



**Low Voltage 3-Phase** | **Range**  
**Induction Motors** | **0.18kW to 670kW**

**TOTALLY ENCLOSED FAN-COOLED CAST IRON FRAME SERIES**



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## Typical Performance Data



### TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

#### Standard Range 63 to 315 Frame (415V 50Hz)

| Output kW | Full Load Speed RPM | Frame Size | Efficiency    |              |              | Power Factor  |              |              | Current       |                  | Torque        |                   |              |                 | Inertia                                      |                                                 | Noise Level dB(A) | Weight Foot Mount Kgs |
|-----------|---------------------|------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------|---------------|-------------------|--------------|-----------------|----------------------------------------------|-------------------------------------------------|-------------------|-----------------------|
|           |                     |            | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (A) | Locked Rotor (%) | Full Load N-m | Locked Rotor %FLT | Pull Up %FLT | Break-Down %FLT | Rotor J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> | Max Load J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> |                   |                       |
| 0.18      | 2740                | 63         | 61.0          | 59.5         | 55.0         | 77.5          | 69.0         | 57.0         | 0.55          | 455              | 0.63          | 330               | 330          | 330             | 0.0005                                       | 0.022                                           | 52                | 9                     |
|           | 1350                | 63         | 63.5          | 63.0         | 58.0         | 70.0          | 61.0         | 49.0         | 0.58          | 431              | 1.27          | 240               | 230          | 260             | 0.0008                                       | 0.103                                           | 48                | 11                    |
|           | 910                 | 71         | 61.0          | 57.0         | 50.0         | 64.0          | 55.0         | 44.0         | 0.66          | 379              | 1.89          | 260               | 240          | 280             | 0.0018                                       | 0.175                                           | 45                | 12                    |
|           | 705                 | 80         | 52.0          | 48.0         | 39.0         | 47.0          | 41.0         | 34.0         | 1.06          | 302              | 2.44          | 360               | 350          | 370             | 0.0025                                       | 0.543                                           | 44                | 16                    |
| 0.37      | 2800                | 71         | 75.0          | 74.0         | 70.0         | 85.0          | 78.0         | 64.0         | 0.81          | 593              | 1.26          | 320               | 270          | 310             | 0.0008                                       | 0.043                                           | 54                | 12                    |
|           | 1405                | 71         | 74.5          | 73.0         | 68.5         | 69.5          | 60.5         | 48.0         | 1.00          | 530              | 2.51          | 325               | 270          | 305             | 0.0013                                       | 0.198                                           | 50                | 13                    |
|           | 920                 | 80         | 72.5          | 72.0         | 68.5         | 72.0          | 62.5         | 49.0         | 0.99          | 535              | 3.84          | 230               | 215          | 240             | 0.0025                                       | 0.338                                           | 49                | 18                    |
|           | 710                 | 90S        | 70.5          | 68.0         | 62.5         | 60.0          | 51.0         | 39.5         | 1.23          | 388              | 4.98          | 195               | 190          | 265             | 0.0045                                       | 1.04                                            | 49                | 22                    |
| 0.55      | 2780                | 71         | 73.0          | 72.0         | 68.0         | 83.0          | 75.0         | 62.0         | 1.28          | 563              | 1.89          | 300               | 260          | 280             | 0.0008                                       | 0.062                                           | 53                | 16                    |
|           | 1405                | 80         | 71.5          | 70.5         | 65.0         | 74.0          | 65.0         | 52.0         | 1.47          | 524              | 3.74          | 260               | 230          | 280             | 0.0018                                       | 0.291                                           | 48                | 18                    |
|           | 910                 | 80         | 68.0          | 68.0         | 63.0         | 72.0          | 62.0         | 49.0         | 1.59          | 365              | 5.77          | 230               | 210          | 230             | 0.0030                                       | 0.498                                           | 48                | 18                    |
|           | 690                 | 90L        | 70.0          | 70.0         | 66.0         | 70.0          | 61.0         | 49.0         | 1.59          | 365              | 7.61          | 170               | 145          | 205             | 0.0058                                       | 1.54                                            | 47                | 27                    |
| 0.75      | 2860                | 80**       | 83.0          | 82.0         | 79.0         | 85.0          | 78.5         | 65.5         | 1.47          | 1,020            | 2.50          | 340               | 340          | 380             | 0.0015                                       | 0.081                                           | 57                | 18                    |
|           | 1420                | 80         | 82.5          | 82.5         | 80.5         | 71.0          | 61.0         | 47.0         | 1.77          | 678              | 5.04          | 330               | 320          | 330             | 0.0028                                       | 0.353                                           | 50                | 18                    |
|           | 940                 | 90S        | 78.0          | 78.0         | 75.0         | 67.5          | 58.0         | 46.0         | 1.97          | 609              | 7.62          | 200               | 200          | 250             | 0.0048                                       | 0.913                                           | 54                | 25                    |
|           | 695                 | 100L       | 76.5          | 76.5         | 73.0         | 60.0          | 51.0         | 39.0         | 2.26          | 442              | 10.3          | 230               | 215          | 230             | 0.0088                                       | 1.89                                            | 49                | 31                    |
| 1.1       | 2840                | 80**       | 84.5          | 84.0         | 82.0         | 87.5          | 82.0         | 70.5         | 2.11          | 947              | 3.70          | 300               | 290          | 330             | 0.0018                                       | 0.110                                           | 53                | 21                    |
|           | 1415                | 90S        | 84.0          | 85.0         | 84.0         | 80.0          | 72.5         | 60.0         | 2.32          | 690              | 7.42          | 250               | 215          | 270             | 0.0043                                       | 0.523                                           | 46                | 27                    |
|           | 940                 | 90L        | 82.0          | 80.0         | 77.0         | 69.0          | 60.0         | 48.0         | 2.75          | 582              | 11.2          | 240               | 230          | 290             | 0.0063                                       | 1.40                                            | 42                | 26                    |
|           | 695                 | 100L       | 78.0          | 79.5         | 77.0         | 64.5          | 55.5         | 43.0         | 3.09          | 485              | 15.1          | 210               | 200          | 215             | 0.0113                                       | 2.74                                            | 49                | 37                    |
| 1.5       | 2855                | 90S        | 85.0          | 85.5         | 83.0         | 85.5          | 80.5         | 68.0         | 2.86          | 804              | 5.02          | 330               | 300          | 330             | 0.0028                                       | 0.145                                           | 54                | 24                    |
|           | 1430                | 90L        | 85.0          | 85.0         | 83.0         | 75.0          | 66.5         | 53.0         | 3.26          | 706              | 10.0          | 300               | 240          | 310             | 0.0058                                       | 0.670                                           | 46                | 30                    |
|           | 930                 | 100L       | 83.0          | 83.0         | 81.5         | 78.0          | 71.5         | 60.0         | 3.21          | 623              | 15.4          | 240               | 200          | 250             | 0.0138                                       | 1.83                                            | 44                | 36                    |
|           | 705                 | 112M       | 79.5          | 79.0         | 77.0         | 59.0          | 49.0         | 39.0         | 4.43          | 451              | 20.3          | 200               | 170          | 230             | 0.0150                                       | 3.65                                            | 49                | 45                    |
| 2.2       | 2855                | 90L        | 86.0          | 86.5         | 85.5         | 88.0          | 83.0         | 72.0         | 4.11          | 803              | 7.36          | 320               | 290          | 330             | 0.0038                                       | 0.213                                           | 59                | 29                    |
|           | 1440                | 100L       | 86.5          | 86.5         | 85.0         | 82.5          | 76.0         | 63.5         | 4.36          | 757              | 14.6          | 290               | 250          | 300             | 0.0103                                       | 1.04                                            | 46                | 37                    |
|           | 955                 | 112M       | 84.5          | 85.0         | 83.0         | 74.5          | 67.0         | 54.5         | 4.95          | 606              | 22.0          | 210               | 190          | 260             | 0.0193                                       | 2.68                                            | 44                | 43                    |
|           | 710                 | 132S       | 82.0          | 81.5         | 79.0         | 65.0          | 56.0         | 43.0         | 5.84          | 514              | 29.6          | 250               | 230          | 280             | 0.0385                                       | 5.29                                            | 49                | 65                    |
| 3         | 2875                | 100L**     | 88.5          | 88.5         | 87.0         | 87.5          | 83.0         | 73.0         | 5.36          | 932              | 9.97          | 400               | 320          | 370             | 0.0063                                       | 0.280                                           | 57                | 38                    |
|           | 1430                | 100L       | 87.5          | 87.5         | 87.0         | 82.5          | 77.0         | 65.0         | 5.95          | 748              | 20.0          | 290               | 270          | 310             | 0.0125                                       | 1.34                                            | 46                | 43                    |
|           | 965                 | 132S**     | 88.5          | 87.5         | 86.0         | 81.0          | 75.0         | 63.0         | 5.79          | 777              | 29.7          | 200               | 170          | 290             | 0.0385                                       | 3.50                                            | 51                | 71                    |
|           | 710                 | 132M       | 83.5          | 83.5         | 81.0         | 65.0          | 55.0         | 42.0         | 7.65          | 523              | 40.4          | 250               | 235          | 290             | 0.0480                                       | 6.97                                            | 50                | 75                    |
| 4         | 2880                | 112M**     | 89.5          | 90.0         | 89.0         | 91.0          | 88.5         | 81.0         | 7.01          | 856              | 13.3          | 280               | 240          | 350             | 0.0115                                       | 0.383                                           | 57                | 48                    |
|           | 1445                | 112M       | 89.0          | 89.0         | 88.0         | 84.0          | 80.0         | 68.5         | 7.64          | 785              | 26.4          | 240               | 180          | 300             | 0.0208                                       | 1.81                                            | 48                | 48                    |
|           | 970                 | 132M**     | 89.5          | 89.0         | 87.0         | 79.0          | 72.5         | 60.0         | 8.07          | 743              | 39.4          | 210               | 180          | 310             | 0.0515                                       | 4.75                                            | 51                | 87                    |
|           | 720                 | 160M       | 84.5          | 84.0         | 81.5         | 73.0          | 65.0         | 52.5         | 9.25          | 541              | 53.1          | 200               | 180          | 250             | 0.0878                                       | 9.51                                            | 51                | 118                   |
| 5.5       | 2915                | 132S**     | 91.5          | 91.5         | 90.5         | 88.0          | 85.0         | 78.5         | 9.67          | 776              | 18.0          | 220               | 190          | 280             | 0.0190                                       | 0.505                                           | 64                | 71                    |
|           | 1460                | 132S       | 90.5          | 90.5         | 89.0         | 82.5          | 76.0         | 63.5         | 10.40         | 817              | 36.0          | 270               | 220          | 320             | 0.0333                                       | 2.37                                            | 53                | 72                    |
|           | 960                 | 132M       | 89.0          | 88.5         | 88.0         | 82.0          | 77.0         | 66.0         | 10.70         | 654              | 54.7          | 190               | 170          | 270             | 0.0543                                       | 6.33                                            | 47                | 90                    |
|           | 715                 | 160M       | 85.0          | 85.5         | 83.5         | 73.0          | 65.0         | 52.0         | 12.50         | 520              | 73.5          | 170               | 160          | 230             | 0.123                                        | 12.7                                            | 54                | 118                   |
| 7.5       | 2895                | 132S**     | 91.0          | 91.0         | 90.0         | 80.0          | 74.0         | 63.0         | 14.30         | 629              | 24.7          | 210               | 180          | 260             | 0.0190                                       | 0.670                                           | 64                | 84                    |
|           | 1455                | 132M       | 91.0          | 91.0         | 90.0         | 85.0          | 80.0         | 68.5         | 13.40         | 821              | 49.2          | 270               | 220          | 320             | 0.0358                                       | 3.10                                            | 56                | 82                    |
|           | 970                 | 160M**     | 91.0          | 91.0         | 90.0         | 81.0          | 75.0         | 64.0         | 14.10         | 674              | 73.8          | 240               | 200          | 260             | 0.121                                        | 8.34                                            | 55                | 138                   |
|           | 720                 | 160L       | 87.0          | 87.0         | 85.0         | 72.0          | 64.0         | 51.0         | 16.60         | 572              | 99.5          | 195               | 185          | 270             | 0.147                                        | 16.6                                            | 55                | 155                   |

- Notes:**
1. All figures are based on tests carried out on 415 Volt 3-Phase Motors.
  2. Test Method: AS1359.5, Method B.
  3. Tolerance: AS1359.101.
  4. \*\* motors comply to MEPS 2006 High Efficiency requirements, **MAX-E3**.
  5. dB(A): Mean Sound Pressure Level on no load at 1 metre.
  6. Motor data 8 pole and slower speeds not listed available on request.
  7. Data subject to change without notice.

## Typical Performance Data



### TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

#### Standard Range 63 to 315 Frame (415V 50Hz)

| Output kW | Full Load Speed RPM | Frame Size | Efficiency    |              |              | Power Factor  |              |              | Current       |                  | Torque        |                   |              |                 | Inertia                            |                                       | Noise Level dB(A) | Weight Foot Mount Kgs |
|-----------|---------------------|------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------|---------------|-------------------|--------------|-----------------|------------------------------------|---------------------------------------|-------------------|-----------------------|
|           |                     |            | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (A) | Locked Rotor (%) | Full Load N-m | Locked Rotor %FLT | Pull Up %FLT | Break-Down %FLT | Rotor $J=GD^2/4$ Kg-m <sup>2</sup> | Max Load $J=GD^2/4$ Kg-m <sup>2</sup> |                   |                       |
| 11        | 2935                | 160M**     | 92.5          | 92.5         | 92.0         | 91.5          | 89.0         | 84.5         | 18.40         | 761              | 35.8          | 230               | 200          | 280             | 0.0458                             | 0.973                                 | 70                | 128                   |
|           | 1460                | 160M**     | 92.5          | 92.5         | 92.0         | 85.0          | 82.0         | 74.0         | 19.80         | 707              | 72.0          | 230               | 180          | 270             | 0.0918                             | 4.57                                  | 56                | 133                   |
|           | 975                 | 160L       | 91.0          | 90.5         | 89.0         | 79.0          | 72.5         | 60.0         | 21.7          | 737              | 108           | 280               | 230          | 280             | 0.158                              | 12.2                                  | 52                | 159                   |
|           | 720                 | 180L       | 87.5          | 88.0         | 87.5         | 78.5          | 74.0         | 72.5         | 22.7          | 529              | 146           | 180               | 160          | 215             | 0.314                              | 24.3                                  | 56                | 210                   |
| 15        | 2935                | 160M**     | 92.5          | 92.0         | 91.5         | 91.0          | 88.0         | 81.0         | 24.70         | 789              | 48.8          | 240               | 210          | 290             | 0.0458                             | 1.28                                  | 70                | 130                   |
|           | 1460                | 160L**     | 93.0          | 93.0         | 92.5         | 88.0          | 84.5         | 76.5         | 25.40         | 728              | 98.1          | 230               | 180          | 270             | 0.116                              | 6.02                                  | 56                | 153                   |
|           | 970                 | 180LC**    | 92.0          | 92.0         | 92.0         | 84.0          | 79.5         | 71.5         | 26.90         | 613              | 148           | 230               | 190          | 250             | 0.336                              | 15.9                                  | 58                | 215                   |
|           | 720                 | 200LC      | 89.0          | 89.5         | 89.5         | 81.5          | 78.5         | 70.5         | 28.6          | 454              | 199           | 150               | 130          | 180             | 0.445                              | 31.8                                  | 57                | 282                   |
| 18.5      | 2925                | 160L**     | 93.0          | 93.0         | 93.0         | 91.5          | 89.5         | 84.0         | 30.50         | 803              | 60.4          | 260               | 210          | 300             | 0.0593                             | 1.55                                  | 72                | 148                   |
|           | 1470                | 180MC**    | 94.0          | 94.0         | 93.5         | 85.0          | 81.0         | 72.5         | 32.50         | 754              | 120           | 240               | 180          | 270             | 0.177                              | 7.42                                  | 63                | 194                   |
|           | 975                 | 200LC**    | 93.0          | 93.5         | 93.0         | 78.0          | 74.0         | 64.0         | 35.80         | 615              | 181           | 230               | 200          | 250             | 0.459                              | 19.7                                  | 55                | 285                   |
|           | 725                 | 225S       | 90.0          | 90.5         | 90.0         | 77.0          | 72.0         | 61.0         | 37.4          | 508              | 244           | 190               | 180          | 160             | 0.591                              | 39.2                                  | 58                | 334                   |
| 22        | 2935                | 180MA**    | 93.5          | 93.5         | 92.5         | 87.5          | 84.5         | 76.0         | 38.1          | 787              | 71.6          | 250               | 210          | 300             | 0.0708                             | 1.89                                  | 72                | 194                   |
|           | 1465                | 180LC**    | 94.0          | 94.0         | 93.5         | 86.0          | 82.5         | 74.0         | 38.5          | 701              | 143           | 230               | 180          | 270             | 0.198                              | 8.76                                  | 64                | 215                   |
|           | 975                 | 200LC**    | 93.5          | 93.5         | 93.5         | 79.0          | 75.0         | 67.0         | 42.2          | 592              | 216           | 220               | 190          | 220             | 0.521                              | 23.4                                  | 54                | 300                   |
|           | 735                 | 225MC**    | 92.5          | 92.5         | 92.0         | 78.0          | 73.5         | 63.0         | 43.2          | 509              | 286           | 190               | 170          | 195             | 0.709                              | 46.8                                  | 58                | 375                   |
| 30        | 2955                | 200LA**    | 94.0          | 94.0         | 93.0         | 89.0          | 87.5         | 83.5         | 49.6          | 685              | 97.0          | 175               | 150          | 260             | 0.151                              | 2.43                                  | 76                | 286                   |
|           | 1470                | 200LC**    | 94.5          | 94.5         | 94.5         | 87.0          | 85.5         | 78.0         | 50.5          | 773              | 195           | 230               | 190          | 270             | 0.364                              | 11.5                                  | 64                | 300                   |
|           | 980                 | 225MC**    | 94.0          | 94.0         | 93.5         | 85.5          | 82.0         | 75.0         | 51.7          | 590              | 292           | 210               | 190          | 230             | 0.756                              | 30.5                                  | 61                | 390                   |
|           | 735                 | 250SC      | 92.5          | 92.5         | 92.0         | 76.5          | 71.0         | 61.0         | 58.7          | 545              | 390           | 205               | 180          | 225             | 1.025                              | 61.2                                  | 65                | 480                   |
| 37        | 2950                | 200LA**    | 94.5          | 94.5         | 93.5         | 90.0          | 88.0         | 84.5         | 61.0          | 656              | 120           | 155               | 135          | 260             | 0.189                              | 2.98                                  | 76                | 312                   |
|           | 1475                | 225SC**    | 95.0          | 95.0         | 94.5         | 85.0          | 81.0         | 73.0         | 64.3          | 669              | 240           | 200               | 180          | 240             | 0.474                              | 14.1                                  | 69                | 359                   |
|           | 985                 | 250SC**    | 94.0          | 94.5         | 94.0         | 86.5          | 83.5         | 76.0         | 63.8          | 634              | 359           | 210               | 200          | 250             | 1.049                              | 37.8                                  | 64                | 480                   |
|           | 735                 | 250MC      | 93.0          | 93.0         | 92.0         | 78.0          | 74.0         | 63.0         | 71.5          | 559              | 481           | 210               | 180          | 235             | 1.225                              | 75.5                                  | 68                | 554                   |
| 45        | 2955                | 225MA      | 94.5          | 94.5         | 93.5         | 92.0          | 91.0         | 88.0         | 72.0          | 667              | 145           | 140               | 130          | 230             | 0.311                              | 3.53                                  | 78                | 373                   |
|           | 1475                | 225MC**    | 95.0          | 95.0         | 94.5         | 85.0          | 81.0         | 72.5         | 77.1          | 642              | 291           | 200               | 175          | 250             | 0.495                              | 16.7                                  | 69                | 387                   |
|           | 985                 | 250MC**    | 94.5          | 95.0         | 94.5         | 87.5          | 85.0         | 77.5         | 75.3          | 704              | 436           | 230               | 200          | 250             | 1.277                              | 44.8                                  | 66                | 554                   |
| 55        | 2960                | 250SA**    | 95.0          | 94.5         | 94.0         | 89.5          | 88.0         | 87.0         | 91.5          | 705              | 177           | 150               | 130          | 250             | 0.387                              | 4.32                                  | 78                | 470                   |
|           | 1480                | 250SC**    | 95.5          | 95.0         | 94.5         | 87.0          | 84.0         | 77.0         | 93.7          | 700              | 355           | 230               | 200          | 260             | 0.978                              | 20.3                                  | 71                | 528                   |
|           | 984                 | 280SC**    | 95.0          | 94.5         | 94.0         | 85.0          | 82.5         | 75.0         | 94.8          | 680              | 534           | 165               | 140          | 230             | 2.125                              | 55.0                                  | 77                | 650                   |
| 75        | 2960                | 250MA**    | 95.5          | 95.5         | 95.0         | 91.0          | 88.0         | 85.0         | 119.0         | 693              | 242           | 140               | 130          | 250             | 0.454                              | 5.60                                  | 78                | 548                   |
|           | 1480                | 250MC**    | 95.5          | 95.5         | 95.0         | 87.0          | 84.0         | 77.0         | 125.0         | 648              | 484           | 220               | 180          | 240             | 1.123                              | 26.8                                  | 72                | 574                   |
|           | 984                 | 280MC**    | 95.3          | 94.9         | 94.8         | 86.0          | 83.3         | 76.0         | 127           | 689              | 728           | 160               | 136          | 230             | 2.775                              | 46.8                                  | 77                | 730                   |
| 90        | 2960                | 280SA      | 95.4          | 94.8         | 94.0         | 89.0          | 87.5         | 82.0         | 147           | 717              | 290           | 130               | 110          | 230             | 0.725                              | 6.88                                  | 83                | 650                   |
|           | 1480                | 280SC      | 95.6          | 95.0         | 94.2         | 87.0          | 84.2         | 78.0         | 150           | 703              | 581           | 160               | 136          | 230             | 2.025                              | 33.0                                  | 80                | 700                   |
|           | 985                 | 315SC      | 95.3          | 94.8         | 94.3         | 86.0          | 83.3         | 76.0         | 153           | 690              | 873           | 155               | 131          | 230             | 4.275                              | 88.2                                  | 77                | 920                   |
| 110       | 2960                | 280MA      | 95.4          | 94.8         | 94.0         | 89.7          | 88.0         | 82.0         | 179           | 721              | 355           | 120               | 102          | 230             | 0.850                              | 8.08                                  | 83                | 700                   |
|           | 1482                | 280MC      | 95.8          | 95.2         | 94.4         | 88.0          | 84.5         | 78.5         | 182           | 709              | 709           | 155               | 131          | 230             | 2.375                              | 39.0                                  | 80                | 850                   |
|           | 985                 | 315MC**    | 95.8          | 95.3         | 94.8         | 86.2          | 84.0         | 76.5         | 185           | 697              | 1067          | 150               | 127          | 220             | 4.975                              | 105                                   | 77                | 1010                  |
| 132       | 2976                | 315SA      | 95.8          | 95.2         | 94.3         | 90.0          | 88.0         | 83.0         | 213           | 723              | 424           | 115               | 98           | 220             | 1.625                              | 9.13                                  | 83                | 840                   |
|           | 1482                | 315SC**    | 96.2          | 95.6         | 94.8         | 88.5          | 85.0         | 79.5         | 216           | 713              | 851           | 150               | 127          | 220             | 2.800                              | 44.0                                  | 80                | 940                   |
|           | 986                 | 315MC      | 95.8          | 95.3         | 94.8         | 86.2          | 84.5         | 77.5         | 222           | 694              | 1279          | 150               | 127          | 220             | 5.050                              | 120                                   | 77                | 1050                  |
| 150       | 2976                | 315MA      | 96.0          | 95.4         | 94.5         | 90.3          | 89.0         | 83.5         | 241           | 726              | 481           | 110               | 94           | 220             | 1.625                              | 10.5                                  | 83                | 920                   |
|           | 1485                | 315MC      | 96.2          | 95.6         | 94.8         | 88.5          | 85.0         | 80.0         | 245           | 714              | 965           | 150               | 127          | 220             | 3.650                              | 50.5                                  | 80                | 930                   |
| 185       | 2982                | 315MA      | 96.0          | 95.4         | 94.5         | 90.3          | 89.2         | 83.5         | 297           | 724              | 593           | 105               | 91           | 220             | 1.975                              | 12.8                                  | 83                | 1000                  |
|           | 1486                | 315MB      | 96.2          | 95.6         | 94.8         | 89.0          | 85.6         | 80.5         | 301           | 714              | 1189          | 140               | 119          | 220             | 3.825                              | 61.8                                  | 80                | 1100                  |

- Notes:**
1. All figures are based on tests carried out on 415 Volt 3-Phase Motors.
  2. Test Method: AS1359.5, Method B.
  3. Tolerance: AS1359.101
  4. \*\* motors comply to MEPS 2006 High Efficiency requirements, **MAX-E3**.

5. dB(A): Mean Sound Pressure Level on no load at 1 metre.
6. Motor data 8 pole and slower speeds not listed available on request.
7. Data subject to change without notice.

## Typical Performance Data



### TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

#### High Efficiency Range MAX-E3™ 63 to 315M Frame (415V 50Hz)

| Output kW | Full Load Speed RPM | Frame Size | Efficiency    |              |              | Power Factor  |              |              | Current       |                  | Torque        |                   |              |                 | Inertia                                      |                                                 | Noise Level dB(A) | Foot Mount Kgs |
|-----------|---------------------|------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------|---------------|-------------------|--------------|-----------------|----------------------------------------------|-------------------------------------------------|-------------------|----------------|
|           |                     |            | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (A) | Locked Rotor (%) | Full Load N-m | Locked Rotor %FLT | Pull Up %FLT | Break-Down %FLT | Rotor J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> | Max Load J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> |                   |                |
| 0.75      | 2860                | 80         | 83.0          | 82.0         | 79.0         | 85.0          | 78.5         | 65.5         | 1.47          | 1,020            | 2.50          | 340               | 340          | 380             | 0.0015                                       | 0.081                                           | 57                | 18             |
|           | 1420                | 80         | 84.5          | 83.0         | 80.5         | 75.5          | 66.5         | 52.5         | 1.63          | 920              | 5.04          | 365               | 330          | 355             | 0.0033                                       | 0.353                                           | 44                | 18             |
|           | 935                 | 90S        | 80.5          | 81.0         | 79.5         | 74.0          | 66.0         | 53.0         | 1.74          | 574              | 7.66          | 200               | 180          | 235             | 0.0055                                       | 0.913                                           | 46                | 25             |
|           | 700                 | 100L       | 76.5          | 76.5         | 73.0         | 60.0          | 50.5         | 38.5         | 2.26          | 442              | 10.2          | 235               | 220          | 230             | 0.0105                                       | 1.89                                            | 49                | 31             |
| 1.1       | 2840                | 80         | 84.5          | 84.0         | 82.0         | 87.5          | 82.0         | 70.5         | 2.11          | 947              | 3.70          | 300               | 290          | 330             | 0.0018                                       | 0.110                                           | 53                | 21             |
|           | 1435                | 90S        | 86.0          | 86.5         | 86.0         | 82.0          | 75.5         | 63.5         | 2.21          | 905              | 7.32          | 255               | 205          | 290             | 0.0048                                       | 0.523                                           | 46                | 27             |
|           | 940                 | 90L        | 82.5          | 81.5         | 79.5         | 69.5          | 60.0         | 46.0         | 2.72          | 551              | 11.2          | 215               | 195          | 255             | 0.0068                                       | 1.40                                            | 46                | 26             |
|           | 695                 | 100L       | 79.5          | 80.0         | 77.5         | 64.0          | 55.0         | 42.5         | 3.06          | 490              | 15.1          | 210               | 200          | 215             | 0.0148                                       | 2.74                                            | 49                | 37             |
| 1.5       | 2850                | 90S        | 86.5          | 87.0         | 86.5         | 89.5          | 85.5         | 76.0         | 2.68          | 933              | 5.03          | 330               | 270          | 335             | 0.0030                                       | 0.145                                           | 56                | 24             |
|           | 1440                | 90L        | 87.0          | 86.0         | 85.0         | 77.0          | 69.0         | 56.0         | 3.10          | 968              | 9.95          | 310               | 250          | 335             | 0.0063                                       | 0.670                                           | 47                | 30             |
|           | 945                 | 100L       | 84.0          | 85.0         | 84.0         | 70.0          | 62.0         | 48.5         | 3.53          | 708              | 15.2          | 280               | 265          | 290             | 0.0148                                       | 1.83                                            | 45                | 36             |
|           | 705                 | 112M       | 81.0          | 80.0         | 78.0         | 60.0          | 51.0         | 39.5         | 4.27          | 468              | 20.3          | 200               | 170          | 235             | 0.0178                                       | 3.65                                            | 49                | 45             |
| 2.2       | 2860                | 90L        | 87.5          | 87.5         | 87.0         | 85.5          | 80.0         | 69.5         | 4.16          | 961              | 7.35          | 340               | 275          | 355             | 0.0038                                       | 0.213                                           | 55                | 29             |
|           | 1435                | 100L       | 88.5          | 88.0         | 87.5         | 83.0          | 77.5         | 66.0         | 4.24          | 973              | 14.6          | 325               | 285          | 340             | 0.0115                                       | 1.04                                            | 49                | 37             |
|           | 965                 | 112M       | 85.5          | 85.5         | 85.0         | 66.0          | 58.0         | 45.5         | 5.52          | 634              | 21.8          | 200               | 195          | 285             | 0.0210                                       | 2.68                                            | 51                | 43             |
|           | 705                 | 132S       | 83.5          | 83.5         | 82.0         | 69.0          | 59.5         | 46.0         | 5.40          | 556              | 29.8          | 230               | 210          | 265             | 0.0345                                       | 5.29                                            | 49                | 65             |
| 3         | 2875                | 100L       | 88.5          | 88.5         | 87.0         | 87.5          | 83.0         | 73.0         | 5.36          | 932              | 9.97          | 400               | 320          | 370             | 0.0063                                       | 0.280                                           | 57                | 38             |
|           | 1440                | 100L       | 89.5          | 88.5         | 87.5         | 78.0          | 70.5         | 58.0         | 5.95          | 924              | 19.9          | 345               | 310          | 360             | 0.0125                                       | 1.34                                            | 49                | 43             |
|           | 965                 | 132S       | 88.5          | 87.5         | 86.0         | 81.0          | 75.0         | 63.0         | 5.79          | 777              | 29.7          | 200               | 170          | 290             | 0.0385                                       | 3.50                                            | 51                | 71             |
|           | 715                 | 132M       | 85.0          | 85.0         | 83.0         | 64.0          | 54.0         | 41.0         | 7.63          | 590              | 40.1          | 280               | 260          | 330             | 0.0450                                       | 6.97                                            | 50                | 75             |
| 4         | 2880                | 112M       | 89.5          | 90.0         | 89.0         | 91.0          | 88.5         | 81.0         | 7.01          | 856              | 13.3          | 280               | 240          | 350             | 0.0115                                       | 0.383                                           | 57                | 48             |
|           | 1450                | 112M       | 90.0          | 89.5         | 89.0         | 82.5          | 77.0         | 65.5         | 7.69          | 845              | 26.3          | 235               | 205          | 330             | 0.0208                                       | 1.81                                            | 50                | 48             |
|           | 970                 | 132M       | 89.5          | 89.0         | 87.0         | 79.0          | 72.5         | 60.0         | 8.07          | 743              | 39.4          | 210               | 180          | 310             | 0.0515                                       | 4.75                                            | 51                | 87             |
|           | 720                 | 160M       | 86.5          | 86.0         | 84.5         | 70.5          | 62.0         | 48.5         | 9.36          | 588              | 53.1          | 190               | 170          | 250             | 0.0860                                       | 9.51                                            | 51                | 118            |
| 5.5       | 2915                | 132S       | 91.5          | 91.5         | 90.5         | 88.0          | 85.0         | 78.5         | 9.67          | 776              | 18.0          | 220               | 190          | 280             | 0.0190                                       | 0.505                                           | 64                | 71             |
|           | 1455                | 132S       | 91.0          | 90.5         | 90.5         | 85.0          | 81.0         | 71.0         | 10.10         | 891              | 36.1          | 265               | 215          | 320             | 0.0333                                       | 2.37                                            | 55                | 72             |
|           | 970                 | 132M       | 89.5          | 89.5         | 88.5         | 73.0          | 65.0         | 51.0         | 11.90         | 798              | 54.1          | 245               | 225          | 360             | 0.0543                                       | 6.33                                            | 53                | 90             |
|           | 720                 | 160M       | 88.0          | 87.0         | 85.0         | 71.5          | 63.0         | 50.0         | 12.40         | 605              | 73.0          | 200               | 190          | 275             | 0.126                                        | 12.7                                            | 54                | 118            |
| 7.5       | 2895                | 132S       | 91.0          | 91.0         | 90.0         | 80.0          | 74.0         | 63.0         | 14.30         | 629              | 24.7          | 210               | 180          | 260             | 0.0190                                       | 0.670                                           | 64                | 84             |
|           | 1460                | 132M       | 91.5          | 92.0         | 91.5         | 83.5          | 78.5         | 67.5         | 13.60         | 882              | 49.1          | 290               | 235          | 345             | 0.0433                                       | 3.10                                            | 55                | 82             |
|           | 970                 | 160M       | 91.0          | 91.0         | 90.0         | 81.0          | 75.0         | 64.0         | 14.10         | 674              | 73.8          | 240               | 200          | 260             | 0.121                                        | 8.34                                            | 55                | 138            |
|           | 720                 | 160L       | 89.0          | 88.0         | 86.0         | 71.0          | 62.5         | 49.5         | 16.40         | 610              | 99.5          | 205               | 195          | 285             | 0.168                                        | 16.6                                            | 55                | 155            |
| 11        | 2935                | 160M       | 92.5          | 92.5         | 92.0         | 91.5          | 89.0         | 84.5         | 18.40         | 761              | 35.8          | 230               | 200          | 280             | 0.0458                                       | 0.973                                           | 70                | 128            |
|           | 1460                | 160M       | 92.5          | 92.5         | 92.0         | 85.0          | 82.0         | 74.0         | 19.80         | 707              | 72.0          | 230               | 180          | 270             | 0.0918                                       | 4.57                                            | 56                | 133            |
|           | 970                 | 160L       | 91.5          | 91.5         | 91.0         | 77.0          | 71.0         | 59.0         | 22.10         | 724              | 108           | 285               | 240          | 295             | 0.158                                        | 12.2                                            | 59                | 159            |
|           | 720                 | 180LC      | 90.5          | 90.5         | 90.0         | 82.0          | 79.0         | 70.0         | 21.00         | 595              | 146           | 170               | 155          | 210             | 0.320                                        | 24.3                                            | 56                | 210            |
| 15        | 2935                | 160M       | 92.5          | 92.0         | 91.5         | 91.0          | 88.0         | 81.0         | 24.70         | 789              | 48.8          | 240               | 210          | 290             | 0.0458                                       | 1.28                                            | 70                | 130            |
|           | 1460                | 160L       | 93.0          | 93.0         | 92.5         | 88.0          | 84.5         | 76.5         | 25.40         | 728              | 98.1          | 230               | 180          | 270             | 0.116                                        | 6.02                                            | 56                | 153            |
|           | 970                 | 180LC      | 92.0          | 92.0         | 92.0         | 84.0          | 79.5         | 71.5         | 26.90         | 613              | 148           | 230               | 190          | 250             | 0.336                                        | 15.9                                            | 58                | 215            |
|           | 730                 | 200L       | 91.5          | 90.0         | 89.0         | 78.0          | 72.0         | 60.5         | 29.10         | 619              | 196           | 195               | 170          | 230             | 0.521                                        | 31.8                                            | 57                | 282            |
| 18.5      | 2925                | 160L       | 93.0          | 93.0         | 93.0         | 91.5          | 89.5         | 84.0         | 30.50         | 803              | 60.4          | 260               | 210          | 300             | 0.0593                                       | 1.55                                            | 72                | 148            |
|           | 1470                | 180MC      | 94.0          | 94.0         | 93.5         | 85.0          | 81.0         | 72.5         | 32.50         | 754              | 120           | 240               | 180          | 270             | 0.177                                        | 7.42                                            | 63                | 194            |
|           | 975                 | 200LC      | 93.0          | 93.5         | 93.0         | 78.0          | 74.0         | 64.0         | 35.80         | 615              | 181           | 230               | 200          | 250             | 0.459                                        | 19.7                                            | 55                | 285            |
|           | 735                 | 225SC      | 92.0          | 92.0         | 91.5         | 76.5          | 71.5         | 61.0         | 36.90         | 515              | 240           | 180               | 160          | 195             | 0.611                                        | 39.2                                            | 58                | 334            |

- Notes:**
1. All figures are based on tests carried out on 415 Volt 3-Phase Motors.
  2. Test Method: AS1359.5, Method B.
  3. Tolerance: AS1359.101
  4. dB(A): Mean Sound Pressure Level on no load at 1 metre.
  5. Motor data 8 pole and slower speeds not listed available on request.
  6. Data subject to change without notice.

## Typical Performance Data



### TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

#### High Efficiency Range MAX-E3™ 63 to 315 Frame (415V 50Hz)

| Output kW | Full Load Speed RPM | Frame Size | Efficiency    |              |              | Power Factor  |              |              | Current       |                  | Torque        |                   |              |                 | Inertia                                      |                                                 | Noise Level dB(A) | Weight Foot Mount Kgs |
|-----------|---------------------|------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------|---------------|-------------------|--------------|-----------------|----------------------------------------------|-------------------------------------------------|-------------------|-----------------------|
|           |                     |            | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (A) | Locked Rotor (%) | Full Load N-m | Locked Rotor %FLT | Pull Up %FLT | Break-Down %FLT | Rotor J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> | Max Load J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> |                   |                       |
| 22        | 2935                | 180MA      | 93.5          | 93.5         | 92.5         | 87.5          | 84.5         | 76.0         | 38.1          | 787              | 71.6          | 250               | 210          | 300             | 0.0708                                       | 1.89                                            | 72                | 194                   |
|           | 1465                | 180LC      | 94.0          | 94.0         | 93.5         | 86.0          | 82.5         | 74.0         | 38.5          | 701              | 143           | 230               | 180          | 270             | 0.198                                        | 8.76                                            | 64                | 215                   |
|           | 975                 | 200LC      | 93.5          | 93.5         | 93.5         | 79.0          | 75.0         | 67.0         | 42.2          | 592              | 216           | 220               | 190          | 220             | 0.521                                        | 23.4                                            | 54                | 300                   |
|           | 735                 | 225MC      | 92.5          | 92.5         | 92.0         | 77.0          | 72.0         | 61.5         | 43.7          | 526              | 286           | 185               | 170          | 195             | 0.756                                        | 46.8                                            | 58                | 375                   |
| 30        | 2955                | 200LA      | 94.0          | 94.0         | 93.0         | 89.0          | 87.5         | 83.5         | 49.6          | 685              | 97.0          | 175               | 150          | 260             | 0.151                                        | 2.43                                            | 76                | 286                   |
|           | 1470                | 200LC      | 94.5          | 94.5         | 94.5         | 87.0          | 85.5         | 78.0         | 50.5          | 773              | 195           | 230               | 190          | 270             | 0.364                                        | 11.5                                            | 64                | 300                   |
|           | 980                 | 225MC      | 94.0          | 94.0         | 93.5         | 85.5          | 82.0         | 75.0         | 51.7          | 590              | 292           | 210               | 190          | 230             | 0.756                                        | 30.5                                            | 61                | 390                   |
|           | 735                 | 250SC      | 93.5          | 93.0         | 92.0         | 74.5          | 68.0         | 56.0         | 59.6          | 705              | 390           | 260               | 230          | 295             | 1.235                                        | 61.2                                            | 65                | 480                   |
| 37        | 2950                | 200LA      | 94.5          | 94.5         | 93.5         | 90.0          | 88.0         | 84.5         | 61.0          | 656              | 120           | 155               | 135          | 260             | 0.189                                        | 2.98                                            | 76                | 312                   |
|           | 1475                | 225SC      | 95.0          | 95.0         | 94.5         | 85.0          | 81.0         | 73.0         | 64.3          | 669              | 240           | 200               | 180          | 240             | 0.474                                        | 14.1                                            | 69                | 359                   |
|           | 985                 | 250SC      | 94.0          | 94.5         | 94.0         | 86.5          | 83.5         | 76.0         | 63.8          | 634              | 359           | 210               | 200          | 250             | 1.049                                        | 37.8                                            | 64                | 480                   |
|           | 735                 | 250MC      | 94.0          | 93.5         | 93.0         | 76.0          | 70.0         | 59.0         | 72.6          | 668              | 481           | 245               | 215          | 270             | 1.417                                        | 75.5                                            | 68                | 554                   |
| 45        | 2960                | 225MA      | 95.0          | 94.5         | 94.0         | 91.0          | 90.0         | 86.0         | 72.0          | 736              | 145           | 150               | 125          | 255             | 0.297                                        | 3.53                                            | 80                | 373                   |
|           | 1475                | 225MC      | 95.0          | 95.0         | 94.5         | 85.0          | 81.0         | 72.5         | 77.1          | 642              | 291           | 200               | 175          | 250             | 0.495                                        | 16.7                                            | 69                | 387                   |
|           | 985                 | 250MC      | 94.5          | 95.0         | 94.5         | 86.5          | 83.0         | 75.0         | 76.2          | 767              | 436           | 240               | 215          | 270             | 1.277                                        | 44.8                                            | 66                | 554                   |
| 55        | 2960                | 250SA      | 95.0          | 94.5         | 94.0         | 89.5          | 88.0         | 87.0         | 91.5          | 705              | 177           | 150               | 130          | 250             | 0.387                                        | 4.32                                            | 78                | 470                   |
|           | 1480                | 250SC      | 95.5          | 95.0         | 94.5         | 87.0          | 84.0         | 77.0         | 93.7          | 700              | 355           | 230               | 200          | 260             | 0.978                                        | 20.3                                            | 71                | 528                   |
|           | 984                 | 280SC      | 95.0          | 94.5         | 94.0         | 84.0          | 81.5         | 74.0         | 96            | 677              | 534           | 165               | 140          | 230             | 2.125                                        | 55.0                                            | 78                | 650                   |
| 75        | 2960                | 250MA      | 95.5          | 95.5         | 95.0         | 91.0          | 88.0         | 85.0         | 119.0         | 693              | 242           | 140               | 130          | 250             | 0.454                                        | 5.60                                            | 78                | 548                   |
|           | 1480                | 250MC      | 95.5          | 95.5         | 95.0         | 87.0          | 84.0         | 77.0         | 125.0         | 648              | 484           | 220               | 180          | 240             | 1.123                                        | 26.8                                            | 72                | 574                   |
|           | 985                 | 280MC      | 95.3          | 94.9         | 94.8         | 85.0          | 82.0         | 75.0         | 128.9         | 875              | 727           | 160               | 136          | 230             | 2.775                                        | 46.8                                            | 78                | 730                   |
| 90        | 2960                | 280SA      | 95.5          | 95.0         | 94.0         | 88.5          | 87.0         | 81.0         | 148.1         | 739              | 290           | 130               | 110          | 230             | 0.725                                        | 6.88                                            | 85                | 650                   |
|           | 1480                | 280SC      | 95.7          | 95.2         | 94.2         | 86.5          | 83.6         | 77.0         | 151.3         | 734              | 581           | 160               | 136          | 230             | 2.025                                        | 33.0                                            | 82                | 700                   |
|           | 985                 | 315SC      | 95.5          | 95.0         | 94.3         | 85.5          | 82.5         | 76.0         | 153.3         | 714              | 873           | 155               | 131          | 230             | 4.275                                        | 88.2                                            | 78                | 920                   |
| 110       | 2960                | 280MA      | 95.8          | 95.3         | 94.0         | 89.2          | 87.5         | 81.0         | 179.1         | 731              | 355           | 120               | 102          | 230             | 0.850                                        | 8.08                                            | 85                | 700                   |
|           | 1482                | 280MC      | 96.0          | 95.5         | 94.4         | 87.5          | 84.0         | 77.5         | 182.2         | 719              | 709           | 155               | 131          | 230             | 2.350                                        | 39.0                                            | 82                | 850                   |
|           | 985                 | 315MC      | 95.8          | 95           | 94.8         | 86.0          | 83.0         | 76.5         | 185.7         | 705              | 1067          | 150               | 127          | 220             | 4.975                                        | 105                                             | 78                | 1010                  |
| 132       | 2976                | 315SA      | 96.1          | 95.6         | 94.3         | 89.5          | 87.8         | 82.0         | 213.5         | 721              | 424           | 115               | 98           | 220             | 1.325                                        | 9.13                                            | 85                | 840                   |
|           | 1482                | 315SC      | 96.2          | 95.6         | 94.8         | 88.0          | 84.5         | 78.5         | 217.1         | 709              | 851           | 150               | 127          | 220             | 3.050                                        | 44.0                                            | 82                | 940                   |
|           | 986                 | 315MC      | 96.1          | 95.6         | 94.8         | 86.0          | 83.0         | 76.5         | 222.2         | 693              | 1279          | 150               | 127          | 220             | 5.675                                        | 120                                             | 78                | 1050                  |
| 150       | 2976                | 315MA      | 96.1          | 95.6         | 94.5         | 90.0          | 89.0         | 83.0         | 241.3         | 725              | 481           | 110               | 94           | 220             | 1.500                                        | 10.5                                            | 85                | 920                   |
|           | 1485                | 315MC      | 96.3          | 95.8         | 94.8         | 88.0          | 84.5         | 79.0         | 246.2         | 711              | 965           | 150               | 127          | 220             | 3.550                                        | 50.5                                            | 82                | 930                   |
| 185       | 2982                | 315MA      | 96.1          | 95.6         | 94.5         | 90.0          | 89.0         | 83.0         | 297.6         | 736              | 593           | 105               | 91           | 220             | 1.500                                        | 12.8                                            | 85                | 1000                  |
|           | 1486                | 315MB      | 96.3          | 95.8         | 94.8         | 88.5          | 85.0         | 79.5         | 302.0         | 725              | 1189          | 140               | 119          | 220             | 3.700                                        | 61.8                                            | 82                | 1100                  |

- Notes:**
1. All figures are based on tests carried out on 415 Volt 3-Phase Motors.
  2. Test Method: AS1359.5, Method B.
  3. Tolerance: AS1359.101
  4. dB(A): Mean Sound Pressure Level on no load at 1 metre.
  5. Motor data 8 pole and slower speeds not listed available on request.
  6. Data subject to change without notice.

## Typical Performance Data



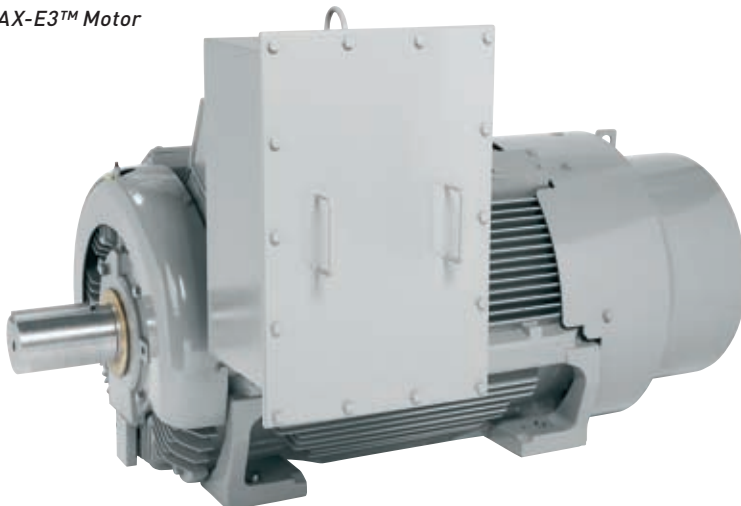
### TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

#### AEJE High Efficiency Range MAX-E3™ 315 to 450 Frame (415V 50Hz)

| Output kW | Full Load Speed RPM | Frame Size | Efficiency    |              |              | Power Factor  |              |              | Current       |                  | Torque        |                   |              |                 | Rotor Inertia J=GD <sup>2</sup> /4 Kg-m <sup>2</sup> | Weight Foot Mount Kgs |
|-----------|---------------------|------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------|---------------|-------------------|--------------|-----------------|------------------------------------------------------|-----------------------|
|           |                     |            | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (%) | 3/4 Load (%) | 1/2 Load (%) | Full Load (A) | Locked Rotor (%) | Full Load N-m | Locked Rotor %FLT | Pull Up %FLT | Break-Down %FLT |                                                      |                       |
| 150       | 985                 | 315AB      | 96.2          | 95.3         | 94.8         | 87.0          | 85.0         | 78.0         | 249           | 697              | 1454          | 110               | 99           | 220             | 7.28                                                 | 1400                  |
| 185       | 985                 | 315AB      | 95.5          | 95.0         | 93.5         | 87.0          | 85.0         | 79.0         | 312           | 673              | 1794          | 120               | 108          | 220             | 8.88                                                 | 1660                  |
|           | 737                 | 315CB      | 95.5          | 94.8         | 93.5         | 82.0          | 79.0         | 69.0         | 331           | 634              | 2397          | 110               | 99           | 220             | 11.73                                                | 1700                  |
| 220       | 2970                | 315AA      | 96.0          | 95.5         | 94.0         | 90.5          | 90.0         | 86.0         | 358           | 726              | 707           | 90                | 90           | 240             | 2.23                                                 | 1480                  |
|           | 1475                | 315AB      | 95.8          | 95.2         | 94.0         | 88.6          | 87.0         | 83.0         | 367           | 708              | 1424          | 100               | 95           | 240             | 5.85                                                 | 1450                  |
|           | 985                 | 315CB      | 95.6          | 95.2         | 94.2         | 87.4          | 85.0         | 78.0         | 373           | 697              | 2133          | 100               | 95           | 220             | 11.50                                                | 1800                  |
| 260       | 2970                | 315CA      | 96.0          | 95.5         | 94.0         | 90.5          | 89.5         | 86.0         | 418           | 718              | 836           | 85                | 85           | 240             | 2.85                                                 | 1580                  |
|           | 1480                | 315CB      | 96.0          | 95.5         | 94.0         | 88.6          | 87.0         | 83.0         | 427           | 703              | 1678          | 100               | 95           | 240             | 6.88                                                 | 1660                  |
|           | 985                 | 315DB      | 96.0          | 95.6         | 94.5         | 87.5          | 85.9         | 79.0         | 432           | 694              | 2521          | 90                | 90           | 220             | 12.93                                                | 1950                  |
| 300       | 2975                | 315DA      | 96.3          | 95.8         | 94.5         | 91.2          | 90.0         | 87.0         | 473           | 740              | 963           | 85                | 85           | 240             | 3.35                                                 | 1750                  |
|           | 1480                | 315CB      | 96.3          | 95.8         | 94.5         | 88.5          | 87.0         | 83.3         | 487           | 719              | 1936          | 110               | 99           | 240             | 7.60                                                 | 1800                  |
|           | 985                 | 355AB      | 96.0          | 95.6         | 94.5         | 87.5          | 86.0         | 80.0         | 494           | 709              | 2909          | 90                | 90           | 220             | 19.15                                                | 2200                  |
| 335       | 2975                | 315DA      | 96.4          | 96.0         | 94.5         | 91.2          | 90.0         | 87.0         | 531           | 744              | 1075          | 85                | 85           | 240             | 3.90                                                 | 1850                  |
|           | 1480                | 315DB      | 96.3          | 95.8         | 94.5         | 88.5          | 87.0         | 83.8         | 548           | 712              | 2162          | 100               | 95           | 240             | 8.63                                                 | 1900                  |
|           | 987                 | 355CB      | 96.0          | 95.6         | 94.5         | 88.0          | 86.0         | 80.0         | 553           | 736              | 3241          | 90                | 90           | 210             | 21.00                                                | 2600                  |
| 370       | 2975                | 355AA      | 96.4          | 96.0         | 94.8         | 91.5          | 90.0         | 89.0         | 588           | 731              | 1188          | 85                | 85           | 240             | 4.73                                                 | 2000                  |
|           | 1480                | 355AB      | 96.5          | 96.0         | 94.8         | 88.5          | 87.0         | 83.5         | 608           | 707              | 2388          | 100               | 95           | 230             | 12.13                                                | 2150                  |
|           | 987                 | 400AB      | 96.3          | 95.8         | 94.8         | 87.5          | 86.0         | 80.0         | 616           | 698              | 3580          | 85                | 85           | 200             | 22.65                                                | 2800                  |
| 450       | 2978                | 400CA      | 96.5          | 96.1         | 94.8         | 91.5          | 90.0         | 88.0         | 705           | 737              | 1443          | 80                | 80           | 240             | 7.70                                                 | 3000                  |
|           | 1485                | 355CB      | 96.6          | 96.0         | 94.8         | 88.5          | 87.0         | 83.5         | 728           | 714              | 2894          | 95                | 95           | 230             | 13.45                                                | 2500                  |
|           | 987                 | 400AB      | 96.3          | 95.8         | 94.8         | 87.5          | 86.0         | 80.0         | 739           | 704              | 4354          | 80                | 80           | 210             | 24.95                                                | 3000                  |
| 520       | 2978                | 400CA      | 96.5          | 96.1         | 94.8         | 91.5          | 90.0         | 88.0         | 822           | 745              | 1668          | 80                | 80           | 240             | 8.73                                                 | 3200                  |
|           | 1485                | 400AB      | 96.6          | 96.0         | 94.8         | 89.0          | 88.0         | 84.0         | 845           | 724              | 3344          | 80                | 80           | 230             | 22.01                                                | 2900                  |
|           | 987                 | 400CB      | 96.3          | 95.8         | 94.8         | 88.0          | 86.0         | 80.0         | 857           | 664              | 5031          | 80                | 80           | 210             | 28.50                                                | 3400                  |
| 600       | 2980                | 450AA      | 96.5          | 96.1         | 94.8         | 91.5          | 90.0         | 88.0         | 940           | 745              | 1923          | 80                | 80           | 240             | 15.75                                                | 4000                  |
|           | 1485                | 400CB      | 96.6          | 96.0         | 94.8         | 89.0          | 87.5         | 84.0         | 965           | 725              | 3859          | 80                | 80           | 230             | 25.00                                                | 3400                  |
|           | 987                 | 450AB      | 96.5          | 95.0         | 94.8         | 89.0          | 86.0         | 80.0         | 978           | 716              | 5806          | 80                | 80           | 210             | 45.50                                                | 4000                  |
| 670       | 1486                | 450AB      | 96.6          | 96.0         | 95.0         | 89.5          | 87.5         | 84.0         | 1080          | 731              | 4306          | 80                | 80           | 230             | 34.25                                                | 4100                  |

- Notes:**
1. All figures are based on tests carried out on 415 Volt3-Phase Motors.
  2. Test Method: AS1359.5, Method B.
  3. Tolerance: AS1359.101
  4. dB(A): Mean Sound Pressure Level on no load at 1 metre.
  5. Motor data 8 pole and slower speeds not listed available on request.
  6. Data subject to change without notice.

#### AEJE MAX-E3™ Motor



## TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

## Frame 63 - 132 Foot Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

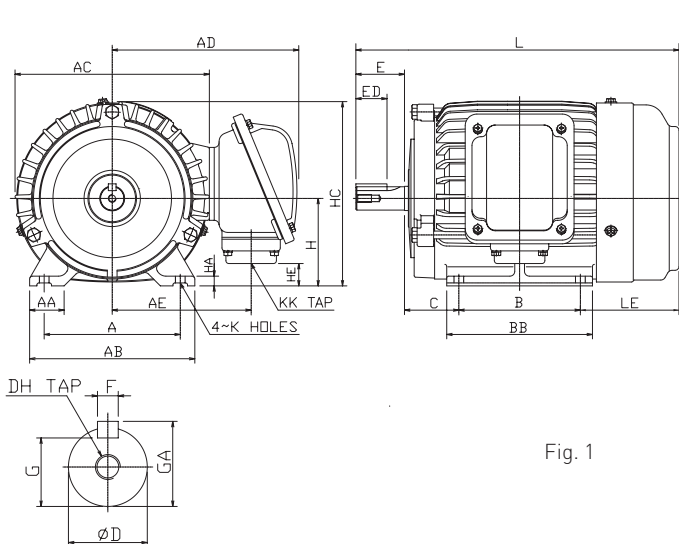


Fig. 1

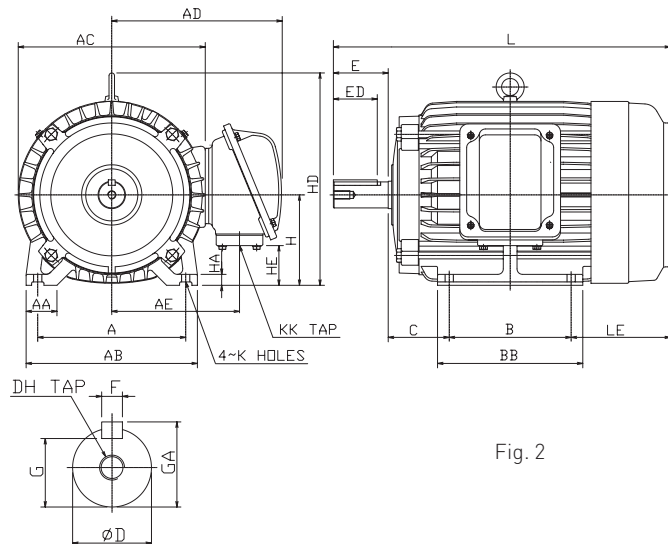


Fig. 2

| Output (kW) |             |             |            | Frame Size | Fig. No. | Dimensions (mm) |      |     |     |     |     |     |     |    |     |      |     |     |
|-------------|-------------|-------------|------------|------------|----------|-----------------|------|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|
| 2P          | 4P          | 6P          | 8P         |            |          | A               | AA   | AB  | AC  | AD  | AE  | B   | BB  | C  | H   | HA   | HC  | HD  |
| 0.18        | 0.18        | -           | -          | 63         | 1        | 100             | 28   | 120 | 144 | 138 | 100 | 80  | 100 | 40 | 63  | 8    | 135 | -   |
| 0.37 / 0.55 | 0.37        | 0.18        | -          | 71         |          | 112             | 35.5 | 140 | 162 | 148 | 110 | 90  | 115 | 45 | 71  | 8    | 152 | -   |
| 0.75 / 1.1  | 0.55 / 0.75 | 0.37 / 0.55 | 0.18       | 80         |          | 125             | 35.5 | 155 | 177 | 179 | 130 | 100 | 130 | 50 | 80  | 9    | 168 | -   |
| 1.5         | 1.1         | 0.75        | 0.37       | 90S        |          | 140             | 35.5 | 170 | 200 | 192 | 143 | 100 | 130 | 56 | 90  | 10   | 190 | -   |
| 2.2         | 1.5         | 1.1         | 0.55       | 90L        | 2        | 140             | 35.5 | 170 | 200 | 192 | 143 | 125 | 150 | 56 | 90  | 10   | 190 | -   |
| 3           | 2.2 / 3     | 1.5         | 0.75 / 1.1 | 100L       |          | 160             | 45   | 195 | 219 | 202 | 153 | 140 | 175 | 63 | 100 | 12.5 | -   | 243 |
| 4           | 4           | 2.2         | 1.5        | 112M       |          | 190             | 45   | 224 | 238 | 211 | 162 | 140 | 175 | 70 | 112 | 14   | -   | 265 |
| 5.5 / 7.5   | 5.5         | 3           | 2.2        | 132S       |          | 216             | 45   | 250 | 273 | 249 | 187 | 140 | 175 | 89 | 132 | 16   | -   | 310 |
| -           | 7.5         | 4 / 5.5     | 3          | 132M       |          | 216             | 45   | 250 | 273 | 249 | 187 | 178 | 212 | 89 | 132 | 16   | -   | 310 |

| Frame Size |    |    |            |       |       | Shaft Extension |    |    |    |      |      |          | Bearings |        |
|------------|----|----|------------|-------|-------|-----------------|----|----|----|------|------|----------|----------|--------|
|            | HE | K  | KK         | L     | LE    | D               | E  | ED | F  | G    | GA   | DH       | DE       | NDE    |
| 63         | 10 | 7  | M20 × P1.5 | 219   | 76    | 11              | 23 | 18 | 4  | 8.5  | 12.5 | M4 × 8   | 6201ZZ   | 6201ZZ |
| 71         | 35 | 7  | M20 × P1.5 | 250.5 | 85.5  | 14              | 30 | 24 | 5  | 11   | 16   | M5 × 10  | 6202ZZ   | 6202ZZ |
| 80         | 13 | 10 | M25 × P1.5 | 282.5 | 92.5  | 19              | 40 | 25 | 6  | 15.5 | 21.5 | M6 × 12  | 6204ZZ   | 6204ZZ |
| 90S        | 23 | 10 | M25 × P1.5 | 307.5 | 101.5 | 24              | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 90L        | 23 | 10 | M25 × P1.5 | 332.5 | 101.5 | 24              | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 100L       | 33 | 12 | M25 × P1.5 | 374.5 | 111.5 | 28              | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6206ZZ   | 6305ZZ |
| 112M       | 45 | 12 | M25 × P1.5 | 391.5 | 121.5 | 28              | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6306ZZ   | 6306ZZ |
| 132S       | 58 | 12 | M40 × P1.5 | 454   | 145   | 38              | 80 | 64 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |
| 132M       | 58 | 12 | M40 × P1.5 | 492   | 145   | 38              | 80 | 64 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |

- Notes: 1. Tolerance: Refer to page 33.  
2. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

## Frame 160 - 250 Foot Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

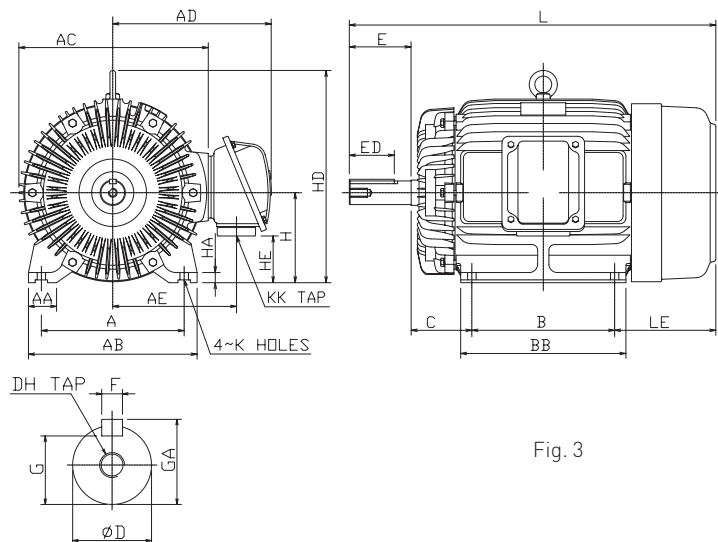


Fig. 3

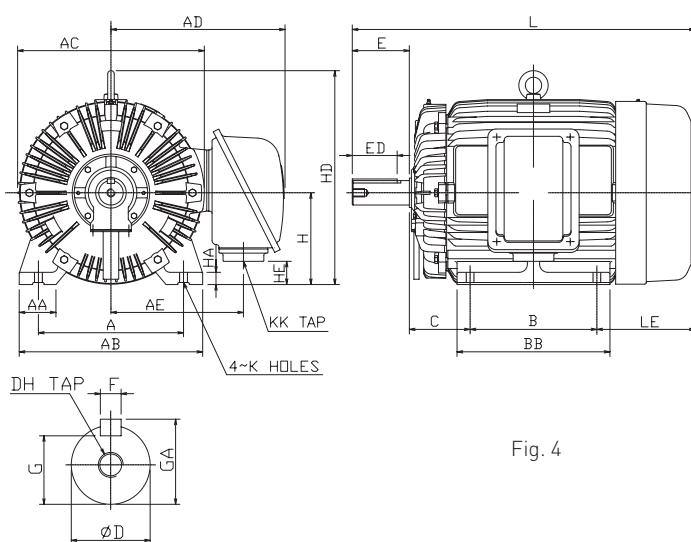


Fig. 4

| Output (kW) |      |           |         | Frame Size | Fig. No. | Dimensions (mm) |     |     |     |     |     |     |     |     |     |    |     |
|-------------|------|-----------|---------|------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| 2P          | 4P   | 6P        | 8P      |            |          | A               | AA  | AB  | AC  | AD  | AE  | B   | BB  | C   | H   | HA | HD  |
| 11 / 15     | 11   | 7.5       | 4 / 5.5 | 160M       | 3        | 254             | 50  | 300 | 334 | 287 | 225 | 210 | 250 | 108 | 160 | 18 | 377 |
| 18.5        | 15   | 11        | 7.5     | 160L       |          | 254             | 50  | 300 | 334 | 287 | 225 | 254 | 300 | 108 | 160 | 18 | 377 |
| 22          | -    | -         | -       | 180MA      | 4        | 279             | 75  | 355 | 382 | 312 | 250 | 241 | 297 | 121 | 180 | 20 | 421 |
| -           | 18.5 | -         | -       | 180MC      | 3        | 279             | 75  | 355 | 382 | 312 | 250 | 241 | 297 | 121 | 180 | 20 | 421 |
| -           | 22   | 15        | 11      | 180LC      |          | 279             | 75  | 355 | 382 | 312 | 250 | 279 | 335 | 121 | 180 | 20 | 421 |
| 30 / 37     | -    | -         | -       | 200LA      | 4        | 318             | 80  | 400 | 420 | 374 | 287 | 305 | 365 | 133 | 200 | 25 | 469 |
| -           | 30   | 18.5 / 22 | 15      | 200LC      |          | 318             | 80  | 400 | 420 | 374 | 287 | 305 | 365 | 133 | 200 | 25 | 469 |
| -           | 37   | -         | 18.5    | 225SC      |          | 356             | 90  | 450 | 458 | 427 | 330 | 286 | 350 | 149 | 225 | 30 | 524 |
| 45          | -    | -         | -       | 225MA      |          | 356             | 90  | 450 | 458 | 427 | 330 | 311 | 375 | 149 | 225 | 30 | 524 |
| -           | 45   | 30        | 22      | 225MC      |          | 356             | 90  | 450 | 458 | 427 | 330 | 311 | 375 | 149 | 225 | 30 | 524 |
| 55          | -    | -         | -       | 250SA      |          | 406             | 100 | 500 | 510 | 493 | 375 | 311 | 385 | 168 | 250 | 36 | 575 |
| -           | 55   | 37        | 30      | 250SC      |          | 406             | 100 | 500 | 510 | 493 | 375 | 311 | 385 | 168 | 250 | 36 | 575 |
| 75          | -    | -         | -       | 250MA      |          | 406             | 100 | 500 | 510 | 493 | 375 | 349 | 425 | 168 | 250 | 36 | 575 |
| -           | 75   | 45        | 37      | 250MC      |          | 406             | 100 | 500 | 510 | 493 | 375 | 349 | 425 | 168 | 250 | 36 | 575 |

| Frame Size |     |      |            |       |       | Shaft Extension |     |     |    |      |      |          | Bearings |          |
|------------|-----|------|------------|-------|-------|-----------------|-----|-----|----|------|------|----------|----------|----------|
|            | HE  | K    | KK         | L     | LE    | D               | E   | ED  | F  | G    | GA   | DH       | DE       | NDE      |
| 160M       | 83  | 14.5 | M40 × P1.5 | 608   | 180   | 42              | 110 | 80  | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ   |
| 160L       | 83  | 14.5 | M40 × P1.5 | 652   | 180   | 42              | 110 | 80  | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ   |
| 180MA      | 103 | 14.5 | M40 × P1.5 | 672   | 200   | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | [6211C3] | [6211C3] |
| 180MC      | 103 | 14.5 | M40 × P1.5 | 672   | 200   | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ   |
| 180LC      | 103 | 14.5 | M40 × P1.5 | 710   | 200   | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ   |
| 200LA      | 88  | 18.5 | M50 × P1.5 | 770   | 222   | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | [6312C3] | [6212C3] |
| 200LC      | 88  | 18.5 | M50 × P1.5 | 770   | 222   | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | 6312     | 6212     |
| 225SC      | 57  | 18.5 | M50 × P1.5 | 816   | 241   | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313     | 6213     |
| 225MA      | 57  | 18.5 | M50 × P1.5 | 811   | 241   | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | [6312C3] | [6212C3] |
| 225MC      | 57  | 18.5 | M50 × P1.5 | 841   | 241   | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313     | 6213     |
| 250SA      | 42  | 24   | M63 × P1.5 | 882.5 | 263.5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | [6313C3] | [6213C3] |
| 250SC      | 42  | 24   | M63 × P1.5 | 882.5 | 263.5 | 70              | 140 | 110 | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313     |
| 250MA      | 42  | 24   | M63 × P1.5 | 920.5 | 263.5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | [6313C3] | [6213C3] |
| 250MC      | 42  | 24   | M63 × P1.5 | 920.5 | 263.5 | 70              | 140 | 110 | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313     |

- Notes: 1. Tolerance: Refer to page 33.  
 2. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

### Frame 280 - 315 Foot Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

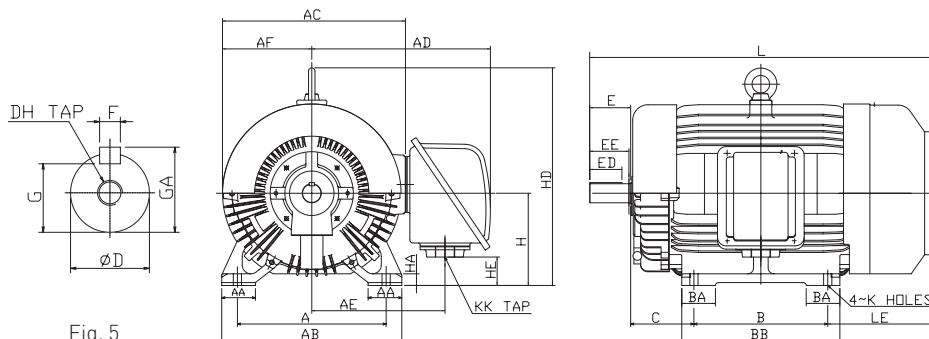


Fig. 5

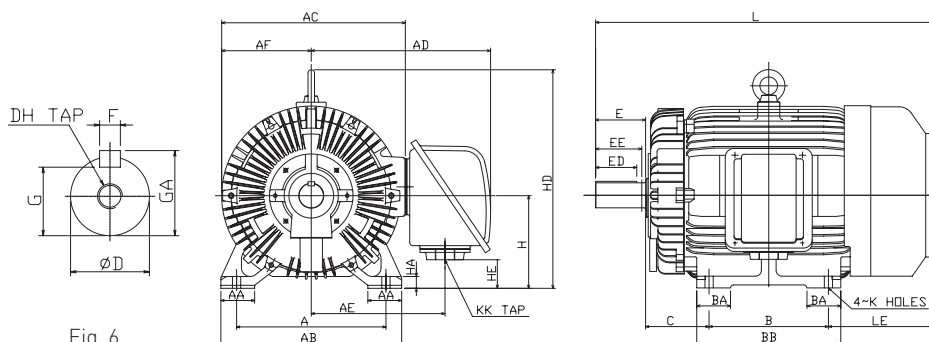


Fig. 6

| Output (kW) |     |           |    | Frame Size | Fig. No. | Dimensions (mm) |     |     |     |     |     |     |     |     |     |     |     |    |
|-------------|-----|-----------|----|------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 2P          | 4P  | 6P        | 8P |            |          | A               | AA  | AB  | AC  | AD  | AE  | AF  | B   | BA  | BB  | C   | H   | HA |
| 90          | -   | -         | -  | 280SA      | 5        | 457             | 110 | 560 | 625 | 610 | 455 | 305 | 368 | 110 | 445 | 190 | 280 | 36 |
| -           | 90  | 55        | 45 | 280SC      | 6        | 457             | 110 | 560 | 625 | 610 | 455 | 305 | 368 | 110 | 445 | 190 | 280 | 36 |
| 110         | -   | -         | -  | 280MA      | 5        | 457             | 110 | 560 | 625 | 610 | 455 | 305 | 419 | 130 | 495 | 190 | 280 | 36 |
| -           | 110 | 75        | 55 | 280MC      | 6        | 457             | 110 | 560 | 625 | 610 | 455 | 305 | 419 | 130 | 495 | 190 | 280 | 36 |
| 132         | -   | -         | -  | 315SA      | 5        | 508             | 115 | 615 | 625 | 610 | 455 | 305 | 406 | 115 | 490 | 216 | 315 | 40 |
| -           | 132 | 90        | 75 | 315SC      | 6        | 508             | 115 | 615 | 625 | 610 | 455 | 305 | 406 | 115 | 490 | 216 | 315 | 40 |
| 150 / 185   | -   | -         | -  | 315MA      | 5        | 508             | 115 | 615 | 625 | 610 | 455 | 305 | 457 | 115 | 540 | 216 | 315 | 40 |
| -           | 150 | 110 / 132 | 90 | 315MC      | 6        | 508             | 115 | 615 | 625 | 610 | 455 | 305 | 457 | 115 | 540 | 216 | 315 | 40 |
| -           | 185 | -         | -  | 315MB*     | 6        | 508             | 115 | 615 | 625 | 610 | 455 | 305 | 457 | 115 | 540 | 216 | 315 | 40 |

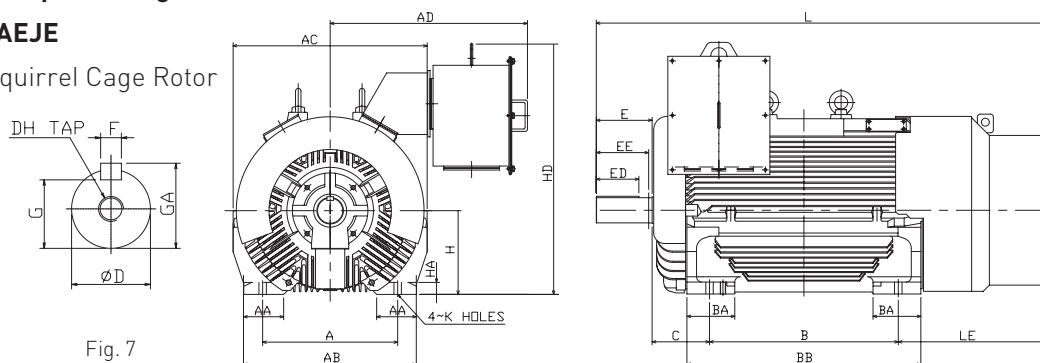
| Frame Size |     |     |    |            |      |     | Shaft Extension |     |     |     |    |    |    |          | Bearings |        |
|------------|-----|-----|----|------------|------|-----|-----------------|-----|-----|-----|----|----|----|----------|----------|--------|
|            | HD  | HE  | K  | KK         | L    | LE  | D               | E   | ED  | EE  | F  | G  | GA | DH       | DE       | NDE    |
| 280SA      | 710 | 91  | 24 | M63 × P1.5 | 1042 | 344 | 65              | 140 | 110 | 134 | 18 | 58 | 69 | M20 × 30 | 6314C3   | 6314C3 |
| 280SC      | 710 | 91  | 24 | M63 × P1.5 | 1072 | 344 | 80              | 170 | 140 | 157 | 22 | 71 | 85 | M20 × 30 | NU318C3  | 6316   |
| 280MA      | 710 | 91  | 24 | M63 × P1.5 | 1092 | 343 | 65              | 140 | 110 | 134 | 18 | 58 | 69 | M20 × 30 | 6314C3   | 6314C3 |
| 280MC      | 710 | 91  | 24 | M63 × P1.5 | 1122 | 343 | 80              | 170 | 140 | 157 | 22 | 71 | 85 | M20 × 30 | NU318C3  | 6316   |
| 315SA      | 743 | 126 | 28 | M63 × P1.5 | 1131 | 369 | 65              | 140 | 110 | 134 | 18 | 58 | 69 | M20 × 30 | 6314C3   | 6314C3 |
| 315SC      | 743 | 126 | 28 | M63 × P1.5 | 1161 | 369 | 85              | 170 | 140 | 157 | 22 | 76 | 90 | M20 × 30 | NU320C3  | 6316   |
| 315MA      | 743 | 126 | 28 | M63 × P1.5 | 1182 | 369 | 65              | 140 | 110 | 134 | 18 | 58 | 69 | M20 × 30 | 6314C3   | 6314C3 |
| 315MC      | 743 | 126 | 28 | M63 × P1.5 | 1212 | 369 | 85              | 170 | 140 | 157 | 22 | 76 | 90 | M20 × 30 | NU320C3  | 6316   |
| 315MB      | 743 | 126 | 28 | M63 × P1.5 | 1212 | 369 | 85*             | 170 | 140 | 157 | 22 | 76 | 90 | M20 × 30 | NU320C3  | 6316   |

- Notes:
- \* Also available with 95mm DIA shaft as MAX-E Mining spec, refer to TECO for detail.
  - Tolerance: Refer to page 33.
  - Usable Shaft Length: EE
  - Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Cage Induction Motors

## Frame 315 - 450 Foot Mount AEJE

Totally Enclosed Fan Cooled Squirrel Cage Rotor



| Output (kW) |           |           |             | Frame Size | Fig. No. | Dimensions (mm) |     |     |     |      |      |     |      |     |     |    |
|-------------|-----------|-----------|-------------|------------|----------|-----------------|-----|-----|-----|------|------|-----|------|-----|-----|----|
| 2P          | 4P        | 6P        | 8P          |            |          | A               | AA  | AB  | AC  | AD   | B    | BA  | BB   | C   | H   | HA |
| 220         | -         | -         | -           | 315AA      | 7        | 508             | 150 | 650 | 730 | 846  | 560  | 180 | 730  | 216 | 315 | 45 |
| -           | 220       | 150 / 185 | 110/132/150 | 315AB      |          | 508             | 150 | 650 | 730 | 846  | 560  | 180 | 730  | 216 | 315 | 45 |
| 260         | -         | -         | -           | 315CA      |          | 508             | 150 | 650 | 730 | 846  | 710  | 180 | 880  | 216 | 315 | 45 |
| -           | 260 / 300 | 220       | 185         | 315CB      |          | 508             | 150 | 650 | 730 | 846  | 710  | 180 | 880  | 216 | 315 | 45 |
| 300 / 335   | -         | -         | -           | 315DA      |          | 508             | 150 | 650 | 730 | 846  | 910  | 180 | 1080 | 216 | 315 | 45 |
| -           | 335       | 260       | 220         | 315DB      |          | 508             | 150 | 650 | 730 | 846  | 910  | 180 | 1080 | 216 | 315 | 45 |
| 370         | -         | -         | -           | 355AA      |          | 610             | 150 | 750 | 810 | 959  | 710  | 210 | 930  | 254 | 355 | 45 |
| -           | 370       | 300       | 260         | 355AB      |          | 610             | 150 | 750 | 810 | 959  | 710  | 210 | 930  | 254 | 355 | 45 |
| -           | 450       | 335       | 300         | 355CB      |          | 610             | 150 | 750 | 810 | 959  | 900  | 210 | 1120 | 254 | 355 | 45 |
| -           | 520       | 370 / 450 | 335         | 400AB      |          | 686             | 150 | 810 | 860 | 976  | 800  | 245 | 1060 | 280 | 400 | 40 |
| 450 / 520   | -         | -         | -           | 400CA      |          | 686             | 150 | 810 | 860 | 976  | 1000 | 245 | 1260 | 280 | 400 | 40 |
| -           | 600       | 520       | 370         | 400CB      |          | 686             | 150 | 810 | 860 | 976  | 1000 | 245 | 1260 | 280 | 400 | 40 |
| 600         | -         | -         | -           | 450AA      |          | 750             | 180 | 890 | 986 | 1004 | 900  | 270 | 1230 | 315 | 450 | 50 |
| -           | 670       | 600       | 450 / 520   | 450AB      |          | 750             | 180 | 890 | 986 | 1004 | 900  | 270 | 1230 | 315 | 450 | 50 |

| Frame Size |      |    |      |     | Shaft Extension - Direct Drive |     |     |     |    |      |      |          | Bearings |        |
|------------|------|----|------|-----|--------------------------------|-----|-----|-----|----|------|------|----------|----------|--------|
|            | HD   | K  | L    | LE  | D                              | E   | ED  | EE  | F  | G    | GA   | DH       | DE       | NDE    |
| 315AA      | 1042 | 28 | 1601 | 685 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 315AB      | 1042 | 28 | 1496 | 550 | 95                             | 170 | 140 | 157 | 25 | 86   | 100  | M24 × 48 | 6320     | 6320   |
| 315CA      | 1042 | 28 | 1751 | 685 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 315CB      | 1042 | 28 | 1646 | 550 | 95                             | 170 | 140 | 157 | 25 | 86   | 100  | M24 × 48 | 6320     | 6320   |
| 315DA      | 1042 | 28 | 1951 | 685 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 315DB      | 1042 | 28 | 1846 | 550 | 95                             | 170 | 140 | 157 | 25 | 86   | 100  | M24 × 48 | 6320     | 6320   |
| 355AA      | 1227 | 28 | 1854 | 750 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 355AB      | 1227 | 28 | 1699 | 565 | 95                             | 170 | 140 | 157 | 25 | 86   | 100  | M24 × 48 | 6322     | 6320   |
| 355CB      | 1227 | 28 | 1889 | 565 | 95                             | 170 | 140 | 157 | 25 | 86   | 100  | M24 × 48 | 6322     | 6320   |
| 400AB      | 1278 | 35 | 1910 | 620 | 110                            | 210 | 160 | 197 | 28 | 100  | 116  | M24 × 48 | 6324     | 6320   |
| 400CA      | 1278 | 35 | 2200 | 780 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 400CB      | 1278 | 35 | 2110 | 620 | 110                            | 210 | 160 | 197 | 28 | 100  | 116  | M24 × 48 | 6324     | 6320   |
| 450AA      | 1348 | 35 | 2240 | 885 | 70                             | 140 | 110 | 134 | 20 | 62.5 | 74.5 | M20 × 40 | 6315C3   | 6315C3 |
| 450AB*     | 1348 | 35 | 2220 | 795 | 110                            | 210 | 160 | 197 | 28 | 100  | 116  | M24 × 48 | 6324     | 6322   |
| 450AB**    | 1348 | 35 | 2125 | 700 | 110                            | 210 | 160 | 197 | 28 | 100  | 116  | M24 × 48 | 6324     | 6322   |

| Frame Size | Output (kW) |           |      |     |     |     | Shaft Extension Belt Drive - Max-E Mining |     |    |     |     |          | Bearings |      |
|------------|-------------|-----------|------|-----|-----|-----|-------------------------------------------|-----|----|-----|-----|----------|----------|------|
|            | 4P          | 6P        | L    | LE  | D   | E   | ED                                        | EE  | F  | G   | GA  | DH       | DE       | NDE  |
| 315AC      | 220         | 150 / 185 | 1536 | 550 | 110 | 210 | 160                                       | 197 | 28 | 100 | 116 | M24 × 48 | NU324C3  | 6320 |
| 315CC      | 250         | -         | 1686 | 550 | 110 | 210 | 160                                       | 197 | 28 | 100 | 116 | M24 × 48 | NU324C3  | 6320 |
| 315CC      | 300         | 220       | 1686 | 550 | 125 | 210 | 160                                       | 197 | 32 | 114 | 132 | M24 × 48 | NU326C3  | 6320 |
| 315DC      | -           | 260       | 1886 | 550 | 125 | 210 | 160                                       | 197 | 32 | 114 | 132 | M24 × 48 | NU326C3  | 6320 |
| 355AC      | 375         | 315       | 1789 | 615 | 125 | 210 | 160                                       | 197 | 32 | 114 | 132 | M24 × 48 | NU326C3  | 6322 |

Notes: 1. Tolerance: Refer to page 33  
 2. Usable Shaft Length: EE  
 3. L and LE dimensions differ on 450AB frame for (4 pole\*) (6 and 8 pole\*\*).

4. Fitted with undrilled blank gland plate.  
 5. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Induction Motors

## Frame 63 - 132 Flange Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

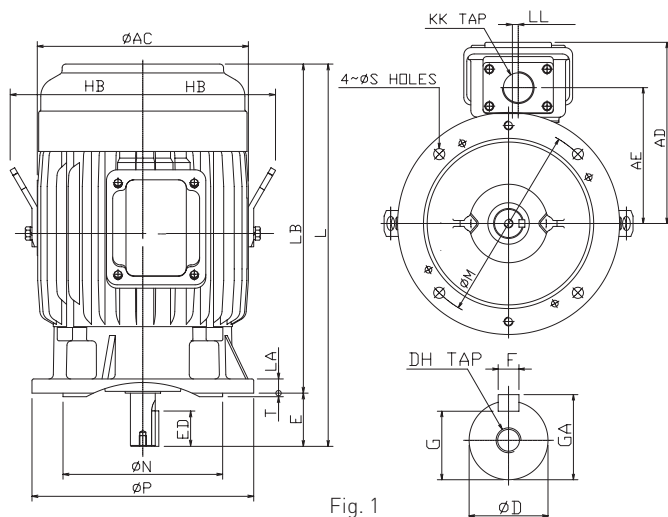


Fig. 1

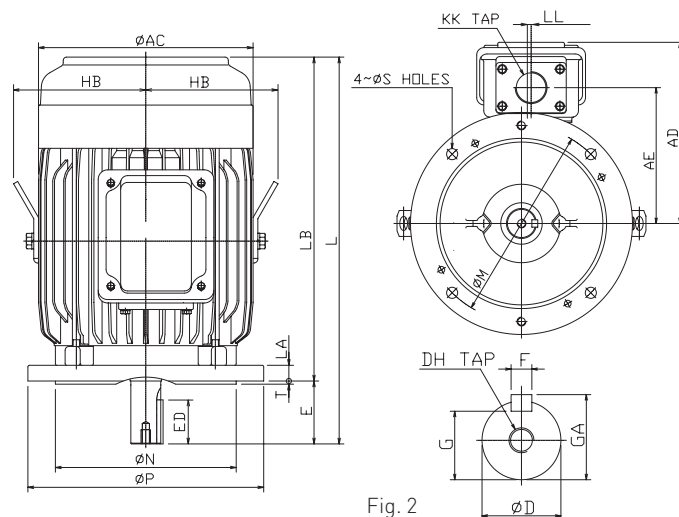


Fig. 2

| Output (kW) |             |             |            | Frame Size | Fig. No. | Dimensions (mm) |     |     |     |            |     |    |     |    |     | Flange |     |  |
|-------------|-------------|-------------|------------|------------|----------|-----------------|-----|-----|-----|------------|-----|----|-----|----|-----|--------|-----|--|
| 2P          | 4P          | 6P          | 8P         |            |          | AC              | AD  | AE  | HB  | KK         | L   | LA | LB  | LL | M   | N      | P   |  |
| 0.18        | 0.18        | -           | -          | 63         | 1        | 144             | 138 | 100 | -   | M20 × P1.5 | 225 | 12 | 235 | 0  | 115 | 95     | 140 |  |
| 0.37 / 0.55 | 0.37        | 0.18        | -          | 71         |          | 162             | 148 | 110 | -   | M20 × P1.5 | 278 | 12 | 248 | 17 | 130 | 110    | 160 |  |
| 0.75 / 1.1  | 0.55 / 0.75 | 0.37 / 0.55 | 0.18       | 80         | 2        | 177             | 179 | 130 | -   | M25 × P1.5 | 280 | 12 | 240 | 15 | 165 | 130    | 200 |  |
| 1.5         | 1.1         | 0.75        | 0.37       | 90S        | 1        | 200             | 192 | 143 | -   | M25 × P1.5 | 347 | 12 | 297 | 15 | 165 | 130    | 200 |  |
| 2.2         | 1.5         | 1.1         | 0.55       | 90L        |          | 200             | 192 | 143 | -   | M25 × P1.5 | 372 | 12 | 322 | 15 | 165 | 130    | 200 |  |
| 3           | 2.2 / 3     | 1.5         | 0.75 / 1.1 | 100L       | 2        | 219             | 202 | 153 | 140 | M25 × P1.5 | 375 | 16 | 315 | 15 | 215 | 180    | 250 |  |
| 4           | 4           | 2.2         | 1.5        | 112M       | 1        | 238             | 211 | 162 | 150 | M25 × P1.5 | 431 | 16 | 371 | 15 | 215 | 180    | 250 |  |
| 5.5 / 7.5   | 5.5         | 3           | 2.2        | 132S       | 2        | 273             | 249 | 187 | 169 | M40 × P1.5 | 454 | 20 | 374 | 13 | 265 | 230    | 300 |  |
| -           | 7.5         | 4 / 5.5     | 3          | 132M       |          | 273             | 249 | 187 | 169 | M40 × P1.5 | 484 | 20 | 404 | 13 | 265 | 230    | 300 |  |

| Frame Size | Flange |     | Shaft Extension |    |    |    |    |      |      |          | Bearings |        |
|------------|--------|-----|-----------------|----|----|----|----|------|------|----------|----------|--------|
|            | S      | T   | Q               | D  | E  | ED | F  | G    | GA   | DH       | DE       | NDE    |
| 63         | 10     | 3   | 45              | 11 | 23 | 18 | 4  | 8.5  | 12.5 | M4 × 8   | 6201ZZ   | 6201ZZ |
| 71         | 10     | 3.5 | 45              | 14 | 30 | 24 | 5  | 11   | 16   | M5 × 10  | 6202ZZ   | 6202ZZ |
| 80         | 12     | 3.5 | 45              | 19 | 40 | 25 | 6  | 15.5 | 21.5 | M6 × 12  | 6204ZZ   | 6204ZZ |
| 90S        | 12     | 3.5 | 45              | 24 | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 90L        | 12     | 3.5 | 45              | 24 | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 100L       | 14.5   | 4   | 45              | 28 | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6206ZZ   | 6305ZZ |
| 112M       | 14.5   | 4   | 45              | 28 | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6306ZZ   | 6306ZZ |
| 132S       | 14.5   | 4   | 40              | 38 | 80 | 56 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |
| 132M       | 14.5   | 4   | 40              | 38 | 80 | 56 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |

- Notes:
1. Tolerance: Refer to page 33.
  2. Lifting lugs not provided on frames D90 and smaller.
  3. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Induction Motors

### Frame 160 - 250 Flange Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

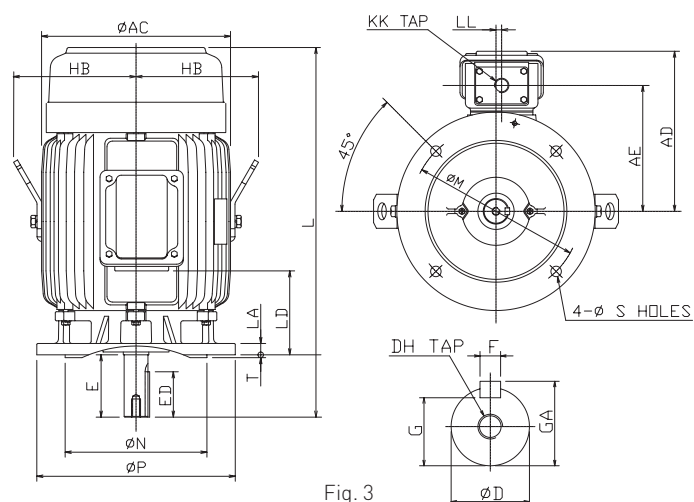


Fig. 3

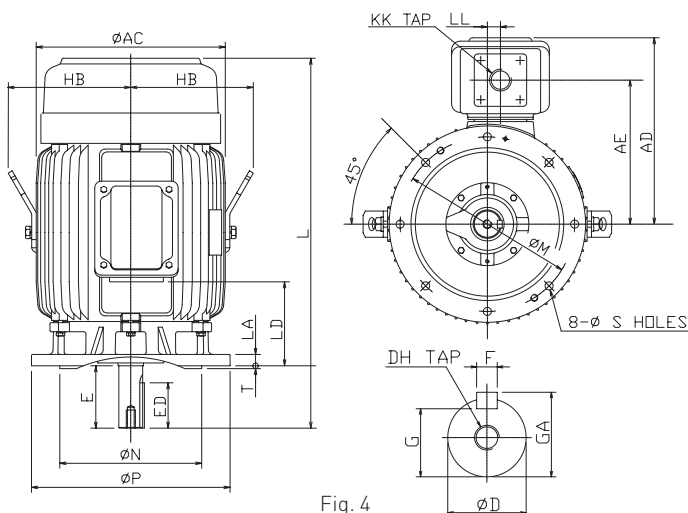


Fig. 4

| Output (kW) |      |           |         | Frame Size | Fig. No. | Dimensions (mm) |     |     |            |            |       |     |     |     |     | Flange |     |  |
|-------------|------|-----------|---------|------------|----------|-----------------|-----|-----|------------|------------|-------|-----|-----|-----|-----|--------|-----|--|
| 2P          | 4P   | 6P        | 8P      |            |          | AC              | AD  | AE  | HB         | KK         | L     | LA  | LD  | LL  | M   | N      | P   |  |
| 11 / 15     | 11   | 7.5       | 4 / 5.5 | 160M       | 3        | 334             | 287 | 225 | 217        | M40 × P1.5 | 608   | 20  | 126 | 10  | 300 | 250    | 350 |  |
| 18.5        | 15   | 11        | 7.5     | 160L       |          | 334             | 287 | 225 | 217        | M40 × P1.5 | 652   | 20  | 148 | 10  | 300 | 250    | 350 |  |
| 22          |      |           |         | 180MA      |          | 382             | 312 | 250 | 241        | M40 × P1.5 | 672   | 20  | 155 | 10  | 300 | 250    | 350 |  |
|             | 18.5 |           |         | 180MC      |          | 382             | 312 | 250 | 241        | M40 × P1.5 | 672   | 20  | 155 | 10  | 300 | 250    | 350 |  |
|             | 22   | 15        | 11      | 180LC      |          | 382             | 312 | 250 | 241        | M40 × P1.5 | 710   | 20  | 174 | 10  | 300 | 250    | 350 |  |
| 30 / 37     |      |           |         | 200LA      |          | 420             | 374 | 287 | 260        | M50 × P1.5 | 770   | 20  | 154 | 20  | 350 | 300    | 400 |  |
|             | 30   | 18.5 / 22 | 15      | 200LC      | 420      | 374             | 287 | 260 | M50 × P1.5 | 770        | 20    | 154 | 20  | 350 | 300 | 400    |     |  |
|             | 37   |           | 18.5    | 225SC      | 4        | 458             | 427 | 330 | 286        | M50 × P1.5 | 816   | 22  | 94  | 30  | 400 | 350    | 450 |  |
| 45          |      |           |         | 225MA      |          | 458             | 427 | 330 | 286        | M50 × P1.5 | 811   | 22  | 107 | 30  | 400 | 350    | 450 |  |
|             | 45   | 30        | 22      | 225MC      |          | 458             | 427 | 330 | 286        | M50 × P1.5 | 841   | 22  | 107 | 30  | 400 | 350    | 450 |  |
| 55          |      |           |         | 250SA      |          | 510             | 493 | 375 | 312        | M63 × P1.5 | 882.5 | 22  | 86  | 30  | 500 | 450    | 550 |  |
|             | 55   | 37        | 30      | 250SC      |          | 510             | 493 | 375 | 312        | M63 × P1.5 | 882.5 | 22  | 86  | 30  | 500 | 450    | 550 |  |
| 75          |      |           |         | 250MA      |          | 510             | 493 | 375 | 312        | M63 × P1.5 | 920.5 | 22  | 105 | 30  | 500 | 450    | 550 |  |
|             | 75   | 45        | 37      | 250MC      |          | 510             | 493 | 375 | 312        | M63 × P1.5 | 920.5 | 22  | 105 | 30  | 500 | 450    | 550 |  |

| Frame Size | Flange |   | Shaft Extension |     |     |    |      |      |          | Bearings |        |
|------------|--------|---|-----------------|-----|-----|----|------|------|----------|----------|--------|
|            | S      | T | D               | E   | ED  | F  | G    | GA   | DH       | DE       | NDE    |
| 160M       | 18.5   | 5 | 42              | 110 | 80  | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ |
| 160L       | 18.5   | 5 | 42              | 110 | 80  | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ |
| 180MA      | 18.5   | 5 | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | 6211C3   | 6211C3 |
| 180MC      | 18.5   | 5 | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ |
| 180LC      | 18.5   | 5 | 48              | 110 | 80  | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ |
| 200LA      | 18.5   | 5 | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | 6312C3   | 6212C3 |
| 200LC      | 18.5   | 5 | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | 6312     | 6212   |
| 225SC      | 18.5   | 5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313     | 6213   |
| 225MA      | 18.5   | 5 | 55              | 110 | 80  | 16 | 49   | 59   | M20 × 40 | 6312C3   | 6212C3 |
| 225MC      | 18.5   | 5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313     | 6213   |
| 250SA      | 18.5   | 5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313C3   | 6213C3 |
| 250SC      | 18.5   | 5 | 70              | 140 | 110 | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313   |
| 250MA      | 18.5   | 5 | 60              | 140 | 110 | 18 | 53   | 64   | M20 × 40 | 6313C3   | 6213C3 |
| 250MC      | 18.5   | 5 | 70              | 140 | 110 | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313   |

Notes: 1. Tolerance: Refer to page 33.  
2. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Induction Motors

## Frame 63 - 200 Foot and Flange Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

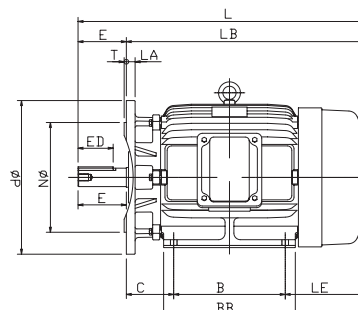
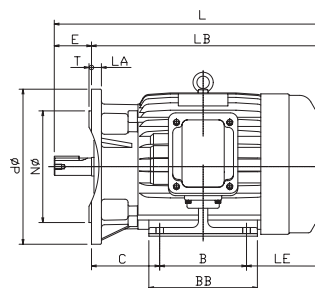
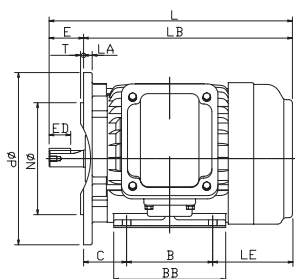
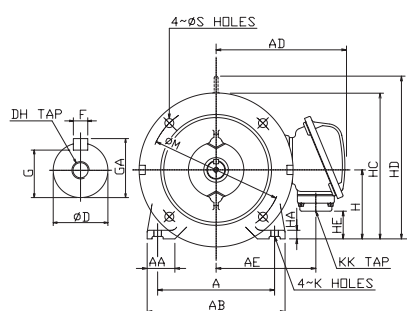


Fig. 1

Fig. 2

Fig. 3

| Output (kW) |             |             |            | Frame Size | Fig. No. | Dimensions (mm) |      |     |     |     |     |     |     |     |      |     |     |     |      |            |
|-------------|-------------|-------------|------------|------------|----------|-----------------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|------------|
| 2P          | 4P          | 6P          | 8P         |            |          | A               | AA   | AB  | AD  | AE  | B   | BB  | C   | H   | HA   | HC  | HD  | HE  | K    | KK         |
| 0.18        | 0.18        | -           | -          | 63         | 2        | 100             | 28   | 120 | 123 | 97  | 80  | 100 | 69  | 63  | 8    | 135 | -   | 10  | 7    | M20 × P1.5 |
| 0.37 / 0.55 | 0.37        | 0.18        | -          | 71         |          | 112             | 35.5 | 140 | 148 | 110 | 90  | 115 | 72  | 71  | 8    | 152 | -   | 35  | 7    | M20 × P1.5 |
| 0.75 / 1.1  | 0.55 / 0.75 | 0.37 / 0.55 | 0.18       | 80         | 1        | 125             | 35.5 | 155 | 179 | 130 | 100 | 130 | 50  | 80  | 9    | 180 | -   | 13  | 10   | M25 × P1.5 |
| 1.5         | 1.1         | 0.75        | 0.37       | 90S        | 2        | 140             | 35.5 | 170 | 192 | 143 | 100 | 130 | 95  | 90  | 10   | 190 | -   | 23  | 10   | M25 × P1.5 |
| 2.2         | 1.5         | 1.1         | 0.55       | 90L        |          | 140             | 35.5 | 170 | 192 | 143 | 125 | 150 | 95  | 90  | 10   | 190 | -   | 23  | 10   | M25 × P1.5 |
| 3           | 2.2 / 3     | 1.5         | 0.75 / 1.1 | 100L       | 2        | 160             | 45   | 195 | 202 | 153 | 140 | 175 | 103 | 100 | 12.5 | -   | 243 | 33  | 12   | M25 × P1.5 |
| 4           | 4           | 2.2         | 1.5        | 112M       |          | 190             | 45   | 224 | 211 | 162 | 140 | 175 | 110 | 112 | 14   | -   | 265 | 45  | 12   | M25 × P1.5 |
| 5.5 / 7.5   | 5.5         | 3           | 2.2        | 132S       | 2        | 216             | 45   | 250 | 249 | 187 | 140 | 175 | 139 | 132 | 16   | -   | 310 | 58  | 12   | M40 × P1.5 |
| -           | 7.5         | 4 / 5.5     | 3          | 132M       |          | 216             | 45   | 250 | 249 | 187 | 178 | 212 | 139 | 132 | 16   | -   | 310 | 58  | 12   | M40 × P1.5 |
| 11 / 15     | 11          | 7.5         | 4 / 5.5    | 160M       | 3        | 254             | 50   | 300 | 287 | 225 | 210 | 250 | 108 | 160 | 18   | -   | 377 | 83  | 14.5 | M40 × P1.5 |
| 18.5        | 15          | 11          | 7.5        | 160L       |          | 254             | 50   | 300 | 287 | 225 | 254 | 300 | 108 | 160 | 18   | -   | 377 | 83  | 14.5 | M40 × P1.5 |
| 22          | -           | -           | -          | 180MA      | 3        | 279             | 75   | 355 | 312 | 250 | 241 | 297 | 121 | 180 | 20   | -   | 421 | 103 | 14.5 | M40 × P1.5 |
| -           | 18.5        | -           | -          | 180MC      |          | 279             | 75   | 355 | 312 | 250 | 241 | 297 | 121 | 180 | 20   | -   | 421 | 103 | 14.5 | M40 x P1.5 |
| -           | 22          | 15          | 11         | 180LC      | 3        | 279             | 75   | 355 | 312 | 250 | 279 | 335 | 121 | 180 | 20   | -   | 421 | 103 | 14.5 | M40 × P1.5 |
| 30/37       | -           | -           | -          | 200LA      |          | 318             | 80   | 400 | 374 | 287 | 305 | 365 | 133 | 200 | 25   | -   | 469 | 88  | 18.5 | M50 × P1.5 |
| -           | 30          | 18.5 / 22   | 15         | 200LC      |          | 318             | 80   | 400 | 374 | 287 | 305 | 365 | 133 | 200 | 25   | -   | 469 | 88  | 18.5 | M50 × P1.5 |

| Frame Size |    |       |       | Flange |     |     |      |     | Shaft Extension |     |    |    |      |      |          | Bearings |          |
|------------|----|-------|-------|--------|-----|-----|------|-----|-----------------|-----|----|----|------|------|----------|----------|----------|
|            | LA | LE    | L     | M      | N   | P   | S    | T   | D               | E   | ED | F  | G    | GA   | DH       | DE       | NDE      |
| 63         | 12 | 76    | 248   | 115    | 95  | 140 | 10   | 3   | 11              | 23  | 10 | 4  | 8.5  | 12.5 | M4 × 8   | 6201ZZ   | 6201ZZ   |
| 71         | 12 | 86    | 278   | 130    | 110 | 160 | 10   | 3.5 | 14              | 30  | 14 | 5  | 11   | 16   | M5 × 10  | 6202ZZ   | 6202ZZ   |
| 80         | 12 | 92.5  | 282.5 | 165    | 130 | 200 | 12   | 3.5 | 19              | 40  | 25 | 6  | 15.5 | 21.5 | M6 × 12  | 6204ZZ   | 6204ZZ   |
| 90S        | 12 | 101.5 | 346.5 | 165    | 130 | 200 | 12   | 3.5 | 24              | 50  | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ   |
| 90L        | 12 | 101.5 | 371.5 | 165    | 130 | 200 | 12   | 3.5 | 24              | 50  | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ   |
| 100L       | 16 | 112   | 414.5 | 215    | 180 | 250 | 14.5 | 4   | 28              | 60  | 40 | 8  | 24   | 31   | M10 × 20 | 6206ZZ   | 6305ZZ   |
| 112M       | 16 | 121.5 | 431.5 | 215    | 180 | 250 | 14.5 | 4   | 28              | 60  | 40 | 8  | 24   | 31   | M10 × 20 | 6306ZZ   | 6306ZZ   |
| 132S       | 20 | 145   | 504   | 265    | 230 | 300 | 14.5 | 4   | 38              | 80  | 56 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ   |
| 132M       | 20 | 145   | 542   | 265    | 230 | 300 | 14.5 | 4   | 38              | 80  | 56 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ   |
| 160M       | 20 | 180   | 608   | 300    | 250 | 350 | 18.5 | 5   | 42              | 110 | 80 | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ   |
| 160L       | 20 | 180   | 652   | 300    | 250 | 350 | 18.5 | 5   | 42              | 110 | 80 | 12 | 37   | 45   | M16 × 32 | 6309ZZ   | 6307ZZ   |
| 180MA      | 20 | 200   | 672   | 300    | 250 | 350 | 18.5 | 5   | 48              | 110 | 80 | 14 | 42.5 | 51.5 | M16 × 32 | [6211C3] | [6211C3] |
| 180MC      | 20 | 200   | 672   | 300    | 250 | 350 | 18.5 | 5   | 48              | 110 | 80 | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ   |
| 180LC      | 20 | 200   | 710   | 300    | 250 | 350 | 18.5 | 5   | 48              | 110 | 80 | 14 | 42.5 | 51.5 | M16 × 32 | 6311ZZ   | 6310ZZ   |
| 200LA      | 20 | 222   | 770   | 350    | 300 | 400 | 18.5 | 5   | 55              | 110 | 80 | 16 | 49   | 59   | M20 × 40 | [6312C3] | [6212C3] |
| 200LC      | 20 | 222   | 770   | 350    | 300 | 400 | 18.5 | 5   | 55              | 160 | 80 | 16 | 49   | 59   | M20 × 40 | 6312C3   | 6313C3   |

- Notes:
1. Tolerance: Refer to page 33.
  2. Lifting lugs not provided on frames D90 and smaller.
  3. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Induction Motors

## Frame 225 - 315 Foot and Flange Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

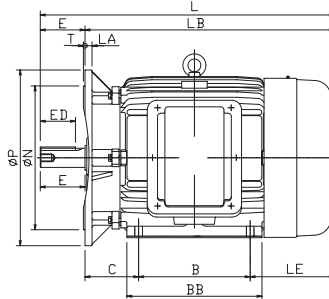
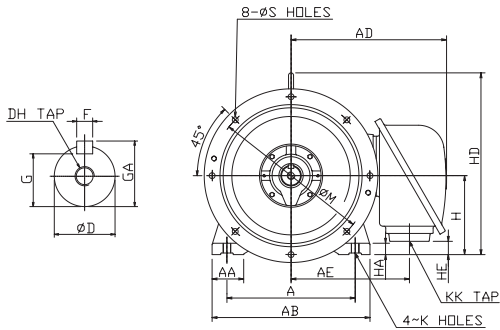


Fig. 4

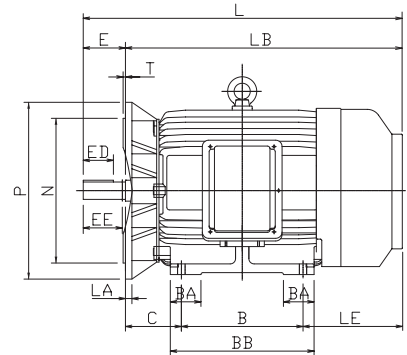


Fig. 5

| Output (kW) |     |           |      | Frame Size | Fig. No. | Dimensions (mm) |     |     |     |     |     |     |     |     |     |     |     |     |            |            |
|-------------|-----|-----------|------|------------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|------------|
| 2P          | 4P  | 6P        | 8P   |            |          | A               | AA  | AB  | AD  | AE  | B   | BA  | BB  | C   | H   | HA  | HD  | HE  | K          | KK         |
| -           | 37  | -         | 18.5 | 225SC      | 4        | 356             | 90  | 450 | 427 | 330 | 286 | -   | 350 | 149 | 225 | 30  | 524 | 57  | 18.5       | M50 × P1.5 |
| 45          | -   | -         | -    | 225MA      |          | 356             | 90  | 450 | 427 | 330 | 311 | -   | 375 | 149 | 225 | 30  | 524 | 57  | 18.5       | M50 × P1.5 |
| -           | 45  | 30        | 22   | 225MC      |          | 356             | 90  | 450 | 427 | 330 | 311 | -   | 375 | 149 | 225 | 30  | 524 | 57  | 18.5       | M50 × P1.5 |
| 55          | -   | -         | -    | 250SA      |          | 406             | 100 | 500 | 493 | 375 | 311 | -   | 385 | 168 | 250 | 36  | 575 | 42  | 24         | M63 × P1.5 |
| -           | 55  | 37        | 30   | 250SC      |          | 406             | 100 | 500 | 493 | 375 | 311 | -   | 385 | 168 | 250 | 36  | 575 | 42  | 24         | M63 × P1.5 |
| 75          | -   | -         | -    | 250MA      |          | 406             | 100 | 500 | 493 | 375 | 349 | -   | 425 | 168 | 250 | 36  | 575 | 42  | 24         | M63 × P1.5 |
| -           | 75  | 45        | 37   | 250MC      |          | 406             | 100 | 500 | 493 | 375 | 349 | -   | 425 | 168 | 250 | 36  | 575 | 42  | 24         | M63 × P1.5 |
| 90          | -   | -         | -    | 280SA      |          | 5               | 457 | 110 | 560 | 610 | 405 | 368 | 110 | 445 | 190 | 280 | 36  | 710 | 106        | 24         |
| -           | 90  | 55        | 45   | 280SC      | 457      |                 | 110 | 560 | 610 | 405 | 368 | 110 | 445 | 190 | 280 | 36  | 710 | 106 | 24         | M63 × P1.5 |
| 110         | -   | -         | -    | 280MA      | 457      |                 | 110 | 560 | 610 | 405 | 419 | 110 | 495 | 190 | 280 | 36  | 710 | 106 | 24         | M63 × P1.5 |
| -           | 110 | 75        | 55   | 280MC      | 457      |                 | 110 | 560 | 610 | 405 | 419 | 110 | 495 | 190 | 280 | 36  | 710 | 106 | 24         | M63 × P1.5 |
| 132         | -   | -         | -    | 315SA      | 508      |                 | 115 | 615 | 610 | 430 | 406 | 115 | 490 | 216 | 315 | 40  | 743 | 136 | 28         | M63 × P1.5 |
| -           | 132 | 90        | 75   | 315SC      | 508      |                 | 115 | 615 | 610 | 430 | 406 | 115 | 490 | 216 | 315 | 40  | 743 | 136 | 28         | M63 × P1.5 |
| 150 / 185   | -   | -         | -    | 315MA      | 508      |                 | 115 | 615 | 610 | 430 | 457 | 115 | 540 | 216 | 315 | 40  | 743 | 136 | 28         | M63 × P1.5 |
| -           | 150 | 110 / 132 | 90   | 315MC      | 508      |                 | 115 | 615 | 610 | 430 | 457 | 115 | 540 | 216 | 315 | 40  | 743 | 136 | 28         | M63 × P1.5 |
| -           | 185 | -         | -    | 315MB      | 508      | 115             | 615 | 610 | 430 | 457 | 115 | 540 | 216 | 315 | 40  | 743 | 136 | 28  | M63 × P1.5 |            |

| Frame Size |    |       |       | Flange |     |     |      |   | Shaft Extension |     |     |     |    |      |      |          | Bearings |        |
|------------|----|-------|-------|--------|-----|-----|------|---|-----------------|-----|-----|-----|----|------|------|----------|----------|--------|
|            | LA | LE    | L     | M      | N   | P   | S    | T | D               | E   | ED  | EE  | F  | G    | GA   | DH       | DE       | NDE    |
| 225SC      | 22 | 241   | 816   | 400    | 350 | 450 | 18.5 | 5 | 60              | 140 | 110 | -   | 18 | 53   | 64   | M20 × 40 | 6313     | 6213   |
| 225MA      | 22 | 241   | 811   | 400    | 350 | 450 | 18.5 | 5 | 55              | 110 | 80  | -   | 16 | 49   | 59   | M20 × 40 | 6312C3   | 6212C3 |
| 225MC      | 22 | 241   | 841   | 400    | 350 | 450 | 18.5 | 5 | 60              | 140 | 110 | -   | 18 | 53   | 64   | M20 × 40 | 6313     | 6213   |
| 250SA      | 22 | 263.5 | 882.5 | 500    | 450 | 550 | 18.5 | 5 | 60              | 140 | 110 | -   | 18 | 53   | 64   | M20 × 40 | 6313C3   | 6213C3 |
| 250SC      | 22 | 263.5 | 882.5 | 500    | 450 | 550 | 18.5 | 5 | 70              | 140 | 110 | -   | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313   |
| 250MA      | 22 | 263.5 | 920.5 | 500    | 450 | 550 | 18.5 | 5 | 60              | 140 | 110 | -   | 18 | 53   | 64   | M20 × 40 | 6313C3   | 6213C3 |
| 250MC      | 22 | 263.5 | 920.5 | 500    | 450 | 550 | 18.5 | 5 | 70              | 140 | 110 | -   | 20 | 62.5 | 74.5 | M20 × 40 | NU316    | 6313   |
| 280SA      | 22 | 344   | 1042  | 500    | 450 | 550 | 18.5 | 5 | 65              | 140 | 110 | 134 | 18 | 58   | 69   | M20 × 40 | 6314C3   | 6314C3 |
| 280SC      | 22 | 344   | 1072  | 500    | 450 | 550 | 18.5 | 5 | 80              | 170 | 140 | 157 | 22 | 71   | 85   | M20 × 40 | NU318    | 6316   |
| 280MA      | 22 | 344   | 1092  | 500    | 450 | 550 | 18.5 | 5 | 65              | 140 | 110 | 134 | 18 | 58   | 69   | M20 × 40 | 6314C3   | 6314C3 |
| 280MC      | 22 | 344   | 1122  | 500    | 450 | 550 | 18.5 | 5 | 80              | 170 | 140 | 157 | 22 | 71   | 85   | M20 × 40 | NU318    | 6316   |
| 315SA      | 25 | 369   | 1131  | 600    | 550 | 660 | 24   | 6 | 65              | 140 | 110 | 134 | 18 | 58   | 69   | M20 × 40 | 6314C3   | 6314C3 |
| 315SC      | 25 | 369   | 1161  | 600    | 550 | 660 | 24   | 6 | 85              | 170 | 140 | 157 | 22 | 76   | 90   | M20 × 40 | NU320    | 6316   |
| 315MA      | 25 | 369   | 1182  | 600    | 550 | 660 | 24   | 6 | 65              | 140 | 110 | 134 | 18 | 58   | 69   | M20 × 40 | 6314C3   | 6314C3 |
| 315MC      | 25 | 369   | 1212  | 600    | 550 | 660 | 24   | 6 | 85              | 170 | 140 | 157 | 22 | 76   | 90   | M20 × 40 | NU320    | 6316   |
| 315MB      | 25 | 369   | 1212  | 600    | 550 | 660 | 24   | 6 | 85              | 140 | 140 | 157 | 22 | 76   | 90   | M20 × 40 | NU320    | 6316   |

Notes: 1. Tolerance: Refer to page 33.  
2. Usable Shaft length: EE  
3. Data subject to change without notice and should not be used for installation purposes.

## TECO Cast Iron TEFC 3-Phase Squirrel Induction Motors

## Frame 63 - 132 Foot and C Face Mount

Totally Enclosed Fan Cooled Squirrel Cage Rotor

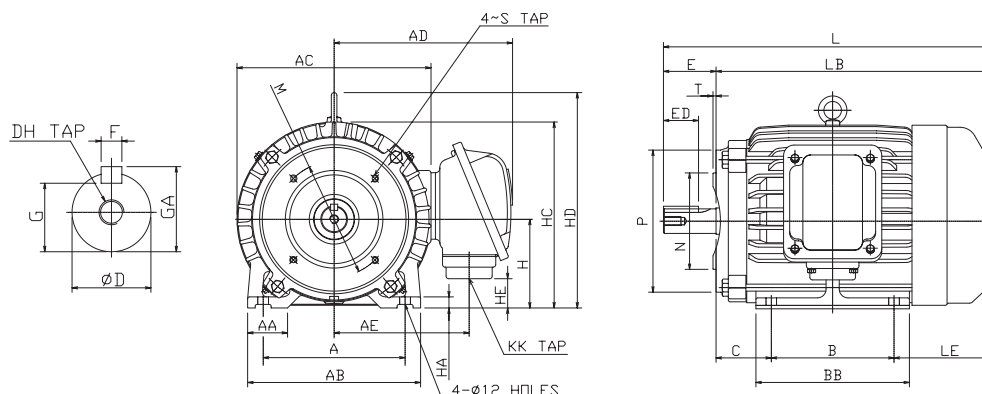
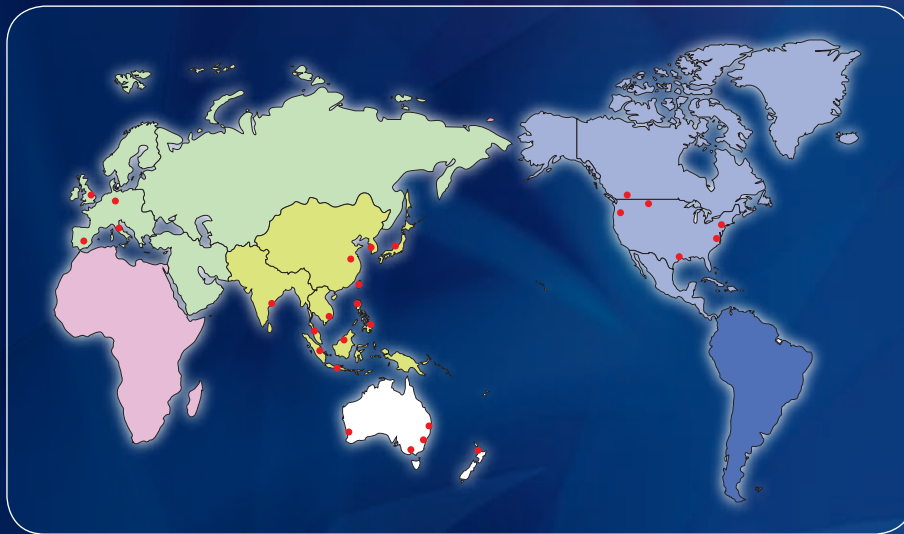


Fig. 1

| Output (kW) |             |             |            | Frame Size | Fig. No. | Dimensions (mm) |      |     |     |     |     |     |     |    |     |      |     |     |    |    |            |
|-------------|-------------|-------------|------------|------------|----------|-----------------|------|-----|-----|-----|-----|-----|-----|----|-----|------|-----|-----|----|----|------------|
| 2P          | 4P          | 6P          | 8P         |            |          | A               | AA   | AB  | AC  | AD  | AE  | B   | BB  | C  | H   | HA   | HC  | HD  | HE | K  | KK         |
| 0.18        | 0.18        | -           | -          | 63         | 1        | 100             | 28   | 120 | 144 | 123 | 97  | 80  | 100 | 40 | 63  | 8    | 135 | -   | 10 | 7  | M20 × P1.5 |
| 0.37 / 0.55 | 0.37        | 0.18        | -          | 71         |          | 112             | 35.5 | 140 | 162 | 133 | 107 | 90  | 115 | 45 | 71  | 8    | 152 | -   | 35 | 7  | M20 × P1.5 |
| 0.75 / 1.1  | 0.55 / 0.75 | 0.37 / 0.55 | 0.18       | 80         |          | 125             | 35.5 | 155 | 177 | 179 | 130 | 100 | 130 | 50 | 80  | 9    | 168 | -   | 13 | 10 | M25 × P1.5 |
| 1.5         | 1.1         | 0.75        | 0.37       | 90S        |          | 140             | 35.5 | 170 | 200 | 192 | 143 | 100 | 130 | 56 | 90  | 10   | 190 | -   | 23 | 10 | M25 × P1.5 |
| 2.2         | 1.5         | 1.1         | 0.55       | 90L        |          | 140             | 35.5 | 170 | 200 | 192 | 143 | 125 | 150 | 56 | 90  | 10   | 190 | -   | 23 | 10 | M25 × P1.5 |
| 3           | 2.2 / 3     | 1.5         | 0.75 / 1.1 | 100L       |          | 160             | 45   | 195 | 219 | 202 | 153 | 140 | 175 | 63 | 100 | 12.5 | -   | 243 | 33 | 12 | M25 × P1.5 |
| 4           | 4           | 2.2         | 1.5        | 112M       |          | 190             | 45   | 224 | 238 | 211 | 162 | 140 | 175 | 70 | 112 | 14   | -   | 265 | 45 | 12 | M25 × P1.5 |
| 5.5 / 7.5   | 5.5         | 3           | 2.2        | 132S       |          | 216             | 45   | 250 | 273 | 249 | 187 | 140 | 175 | 89 | 132 | 16   | -   | 310 | 58 | 12 | M40 × P1.5 |
| -           | 7.5         | 4 / 5.5     | 3          | 132M       |          | 216             | 45   | 250 | 273 | 249 | 187 | 178 | 212 | 89 | 132 | 16   | -   | 310 | 58 | 12 | M40 × P1.5 |

| Frame Size |    |     |     | Flange |     |     |     |     | Shaft Extension |    |    |    |      |      |          | Bearings |        |
|------------|----|-----|-----|--------|-----|-----|-----|-----|-----------------|----|----|----|------|------|----------|----------|--------|
|            | LA | LE  | L   | M      | N   | P   | S   | T   | D               | E  | ED | F  | G    | GA   | DH       | DE       | NDE    |
| 63         | 12 | 105 | 248 | 75     | 60  | 90  | M5  | 3   | 11              | 23 | 18 | 4  | 8.5  | 12.5 | M4 × 8   | 6201ZZ   | 6201ZZ |
| 71         | 12 | 112 | 277 | 85     | 70  | 105 | M6  | 3.5 | 14              | 30 | 24 | 5  | 11   | 16   | M5 × 10  | 6202ZZ   | 6202ZZ |
| 80         | 12 | 92  | 282 | 100    | 80  | 120 | M6  | 3.5 | 19              | 40 | 25 | 6  | 15.5 | 21.5 | M6 × 12  | 6204ZZ   | 6204ZZ |
| 90S        | 12 | 140 | 346 | 115    | 95  | 140 | M8  | 3.5 | 24              | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 90L        | 12 | 140 | 371 | 115    | 95  | 140 | M8  | 3.5 | 24              | 50 | 32 | 8  | 20   | 27   | M8 × 16  | 6205ZZ   | 6205ZZ |
| 100L       | 16 | 111 | 374 | 130    | 110 | 160 | M8  | 4   | 28              | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6206ZZ   | 6305ZZ |
| 112M       | 16 | 161 | 431 | 130    | 110 | 160 | M8  | 4   | 28              | 60 | 40 | 8  | 24   | 31   | M10 × 20 | 6306ZZ   | 6306ZZ |
| 132S       | 20 | 145 | 454 | 165    | 130 | 200 | M10 | 4   | 38              | 80 | 64 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |
| 132M       | 20 | 145 | 492 | 165    | 130 | 200 | M10 | 4   | 38              | 80 | 64 | 10 | 33   | 41   | M12 × 24 | 6308ZZ   | 6306ZZ |

- Notes:
1. Tolerance: Refer to page 33.
  2. Lifting lugs not provided on frames D90 and smaller.
  3. Data subject to change without notice and should not be used for installation purposes.



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