



**Open Dripproof  
with Steel Frame  
20CL66**



**Totally Enclosed  
Fan-Cooled  
with Cast Iron Frame  
6AHZ7**



## 3-Phase NEMA Frame Rigid Base- Mount Motors

- Rotation: CW/CW
- Thermal protection: none
- Insulation: Class F motors have Class B temperature rise for longer life
- Bearings: ball (Weg models are regreasable on 254T frame and above)
- Max. ambient temp.: 40°C
- Usable at 208V

These motors power pumps, ventilation equipment, machine tools, and other industrial equipment. They operate with a higher torque and greater efficiency than single-phase models of the same HP, rpm, and frame size. Not for cooling towers.

| HP                                     | Nameplate RPM | Frame       | Voltage         | Full Load Amps | Motor Service Factor | Ins. Class | Inverter Rated | Nom. Efficiency† | Motor Efficiency Group | Shaft Dia. | Shaft Length | Overall Length | Brand    | Mfr. Model      | Item No. |
|----------------------------------------|---------------|-------------|-----------------|----------------|----------------------|------------|----------------|------------------|------------------------|------------|--------------|----------------|----------|-----------------|----------|
| <b>Open Dripproof with Steel Frame</b> |               |             |                 |                |                      |            |                |                  |                        |            |              |                |          |                 |          |
| 1/4                                    | 3.525         | 56          | 208-230/460V AC | 1.00-0.92/0.46 | 1.35                 | F          | Yes            | 65.6 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .25360T3E56-S   | 52XR10   |
|                                        | 1.765         | 56          | 208-230/460V AC | 1.20-1.10/0.53 | 1.35                 | F          | Yes            | 69.5 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 9 1/4 in       | Weg      | .25180T3E56-S   | 52XR09   |
|                                        | 1.725         | 48          | 230/460V AC     | 1.00/0.50      | 1.35                 | B          | Yes            | 69.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Dayton   | 20CL67          | 20CL67 * |
|                                        | 1.725         | 56          | 230/460V AC     | 1.00/0.55      | 1.35                 | B          | Yes            | 69.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Dayton   | 20VD21          | 20VD21 * |
|                                        | 1.160         | 56          | 208-230/460V AC | 1.20-1.10/0.55 | 1.35                 | F          | Yes            | 67.5 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .25120T3E56-S   | 52XR08   |
|                                        | 3.520         | 56          | 208-230/460V AC | 1.40-1.20/0.61 | 1.35                 | F          | Yes            | 69.5 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .33360T3E56-S   | 52XR13   |
| 1/2                                    | 3.450         | 48          | 230/460V AC     | 1.40/0.70      | 1.35                 | B          | Yes            | 69.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 9 1/4 in       | Dayton   | 20CL65          | 20CL65 * |
|                                        | 1.765         | 56          | 208-230/460V AC | 1.50-1.30/0.67 | 1.35                 | F          | Yes            | 73.4 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .33180T3E56-S   | 52XR12   |
|                                        | 1.725         | 48          | 230/460V AC     | 1.20/0.60      | 1.35                 | B          | Yes            | 73.4 %           | Premium                | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Dayton   | 20CL68          | 20CL68 * |
|                                        | 1.725         | 56          | 230/460V AC     | 1.20/0.60      | 1.35                 | B          | Yes            | 73.4 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 20VD22          | 20VD22 * |
|                                        | 1.160         | 56          | 208-230/460V AC | 1.50-1.40/0.70 | 1.35                 | F          | Yes            | 71.4 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .33120T3E56-S   | 52XR11   |
|                                        | 1.140         | 56          | 230/460V AC     | 1.40/0.70      | 1.35                 | B          | Yes            | 71.4 %           | Premium                | 1/2 in     | 1 1/2 in     | 12 in          | Dayton   | 31TT10          | 31TT10 * |
| 3/4                                    | 3.490         | 56          | 208-230/460V AC | 1.80-1.60/0.81 | 1.25                 | F          | Yes            | 73.4 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Weg      | .50360T3E56-S   | 52XR17   |
|                                        | 3.450         | 48          | 230/460V AC     | 1.80/0.90      | 1.25                 | B          | Yes            | 73.4 %           | Premium                | 1/2 in     | 1 1/2 in     | 9 1/4 in       | Dayton   | 20CL66          | 20CL66 * |
|                                        | 3.450         | 56          | 230/460V AC     | 1.80/0.90      | 1.25                 | B          | Yes            | 73.4 %           | Premium                | 1/2 in     | 1 1/2 in     | 10 in          | Dayton   | 20VD23          | 20VD23 * |
|                                        | 1.765         | 56          | 208-230/460V AC | 1.90-1.70/0.86 | 1.25                 | F          | Yes            | 78.2 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 1/4 in      | Weg      | .50180T3E56-S   | 52XR16   |
|                                        | 1.725         | 56          | 230/460V AC     | 1.70/0.85      | 1.25                 | B          | Yes            | 78.2 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31TT08          | 31TT08 * |
|                                        | 1.155         | 56          | 208-230/460V AC | 2.1-1.90/0.93  | 1.25                 | F          | Yes            | 75.3 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 1/4 in      | Weg      | .50120T3E56-S   | 52XR14   |
| 1                                      | 1.140         | 56          | 230/460V AC     | 2.8/1.40       | 1.25                 | B          | Yes            | 75.3 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31TT11          | 31TT11 * |
|                                        | 3.485         | 56          | 208-230/460V AC | 2.5-2.3/1.10   | 1.25                 | F          | Yes            | 76.8 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 1/4 in      | Weg      | .75360T3E56-S   | 52XR20   |
|                                        | 1.760         | 56          | 208-230/460V AC | 2.5-2.3/1.20   | 1.25                 | F          | Yes            | 81.1 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Weg      | .75180T3E56-S   | 52XR19   |
|                                        | 1.725         | 56          | 208-230/460V AC | 2.5/1.30       | 1.25                 | B          | Yes            | 81.1 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31TT14          | 31TT14 * |
|                                        | 1.160         | 56H         | 208-230/460V AC | 2.8-2.5/1.30   | 1.15                 | F          | Yes            | 81.7 %           | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 12 1/4 in      | Weg      | .75120T3E56-S   | 52XR18   |
|                                        | 1.140         | 56H         | 230/460V AC     | 3.5/1.80       | 1.25                 | B          | Yes            | 81.7 %           | Premium                | 1/2 in     | 1 1/2 in     | 14 in          | Dayton   | 31TT16          | 31TT16 * |
| 1 1/2                                  | 3.475         | 56          | 230/460V AC     | 3.0/1.50       | 1.25                 | F          | No             | 77 %             | NEMA Prem.             | 1/2 in     | 1 1/2 in     | 10 1/4 in      | Weg      | 001360T3E56-S   | 52XR23   |
|                                        | 3.450         | 56          | 230/460V AC     | 3.0/1.50       | 1.15                 | B          | No             | 77 %             | Premium                | 1/2 in     | 1 1/2 in     | 10 3/4 in      | Dayton   | 30PT92          | 30PT92 * |
|                                        | 1.770         | 182/4       | 230/460V AC     | 2.7/1.30       | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 14 1/4 in      | Dayton   | 36VE91          | 36VE91 † |
|                                        | 1.760         | 56H         | 230/460V AC     | 3.1/1.60       | 1.15                 | F          | Yes            | 83.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31LH31          | 31LH31 † |
|                                        | 1.760         | 143/5T      | 230/460V AC     | 3.0/1.50       | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 1/2 in     | 2 1/4 in     | 11 3/4 in      | Weg      | 001180T3E143T-S | 33HN85   |
|                                        | 1.760         | 143-5T/56HZ | 208-230/460V AC | 3.2-3.1/1.60   | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 1/4 in      | Dayton   | 2NKX3           | 2NKX3 *  |
| 2                                      | 1.725         | 56          | 230/460V AC     | 3.0/1.50       | 1.15                 | B          | Yes            | 83.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31TT12          | 31TT12 * |
|                                        | 1.725         | 56H         | 230/460V AC     | 3.0/1.50       | 1.15                 | B          | Yes            | 83.5 %           | Premium                | 1/2 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31TT15          | 31TT15 * |
|                                        | 1.170         | 182/4       | 230/460V AC     | 2.5/1.20       | 1.15                 | F          | Yes            | 82.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 13 1/4 in      | Dayton   | 36VE93          | 36VE93 † |
|                                        | 1.165         | 143-5T/56HZ | 230/460V AC     | 4.0/2.00       | 1.15                 | F          | Yes            | 82.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 14 1/4 in      | Dayton   | 2NKX5           | 2NKX5 *  |
|                                        | 3.525         | 143-5T/56HZ | 230/460V AC     | 3.8/1.90       | 1.15                 | F          | Yes            | 84 %             | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Dayton   | 2NKY4           | 2NKY4 *  |
|                                        | 3.510         | 56H         | 230/460V AC     | 3.7/1.90       | 1.15                 | F          | Yes            | 84 %             | Premium                | 3/4 in     | 1 1/2 in     | 11 1/4 in      | Dayton   | 31LH32          | 31LH32 † |
| 2 1/2                                  | 3.510         | 143/5T      | 230/460V AC     | 3.7/1.90       | 1.15                 | F          | Yes            | 84 %             | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 11 3/4 in      | Weg      | 001560T3E143T-S | 33HN89   |
|                                        | 3.450         | 56          | 230/460V AC     | 4.2/2.1        | 1.15                 | B          | No             | 84 %             | Premium                | 3/4 in     | 1 1/2 in     | 11 3/4 in      | Dayton   | 30PT93          | 30PT93 * |
|                                        | 1.770         | 182/4       | 230/460V AC     | 4.1/2.00       | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 13 1/4 in      | Dayton   | 36VE92          | 36VE92 † |
|                                        | 1.760         | 56H         | 230/460V AC     | 4.2/2.1        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 1 1/2 in     | 13 1/4 in      | Dayton   | 31LH33          | 31LH33 † |
|                                        | 1.760         | 143/5T      | 230/460V AC     | 4.1/2.1        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Weg      | 001580T3E145T-S | 33HN91   |
|                                        | 1.750         | 143-5T/56HZ | 208-230/460V AC | 4.5-4.3/2.1    | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Dayton   | 2NKX7           | 2NKX7 *  |
| 3                                      | 1.725         | 56H         | 230/460V AC     | 4.7/2.4        | 1.15                 | B          | Yes            | 86.5 %           | Premium                | 3/4 in     | 1 1/2 in     | 13 1/4 in      | Dayton   | 31TT13          | 31TT13 * |
|                                        | 1.170         | 182/4       | 230/460V AC     | 4.6/2.3        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 14 1/4 in      | Dayton   | 36VE94          | 36VE94 † |
|                                        | 1.165         | 182/4T      | 230/460V AC     | 4.5/2.2        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 1 1/8 in   | 2 3/4 in     | 13 1/2 in      | Dayton   | 36VF34          | 36VF34 † |
|                                        | 3.520         | 182/4       | 230/460V AC     | 5.1/2.2        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 13 1/2 in      | Dayton   | 36VE98          | 36VE98 † |
|                                        | 3.515         | 143-5T/56HZ | 230/460V AC     | 5.0/2.5        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Dayton   | 2NKX9           | 2NKX9 *  |
|                                        | 3.510         | 56H         | 230/460V AC     | 5.3/2.7        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 1 1/2 in     | 12 1/4 in      | Dayton   | 31LH34          | 31LH34 † |
| 4                                      | 3.510         | 143/5T      | 230/460V AC     | 4.8/2.4        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 in          | Weg      | 002360T3E145T-S | 33HN99   |
|                                        | 3.450         | 56H         | 230/460V AC     | 5.4/2.7        | 1.15                 | B          | Yes            | 85.5 %           | Premium                | 3/4 in     | 1 1/2 in     | 12 1/4 in      | Dayton   | 31TT07          | 31TT07 * |
|                                        | 1.750         | 182/4       | 230/460V AC     | 6.2/3.1        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 13 1/4 in      | Dayton   | 2N982           | 2N982 *  |
|                                        | 1.745         | 143-5T/56HZ | 230/460V AC     | 5.6/2.8        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Dayton   | 2NKY2           | 2NKY2 *  |
|                                        | 1.740         | 143/5T      | 230/460V AC     | 5.4/2.7        | 1.15                 | F          | Yes            | 86.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Weg      | 002180T3E145T-S | 33HN95   |
|                                        | 1.725         | 56H         | 230/460V AC     | 6.0/3.0        | 1.15                 | B          | Yes            | 86.5 %           | Premium                | 3/4 in     | 1 1/2 in     | 13 1/4 in      | Dayton   | 31TT22          | 31TT22 * |
| 5                                      | 1.170         | 213/5       | 230/460V AC     | 6.2/3.1        | 1.15                 | F          | Yes            | 88.5 %           | NEMA Prem.             | 1 1/8 in   | 3 in         | 16 3/4 in      | Dayton   | 2N990           | 2N990 *  |
|                                        | 1.165         | 182/4T      | 230/460V AC     | 5.9/2.9        | 1.15                 | F          | Yes            | 87.5 %           | NEMA Prem.             | 1 1/8 in   | 2 3/4 in     | 14 3/4 in      | Dayton   | 36VF35          | 36VF35 † |
|                                        | 3.490         | 143-5T/56HZ | 230/460V AC     | 7.4/3.7        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Dayton   | 2NKY6           | 2NKY6 *  |
|                                        | 3.480         | 143/5T      | 230/460V AC     | 7.2/3.6        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 12 3/4 in      | Weg      | 003360T3E145T-S | 33HP06   |
|                                        | 3.445         | 182/4       | 230/460V AC     | 7.8/3.9        | 1.15                 | F          | Yes            | 85.5 %           | NEMA Prem.             | 3/4 in     | 2 1/4 in     | 13 1/2 in      | Dayton   | 36VE99          | 36VE99 † |
|                                        | 1.770         | 182/4T      | 208-230/460V AC | 8.3-7.8/3.9    | 1.15                 | F          | Yes            | 89.5 %           | NEMA Prem.             | 1 1/8 in   | 2 1/4 in     | 13 1/4 in      | Dayton   | 2NKY8           | 2NKY8 *  |
| 6                                      | 1.765         | 182/4T      | 230/460V AC     | 7.7/3.9        | 1.15                 | F          | Yes            | 89.5 %           | NEMA Prem.             | 1 1/8 in   | 2 3/4 in     | 15 1/4 in      | Weg      | 003180T3E182T-S | 33HP02   |
|                                        | 1.760         | 143-5T/56HZ | 230/460V AC     | 8.1/4.0        | 1.15                 | F          | Yes            | 90.2 %           | NEMA Prem.             | 1 1/8 in   | 2 1/4 in     | 16 1/4 in      | Dayton   | 410773          | 410773 † |
|                                        | 1.740         | 213/5       | 230/460V AC     | 7.9/3.9        | 1.15                 | F          | Yes            | 89.5 %           | NEMA Prem.             | 1 1/8 in   | 3 in         | 16 3/4 in      | Dayton   | 2N983           | 2N983 *  |
|                                        | 1.735         | 56H         | 230/460V AC     | 8.1/4.0        | 1.15                 | F          | Yes            | 86.9 %           | Premium                | 3/4 in     | 1 1/2 in     | 13 1/4 in      | Dayton   | 31LH35          | 31LH35 † |
|                                        | 1.725         | 56HZ        | 208-230/460V AC | 9.2-8.6/4.3    | 1.15                 | B          | Yes            | 84 %             | Standard               | 3/4 in     | 2 1/4 in     | 14 in          | Marathon | 056117D3308     | 44Z041   |
|                                        | 1.180         | 213/5       | 230/460V AC     | 8.6/4.4        | 1.15                 | F          | Yes            | 88.5 %           | NEMA Prem.             | 1 1/8 in   | 3 in         | 16 3/4 in      | Dayton   | 36VE95          | 36VE95 † |
|                                        | 1.175         | 213/5T      | 230/460V AC     | 8.3/4.1        | 1.15                 | F          | Yes            | 88.5 %           | NEMA Prem.             | 1 1/8 in   | 3 3/4 in     | 16 3/4 in      | Dayton   | 36VF36          | 36VF36 † |

\* 60/50 Hz. † Usable at 200V at 1.0 SF. ‡ See page 5 for 2015 Energy Conservation Standards for Small Electric Motors information.

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