

**THREE PHASE, TEFC SEVERE DUTY  
ENERGY EFFICIENT - ALL CAST IRON**



**eLINE Typical Performances @ 50HZ 400V**

| HP  | KW   | NEMA Frame size | RPM  |           | TORQUE [%]   |            | Amps      |              |      | EFF [%]   |             | P.F  | S.F  | NEMA Code Letter | NEMA Design | MAX KVAR | WK <sup>2</sup> Lb-Ft <sup>2</sup> | Net Weight Lbs | Bearing System |
|-----|------|-----------------|------|-----------|--------------|------------|-----------|--------------|------|-----------|-------------|------|------|------------------|-------------|----------|------------------------------------|----------------|----------------|
|     |      |                 |      |           |              |            | 400V      |              |      | Full Load | Gar EFF Eff |      |      |                  |             |          |                                    |                | Full Load      |
|     |      |                 | Syn. | Full Load | Locked Rotor | Break down | Full Load | Locked Rotor | @ SF |           |             |      |      |                  |             |          |                                    |                |                |
| 1   | 0.75 | 143T            | 1500 | 1445      | 250          | 255        | 1.7       | 11.2         | 2.2  | 81.0      | 78.8        | 77.7 | 1.4  | J                | J           | 0.7      | 0.08                               | 60             | 6205 2Z C3     |
| 1   | 0.75 | 145T            | 1000 | 940       | 160          | 240        | 1.8       | 7.7          | 2.5  | 77.4      | 74.9        | 76.1 | 1.4  | E                | F           | 0.8      | 0.13                               | 61             | 6205 2Z C3     |
| 1.5 | 1.2  | 143T            | 3000 | 2875      | 230          | 255        | 2.3       | 14.7         | 2.9  | 79.8      | 77.5        | 88.9 | 1.3  | G                | H           | 0.7      | 0.06                               | 60             | 6205 2Z C3     |
| 1.5 | 1.2  | 145T            | 1500 | 1430      | 225          | 310        | 2.4       | 14.9         | 3.2  | 82.5      | 80.4        | 81.2 | 1.4  | H                | H           | 1.0      | 0.09                               | 63             | 6205 2Z C3     |
| 1.5 | 1.2  | 182T            | 1000 | 965       | 230          | 300        | 2.6       | 15.8         | 3.4  | 83.3      | 81.3        | 74.6 | 1.4  | H                | J           | 1.2      | 0.34                               | 93             | 6306 2Z C3     |
| 2   | 1.5  | 145T            | 3000 | 2880      | 230          | 260        | 3.0       | 20.0         | 4.2  | 81.3      | 79.1        | 88.5 | 1.4  | G                | H           | 1.0      | 0.06                               | 66             | 6205 2Z C3     |
| 2   | 1.5  | 145T            | 1500 | 1420      | 205          | 275        | 3.1       | 17.5         | 4.4  | 81.9      | 79.7        | 83.6 | 1.4  | F                | G           | 1.2      | 0.11                               | 65             | 6205 2Z C3     |
| 2   | 1.5  | 184T            | 1000 | 955       | 195          | 230        | 3.4       | 17.3         | 4.3  | 84.4      | 82.5        | 76.0 | 1.3  | F                | G           | 1.5      | 0.4                                | 107            | 6306 2Z C3     |
| 3   | 2.2  | 182T            | 3000 | 2880      | 195          | 235        | 4.5       | 26.5         | 6.0  | 82.7      | 80.6        | 87.0 | 1.3  | G                | G           | 1.5      | 0.12                               | 89             | 6306 2Z C3     |
| 3   | 2.2  | 182T            | 1500 | 1435      | 230          | 320        | 4.5       | 29.4         | 5.7  | 85.7      | 83.9        | 83.7 | 1.3  | G                | H           | 1.7      | 0.24                               | 100            | 6306 2Z C3     |
| 3   | 2.2  | 213T            | 1000 | 965       | 210          | 300        | 4.8       | 30.0         | 6.0  | 85.2      | 83.3        | 79.0 | 1.3  | G                | H           | 2.0      | 0.66                               | 144            | 6308 2Z C3     |
| 5   | 3.7  | 184T            | 3000 | 2870      | 200          | 240        | 7.2       | 41.9         | 8.9  | 85.1      | 83.2        | 87.5 | 1.2  | F                | G           | 2.4      | 0.20                               | 115            | 6306 2Z C3     |
| 5   | 3.7  | 184T            | 1500 | 1425      | 220          | 270        | 7.2       | 43.6         | 8.8  | 85.1      | 83.2        | 87.3 | 1.2  | F                | G           | 2.4      | 0.34                               | 117            | 6306 2Z C3     |
| 5   | 3.7  | 215T            | 1000 | 945       | 175          | 215        | 7.6       | 38.4         | 9.7  | 84.0      | 82.0        | 84.0 | 1.25 | E                | F           | 2.9      | 0.82                               | 165            | 6308 2Z C3     |
| 7.5 | 5.6  | 213T            | 3000 | 2865      | 190          | 210        | 10.2      | 54.6         | 11.8 | 85.6      | 83.8        | 92.1 | 1.1  | E                | F           | 2.8      | 0.36                               | 155            | 6308 2Z C3     |
| 7.5 | 5.6  | 213T            | 1500 | 1440      | 175          | 240        | 10.9      | 62.1         | 25.5 | 84.1      | 82.1        | 87.7 | 1.2  | F                | G           | 3.6      | 0.72                               | 163            | 6308 2Z C3     |
| 7.5 | 5.6  | 254T            | 1000 | 970       | 230          | 185        | 10.9      | 58.0         | 13.4 | 86.7      | 85.0        | 85.6 | 1.2  | E                | F           | 3.9      | 3.27                               | 284            | 6309 2Z C3     |
| 10  | 7.5  | 215T            | 3000 | 2875      | 205          | 220        | 13.3      | 77.8         | 14.2 | 87.1      | 85.4        | 92.8 | 1.05 | E                | F           | 3.4      | 0.43                               | 178            | 6308 2Z C3     |
| 10  | 7.5  | 215T            | 1500 | 1435      | 155          | 190        | 14.1      | 76.3         | 15.0 | 86.1      | 84.3        | 88.5 | 1.05 | E                | F           | 4.6      | 0.87                               | 182            | 6308 2Z C3     |
| 10  | 7.5  | 256T            | 1000 | 965       | 215          | 225        | 14.7      | 73.2         | 16.0 | 86.2      | 84.5        | 85.0 | 1.05 | D                | F           | 5.4      | 3.27                               | 297            | 6309 2Z C3     |
| 15  | 11.2 | 254T            | 3000 | 2920      | 200          | 200        | 21.3      | 102.5        | 26.3 | 88.4      | 86.9        | 85.9 | 1.2  | D                | E           | 7.5      | 1.15                               | 284            | 6309 2Z C3     |
| 15  | 11.2 | 254T            | 1500 | 1450      | 195          | 220        | 20.1      | 105.1        | 26.1 | 89.1      | 87.7        | 90.2 | 1.25 | D                | E           | 6.0      | 2.52                               | 293            | 6309 2Z C3     |
| 15  | 11.2 | 284T            | 1000 | 965       | 235          | 175        | 21.6      | 112.3        | 23.4 | 87.5      | 85.9        | 85.6 | 1.05 | E                | F           | 7.7      | 4.75                               | 380            | 6311 2Z C3     |
| 20  | 15   | 256T            | 3000 | 2915      | 205          | 220        | 28.3      | 130.3        | 32.3 | 87.8      | 86.2        | 86.6 | 1.1  | D                | E           | 9.8      | 1.47                               | 332            | 6309 2Z C3     |
| 20  | 15   | 256T            | 1500 | 1445      | 195          | 205        | 26.8      | 138.3        | 31.6 | 89.1      | 87.7        | 90.2 | 1.15 | D                | E           | 8.0      | 3.06                               | 359            | 6309 2Z C3     |
| 20  | 15   | 286T            | 1000 | 965       | 225          | 180        | 28.9      | 146.6        | 31.0 | 87.5      | 85.9        | 85.3 | 1.05 | D                | F           | 10.4     | 5.17                               | 397            | 6311 2Z C3     |
| 25  | 18.7 | 284TS           | 3000 | 2905      | 225          | 195        | 35.2      | 176.2        | 37.5 | 88.7      | 87.2        | 86.3 | 1.05 | D                | E           | 12.3     | 1.63                               | 364            | 6311 2Z C3     |
| 25  | 18.7 | 284T            | 1500 | 1450      | 200          | 195        | 32.9      | 172.6        | 36.8 | 90.6      | 89.3        | 90.2 | 1.1  | D                | E           | 9.9      | 3.19                               | 386            | 6312 2Z C3     |
| 30  | 22.4 | 286TS           | 3000 | 2915      | 205          | 245        | 41.5      | 194.5        | 44.2 | 89.0      | 87.6        | 87.5 | 1.05 | C                | D           | 13.9     | 1.92                               | 417            | 6311 2Z C3     |
| 30  | 22.4 | 286T            | 1500 | 1445      | 205          | 195        | 39.2      | 212.6        | 41.7 | 90.3      | 89.0        | 91.2 | 1.1  | D                | E           | 11.1     | 3.59                               | 424            | 6311 2Z C3     |