000Hz which can be used for high speed spinning machines



TYPICAL APPLICATIONS:

Textile, printing, chemical, paper making, wire-drawing, extruder machines, air-compressor, fans, mixers, machine tools, granulators, conveyors, winders, mill drive.



| FEATURES | CHE MODEL |
|----------------------------------|--|
| Mains Connection | |
| Supply Voltage | 1AC 220V \pm 15% 3AC 220V/380V/460V/690V/1140V \pm 15% |
| Frequency | 47 – 63 Hz |
| Power Factor | 0.92 |
| Efficiency | >98%(at nominal power) |
| Control Functions | |
| Control Mode | Sensorless vector control (SVC) V/F control |
| Overload Capacity | CT:150% in for 60s 180% in for 10s VT:120% in for 60s 150% in for 10s |
| Frequency Control | 0-600Hz Resolution: 0.01Hz (Digital) Maximum frequency x 0.1% (Analogue) |
| Starting Torque | 150% Mn at 0.5Hz (SVC) |
| Speed Control | |
| Speed Range | 1:100 (SVC) |
| Speed Accuracy | \pm 0.5% maximum speed (SVC) |
| Multi-speed | 8 |
| Advanced Control Function | |
| Transverse Control | Standard |
| Length Control | N/A |
| Tension Control | N/A |
| Terminal Connection | |
| Input | DI: 4 AI: 2 (0-10V or 0-20mA selectable) |
| Output | DO: 1 RO: 1 AO: 1, 0/4-20Ma or 0/2 – 10V selectable |
| LCD Panel | English selectable, parameter download and upload |
| AC Input Choke | Optional |
| RFI Filter | Optional |
| Environment Limit | |
| Ambient Temperature | Operation: -10~ +40°C Transporting & Storage: -30~ +60°C |
| Relative Humidity | <95%, no condensation allowed |
| Altitude | 0-1000m without derating 1000-4000m with derating |
| Cooling Method | Dry clean air |

CHV100 SERIES CLOSE LOOP AND VECTOR CONTROL FREQUENCY INVERTER 380V

FEATURES

- Power Range: 0.4~630 kW
- Adopts advanced modular design concept
- Dual – CPU control platform: DSP is responsible for current vector arithmetic while 32 bit MCU is in charge of control function
- Static and dynamic motor parameter autotune, ensure excellent vector control
- High accuracy close-loop speed control and torque control using PG card to receive pulse signal from encoder
- Torque control: Offer multi-mode torque setting
- Constant tension control: The built-in roll diameter calculations can implement direct (indirect) tension control in wind and unwind application
- External LCD panel can monitor three parameters at the same time. Parameter copy function make several drives commissioning more convenient
- Unique shortcut menu: Offer shortcut to view and modify function parameter in common use
- Support local and remote operator panel at the same time, make commissioning more convenient

TYPICAL APPLICATIONS:

Elevator, crane, printing machine, dying machine, paper machine, wind and unwind, high accuracy machine tool, cutting machine, steel rolling, metal, wire machine, drawbench, position control, zero speed servo control.



| FEATURES | CHV MODEL |
|----------------------------------|---|
| Mains Connection | |
| Supply Voltage | 3AC 380V \pm 15% |
| Frequency | 47 – 63 Hz |
| Power Factor | 0.92 |
| Efficiency | >98%(at nominal power) |
| Control Functions | |
| Control Mode | Sensorless vector control (SVC) Close loop vector control (VC) V/F control |
| Overload Capacity | 150% in for 60s 180% in for 10s |
| Frequency Control | 0-600Hz Resolution: 0.01Hz (Digital) Maximum frequency x 0.1% (Analogue) |
| Starting Torque | 150% Mn at 0.5Hz (SVC) 180% Mn at)Hz (VC) |
| Speed Control | |
| Speed Range | 1:100 (SVC) 1:100 (SVC) |
| Speed Accuracy | \pm 0.5% maximum speed (SVC) \pm 0.02% maximum speed (VC) |
| Multi-speed | 18 |
| Advanced Control Function | |
| Transverse Control | Standard |
| Length Control | Standard |
| Tension Control | Optional |
| Terminal Connection | |
| Input | DI: 6(1 HDI). 4 DI extendable AI: 2 (0-10V or 0-20mA selectable, 2AI extendable) |
| Output | HDD: 1 DO: 1,1 DO extendable RO: 2,1 rd extendable AO: 1,1 AO extendable, 0,4-20Ma or 0/2 – 10V selectable |
| LCD Panel | English selectable, parameter download and upload |
| AC Input Choke | Optional |
| RFI Filter | Optional |
| Environment Limit | |
| Ambient Temperature | Operation: -10~ +40°C Transporting & Storage: -30~ +60°C |
| Relative Humidity | <95%, no condensation allowed |
| Altitude | 0-1000m without derating 1000-4000m with derating |
| Cooling Method | Dry clean air |



CHV100 SERIES CLOSE LOOP AND VECTOR CONTROL FREQUENCY INVERTER 525V

FEATURES

- Power Range: 0.4~630 kW
- Adopts advanced modular design concept
- Dual – CPU control platform: DSP is responsible for current vector arithmetic while 32 bit MCU is in charge of control function
- Static and dynamic motor parameter autotune, ensure excellent vector control
- High accuracy close-loop speed control and torque control using PG card to receive pulse signal from Encoder
- Torque control: Offer multi-mode torque setting
- Constant tension control: The built-in roll diameter calculations can implement direct (indirect) tension control in wind and unwind application
- External LCD panel can monitor three parameters at the same time. Parameter copy function make several drives commissioning more convenient
- Unique shortcut menu: Offer shortcut to view and modify function parameter in common use
- Support local and remote operator panel at the same time, make commissioning more convenient



TYPICAL APPLICATIONS:

Elevator, crane, printing machine, dying machine, paper machine, wind and unwind, high accuracy machine tool, cutting machine, steel rolling, metal, wire machine, drawbench, position control, zero speed servo control.



| FEATURES | CHV MODEL |
|----------------------------------|---|
| Mains Connection | |
| Supply Voltage | 3AC 525V ± 15% |
| Frequency | 47 – 63 Hz |
| Power Factor | 0.92 |
| Efficiency | >98%(at nominal power) |
| Control Functions | |
| Control Mode | Sensorless vector control (SVC) Close loop vector control (VC) V/F control |
| Overload Capacity | 150% in for 60s 180% in for 10s |
| Frequency Control | 0-600Hz Resolution: 0.01Hz (Digital) Maximum frequency x 0.1% (Analogue) |
| Starting Torque | 150% Mn at 0.5Hz (SVC) 180% Mn at)Hz (VC) |
| Speed Control | |
| Speed Range | 1:100 (SVC) 1:100 (SVC) |
| Speed Accuracy | ± 0.5% maximum speed (SVC) ± 0.02% maximum speed (VC) |
| Multi-speed | 18 |
| Advanced Control Function | |
| Transverse Control | Standard |
| Length Control | Standard |
| Tension Control | Optional |
| Terminal Connection | |
| Input | DI: 6(1 HDI). 4 DI extendable AI: 2 (0-10V or 0-20mA selectable, 2AI extendable) |
| Output | HDD: 1 DO: 1,1 DO extendable RO: 2,1 rd extendable AO: 1,1 AO extendable, 0,4-20Ma or 0/2 – 10V selectable |
| LCD Panel | English selectable, parameter download and upload |
| AC Input Choke | Optional |
| RFI Filter | Optional |
| Environment Limit | |
| Ambient Temperature | Operation: -10~ +40°C Transporting & Storage: -30~ +60°C |
| Relative Humidity | <95%, no condensation allowed |
| Altitude | 0-1000m without derating 1000-4000m with derating |
| Cooling Method | Dry clean air |

INPUT CHOKES - CHE 380V

| INPUT CHOKE | | | CHE 380V |
|-------------|------|-----------|--------------------|
| KW | AMPS | INDUCTION | MODEL |
| 0,4 | 2 | 7mH | CHE100-0R7G4 |
| 0.75 / 1.5 | 3.7 | 2.239mH | CHE100-1R5G-4 |
| 2.2 | 5.5 | 2.18mH | CHE100-2R2G-4 |
| 4.0 / 5.5 | 9 | 1.85mH | CHE100-004G/5R5P-4 |
| 5.5 / 7.5 | 13 | 1.56mH | CHE100-5R5G/7R5P-4 |
| 7.5 / 11 | 18 | 1mH | CHE100-7R5G/011P-4 |
| 11/15 | 24 | .052mH | CHE100-011G/015P-4 |
| 15/18.5 | 34 | 0.397mH | CHE100-015G/018P-4 |
| 18.5/22 | 38 | 0.352mH | CHE100-018G/022P-4 |
| 22/30 | 50 | 0.26mH | CHE100-022G/030P-4 |
| 30/37 | 60 | 0.24mH | CHE100-030G/037P-4 |
| 37/45 | 60 | 0.24mH | CHE100-037G/045P-4 |
| 45/55 | 75 | 0.235mH | CHE100-045G/055P-4 |
| 55/75 | 91 | 0.17mH | CHE100-055G/075P-4 |
| 75/90 | 112 | 0.16mH | CHE100-075G/090P-4 |
| 90/110 | 150 | 0.12mH | CHE100-090G/110P-4 |
| 110/132 | 180 | 0.10mH | CHE100-110G/132P-4 |
| 132/160 | 220 | 0.09mH | CHE100-132G/160P-4 |
| 160/185 | 265 | 0.08mH | CHE100-160G/185P-4 |
| 185/200 | 300 | 0.07mH | CHE100-185G/200P-4 |
| 200/220 | 360 | 0.06mH | CHE100-200G/220P-4 |
| 220/250 | 400 | 0.05mH | CHE100-220G/250P-4 |
| 280/315 | 560 | 0.03mH | CHE100-280G/315P-4 |
| 315/350 | 640 | 0.0215mH | CHE100-315G/350P-4 |
| 400 | 754 | 0.15mH | CHE100-400G-4 |
| 630 | 1180 | 0.01mH | CHE100-630G-4 |



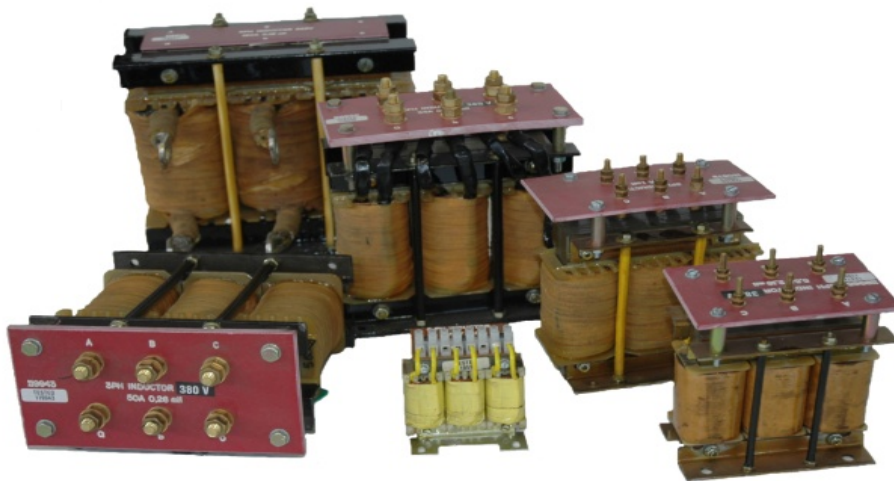
ELECTRIC MOTORS

INPUT CHOKES - CHV 380V

| INPUT CHOKE | | | CHV 380V |
|-------------|------|-----------|-------------|
| KW | AMPS | INDUCTION | MODEL |
| 22 | 60 | 0.28mH | CHV100-022G |
| 30 | 80 | 0.19mH | CHV100-030G |
| 37 | 90 | 0.16mH | CHV100-037G |
| 45 | 120 | 0.13mH | CHV100-045G |
| 55 | 150 | 0.10mH | CHV100-055G |
| 75 | 200 | 0.12mH | CHV100-075G |
| 90 | 250 | 0.06mH | CHV100-090G |
| 132 | 290 | 0.04mH | CHV100-132G |
| 160 | 330 | 0.04mH | CHV100-160G |
| 185 | 400 | 0.04mH | CHV100-185G |
| 200 | 490 | 0.03mH | CHV100-200G |

INPUT CHOKES - CHV 525V

| INPUT CHOKE | | | CHV 525V | | | | | | | |
|-------------|------|---|--------------|-----|--------|--------------|-----|-----|--------|--------------|
| KW | AMPS | INDUCTION | MODEL | | | | | | | |
| 18.5 | 28 | 1.8mH | CHV100-018-5 | | | | | | | |
| 22 | 35 | 1.4mH | CHV100-022-5 | | | | | | | |
| 30 | 48 | 1.0mH | CHV100-030-5 | | | | | | | |
| 37 | 58 | 0.86mH | CHV100-037-5 | | | | | | | |
| 45 | 72 | 0.7mH | CHV100-045-5 | | | | | | | |
| 55 | 85 | 0.59mH | CHV100-055-5 | | | | | | | |
| 75 | 115 | 0.43mH | CHV100-075-5 | | | | | | | |
| 90 | 130 | 0.38mH | CHV100-090-5 | | | | | | | |
| 110 | 160 | 0.31mH | CHV100-110-5 | | | | | | | |
| 132 | 191 | 0.26mH | CHV100-132-5 | | | | | | | |
| 160 | 231 | 0.21mH | CHV100-160-5 | | | | | | | |
| 185 | 260 | 0.18mH | CHV100-185-5 | | | | | | | |
| 200 | 292 | 0.17mH | CHV100-200-5 | | | | | | | |
| 220 | 315 | 0.16mH | CHV100-220-5 | | | | | | | |
| 250 | 360 | 0.14mH </tr <tr> <td>280</td> <td>400</td> <td>0.12mH</td> <td>CHV100-280-5</td> </tr> <tr> <td>315</td> <td>460</td> <td>0.11mH</td> <td>CHV100-315-5</td> </tr> | 280 | 400 | 0.12mH | CHV100-280-5 | 315 | 460 | 0.11mH | CHV100-315-5 |
| 280 | 400 | 0.12mH | CHV100-280-5 | | | | | | | |
| 315 | 460 | 0.11mH | CHV100-315-5 | | | | | | | |



BRAKING RESISTORS - CHE 380V

| BRAKING RESISTORS RANGE | | | CHE 380V |
|-------------------------|-----------------------|--------------------------|--------------------|
| RESISTOR | POWER OF INVERTER(KW) | SPEC OF BRAKING RESISTOR | MODEL |
| RXG20 | 0.75 | 750Ω / 80W | CHE100-1R5G-4 |
| RXG20 | 1.5 | 400Ω / 260W | CHE100-2R2G-4 |
| RXG20 | 2.2 | 250Ω / 260W | |
| RXG20 | 4 | 150Ω / 390W | CHE100-004G/5R5P-4 |
| RXG20 | 5.5 | 100Ω / 520W | CHE100-5R5G/7R5P-4 |
| RXG20 | 7.5 | 75Ω / 780W | CHE100-7R5G/011P-4 |
| RXG20 | 11 | 50Ω / 1040W | CHE100-011G/015P-4 |
| RXG20 | 15 | 40Ω / 1560W | CHE100-015G/018P-4 |
| RXG-F | 18.5 | 32Ω / 4800W | CHE100-018G/022P-4 |
| RXG-F | 22 KW | 27,2Ω/4800W | CHE100-022G/030P-4 |
| RXG-F | 30 KW | 20Ω / 6000W | CHE100-030G/037P-4 |
| RXG-F | 37 KW | 16Ω / 9600W | CHE100-037G/045P-4 |
| RXG-F | 45 KW | 13.6Ω / 9600W | CHE100-045G/055P-4 |
| RXG-F | 55 KW | 10Ω / 12000W | CHE100-055G/075P-4 |
| RXG-F | 75 KW | 6.8Ω / 12000W | CHE100-075G/090P-4 |
| RXG-F | 90 KW | 6.8Ω / 12000W | CHE100-090G/110P-4 |
| RXG-F | 110 KW | 6Ω / 20000W | CHE100-110G/132P-4 |
| RXG-F | 132 KW | 6Ω / 20000W | CHE100-132G/160P-4 |
| RXG-F | 160 KW | 5Ω / 25000W | CHE100-160G/185P-4 |
| RXG-F | 185 KW | 4Ω / 30000W | CHE100-185G/200P-4 |
| RXG-F | 200 KW | 4Ω / 30000W | CHE100-200G/220P-4 |
| RXG-F | 220 KW | 4Ω / 30000W | CHE100-220G/250P-4 |
| RXG-F | 250 KW | 3Ω / 40000W | CHE100-280G/315P-4 |
| RXG-F | 280 KW | 3Ω / 40000W | CHE100-315G/350P-4 |
| RXG-F | 315 KW | 3Ω / 40000W | CHE100-400G-4 |
| RXG-F | 350 KW | 3Ω / 40000W | CHE100-630G-4 |



BRAKING RESISTORS - CHV 525V

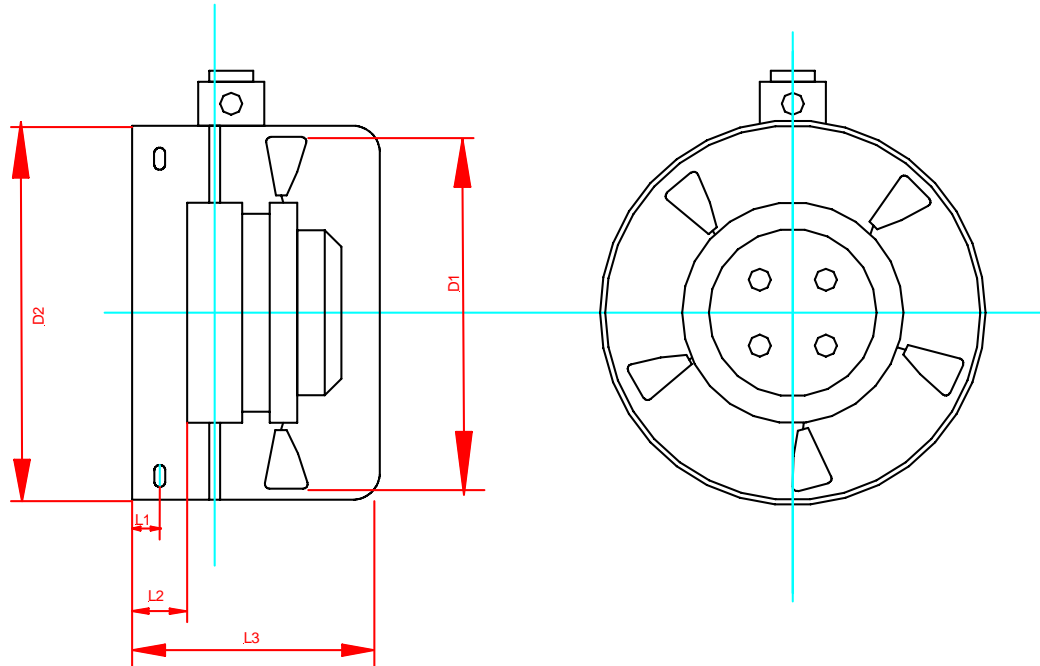
| BRAKING RESISTORS RANGE | | | CHV 525V |
|-------------------------|-----------------------|--------------------------|--------------|
| RESISTOR | POWER OF INVERTER(KW) | SPEC OF BRAKING RESISTOR | MODEL |
| | 18.5 | 72Ω/1.8KW | CHV100-018-4 |
| | 22.0 | 58Ω/2.2KW | CHV100-022-4 |
| | 30.0 | 43Ω/3KW | CHV100-030-4 |
| | 37.0 | 35Ω/3.7KW | CHV100-037-4 |
| | 45.0 | 28Ω/4.5KW | CHV100-045-4 |
| | 55.0 | 23Ω/5.5KW | CHV100-055-4 |
| | 75.0 | 17Ω/7.5KW | CHV100-075-4 |
| | 90.0 | 14Ω/9KW | CHV100-090-4 |
| | 110.0 | 12Ω/11KW | CHV100-110-4 |
| | 132.0 | 10Ω/13.2KW | CHV100-132-4 |
| | 160.0 | 8Ω/16KW | CHV100-160-4 |
| | 185.0 | 7Ω/18.5KW | CHV100-185-4 |
| | 200.0 | 6.5Ω/20KW | CHV100-200-4 |
| | 220.0 | 6Ω/22KW | CHV100-220-4 |
| | 250.0 | 5.3Ω/25KW | CHV100-250-4 |
| | 280.0 | 4.6Ω/28KW | CHV100-280-4 |
| | 315.0 | 4Ω/31.5KW | CHV100-315-4 |



DIMENSIONS

FORCE VENTILATION FANS

WEM STANDARD FORCE VENTILATIONS FANS



| FORCE VENTILATION FAN OUTLINE DRAWING AND MOUNTING DIMENSIONS | | | | | |
|---|-----|-----|-----|-----|-----|
| FAN COWL TYPE | D1 | D2 | L1 | L2 | L3 |
| G80A | 150 | 155 | 16 | 48 | 130 |
| G90A | 170 | 175 | 12 | 48 | 139 |
| G100A | 186 | 197 | 18 | 48 | 160 |
| G112A | 200 | 220 | 25 | 51 | 159 |
| G132A | 250 | 258 | 20 | 55 | 165 |
| G160A | 300 | 315 | 24 | 92 | 195 |
| G180A | 300 | 356 | 43 | 118 | 225 |
| G200A | 380 | 393 | 44 | 120 | 273 |
| G225A | 400 | 446 | 50 | 141 | 300 |
| G250A | 460 | 482 | 60 | 158 | 305 |
| G280A | 520 | 548 | 74 | 167 | 385 |
| G315A | 580 | 614 | 80 | 175 | 415 |
| G355A | 680 | 720 | 120 | 195 | 485 |
| G400A | 720 | 860 | 206 | 200 | 645 |