

## YE3VF Super-high Efficiency Frequency Variable Speed Regulation Motor

- Frame sizes: 80 to 355 Rated output: 0.37 to 375kW
  - Insulation class: F Voltage: 380V
  - Efficiency levels: IE3
  - Frequency range for 2P: (3) 5-100Hz (frame size 80-250)  
(3) 5-70Hz (frame size 280)  
(3) 5-60Hz (frame size 315-355)
  - Frequency range for 4, 6, 8, 10P: (3) 5-100Hz



**Applications:** Widely applied in metallurgy, chemistry, textile, pharmacy, printing, packing and food industry on the machine or equipment by which speed-regulation is needed, like fan, pump, numerical control machine, machining center, etc.

### Features:

- Stepless speed regulation in a wide range
- Good performance, energy saving
- High-grade insulation material and special technology can withstand high frequency pulse impact
- Separated fan for forced-ventilation

### Performance Data

380V 50Hz

| Model                       | Output<br>kW | Rated<br>Ampere<br>A | RPM  | Eff.% | Power<br>Factor | Rated<br>Torque<br>N.m | dB(A) | Constant Torque<br>Frequency Range<br>Hz | Constant Output<br>Frequency Range<br>Hz |
|-----------------------------|--------------|----------------------|------|-------|-----------------|------------------------|-------|------------------------------------------|------------------------------------------|
| Synchronous speed 3000r/min |              |                      |      |       |                 |                        |       |                                          |                                          |
| YE3VF80M1-2                 | 0.75         | 1.7                  | 2855 | 80.7  | 0.83            | 2.51                   | 70    | 5-50                                     | 50-100                                   |
| YE3VF80M2-2                 | 1.1          | 2.4                  | 2870 | 82.7  | 0.83            | 3.66                   | 70    |                                          |                                          |
| YE3VF90S-2                  | 1.5          | 3.2                  | 2865 | 84.2  | 0.84            | 5.00                   | 74    |                                          |                                          |
| YE3VF90L-2                  | 2.2          | 4.6                  | 2870 | 85.9  | 0.85            | 7.32                   | 74    |                                          |                                          |
| YE3VF100L-2                 | 3            | 6.0                  | 2875 | 87.1  | 0.87            | 9.97                   | 78    |                                          |                                          |
| YE3VF112M-2                 | 4            | 7.8                  | 2910 | 88.1  | 0.88            | 13.1                   | 82    |                                          |                                          |
| YE3VF132S1-2                | 5.5          | 10.6                 | 2935 | 89.2  | 0.88            | 17.9                   | 85    |                                          |                                          |
| YE3VF132S2-2                | 7.5          | 14.4                 | 2930 | 90.1  | 0.88            | 24.4                   | 85    |                                          |                                          |
| YE3VF160M1-2                | 11           | 20.6                 | 2950 | 91.2  | 0.89            | 35.6                   | 87    |                                          |                                          |
| YE3VF160M2-2                | 15           | 27.9                 | 2945 | 91.9  | 0.89            | 48.6                   | 87    |                                          |                                          |
| YE3VF160L-2                 | 18.5         | 34.2                 | 2945 | 92.4  | 0.89            | 60.0                   | 87    |                                          |                                          |
| YE3VF180M-2                 | 22           | 40.5                 | 2950 | 92.7  | 0.89            | 71.2                   | 90    |                                          |                                          |
| YE3VF200L1-2                | 30           | 54.9                 | 2960 | 93.3  | 0.89            | 96.8                   | 92    |                                          |                                          |
| YE3VF200L2-2                | 37           | 67.4                 | 2960 | 93.7  | 0.89            | 119                    | 92    |                                          |                                          |
| YE3VF225M-2                 | 45           | 80.8                 | 2965 | 94.0  | 0.90            | 145                    | 94    |                                          |                                          |
| YE3VF250M-2                 | 55           | 98.5                 | 2970 | 94.3  | 0.90            | 177                    | 96    | 5-50                                     | 50-70                                    |
| YE3VF280S-2                 | 75           | 134                  | 2975 | 94.7  | 0.90            | 241                    | 98    |                                          |                                          |
| YE3VF280M-2                 | 90           | 160                  | 2970 | 95.0  | 0.90            | 289                    | 98    |                                          |                                          |

## Performance Data

380V

50Hz

| Model                       | Output<br>kW | Rated<br>Ampere<br>A | RPM  | Eff.% | Power<br>Factor | Rated<br>Torque<br>N.m | dB(A) | Constant Torque<br>Frequency Range<br>Hz | Constant Output<br>Frequency Range<br>Hz |
|-----------------------------|--------------|----------------------|------|-------|-----------------|------------------------|-------|------------------------------------------|------------------------------------------|
| Synchronous speed 3000r/min |              |                      |      |       |                 |                        |       | 5-50                                     | 50-60                                    |
| YE3VF315S-2                 | 110          | 195                  | 2975 | 95.2  | 0.90            | 353                    | 100   |                                          |                                          |
| YE3VF315M-2                 | 132          | 234                  | 2975 | 95.4  | 0.90            | 424                    | 100   |                                          |                                          |
| YE3VF315L1-2                | 160          | 279                  | 2975 | 95.6  | 0.91            | 514                    | 100   |                                          |                                          |
| YE3VF315L-2                 | 185          | 323                  | 2975 | 95.7  | 0.91            | 594                    | 100   |                                          |                                          |
| YE3VF315L2-2                | 200          | 349                  | 2975 | 95.8  | 0.91            | 642                    | 100   |                                          |                                          |
| YE3VF315L3-2                | 220          | 383                  | 2975 | 95.8  | 0.91            | 706                    | 100   |                                          |                                          |
| YE3VF355M1-2                | 220          | 383                  | 2980 | 95.8  | 0.91            | 706                    | 103   |                                          |                                          |
| YE3VF355M-2                 | 250          | 436                  | 2980 | 95.8  | 0.91            | 801                    | 103   |                                          |                                          |
| YE3VF355L1-2                | 280          | 488                  | 2980 | 95.8  | 0.91            | 897                    | 103   |                                          |                                          |
| YE3VF355L-2                 | 315          | 549                  | 2980 | 95.8  | 0.91            | 1009                   | 103   |                                          |                                          |
| YE3VF355L2-2                | 355          | 619                  | 2980 | 95.8  | 0.91            | 1138                   | 103   |                                          |                                          |
| YE3VF355L3-2                | 375          | 654                  | 2980 | 95.8  | 0.91            | 1202                   | 103   |                                          |                                          |
| Synchronous speed 1500r/min |              |                      |      |       |                 |                        |       | 5-50                                     | 50-100                                   |
| YE3VF80M1-4                 | 0.55         | 1.4                  | 1430 | 80.6  | 0.75            | 3.67                   | 62    |                                          |                                          |
| YE3VF80M2-4                 | 0.75         | 1.8                  | 1425 | 82.5  | 0.75            | 5.03                   | 62    |                                          |                                          |
| YE3VF90S-4                  | 1.1          | 2.6                  | 1420 | 84.1  | 0.76            | 7.40                   | 64    |                                          |                                          |
| YE3VF90L-4                  | 1.5          | 3.5                  | 1420 | 85.3  | 0.77            | 10.1                   | 64    |                                          |                                          |
| YE3VF100L1-4                | 2.2          | 4.8                  | 1430 | 86.7  | 0.81            | 14.7                   | 68    |                                          |                                          |
| YE3VF100L2-4                | 3            | 6.3                  | 1430 | 87.7  | 0.82            | 20.0                   | 68    |                                          |                                          |
| YE3VF112M-4                 | 4            | 8.4                  | 1450 | 88.6  | 0.82            | 26.3                   | 72    |                                          |                                          |
| YE3VF132S-4                 | 5.5          | 11.2                 | 1465 | 89.6  | 0.83            | 35.9                   | 76    |                                          |                                          |
| YE3VF132M-4                 | 7.5          | 15.0                 | 1465 | 90.4  | 0.84            | 48.9                   | 76    |                                          |                                          |
| YE3VF160M-4                 | 11           | 21.5                 | 1470 | 91.4  | 0.85            | 71.5                   | 79    |                                          |                                          |
| YE3VF160L-4                 | 15           | 28.8                 | 1470 | 92.1  | 0.86            | 97.4                   | 79    |                                          |                                          |
| YE3VF180M-4                 | 18.5         | 35.3                 | 1470 | 92.6  | 0.86            | 120                    | 83    |                                          |                                          |
| YE3VF180L-4                 | 22           | 41.8                 | 1465 | 93.0  | 0.86            | 143                    | 83    |                                          |                                          |
| YE3VF200L-4                 | 30           | 56.6                 | 1475 | 93.6  | 0.86            | 194                    | 85    |                                          |                                          |
| YE3VF225S-4                 | 37           | 69.6                 | 1480 | 93.9  | 0.86            | 239                    | 88    |                                          |                                          |
| YE3VF225M-4                 | 45           | 84.4                 | 1480 | 94.2  | 0.86            | 290                    | 88    |                                          |                                          |
| YE3VF250M-4                 | 55           | 103                  | 1485 | 94.6  | 0.86            | 354                    | 92    |                                          |                                          |
| YE3VF280S-4                 | 75           | 136                  | 1490 | 95.0  | 0.88            | 481                    | 94    |                                          |                                          |
| YE3VF280M-4                 | 90           | 163                  | 1485 | 95.2  | 0.88            | 579                    | 94    |                                          |                                          |
| YE3VF315S-4                 | 110          | 197                  | 1485 | 95.4  | 0.89            | 707                    | 96    |                                          | 50-75                                    |
| YE3VF315M-4                 | 132          | 236                  | 1485 | 95.6  | 0.89            | 849                    | 96    |                                          |                                          |
| YE3VF315L1-4                | 160          | 282                  | 1485 | 95.8  | 0.90            | 1029                   | 96    |                                          |                                          |
| YE3VF315L-4                 | 185          | 326                  | 1485 | 95.9  | 0.90            | 1190                   | 96    |                                          |                                          |
| YE3VF315L2-4                | 200          | 352                  | 1485 | 96.0  | 0.90            | 1286                   | 96    |                                          |                                          |

## Performance Data

380V 50Hz

| Model                       | Output<br>kW | Rated<br>Ampere<br>A | RPM  | Eff.% | Power<br>Factor | Rated<br>Torque<br>N.m | dB(A) | Constant Torque<br>Frequency Range<br>Hz | Constant Output<br>Frequency Range<br>Hz |
|-----------------------------|--------------|----------------------|------|-------|-----------------|------------------------|-------|------------------------------------------|------------------------------------------|
| Synchronous speed 1500r/min |              |                      |      |       |                 |                        |       | 5-50                                     | 50-75                                    |
| YE3VF315L3-4                | 220          | 387                  | 1485 | 96.0  | 0.90            | 1415                   | 96    |                                          |                                          |
| YE3VF355M1-4                | 220          | 387                  | 1490 | 96.0  | 0.90            | 1410                   | 98    |                                          |                                          |
| YE3VF355M-4                 | 250          | 440                  | 1490 | 96.0  | 0.90            | 1602                   | 98    |                                          |                                          |
| YE3VF355L1-4                | 280          | 492                  | 1490 | 96.0  | 0.90            | 1795                   | 98    |                                          |                                          |
| YE3VF355L-4                 | 315          | 554                  | 1490 | 96.0  | 0.90            | 2019                   | 98    |                                          |                                          |
| YE3VF355L2-4                | 355          | 638                  | 1490 | 96.0  | 0.88            | 2275                   | 98    |                                          |                                          |
| YE3VF355L3-4                | 375          | 674                  | 1490 | 96.0  | 0.88            | 2404                   | 98    |                                          |                                          |
| Synchronous speed 1000r/min |              |                      |      |       |                 |                        |       | 5-50                                     | 50-100                                   |
| YE3VF80M1-6                 | 0.37         | 1.2                  | 910  | 68.0  | 0.70            | 3.88                   | 61    |                                          |                                          |
| YE3VF80M2-6                 | 0.55         | 1.6                  | 910  | 72.0  | 0.71            | 5.77                   | 61    |                                          |                                          |
| YE3VF90S-6                  | 0.75         | 2.0                  | 935  | 78.9  | 0.71            | 7.66                   | 63    |                                          |                                          |
| YE3VF90L-6                  | 1.1          | 2.8                  | 935  | 81.0  | 0.73            | 11.2                   | 63    |                                          |                                          |
| YE3VF100L-6                 | 1.5          | 3.8                  | 945  | 82.5  | 0.73            | 15.2                   | 66    |                                          |                                          |
| YE3VF112M-6                 | 2.2          | 5.4                  | 965  | 84.3  | 0.74            | 21.8                   | 71    |                                          |                                          |
| YE3VF132S-6                 | 3            | 7.2                  | 975  | 85.6  | 0.74            | 29.4                   | 75    |                                          |                                          |
| YE3VF132M1-6                | 4            | 9.5                  | 975  | 86.8  | 0.74            | 39.2                   | 75    |                                          |                                          |
| YE3VF132M2-6                | 5.5          | 12.7                 | 975  | 88.0  | 0.75            | 53.9                   | 75    |                                          |                                          |
| YE3VF160M-6                 | 7.5          | 16.2                 | 975  | 89.1  | 0.79            | 73.5                   | 78    |                                          |                                          |
| YE3VF160L-6                 | 11           | 23.1                 | 975  | 90.3  | 0.80            | 108                    | 78    |                                          |                                          |
| YE3VF180L-6                 | 15           | 30.9                 | 980  | 91.2  | 0.81            | 146                    | 82    |                                          |                                          |
| YE3VF200L1-6                | 18.5         | 37.8                 | 980  | 91.7  | 0.81            | 180                    | 84    |                                          |                                          |
| YE3VF200L2-6                | 22           | 44.8                 | 980  | 92.2  | 0.81            | 214                    | 84    |                                          |                                          |
| YE3VF225M-6                 | 30           | 59.1                 | 985  | 92.9  | 0.83            | 291                    | 86    |                                          |                                          |
| YE3VF250M-6                 | 37           | 71.7                 | 985  | 93.3  | 0.84            | 359                    | 90    |                                          |                                          |
| YE3VF280S-6                 | 45           | 85.8                 | 990  | 93.7  | 0.85            | 434                    | 92    |                                          |                                          |
| YE3VF280M-6                 | 55           | 103                  | 990  | 94.1  | 0.86            | 531                    | 92    |                                          |                                          |
| YE3VF315S-6                 | 75           | 143                  | 990  | 94.6  | 0.84            | 723                    | 94    |                                          |                                          |
| YE3VF315M-6                 | 90           | 170                  | 990  | 94.9  | 0.85            | 868                    | 94    |                                          |                                          |
| YE3VF315L1-6                | 110          | 207                  | 990  | 95.1  | 0.85            | 1061                   | 94    |                                          |                                          |
| YE3VF315L2-6                | 132          | 244                  | 990  | 95.4  | 0.86            | 1273                   | 94    |                                          |                                          |
| YE3VF315L3-6                | 160          | 296                  | 990  | 95.6  | 0.86            | 1543                   | 94    |                                          |                                          |
| YE3VF355M1-6                | 160          | 296                  | 990  | 95.6  | 0.86            | 1543                   | 96    |                                          |                                          |
| YE3VF355M-6                 | 185          | 342                  | 990  | 95.7  | 0.86            | 1785                   | 96    |                                          |                                          |
| YE3VF355M2-6                | 200          | 369                  | 990  | 95.8  | 0.86            | 1929                   | 96    |                                          |                                          |
| YE3VF355L1-6                | 220          | 406                  | 990  | 95.8  | 0.86            | 2122                   | 96    |                                          |                                          |
| YE3VF355L-6                 | 250          | 461                  | 990  | 95.8  | 0.86            | 2412                   | 96    |                                          |                                          |
| YE3VF355L2-6                | 280          | 516                  | 990  | 95.8  | 0.86            | 2701                   | 96    |                                          |                                          |
| YE3VF355L3-6                | 315          | 581                  | 995  | 95.8  | 0.86            | 3023                   | 96    |                                          |                                          |

## Performance Data

380V 50Hz

| Model                       | Output<br>kW | Rated<br>Ampere<br>A | RPM | Eff.% | Power<br>Factor | Rated<br>Torque<br>N.m | dB(A) | <u>Constant Torque</u><br>Frequency Range<br>Hz | <u>Constant Output</u><br>Frequency Range<br>Hz |
|-----------------------------|--------------|----------------------|-----|-------|-----------------|------------------------|-------|-------------------------------------------------|-------------------------------------------------|
| Synchronous speed 750r/min  |              |                      |     |       |                 |                        |       |                                                 |                                                 |
| YE3VF80M1-8                 | 0.18         | 0.8                  | 700 | 56.0  | 0.61            | 2.46                   | 61    | 5-50                                            | 50-100                                          |
| YE3VF80M2-8                 | 0.25         | 1.1                  | 700 | 59.0  | 0.61            | 3.41                   | 61    |                                                 |                                                 |
| YE3VF90S-8                  | 0.37         | 1.4                  | 695 | 66.0  | 0.61            | 5.08                   | 63    |                                                 |                                                 |
| YE3VF90L-8                  | 0.55         | 2.3                  | 695 | 70.0  | 0.61            | 7.56                   | 63    |                                                 |                                                 |
| YE3VF100L1-8                | 0.75         | 2.3                  | 705 | 73.5  | 0.67            | 10.2                   | 66    |                                                 |                                                 |
| YE3VF100L2-8                | 1.1          | 3.2                  | 705 | 76.5  | 0.69            | 14.9                   | 66    |                                                 |                                                 |
| YE3VF112M-8                 | 1.5          | 4.2                  | 715 | 77.5  | 0.70            | 20.0                   | 71    |                                                 |                                                 |
| YE3VF132S-8                 | 2.2          | 5.9                  | 730 | 80.0  | 0.71            | 28.8                   | 75    |                                                 |                                                 |
| YE3VF132M-8                 | 3            | 7.6                  | 730 | 82.5  | 0.73            | 39.2                   | 75    |                                                 |                                                 |
| YE3VF160M1-8                | 4            | 9.8                  | 725 | 85.0  | 0.73            | 52.7                   | 78    |                                                 |                                                 |
| YE3VF160M2-8                | 5.5          | 13.1                 | 725 | 86.0  | 0.74            | 72.4                   | 78    |                                                 |                                                 |
| YE3VF160L-8                 | 7.5          | 17.4                 | 730 | 87.5  | 0.75            | 98.1                   | 78    |                                                 |                                                 |
| YE3VF180L-8                 | 11           | 25.0                 | 725 | 89.0  | 0.75            | 145                    | 82    |                                                 |                                                 |
| YE3VF200L-8                 | 15           | 33.2                 | 730 | 90.4  | 0.76            | 196                    | 84    |                                                 |                                                 |
| YE3VF225S-8                 | 18.5         | 40.6                 | 735 | 91.2  | 0.76            | 240                    | 86    |                                                 |                                                 |
| YE3VF225M-8                 | 22           | 46.8                 | 735 | 91.5  | 0.78            | 286                    | 86    |                                                 |                                                 |
| YE3VF250M-8                 | 30           | 62.6                 | 735 | 92.2  | 0.79            | 390                    | 90    |                                                 |                                                 |
| YE3VF280S-8                 | 37           | 76.5                 | 740 | 93.0  | 0.79            | 478                    | 92    |                                                 |                                                 |
| YE3VF280M-8                 | 45           | 92.6                 | 740 | 93.5  | 0.79            | 581                    | 92    |                                                 |                                                 |
| YE3VF315S-8                 | 55           | 110                  | 740 | 93.8  | 0.81            | 710                    | 94    |                                                 |                                                 |
| YE3VF315M-8                 | 75           | 150                  | 740 | 94.0  | 0.81            | 968                    | 94    |                                                 |                                                 |
| YE3VF315L1-8                | 90           | 179                  | 740 | 94.5  | 0.81            | 1161                   | 94    |                                                 |                                                 |
| YE3VF315L2-8                | 110          | 215                  | 740 | 94.8  | 0.82            | 1420                   | 94    |                                                 |                                                 |
| YE3VF355M1-8                | 132          | 257                  | 745 | 95.0  | 0.82            | 1692                   | 96    |                                                 |                                                 |
| YE3VF355M2-8                | 160          | 312                  | 745 | 95.0  | 0.82            | 2051                   | 96    |                                                 |                                                 |
| YE3VF355L1-8                | 185          | 360                  | 745 | 95.2  | 0.82            | 2371                   | 96    |                                                 |                                                 |
| YE3VF355L-8                 | 200          | 389                  | 745 | 95.2  | 0.82            | 2564                   | 96    |                                                 |                                                 |
| YE3VF355L2-8                | 220          | 428                  | 745 | 95.2  | 0.82            | 2820                   | 96    |                                                 |                                                 |
| YE3VF355L3-8                | 250          | 481                  | 745 | 95.2  | 0.83            | 3205                   | 96    |                                                 |                                                 |
| Synchronous speed 600 r/min |              |                      |     |       |                 |                        |       |                                                 |                                                 |
| YE3VF315S-10                | 45           | 99.1                 | 590 | 92.0  | 0.75            | 728                    | 92    | 5-50                                            | 50-100                                          |
| YE3VF315M-10                | 55           | 120                  | 590 | 92.5  | 0.75            | 890                    | 92    |                                                 |                                                 |
| YE3VF315L1-10               | 75           | 161                  | 590 | 93.0  | 0.76            | 1214                   | 92    |                                                 |                                                 |
| YE3VF315L2-10               | 90           | 190                  | 590 | 93.4  | 0.77            | 1457                   | 92    |                                                 |                                                 |
| YE3VF355M1-10               | 110          | 228                  | 595 | 93.8  | 0.78            | 1766                   | 94    |                                                 |                                                 |
| YE3VF355M2-10               | 132          | 273                  | 595 | 94.2  | 0.78            | 2119                   | 94    |                                                 |                                                 |
| YE3VF355L1-10               | 160          | 331                  | 595 | 94.2  | 0.78            | 2568                   | 94    |                                                 |                                                 |

## Performance Data

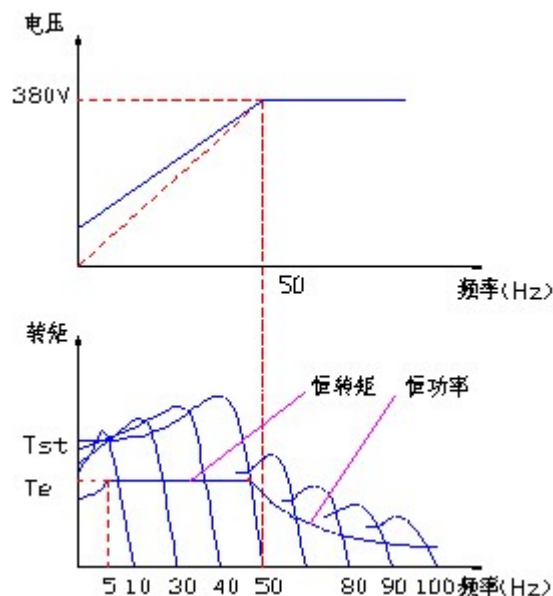
380V

50Hz

| Model                      | Output<br>kW | Rated<br>Ampere<br>A | RPM | Eff.% | Power<br>Factor | Rated<br>Torque<br>N.m | dB(A) | Constant Torque<br>Frequency Range<br>Hz | Constant Output<br>Frequency Range<br>Hz |
|----------------------------|--------------|----------------------|-----|-------|-----------------|------------------------|-------|------------------------------------------|------------------------------------------|
| Synchronous speed 600r/min |              |                      |     |       |                 |                        |       |                                          |                                          |
| YE3VF355L-10               | 185          | 383                  | 595 | 94.2  | 0.78            | 2969                   | 94    | 5-50                                     | 50-100                                   |
| YE3VF355L2-10              | 200          | 414                  | 595 | 94.2  | 0.78            | 3210                   | 94    |                                          |                                          |
| YE3VF355L3-10              | 220          | 455                  | 595 | 94.2  | 0.78            | 3531                   | 94    |                                          |                                          |

The torque characteristic under the condition of V/f control

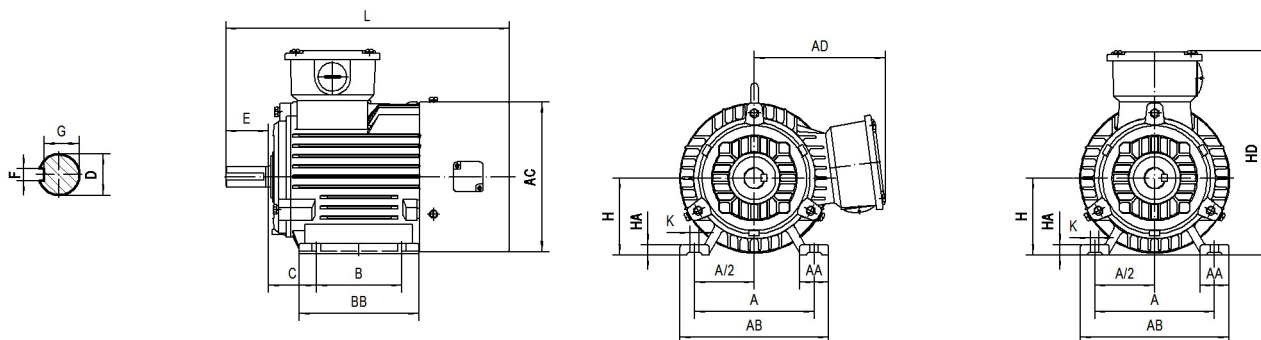
The voltage needs to be compensated to increase the torque at low frequency when the motor is operated under the condition of V/f control with constant torque output.



## Dimensions &amp; Mounting

## B3 (Horizontal Foot Mounted Only)

mm



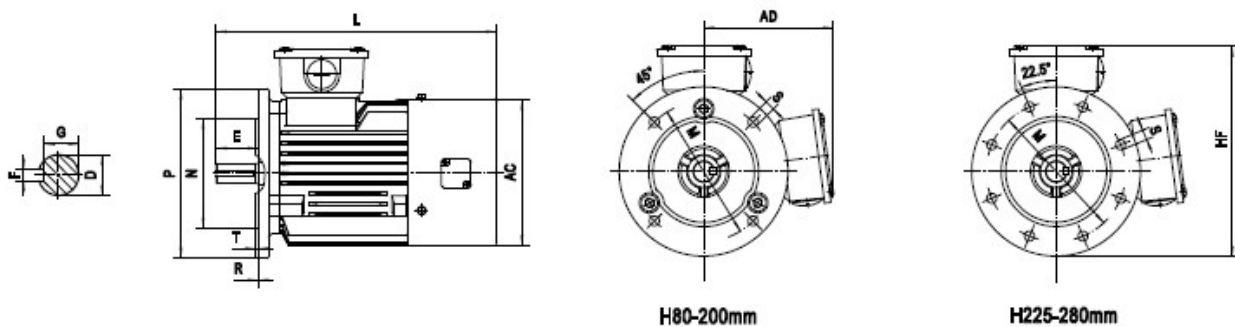
| Frame | Poles   | Mounting Dimension |     |     |    |     |    |      |     |    | Overall Dimension |     |    |     |     |     |     |     |
|-------|---------|--------------------|-----|-----|----|-----|----|------|-----|----|-------------------|-----|----|-----|-----|-----|-----|-----|
|       |         | A                  | B   | C   | D  | E   | F  | G    | H   | K  | AA                | BB  | HA | AB  | AC  | AD  | HD  | L   |
| 80M   | 2,4,6,8 | 125                | 100 | 50  | 19 | 40  | 6  | 15.5 | 80  | 10 | 32                | 135 | 10 | 160 | 165 | 145 | 225 | 355 |
| 90S   | 2,4,6,8 | 140                | 100 | 56  | 24 | 50  | 8  | 20   | 90  | 10 | 34                | 145 | 12 | 180 | 180 | 165 | 255 | 410 |
| 90L   |         |                    | 125 |     |    |     |    |      |     |    |                   | 170 |    |     |     |     |     | 450 |
| 100L  | 2,4,6,8 | 160                | 140 | 63  | 28 | 60  | 8  | 24   | 100 | 12 | 39                | 186 | 14 | 200 | 205 | 175 | 275 | 460 |
| 112M  | 2,6,8   | 190                | 140 | 70  | 28 | 60  | 8  | 24   | 112 | 12 | 45                | 200 | 14 | 230 | 225 | 190 | 300 | 485 |
|       | 4       |                    |     |     |    |     |    |      |     |    |                   | 230 |    |     |     |     |     | 515 |
| 132S  | 2,4,6,8 | 216                | 140 | 89  | 38 | 80  | 10 | 33   | 132 | 12 | 55                | 190 | 18 | 265 | 270 | 220 | 350 | 565 |
| 132M  |         |                    | 178 |     |    |     |    |      |     |    |                   | 230 |    |     |     |     |     | 605 |
| 160M  | 2,4,6,8 | 254                | 210 | 108 | 42 | 110 | 12 | 37   | 160 | 15 | 65                | 260 | 20 | 315 | 320 | 260 | 420 | 700 |
| 160L  |         |                    | 254 |     |    |     |    |      |     |    |                   | 304 |    |     |     |     |     | 745 |

|          |          |     |     |     |     |     |     |      |     |    |     |      |    |     |     |     |      |      |      |
|----------|----------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|------|----|-----|-----|-----|------|------|------|
| 180M     | 2,4,6,8  | 279 | 241 | 121 | 48  | 110 | 14  | 425  | 180 | 15 | 70  | 311  | 22 | 355 | 360 | 265 | 445  | 795  |      |
| 180L     |          |     | 279 |     |     |     |     |      |     |    |     | 835  |    |     |     |     |      |      |      |
| 200L     | 2,4,6,8  | 318 | 305 | 133 | 55  | 110 | 16  | 49   | 200 | 19 | 74  | 379  | 26 | 395 | 400 | 305 | 505  | 870  |      |
| 225S     | 4,8      | 356 | 286 | 149 | 60  | 140 | 18  | 53   | 225 | 19 | 78  | 375  | 28 | 435 | 450 | 325 | 550  | 895  |      |
| 225M     | 2        |     | 311 |     | 55  | 110 | 16  | 49   |     |    |     | 400  |    |     |     |     |      | 890  |      |
|          | 4, 6, 8  |     |     |     | 60  | 140 | 18  | 53   |     |    |     |      |    |     |     |     |      | 925  |      |
| 250M     | 2        | 406 | 349 | 168 | 60  | 140 | 18  | 53   | 250 | 24 | 80  | 445  | 30 | 490 | 510 | 380 | 630  | 1005 |      |
|          | 4, 6, 8  |     |     |     | 65  |     |     | 58   |     |    |     |      |    |     |     |     |      |      |      |
| 280S     | 2        | 457 | 368 | 190 | 65  | 140 | 18  | 58   | 280 | 24 | 90  | 485  | 35 | 545 | 550 | 395 | 675  | 1085 |      |
|          | 4, 6, 8  |     |     |     | 75  |     | 20  | 67.5 |     |    |     |      |    |     |     |     |      |      | 536  |
| 280M     | 2        |     | 419 |     | 65  |     | 18  | 58   |     |    |     | 1135 |    |     |     |     |      |      |      |
|          | 4, 6, 8  |     |     |     | 75  |     | 20  | 67.5 |     |    |     |      |    |     |     |     |      |      |      |
| 315S     | 2        | 508 | 406 | 216 | 65  | 140 | 18  | 58   | 315 | 28 | 120 | 570  | 45 | 635 | 630 | 540 | 855  | 1285 |      |
|          | 4,6,8,10 |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1315 |      |
| 315M     | 2        |     | 457 |     | 65  | 140 | 18  | 58   |     |    |     | 610  |    |     |     |     |      | 1320 |      |
|          | 4,6,8,10 |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1350 |      |
| 315L     | 2        |     | 508 |     | 508 | 65  | 140 | 18   |     |    |     | 58   |    |     |     |     |      | 680  | 1395 |
|          | 4,6,8,10 |     |     |     |     | 80  | 170 | 22   |     |    |     | 71   |    |     |     |     |      |      | 1425 |
| 355M     | 2        | 610 | 560 | 254 | 75  | 140 | 20  | 67.5 | 355 | 28 | 130 | 690  | 52 | 735 | 715 | 645 | 1000 | 1500 |      |
|          | 4,6,8,10 |     |     |     | 95  | 170 | 25  | 86   |     |    |     |      |    |     |     |     |      | 1530 |      |
| 355L/L1  | 2        |     | 630 |     | 75  | 140 | 20  | 67.5 |     |    |     | 750  |    |     |     |     |      | 1610 |      |
|          | 4,6,8,10 |     |     |     | 95  | 170 | 25  | 86   |     |    |     |      |    |     |     |     |      | 1640 |      |
| 355L2/L3 | 2        |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1640 |      |
|          | 4,6,8,10 |     |     |     | 110 | 210 | 28  | 100  |     |    |     |      |    |     |     |     |      | 1680 |      |

## Dimensions & Mounting

mm

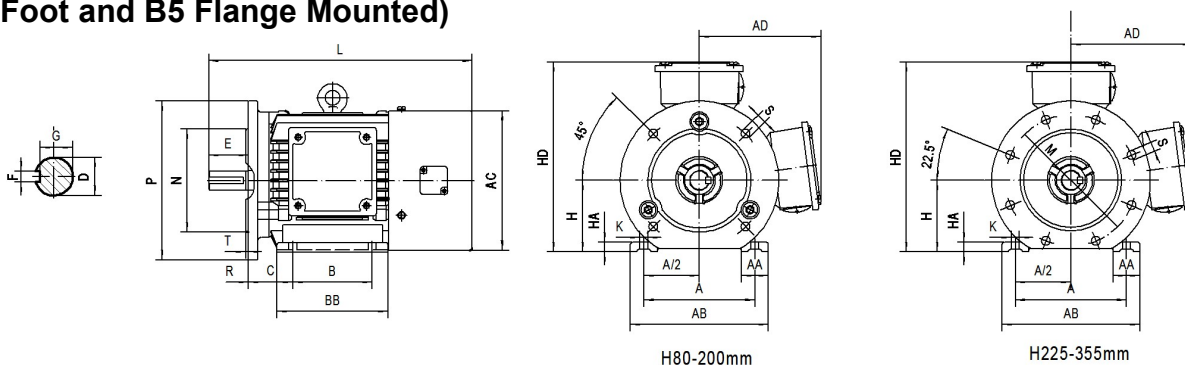
### B5 (Footless and B5 Flange Mounted)



| Frame | Poles   | Mounting Dimension |    |   |      |     |     |     |   |       |     | Overall Dimension |     |     |     |
|-------|---------|--------------------|----|---|------|-----|-----|-----|---|-------|-----|-------------------|-----|-----|-----|
|       |         | D                  | E  | F | G    | M   | N   | P   | R | S     | T   | AC                | AD  | HF  | L   |
| 80M   | 2,4,6,8 | 19                 | 40 | 6 | 15.5 | 165 | 130 | 200 | 0 | 4-Φ12 | 3.5 | 165               | 145 | 245 | 355 |
| 90S   | 2,4,6,8 | 24                 | 50 | 8 | 20   | 165 | 130 | 200 | 0 | 4-Φ12 | 3.5 | 180               | 165 | 265 | 410 |
| 90L   |         |                    |    |   |      |     |     |     |   |       |     |                   |     |     | 450 |
| 100L  | 2,4,6,8 | 28                 | 60 | 8 | 24   | 215 | 180 | 250 | 0 | 4-Φ15 | 4   | 205               | 175 | 300 | 460 |
| 112M  | 2,6,8   | 28                 | 60 | 8 | 24   | 215 | 180 | 250 | 0 | 4-Φ15 | 4   | 225               | 190 | 315 | 485 |
|       | 4       |                    |    |   |      |     |     |     |   |       |     |                   |     |     | 515 |

|      |         |    |     |    |      |     |     |     |   |       |   |     |     |     |      |
|------|---------|----|-----|----|------|-----|-----|-----|---|-------|---|-----|-----|-----|------|
| 132S | 2,4,6,8 | 38 | 80  | 10 | 33   | 265 | 230 | 300 | 0 | 4-Φ15 | 4 | 270 | 220 | 370 | 565  |
| 132M |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 605  |
| 160M | 2,4,6,8 | 42 | 110 | 12 | 37   | 300 | 250 | 350 | 0 | 4-Φ19 | 5 | 320 | 260 | 435 | 700  |
| 160L |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 745  |
| 180M | 2,4,6,8 | 48 | 110 | 14 | 42.5 | 300 | 250 | 350 | 0 | 4-Φ19 | 5 | 360 | 265 | 440 | 795  |
| 180L |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 835  |
| 200L | 2,4,6,8 | 55 | 110 | 16 | 49   | 350 | 300 | 400 | 0 | 4-Φ19 | 5 | 400 | 305 | 505 | 870  |
| 225S | 4,8     | 60 | 140 | 18 | 53   | 400 | 350 | 450 | 0 | 8-Φ19 | 5 | 450 | 325 | 550 | 895  |
| 225M | 2       | 55 | 110 | 16 | 49   |     |     |     |   |       |   |     |     |     | 890  |
|      | 4,6,8   | 60 | 140 | 18 | 53   |     |     |     |   |       |   |     |     |     | 925  |
| 250M | 2       | 60 | 140 | 18 | 53   | 500 | 450 | 550 | 0 | 8-Φ19 | 5 | 510 | 380 | 655 | 1005 |
|      | 4,6,8   | 65 |     |    | 58   |     |     |     |   |       |   |     |     |     |      |
| 280S | 2       | 65 | 140 | 18 | 58   | 500 | 450 | 550 | 0 | 8-Φ19 | 5 | 550 | 395 | 670 | 1085 |
|      | 4,6,8   | 75 |     | 20 | 67.5 |     |     |     |   |       |   |     |     |     |      |
| 280M | 2       | 65 |     | 18 | 58   |     |     |     |   |       |   |     |     |     | 1135 |
|      | 4,6,8   | 75 |     | 20 | 67.5 |     |     |     |   |       |   |     |     |     |      |

### B35 (Foot and B5 Flange Mounted)



| Frame | Poles   | Mounting Dimension |     |     |    |     |    |      |     |    |     |     |     |   |        |     | Overall Dimension |     |    |     |     |     |     |     |  |  |  |  |  |  |
|-------|---------|--------------------|-----|-----|----|-----|----|------|-----|----|-----|-----|-----|---|--------|-----|-------------------|-----|----|-----|-----|-----|-----|-----|--|--|--|--|--|--|
|       |         | A                  | B   | C   | D  | E   | F  | G    | H   | K  | M   | N   | P   | R | S      | T   | AA                | BB  | HA | AB  | AC  | AD  | HD  | L   |  |  |  |  |  |  |
| 80M   | 2,4,6,8 | 125                | 100 | 50  | 19 | 40  | 6  | 15.5 | 80  | 10 | 165 | 130 | 200 | 0 | 4-Φ 12 | 3.5 | 32                | 135 | 10 | 160 | 165 | 145 | 225 | 355 |  |  |  |  |  |  |
| 90S   | 2,4,6,8 | 140                | 100 | 56  | 24 | 50  | 8  | 20   | 90  | 10 | 165 | 130 | 200 | 0 | 4-Φ 12 | 3.5 | 34                | 145 | 12 | 180 | 180 | 165 | 255 | 410 |  |  |  |  |  |  |
| 90L   |         |                    | 125 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 170 |    |     |     |     |     | 450 |  |  |  |  |  |  |
| 100L  | 2,4,6,8 | 160                | 140 | 63  | 28 | 60  | 8  | 24   | 100 | 12 | 215 | 180 | 250 | 0 | 4-Φ 15 | 4   | 39                | 186 | 14 | 200 | 205 | 175 | 275 | 460 |  |  |  |  |  |  |
| 112M  | 2,6,8   | 190                | 140 | 70  | 28 | 60  | 8  | 24   | 112 | 12 | 215 | 180 | 250 | 0 | 4-Φ 15 | 4   | 45                | 200 |    | 230 | 225 | 190 | 300 | 485 |  |  |  |  |  |  |
|       | 4       |                    |     |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 230 |    |     |     |     |     | 515 |  |  |  |  |  |  |
| 132S  | 2,4,6,8 | 216                | 140 | 89  | 38 | 80  | 10 | 33   | 132 | 12 | 265 | 230 | 300 | 0 | 4-Φ 15 | 4   | 55                | 190 | 18 | 265 | 270 | 220 | 350 | 565 |  |  |  |  |  |  |
| 132M  |         |                    | 178 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 230 |    |     |     |     |     | 605 |  |  |  |  |  |  |
| 160M  | 2,4,6,8 | 254                | 210 | 108 | 42 | 110 | 12 | 37   | 160 | 15 | 300 | 250 | 350 | 0 | 4-Φ 19 | 5   | 65                | 260 | 20 | 315 | 320 | 260 | 420 | 700 |  |  |  |  |  |  |
| 160L  |         |                    | 254 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 304 |    |     |     |     |     | 745 |  |  |  |  |  |  |
| 180M  | 2,4,6,8 | 279                | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 15 | 300 | 250 | 350 | 0 | 4-Φ 19 | 5   | 70                | 311 | 22 | 355 | 360 | 265 | 445 | 795 |  |  |  |  |  |  |
| 180L  |         |                    | 279 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 349 |    |     |     |     |     | 835 |  |  |  |  |  |  |
| 200L  | 2,4,6,8 | 318                | 305 | 133 | 55 | 110 | 16 | 49   | 200 | 19 | 350 | 300 | 400 | 0 | 4-Φ 19 | 5   | 74                | 379 | 26 | 395 | 400 | 305 | 505 | 870 |  |  |  |  |  |  |
| 225S  | 4,8     | 356                | 286 | 149 | 60 | 140 | 18 | 53   | 225 | 19 | 400 | 350 | 450 | 0 | 8-Φ 19 | 5   | 78                | 375 | 28 | 435 | 450 | 325 | 550 | 895 |  |  |  |  |  |  |
| 225M  | 2       |                    | 311 |     | 55 | 110 | 16 | 49   |     |    |     |     |     |   |        |     |                   | 400 |    |     |     |     |     | 890 |  |  |  |  |  |  |
|       | 4, 6,8  |                    |     |     | 60 | 140 | 18 | 53   |     |    |     |     |     |   |        |     |                   |     |    |     |     |     |     | 925 |  |  |  |  |  |  |

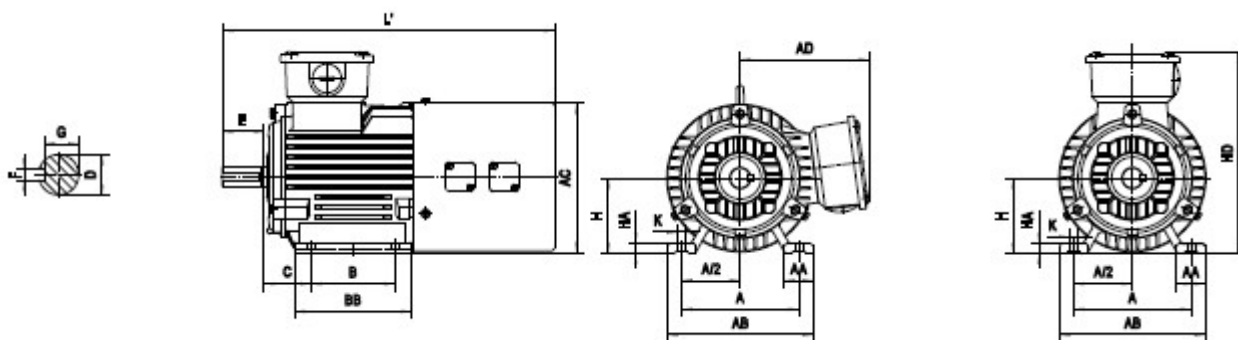


|          |          |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|----------|----------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|--------|-----|--------|--------|-----|------|-----|-----|------|------|------|------|------|------|-----|-----|-----|--------|---|--------|-----|----|-----|-----|-----|------|------|-----|------|
| 250M     | 2        | 406 | 349 | 168 | 60  | 140 | 18  | 53   | 250  | 24  | 500 | 450 | 550    | 0   | 8-Φ 19 | 5      | 80  | 445  | 30  | 490 | 510  | 380  | 630  | 1005 |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4, 6, 8  |     |     |     | 65  |     |     | 58   |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 280S     | 2        | 457 | 368 | 190 | 65  | 140 |     | 20   | 67.5 | 280 | 24  | 500 | 450    | 550 | 0      | 8-Φ 19 | 5   | 90   | 485 | 35  | 545  | 550  | 395  | 675  | 1085 |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4, 6, 8  |     |     |     | 75  |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      | 18   | 58  |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 280M     | 2        |     |     |     | 419 |     | 75  | 20   | 67.5 |     |     |     |        |     |        |        |     |      | 18  |     |      |      |      |      | 58   | 280  | 24  | 500 | 450 | 550    | 0 | 8-Φ 19 | 5   | 90 | 536 | 35  | 545 | 550  | 395  | 675 | 1135 |
|          | 4, 6, 8  |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 315S     | 2        | 508 | 406 | 216 | 65  | 140 | 18  | 58   | 315  | 28  | 600 | 550 | 660    | 0   | 8-Φ 24 | 6      | 120 | 570  | 45  | 635 | 630  | 540  | 855  | 1285 |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4,6,8,10 |     |     |     | 80  | 170 | 22  | 71   |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      | 1315 |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 315M     | 2        |     |     |     | 457 | 65  | 140 | 18   |      |     |     |     |        |     |        |        |     | 58   |     |     |      |      |      | 315  | 28   | 600  | 550 | 660 | 0   | 8-Φ 24 | 6 | 120    | 610 | 45 | 635 | 630 | 540 | 855  | 1320 |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      | 80   | 170 | 22   |
| 315L     | 2        | 508 | 65  | 140 | 18  | 58  | 315 | 28   | 600  | 550 | 660 | 0   | 8-Φ 24 | 6   | 120    | 610    | 45  | 635  | 630 | 540 | 855  | 1395 |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      | 80   | 170  | 22   | 71   | 1425 |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 355M     | 2        | 610 | 560 | 254 | 75  | 140 | 20  | 67.5 | 355  | 28  | 740 | 680 | 800    | 0   | 8-Φ 24 | 6      | 130 | 690  | 52  | 735 | 715  | 645  | 1000 | 1500 |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4,6,8,10 |     |     |     | 95  | 170 | 25  | 86   |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      | 1530 |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
| 355L/L1  | 2        |     |     |     | 630 | 75  | 140 | 20   |      |     |     |     |        |     |        |        |     | 67.5 |     |     |      |      |      | 355  | 28   | 740  | 680 | 800 | 0   | 8-Φ 24 | 6 | 130    | 750 | 52 | 735 | 715 | 645 | 1000 | 1610 |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      |      |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      | 95   | 170 | 25   |
| 355L2/L3 | 2        | 630 | 80  | 170 | 22  | 71  | 355 | 28   | 740  | 680 | 800 | 0   | 8-Φ 24 | 6   | 130    | 750    | 52  | 735  | 715 | 645 | 1000 | 1640 |      |      |      |      |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     |      |      |     |     |     |        |     |        |        |     |      |     |     |      | 110  | 210  | 28   | 100  | 1680 |     |     |     |        |   |        |     |    |     |     |     |      |      |     |      |

Above dimensions are the maximum values. Specifications are subject to the physical product.

YE3VF motor can also be equipped with an encoder according to the customer's requirements. The external dimensions as follows:

### B3 (Horizontal Foot Mounted Only)



| Frame | Poles      | Mounting Dimension |     |     |    |     |    |     |     |    | Overall Dimension |     |    |     |     |     |     |     |
|-------|------------|--------------------|-----|-----|----|-----|----|-----|-----|----|-------------------|-----|----|-----|-----|-----|-----|-----|
|       |            | A                  | B   | C   | D  | E   | F  | G   | H   | K  | AA                | BB  | HA | AB  | AC  | AD  | HD  | L'  |
| 80M   | 2, 4, 6, 8 | 125                | 100 | 50  | 19 | 40  | 6  | 155 | 80  | 10 | 32                | 135 | 10 | 160 | 165 | 145 | 225 | 465 |
| 90S   | 2, 4, 6, 8 | 140                | 100 | 56  | 24 | 50  | 8  | 20  | 90  | 10 | 34                | 145 | 12 | 180 | 180 | 165 | 255 | 525 |
| 90L   |            |                    | 125 |     |    |     |    |     |     |    |                   | 170 |    |     |     |     |     | 565 |
| 100L  | 2, 4, 6, 8 | 160                | 140 | 63  | 28 | 60  | 8  | 24  | 100 | 12 | 39                | 186 | 14 | 200 | 205 | 175 | 275 | 565 |
| 112M  | 2, 6, 8    | 190                | 140 | 70  | 28 | 60  | 8  | 24  | 112 | 12 | 45                | 200 | 14 | 230 | 225 | 190 | 300 | 600 |
|       | 4          |                    |     |     |    |     |    |     |     |    |                   | 230 |    |     |     |     |     | 630 |
| 132S  | 2, 4, 6, 8 | 216                | 140 | 89  | 38 | 80  | 10 | 33  | 132 | 12 | 55                | 190 | 18 | 265 | 270 | 220 | 350 | 680 |
| 132M  |            |                    | 178 |     |    |     |    |     |     |    |                   | 230 |    |     |     |     |     | 720 |
| 160M  | 2, 4, 6, 8 | 254                | 210 | 108 | 42 | 110 | 12 | 37  | 160 | 15 | 65                | 260 | 20 | 315 | 320 | 260 | 420 | 810 |
| 160L  |            |                    | 254 |     |    |     |    |     |     |    |                   | 304 |    |     |     |     |     | 855 |

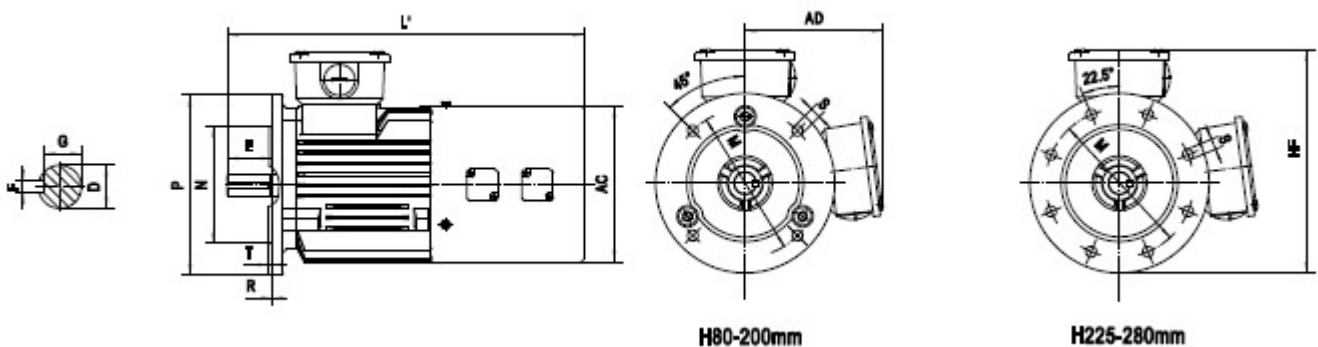


|          |          |     |     |     |     |     |     |      |     |    |     |      |    |     |     |     |      |      |      |
|----------|----------|-----|-----|-----|-----|-----|-----|------|-----|----|-----|------|----|-----|-----|-----|------|------|------|
| 180M     | 2,4,6,8  | 279 | 241 | 121 | 48  | 110 | 14  | 425  | 180 | 15 | 70  | 311  | 22 | 355 | 360 | 265 | 445  | 925  |      |
| 180L     |          |     | 279 |     |     |     |     |      |     |    |     | 349  |    |     |     |     |      | 965  |      |
| 200L     | 2,4,6,8  | 318 | 305 | 133 | 55  | 110 | 16  | 49   | 200 | 19 | 74  | 379  | 26 | 395 | 400 | 305 | 505  | 980  |      |
| 225S     | 4,8      | 356 | 286 | 149 | 60  | 140 | 18  | 53   | 225 | 19 | 78  | 375  | 28 | 435 | 450 | 325 | 550  | 1005 |      |
| 225M     | 2        |     | 311 |     | 55  | 110 | 16  | 49   |     |    |     | 400  |    |     |     |     |      | 1000 |      |
|          | 4, 6, 8  |     |     |     | 60  | 140 | 18  | 53   |     |    |     |      |    |     |     |     |      | 1035 |      |
| 250M     | 2        | 406 | 349 | 168 | 60  | 140 | 18  | 53   | 250 | 24 | 80  | 445  | 30 | 490 | 510 | 380 | 630  | 1115 |      |
|          | 4, 6, 8  |     |     |     | 65  |     |     | 58   |     |    |     |      |    |     |     |     |      |      |      |
| 280S     | 2        | 457 | 368 | 190 | 65  | 140 | 18  | 58   | 280 | 24 | 90  | 485  | 35 | 545 | 550 | 395 | 675  | 1195 |      |
|          | 4, 6, 8  |     |     |     | 75  |     | 20  | 67.5 |     |    |     |      |    |     |     |     |      |      | 536  |
| 280M     | 2        |     | 419 |     | 65  |     | 18  | 58   |     |    |     | 1245 |    |     |     |     |      |      |      |
|          | 4, 6, 8  |     |     |     | 75  |     | 20  | 67.5 |     |    |     |      |    |     |     |     |      |      |      |
| 315S     | 2        | 508 | 406 | 216 | 65  | 140 | 18  | 58   | 315 | 28 | 120 | 570  | 45 | 635 | 630 | 540 | 855  | 1400 |      |
|          | 4,6,8,10 |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1430 |      |
| 315M     | 2        |     | 457 |     | 65  | 140 | 18  | 58   |     |    |     | 610  |    |     |     |     |      | 1435 |      |
|          | 4,6,8,10 |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1465 |      |
| 315L     | 2        |     | 508 |     | 508 | 65  | 140 | 18   |     |    |     | 58   |    |     |     |     |      | 680  | 1510 |
|          | 4,6,8,10 |     |     |     |     | 80  | 170 | 22   |     |    |     | 71   |    |     |     |     |      |      | 1540 |
| 355M     | 2        | 610 | 560 | 254 | 75  | 140 | 20  | 67.5 | 355 | 28 | 130 | 690  | 52 | 735 | 715 | 645 | 1000 | 1615 |      |
|          | 4,6,8,10 |     |     |     | 95  | 170 | 25  | 86   |     |    |     |      |    |     |     |     |      | 1645 |      |
| 355L/L1  | 2        |     | 630 |     | 75  | 140 | 20  | 67.5 |     |    |     | 750  |    |     |     |     |      | 1725 |      |
|          | 4,6,8,10 |     |     |     | 95  | 170 | 25  | 86   |     |    |     |      |    |     |     |     |      | 1755 |      |
| 355L2/L3 | 2        |     |     |     | 80  | 170 | 22  | 71   |     |    |     |      |    |     |     |     |      | 1755 |      |
|          | 4,6,8,10 |     |     |     | 110 | 210 | 28  | 100  |     |    |     |      |    |     |     |     |      | 1795 |      |

## Dimensions & Mounting

mm

### B5 (Footless and B5 Flange Mounted)



H80-200mm

H225-280mm

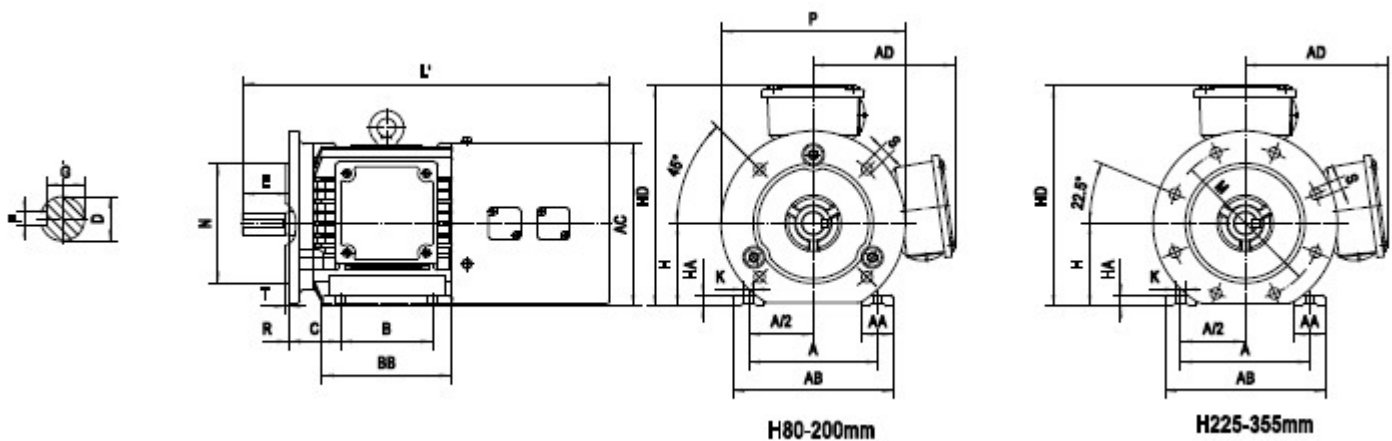
| Frame | Poles   | Mounting Dimension |    |   |      |     |     |     |   |       |     | Overall Dimension |     |     |     |
|-------|---------|--------------------|----|---|------|-----|-----|-----|---|-------|-----|-------------------|-----|-----|-----|
|       |         | D                  | E  | F | G    | M   | N   | P   | R | S     | T   | AC                | AD  | HF  | L'  |
| 80M   | 2,4,6,8 | 19                 | 40 | 6 | 15.5 | 165 | 130 | 200 | 0 | 4-Φ12 | 3.5 | 165               | 145 | 245 | 465 |
| 90S   | 2,4,6,8 | 24                 | 50 | 8 | 20   | 165 | 130 | 200 | 0 | 4-Φ12 | 3.5 | 180               | 165 | 265 | 525 |
| 90L   |         |                    |    |   |      |     |     |     |   |       |     |                   |     |     | 565 |
| 100L  | 2,4,6,8 | 28                 | 60 | 8 | 24   | 215 | 180 | 250 | 0 | 4-Φ15 | 4   | 205               | 175 | 300 | 565 |
| 112M  | 2,6,8   | 28                 | 60 | 8 | 24   | 215 | 180 | 250 | 0 | 4-Φ15 | 4   | 225               | 190 | 315 | 600 |

|      |         |    |     |    |      |     |     |     |   |       |   |     |     |     |      |
|------|---------|----|-----|----|------|-----|-----|-----|---|-------|---|-----|-----|-----|------|
|      | 4       |    |     |    |      |     |     |     |   |       |   |     |     |     | 630  |
| 132S | 2,4,6,8 | 38 | 80  | 10 | 33   | 265 | 230 | 300 | 0 | 4-Φ15 | 4 | 270 | 220 | 370 | 680  |
| 132M |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 720  |
| 160M | 2,4,6,8 | 42 | 110 | 12 | 37   | 300 | 250 | 350 | 0 | 4-Φ19 | 5 | 320 | 260 | 435 | 810  |
| 160L |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 855  |
| 180M | 2,4,6,8 | 48 | 110 | 14 | 42.5 | 300 | 250 | 350 | 0 | 4-Φ19 | 5 | 360 | 265 | 440 | 925  |
| 180L |         |    |     |    |      |     |     |     |   |       |   |     |     |     | 965  |
| 200L | 2,4,6,8 | 55 | 110 | 16 | 49   | 350 | 300 | 400 | 0 | 4-Φ19 | 5 | 400 | 305 | 505 | 980  |
| 225S | 4,8     | 60 | 140 | 18 | 53   | 400 | 350 | 450 | 0 | 8-Φ19 | 5 | 450 | 325 | 550 | 1005 |
| 225M | 2       | 55 | 110 | 16 | 49   |     |     |     |   |       |   |     |     |     | 1000 |
|      | 4,6,8   | 60 | 140 | 18 | 53   |     |     |     |   |       |   |     |     |     | 1035 |
| 250M | 2       | 60 | 140 | 18 | 53   | 500 | 450 | 550 | 0 | 8-Φ19 | 5 | 510 | 380 | 655 | 1115 |
|      | 4,6,8   | 65 |     |    | 58   |     |     |     |   |       |   |     |     |     |      |
| 280S | 2       | 65 | 140 | 18 | 58   | 500 | 450 | 550 | 0 | 8-Φ19 | 5 | 550 | 395 | 670 | 1195 |
|      | 4,6,8   | 75 |     | 20 | 67.5 |     |     |     |   |       |   |     |     |     |      |
| 280M | 2       | 65 |     | 18 | 58   |     |     |     |   |       |   |     |     |     | 1245 |
|      | 4,6,8   | 75 |     | 20 | 67.5 |     |     |     |   |       |   |     |     |     |      |

## Dimensions & Mounting

### B35 (Foot and B5 Flange Mounted)

mm



| Frame | Poles   | Mounting Dimension |     |     |    |     |    |      |     |    |     |     |     |   |        |     | Overall Dimension |     |    |     |     |     |     |     |  |
|-------|---------|--------------------|-----|-----|----|-----|----|------|-----|----|-----|-----|-----|---|--------|-----|-------------------|-----|----|-----|-----|-----|-----|-----|--|
|       |         | A                  | B   | C   | D  | E   | F  | G    | H   | K  | M   | N   | P   | R | S      | T   | AA                | BB  | HA | AB  | AC  | AD  | HD  | L'  |  |
| 80M   | 2,4,6,8 | 125                | 100 | 50  | 19 | 40  | 6  | 15.5 | 80  | 10 | 165 | 130 | 200 | 0 | 4-Φ 12 | 3.5 | 32                | 135 | 10 | 160 | 165 | 145 | 225 | 465 |  |
| 90S   | 2,4,6,8 | 140                | 100 | 56  | 24 | 50  | 8  | 20   | 90  | 10 | 165 | 130 | 200 | 0 | 4-Φ 12 | 3.5 | 34                | 145 | 12 | 180 | 180 | 165 | 255 | 525 |  |
| 90L   |         |                    | 125 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 170 |    |     |     |     |     | 565 |  |
| 100L  | 2,4,6,8 | 160                | 140 | 63  | 28 | 60  | 8  | 24   | 100 | 12 | 215 | 180 | 250 | 0 | 4-Φ 15 | 4   | 39                | 186 | 14 | 200 | 205 | 175 | 275 | 565 |  |
| 112M  | 2,6,8   | 190                | 140 | 70  | 28 | 60  | 8  | 24   | 112 | 12 | 215 | 180 | 250 | 0 | 4-Φ 15 | 4   | 45                | 200 |    | 230 | 225 | 190 | 300 | 600 |  |
|       | 4       |                    |     |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 230 |    |     |     |     |     | 630 |  |
| 132S  | 2,4,6,8 | 216                | 140 | 89  | 38 | 80  | 10 | 33   | 132 | 12 | 265 | 230 | 300 | 0 | 4-Φ 15 | 4   | 55                | 190 | 18 | 265 | 270 | 220 | 350 | 680 |  |
| 132M  |         |                    | 178 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 230 |    |     |     |     |     | 720 |  |
| 160M  | 2,4,6,8 | 254                | 210 | 108 | 42 | 110 | 12 | 37   | 160 | 15 | 300 | 250 | 350 | 0 | 4-Φ 19 | 5   | 65                | 260 | 20 | 315 | 320 | 260 | 420 | 810 |  |
| 160L  |         |                    | 254 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 304 |    |     |     |     |     | 855 |  |
| 180M  | 2,4,6,8 | 279                | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 15 | 300 | 250 | 350 | 0 | 4-Φ 19 | 5   | 70                | 311 | 22 | 355 | 360 | 265 | 445 | 925 |  |
| 180L  |         |                    | 279 |     |    |     |    |      |     |    |     |     |     |   |        |     |                   | 349 |    |     |     |     |     | 965 |  |

|          |          |     |     |     |     |     |     |      |     |     |      |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
|----------|----------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|------|-----|----|--------|-----|-----|-----|--------|-----|-----|-----|-----|------|-----|-----|-----|-----|--------|-----|-----|--------|--------|-----|-----|-----|------|------|-----|-----|------|------|-----|-----|-----|-----|------|
| 200L     | 2,4,6,8  | 318 | 305 | 133 | 55  | 110 | 16  | 49   | 200 | 19  | 350  | 300  | 400 | 0  | 4-Φ 19 | 5   | 74  | 379 | 26     | 395 | 400 | 305 | 505 | 980  |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
| 225S     | 4,8      | 356 | 286 | 149 | 60  | 140 | 18  | 53   | 225 | 19  | 400  | 350  | 450 | 0  | 8-Φ 19 | 5   | 78  | 375 | 28     | 435 | 450 | 325 | 550 | 1005 |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
| 225M     | 2        |     | 311 |     | 55  | 110 | 16  | 49   |     |     |      |      |     |    |        |     |     | 400 |        |     |     |     |     | 28   | 435 | 450 | 325 | 550 | 1000   |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
|          | 4, 6, 8  |     |     |     | 60  | 140 | 53  | 1035 |     |     |      |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
| 250M     | 2        |     | 406 |     | 349 | 168 |     |      |     |     |      |      |     |    |        |     |     | 60  |        |     |     |     |     | 140  | 18  | 58  | 250 | 24  | 500    | 450 | 550 | 0      | 8-Φ 19 | 5   | 80  | 445 | 30   | 490  | 510 | 380 | 630  | 1115 |     |     |     |     |      |
|          | 4, 6, 8  | 65  |     | 58  |     |     |     |      |     |     |      |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
| 280S     | 2        | 457 |     |     |     |     | 368 | 190  | 65  | 140 | 20   | 67.5 | 280 | 24 | 500    | 450 | 550 | 0   | 8-Φ 19 | 5   | 90  | 485 | 35  |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      | 545 | 550 | 395 | 675 | 1195 |
|          | 4, 6, 8  |     |     |     |     |     |     |      | 75  |     |      |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     |      |
| 280M     | 2        |     | 419 |     |     | 65  |     |      | 140 |     |      |      |     |    |        |     |     |     |        |     |     |     |     | 18   | 58  | 280 | 24  | 500 | 450    | 550 | 0   | 8-Φ 19 | 5      | 90  | 536 | 35  | 545  | 550  | 395 | 675 | 1245 |      |     |     |     |     |      |
|          | 4, 6, 8  |     |     | 75  |     |     |     |      |     |     |      |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      | 1245 |     |     |     |     |      |
| 315S     | 2        | 508 |     | 406 |     |     | 216 | 65   |     | 140 | 18   | 58   | 315 | 28 | 600    | 550 | 660 | 0   | 8-Φ 24 | 6   | 120 | 570 | 45  |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      | 635 | 630 | 540 | 855 | 1400 |
|          | 4,6,8,10 |     |     |     |     |     |     | 80   |     | 170 | 22   | 71   |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      |      |     |     |     |     | 1430 |
| 315M     | 2        |     | 508 |     |     |     |     | 65   | 140 | 18  | 58   | 315  |     |    |        |     |     |     |        |     |     |     |     | 28   | 600 | 550 | 660 | 0   | 8-Φ 24 | 6   | 120 | 610    | 45     | 635 | 630 | 540 | 855  | 1435 |     |     |      |      |     |     |     |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     | 80   | 170 | 22  | 71   |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      | 1465 |     |     |      |      |     |     |     |     |      |
| 315L     | 2        | 508 |     |     |     |     |     | 65   | 140 | 18  | 58   |      | 315 | 28 | 600    | 550 | 660 | 0   | 8-Φ 24 | 6   | 120 | 680 | 45  |      |     |     |     |     |        |     |     |        |        |     |     |     |      | 635  | 630 | 540 | 855  | 1510 |     |     |     |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     | 80   | 170 | 22  | 71   |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      | 1540 |     |     |     |     |      |
| 355M     | 2        |     | 610 |     | 560 | 254 |     | 75   | 140 | 20  | 67.5 | 355  |     |    |        |     |     |     |        |     |     |     |     | 28   | 740 | 680 | 800 | 0   | 8-Φ 24 | 6   | 130 | 690    | 52     | 735 | 715 | 645 | 1000 |      |     |     |      | 1615 |     |     |     |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     | 95   | 170 | 25  | 86   |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      | 1645 |     |     |     |     |      |
| 355L/L1  | 2        | 630 |     |     |     |     |     | 75   | 140 | 20  | 67.5 |      | 355 | 28 | 740    | 680 | 800 | 0   | 8-Φ 24 | 6   | 130 | 750 | 52  |      |     |     |     |     |        |     |     |        |        |     |     |     |      | 735  | 715 | 645 | 1000 | 1725 |     |     |     |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     | 95   | 170 | 25  | 86   |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      | 1755 |     |     |     |     |      |
| 355L2/L3 | 2        |     | 630 |     |     |     |     | 80   | 170 | 22  | 71   | 355  |     |    |        |     |     |     |        |     |     |     |     | 28   | 740 | 680 | 800 | 0   | 8-Φ 24 | 6   | 130 | 750    | 52     | 735 | 715 | 645 | 1000 |      |     |     |      | 1755 |     |     |     |     |      |
|          | 4,6,8,10 |     |     |     |     |     |     | 110  | 210 | 28  | 100  |      |     |    |        |     |     |     |        |     |     |     |     |      |     |     |     |     |        |     |     |        |        |     |     |     |      |      |     |     |      | 1795 |     |     |     |     |      |

Above dimensions are the maximum values. Specifications are subject to the physical product.

### Specifications of cooling blower and brake for the motor

|             |                         |                                                                                |      |      |      |      |      |      |     |     |     |     |     |     |
|-------------|-------------------------|--------------------------------------------------------------------------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| Motor       | Frame                   | 80                                                                             | 90   | 100  | 112  | 132  | 160  | 180  | 200 | 225 | 250 | 280 | 315 | 355 |
| Cooling Fan | (W)<br>Power            | 30                                                                             | 42   | 52   | 55   | 55   | 80   | 80   | 150 | 200 | 230 | 320 | 700 | 700 |
|             | (A)<br>Current          | 0.09                                                                           | 0.16 | 0.18 | 0.18 | 0.19 | 0.26 | 0.30 | 0.6 | 0.6 | 0.6 | 1.1 | 1.8 | 1.9 |
|             | Voltage                 | Usually 380V, but can customize variety voltage according to user requirement. |      |      |      |      |      |      |     |     |     |     |     |     |
| Brake       | (N·m)<br>Braking Torque | 7.5                                                                            | 15   | 30   | 40   | 80   | 150  | 200  | 300 | 450 | 600 | 850 | 200 | -   |
|             | (W)<br>Excitation Power | 50                                                                             | 60   | 80   | 110  | 130  | 150  | 150  | 200 | 200 | 210 | 340 | 400 | -   |
|             | Excitation Voltage      | DC99、DC170                                                                     |      |      |      |      |      |      |     |     |     |     |     |     |
| Encoder     | Incremental Encoder     |                                                                                |      |      |      |      |      |      |     |     |     |     |     |     |

Conventional mounting type and suitable frame size are given in following table (with “√”);

| Frame   | basic type |    |     | derived type |    |    |    |    |    |    |     |     |     |     |     |
|---------|------------|----|-----|--------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|         | B3         | B5 | B35 | V1           | V3 | V5 | V6 | B6 | B7 | B8 | V15 | V36 | B14 | B34 | V18 |
| 80~112  | √          | √  | √   | √            | √  | √  | √  | √  | √  | √  | √   | √   | √   | √   | √   |
| 132~160 | √          | √  | √   | √            | √  | √  | √  | √  | √  | √  | √   | √   | -   | -   | -   |
| 180~280 | √          | √  | √   | √            | -  | -  | -  | -  | -  | -  | -   | -   | -   | -   | -   |
| 315~355 | √          | -  | √   | √            | -  | -  | -  | -  | -  | -  | -   | -   | -   | -   | -   |

If there is no other request in the order or agreement, terminal box position at the right side of the frame is regarded as standard; data above may be changed without prior notice.