

## Explosion Proof Motors



- Meets all UL and CSA safety requirements
- Single and three phase motors
- Double shielded ball bearings
- Automatic overload protection or thermostat protected
- Double shielded ball bearings
- Includes explosion proof conduit box
- NEMA 1.0 or 1.15 service factor
- 1 year warranty
- 3 year warranty on premium efficient models

### Applications:

These motors must be applied in accordance with the National Electrical Code, Article #500. Consult NFPA Publication 497M for a complete listing of explosive agents that are typically found in the environments that these motors are exposed to.



### Application Notes

These motors must be applied in accordance with the National Electrical Code, Article #500.

A partial listing of explosive agents is noted below. Consult NFPA Publication 497M for a complete listing. Please note subheads above each column for qualifications of LEESON motors.

### Features:

- Meets UL and CSA safety requirements
- Automatic overload protected
- Explosion rated conduit box included
- Internal mounted capacitors
- Double shielded ball bearings
- Meets temperature code T3B

### Rating Information:

Division I areas are environments where a hazard is present continuously or would be subject to fire or explosion if the hazard was present as a result of an accident or uncommon occurrence.

Division II areas are environments where the threat of fire or explosion is not normally present and not likely to result in the event of an abnormal occurrence.

### Application Notes:

Class I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume.

Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene.

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

Class II

Group E: Aluminum, magnesium and other metal dusts with similar characteristics.

Group F: Carbon black, coke or coal dust.

Group G: Flour, starch or grain dust.

**Note: No LEESON motors are listed for Division I, Class I, Group A or B.**



# Explosion-Proof Motors

## Single Phase - Rigid Base

### Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

| HP  | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock | List Price | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | Service Factor | "C" Dim. (Inches) | ♥Notes       |
|-----|---------------|------------|----------------|-------|------------|--------------|-----------------|-------------|-----------------|--------------------|----------------|-------------------|--------------|
| 1/3 | 1800          | 56         | 111074.00      | √     | 775        | A6C17EB20    | 35              | 115/208-230 | Auto.           | 2.9                | 1.00           | 12.97             | S, US, 12    |
| 1/2 | 1800          | 56H        | 111084.00      | √     | 855        | A6C17XB22    | 41              | 115/208-230 | Auto.           | 4.4                | 1.00           | 13.58             | S, US, 6, 13 |
| 3/4 | 1800          | 56H        | 110934.00      | √     | 1,009      | A6C17XB21    | 46              | 115/208-230 | Auto.           | 5.5                | 1.00           | 14.08             | S, US, 6, 13 |
| 1   | 1800          | 56H        | 110961.00      | √     | 1,145      | A6C17XB20    | 47              | 115/208-230 | Auto.           | 6.7                | 1.00           | 14.08             | S, US, 6, 13 |

Note 12 - TENV

♥ Note listing on inside back flap

Specifications are subject to change without notice

## Single Phase - C Face Less Base

### Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

| HP    | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock | List Price | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | Service Factor | "C" Dim. (Inches) | ♥Notes    |
|-------|---------------|------------|----------------|-------|------------|--------------|-----------------|-------------|-----------------|--------------------|----------------|-------------------|-----------|
| 1/3   | 3600          | 56C        | 111095.00      | √     | 815        | A6C34EC20    | 38              | 115/208-230 | Auto.           | 2.2                | 1.00           | 13.44             | S, US, 13 |
|       | 1800          | 56C        | 111075.00      | √     | 855        | A6C17EC20    | 41              | 115/208-230 | Auto.           | 2.9                | 1.00           | 12.97             | S, US, 12 |
| 1/2   | 3600          | 56C        | 111098.00      | √     | 824        | A6C34XC22    | 35              | 115/208-230 | Auto.           | 4.2                | 1.00           | 13.44             | S, US, 13 |
|       | 3600          | 56J        | 116188.00      | √     | 778        | A6C34XC31    | 35              | 115/208-230 | Auto.           | 3.8                | 1.00           | 13.96             | S, US, 13 |
|       | 1800          | 56C        | 111085.00      | √     | 948        | A6C17XC22    | 45              | 115/208-230 | Auto.           | 4.4                | 1.00           | 13.94             | S, US, 13 |
| 3/4   | 3600          | 56C        | 111097.00      | √     | 884        | A6C34XC21    | 40              | 115/208-230 | Auto.           | 5.0                | 1.00           | 13.96             | S, US, 13 |
|       | 3600          | 56J        | 116186.00      | √     | 876        | A6C34XC32    | 40              | 115/208-230 | Auto.           | 5.0                | 1.00           | 14.46             | S, US, 13 |
|       | 1800          | 56C        | 111086.00      | √     | 1,052      | A6C17XC21    | 50              | 115/208-230 | Auto.           | 5.5                | 1.00           | 14.44             | S, US, 13 |
| 1     | 3600          | 56C        | 111096.00      | √     | 948        | A6C34XC20    | 49              | 115/208-230 | Auto.           | 6.2                | 1.00           | 14.44             | S, US, 13 |
|       | 3600          | 56J        | 116185.00      | √     | 940        | A6C34XC33    | 49              | 115/208-230 | Auto.           | 6.0                | 1.00           | 14.96             | S, US, 13 |
|       | 1800          | 56C        | 110852.00      | √     | 1,200      | A6C17XC20    | 53              | 115/208-230 | Auto.           | 6.7                | 1.00           | 14.44             | S, US, 13 |
| 1 1/2 | 3600          | 56C        | 114424.00      | √     | 1,174      | A6C34XC26    | 44              | 115/208-230 | Auto.           | 8.5                | 1.00           | 14.96             | S, US, 13 |
|       | 3600          | 56J        | 116183.00      | √     | 1,204      | A6C34XC34    | 54              | 115/208-230 | Auto.           | 8.5                | 1.00           | 14.95             | S, US, 13 |
| 2     | 3600          | 56C        | 114425.00      | √     | 1,288      | A6C34XC27    | 54              | 115/208-230 | Auto.           | 10.5               | 1.00           | 14.94             | S, US, 13 |
|       | 3600          | 56J        | 116181.00      | √     | 1,311      | A6C34XC35    | 54              | 115/208-230 | Auto.           | 10.5               | 1.00           | 15.45             | S, US, 13 |

Note 12 - TENV

♥ Note listing on inside back flap

Specifications are subject to change without notice

## Single Phase - C Face With Base

### Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

| HP    | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock | List Price | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | Service Factor | "C" Dim. (Inches) | ♥Notes       |
|-------|---------------|------------|----------------|-------|------------|--------------|-----------------|-------------|-----------------|--------------------|----------------|-------------------|--------------|
| 1/3   | 3600          | 56C        | 116605.00      | √     | 843        | A6C34XK7     | 39              | 115/208-230 | Auto.           | 2.6                | 1.00           | 13.44             | S, US, 13    |
|       | 1800          | 56C        | 116606.00      | √     | 881        | A6C17XK33    | 42              | 115/208-230 | Auto.           | 3.3                | 1.00           | 13.44             | S, US, 13    |
|       | 1200          | 56C        | 116607.00      | √     | 1,009      | A6C17XK31    | 45              | 115/208-230 | Auto.           | 3.9                | 1.00           | 13.94             | S, US, 6, 13 |
| 1/2   | 3600          | 56C        | 116608.00      | √     | 850        | A6C34XK6     | 36              | 115/208-230 | Auto.           | 3.8                | 1.00           | 13.44             | S, US, 6, 13 |
|       | 1800          | 56C        | 116609.00      | √     | 977        | A6C17XK32    | 46              | 115/208-230 | Auto.           | 4.4                | 1.00           | 13.94             | S, US, 6, 13 |
|       | 1200          | 56HC       | 116610.00      | √     | 1,093      | A6C17XK34    | 56              | 115/208-230 | Auto.           | 4.7                | 1.00           | 14.94             | S, US, 6, 13 |
| 3/4   | 3600          | 56C        | 116611.00      | √     | 909        | A6C34XK5     | 41              | 115/208-230 | Auto.           | 5.3                | 1.00           | 13.94             | S, US, 6, 13 |
|       | 1800          | 56C        | 116612.00      | √     | 1,080      | A6C17XK30    | 51              | 115/208-230 | Auto.           | 5.5                | 1.00           | 14.44             | S, US, 6, 13 |
| 1     | 3600          | 56C        | 116613.00      | √     | 977        | A6C34XK4     | 50              | 115/208-230 | Auto.           | 6.3                | 1.00           | 14.44             | S, US, 6, 13 |
|       | 1800          | 56C        | 116614.00      | √     | 1,190      | A6C17XK29    | 54              | 115/208-230 | Auto.           | 6.7                | 1.00           | 14.44             | S, US, 6, 13 |
| 1 1/2 | 3600          | 56C        | 116615.00      | √     | 1,385      | A6C34XK3     | 45              | 115/208-230 | Auto.           | 8.5                | 1.00           | 14.44             | S, US, 6, 13 |
| 2     | 3600          | 56C        | 116616.00      | √     | 1,696      | A6C34XK2     | 58              | 115/208-230 | Auto.           | 10.5               | 1.00           | 14.94             | S, US, 6, 13 |

Specifications are subject to change without notice

♥ Note listing on inside back flap



View On-line Technical Information



# Explosion-Proof Motors

## Three Phase - Rigid Base

### Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

| HP   | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock     | List Price  | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | % F.L. Eff. | Service Factor | "C" Dim. (Inches) | Notes        |
|------|---------------|------------|----------------|-----------|-------------|--------------|-----------------|-------------|-----------------|--------------------|-------------|----------------|-------------------|--------------|
| 1/3  | 1800          | 56         | 111932.00      | ✓         | 792         | A6T17EB22    | 33              | 208-230/460 | Auto            | 1.3                | 76.00       | 1.00           | 10.97             | S, US, 12    |
|      | 1800          | 56         | 117856.00      | ✓         | 776         | C6T17EB38    | 33              | 208-230/460 | T-Stats         | 1.3                | 76.00       | 1.00           | 10.97             | S, US, 12    |
|      | 1200          | 56H        | 111940.00      | ✓         | 1,136       | A6T11EB21    | 39              | 208-230/460 | Auto            | 1.5                | 70.00       | 1.00           | 13.97             | S, US, 12    |
| 1/2  | 3600          | 56         | 111934.00      | ✓         | 904         | A6T34EB22    | 39              | 208-230/460 | Auto            | 1.6                | 82.50       | 1.00           | 12.47             | S, US, 12    |
|      | 1800          | 56         | 111929.00      | ✓         | 823         | A6T17EB21    | 32              | 208-230/460 | Auto            | 1.7                | 75.00       | 1.00           | 12.47             | S, US, 12    |
|      | 1800          | 56         | 117857.00      | ✓         | 807         | C6T17EB39    | 32              | 208-230/460 | T-Stats         | 1.7                | 75.00       | 1.00           | 12.47             | S, US, 12    |
| 1200 | 56H           | 111938.00  | ✓              | 1,203     | A6T11XB22   | 44           | 208-230/460     | Auto        | 2.0             | 71.00              | 1.00        | 13.47          | S, US, 6, 12      |              |
|      | 3600          | 56         | 111937.00      | ✓         | 946         | A6T34XB21    | 37              | 208-230/460 | Auto            | 3.2                | 75.50       | 1.00           | 13.44             | S, US, 13    |
|      | 1800          | 56         | 111923.00      | ✓         | 955         | A6T17XB21    | 38              | 208-230/460 | Auto            | 3.0                | 75.00       | 1.00           | 13.94             | S, US, 13    |
| 1800 | 56            | 117858.00  | ✓              | 939       | C6T17XB35   | 38           | 208-230/460     | T-Stats     | 3.0             | 75.00              | 1.00        | 13.94          | S, US, 13         |              |
|      | 3600          | 56         | 111942.00      | ✓         | 998         | A6T34XB20    | 34              | 208-230/460 | Auto            | 3.6                | 77.00       | 1.00           | 13.44             | S, US, 13    |
|      | 1800          | 56H        | 111922.00      | ✓         | 1,038       | A6T17XB20    | 45              | 208-230/460 | Auto            | 3.6                | 78.00       | 1.00           | 13.94             | S, US, 6, 13 |
| 1800 | 56H           | 117848.00  | ✓              | 1,022     | A6T17XB20   | 45           | 208-230/460     | T-Stats     | 3.6             | 78.00              | 1.00        | 13.94          | S, US, 6, 13      |              |
|      | 3600          | 143T       | 121914.00      | ✓         | 1,141       | A143T34XB25  | 49              | 208-230/460 | Auto            | 4.0                | 84.00       | 1.00           | 14.41             | S, US, 13    |
|      | 1800          | 56H        | 117849.00      | ✓         | 1,252       | A6T17XB27    | 58              | 208-230/460 | T-Stats         | 4.8                | 80.00       | 1.15           | 14.41             | S, US, 13    |
| 1800 | 145T          | 121915.00  | ✓              | 1,270     | A145T17XB28 | 59           | 208-230/460     | Auto        | 4.8             | 86.50              | 1.00        | 14.41          | S, US, 13         |              |
|      | 1800          | 145T       | 122024.00      | ✓         | 1,252       | C145T17XB31  | 59              | 208-230/460 | T-Stats         | 4.8                | 86.50       | 1.00           | 14.41             | S, US, 13    |
|      | 2             | 3600       | 145T           | 121916.00 | ✓           | 1,176        | A145T34XB25     | 55          | 208-230/460     | Auto               | 4.8         | 85.50          | 1.00              | 15.41        |
| 1800 | 145T          | 121917.00  | ✓              | 1,410     | C145T17XB27 | 60           | 208-230/460     | Auto        | 5.8             | 86.50              | 1.00        | 15.41          | S, US, 13         |              |
|      | 1800          | 145T       | 122025.00      | ✓         | 1,391       | C145T17XB32  | 60              | 208-230/460 | T-Stats         | 5.8                | 86.50       | 1.00           | 15.41             | S, US, 13    |
|      | 3             | 3600       | 145T           | 121918.00 | ✓           | 1,390        | U145T34XB26     | 56          | 208-230/460     | T-Stats            | 4.8         | 86.50          | 1.00              | 15.91        |

Green items are Premium Efficient

♥ Note listing on inside back flap

Note 12 - TENV

Specifications are subject to change without notice

### Three Phase - C Face Less Base

### Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

| HP   | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock      | List Price   | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | % F.L. Eff. | Service Factor | "C" Dim. (Inches) | Notes     |           |
|------|---------------|------------|----------------|------------|--------------|--------------|-----------------|-------------|-----------------|--------------------|-------------|----------------|-------------------|-----------|-----------|
| 1/3  | 3600          | 56C        | 111944.00      | ✓          | 945          | A6T34EC23    | 36              | 208-230/460 | Auto            | 1.2                | 77.00       | 1.00           | 11.97             | S, US, 12 |           |
|      | 1800          | 56C        | 111931.00      | ✓          | 1,015        | A6T17EC23    | 29              | 208-230/460 | Auto            | 1.2                | 76.00       | 1.00           | 11.97             | S, US, 12 |           |
|      | 1800          | 56C        | 117860.00      | ✓          | 999          | C6T17EC30    | 29              | 208-230/460 | T-Stat          | 1.2                | 76.00       | 1.00           | 11.97             | S, US, 12 |           |
| 1/2  | 3600          | 56C        | 111933.00      | ✓          | 984          | A6T34EC22    | 33              | 208-230/460 | Auto            | 1.6                | 82.50       | 1.00           | 12.47             | S, US, 12 |           |
|      | 3600          | 56J        | 116187.00      | ✓          | 961          | A6T34EC28    | 33              | 208-230/460 | Auto            | 1.6                | 82.50       | 1.00           | 12.98             | S, US, 12 |           |
|      | 1800          | 56C        | 111930.00      | ✓          | 1,075        | A6T17EC22    | 34              | 208-230/460 | Auto            | 1.7                | 75.00       | 1.00           | 12.47             | S, US, 12 |           |
| 1800 | 56C           | 117852.00  | ✓              | 1,059      | A6T17XC29    | 34           | 208-230/460     | T-Stat      | 1.7             | 75.00              | 1.00        | 12.47          | S, US, 12         |           |           |
|      | 3600          | 56C        | 111936.00      | ✓          | 1,015        | A6T34XC21    | 27              | 208-230/460 | Auto            | 2.4                | 75.50       | 1.00           | 13.44             | S, US, 13 |           |
|      | 1800          | 56C        | 111935.00      | ✓          | 1,092        | A6T17XC23    | 36              | 208-230/460 | Auto            | 3.0                | 75.00       | 1.00           | 13.94             | S, US, 13 |           |
| 1800 | 56C           | 117853.00  | ✓              | 1,077      | A6T17XC30    | 36           | 208-230/460     | T-Stat      | 3.0             | 75.00              | 1.00        | 13.94          | S, US, 13         |           |           |
|      | 3600          | 56C        | 111943.00      | ✓          | 1,062        | A6T34XC20    | 30              | 208-230/460 | Auto            | 3.2                | 77.00       | 1.00           | 13.44             | S, US, 13 |           |
|      | 3600          | 56J        | 116184.00      | ✓          | 1,034        | A6T34XC31    | 33              | 208-230/460 | Auto            | 3.2                | 77.00       | 1.00           | 13.95             | S, US, 13 |           |
| 1800 | 56C           | 111926.00  | ✓              | 1,145      | A6T17XC22    | 46           | 208-230/460     | Auto        | 3.6             | 78.00              | 1.00        | 13.94          | S, US, 13         |           |           |
|      | 1800          | 56C        | 117854.00      | ✓          | 1,130        | A6T17XC31    | 46              | 208-230/460 | T-Stat          | 3.6                | 78.00       | 1.00           | 13.94             | S, US, 13 |           |
|      | 3600          | 56C        | 111939.00      | ✓          | 1,208        | A6T34XC25    | 48              | 208-230/460 | Auto            | 4.2                | 81.50       | 1.00           | 13.94             | S, US, 13 |           |
| 3600 | 56J           | 116182.00  | ✓              | 1,060      | A6T34XC30    | 48           | 208-230/460     | Auto        | 4.2             | 81.50              | 1.00        | 14.46          | S, US, 13         |           |           |
|      | 1800          | 56C        | 111941.00      | ✓          | 1,233        | A6T17XC24    | 46              | 208-230/460 | Auto            | 4.4                | 80.00       | 1.00           | 15.94             | S, US, 13 |           |
|      | 1800          | 56C        | 117855.00      | ✓          | 1,214        | A6T17XC32    | 46              | 208-230/460 | T-Stat          | 4.4                | 80.00       | 1.00           | 15.94             | S, US, 13 |           |
| 2    | 3600          | 56C        | 113971.00      | ✓          | 1,351        | A6T34XC26    | 50              | 208-230/460 | Auto            | 5.6                | 82.50       | 1.15           | 13.94             | S, US, 13 |           |
|      | 3600          | 56J        | 116180.00      | ✓          | 1,108        | A6T34XC29    | 50              | 208-230/460 | Auto            | 5.6                | 82.50       | 1.00           | 14.45             | S, US, 13 |           |
|      | 1800          | 145TC      | G121178.00     | ✓          | 1,335        | A145T17XC4   | 55              | 208-230/460 | Auto            | 5.6                | 84.00       | 1.00           | 15.03             | S, US, 13 |           |
| 1800 | 145TC         | 122023.00  | ✓              | 1,317      | A145T17XC6   | 55           | 208-230/460     | T-Stat      | 5.6             | 84.00              | 1.00        | 15.03          | S, US, 13         |           |           |
|      | 3             | 3600       | 56C            | 114419.00  | ✓            | 1,504        | A6T34XC28       | 54          | 208-230/460     | Auto               | 7.6         | 84.00          | 1.00              | 15.44     | S, US, 13 |
|      | 1800          | 182TC      | G825116.00     | ✓          | 1,738        | 182TTGS14057 | 96              | 230/460     | T-Stat          | 8.5                | 87.50       | 1.00           | 17.87             | C, US, 13 |           |
| 5    | 3600          | 184TC      | G825190.00     | ✓          | 1,859        | 184TTGN4013  | 133             | 230/460     | T-Stat          | 11.8               | 87.50       | 1.00           | 18.62             | C, US, 13 |           |
|      | 1800          | 184TC      | G825128.00     | ✓          | 1,991        | 184TTGN14030 | 116             | 230/460     | T-Stat          | 13.8               | 87.50       | 1.00           | 17.87             | C, US, 13 |           |
|      | 7 1/2         | 3600       | 213TC          | G825188.00 | C/A          | 2,792        | 213TTGN14005    | 241         | 230/460         | T-Stat             | 19.0        | 88.50          | 1.00              | 22.25     | C, US, 13 |
| 1800 | 213TC         | G825192.00 | C/A            | 2,762      | 213TTGN4050  | 194          | 230/460         | T-Stat      | 20.0            | 89.50              | 1.00        | 23.45          | C, US, 13         |           |           |
|      | 10            | 3600       | 215TC          | G825193.00 | C/A          | 2,931        | 215TTGN4031     | 271         | 230/460         | T-Stat             | 24.0        | 90.20          | 1.00              | 22.25     | C, US, 13 |
|      | 1800          | 215TC      | G825194.00     | C/A        | 2,909        | 215TTGN4051  | 216             | 230/460     | T-Stat          | 25.0               | 86.50       | 1.00           | 23.45             | C, US, 13 |           |
| 15   | 3600          | 254TC      | G825195.00     | C/A        | 3,708        | 254TTGP14014 | 301             | 230/460     | T-Stat          | 35.0               | 90.20       | 1.00           | 24.19             | C, US, 13 |           |
|      | 1800          | 254TC      | G825196.00     | C/A        | 4,345        | T254T17XC1   | 370             | 230/460     | T-Stat          | 39.0               | 91.00       | 1.00           | 25.77             | C, US, 13 |           |
|      | 20            | 3600       | 256TC          | G825197.00 | C/A          | 4,981        | 256TTGN14013    | 340         | 230/460         | T-Stat             | 47.0        | 90.20          | 1.00              | 25.77     | C, US, 13 |
| 1800 | 256TC         | G825198.00 | C/A            | 4,954      | 256TTGN14046 | 315          | 230/460         | T-Stat      | 50.0            | 91.00              | 1.00        | 25.94          | C, US, 13         |           |           |

Note † - Explosion-proof motors are Class I, Group D—Class II, Groups F & G.

♥ Note listing on inside back flap

C/A - Check Availability

Note 12 - TENV

Specifications are subject to change without notice

View On-line Technical Information



Explosion Proof Motors  
Automotive Duty Motors  
Pump Motors  
Washguard Motors  
Agricultural Motors  
HVAC / Fan Motors  
Special Voltage Motors  
Definite Purpose Motors  
Brake Motors

# Explosion-Proof Motors

## Three Phase - C Face With Base

### Division I, Division II, Class I, Groups C & D; Class II, Groups F & G - W/Conduit Box

| HP  | SYN RPM<br>60 Hz | NEMA Frame | Catalog Number | Stock     | List Price | Model Number | App. Wgt. (lbs) | Voltage     | Over-load Prot. | F. L. Amps @ 230 V | % F.L. Eff. | Service Factor | "C" Dim. (Inches) | ♥Notes    |
|-----|------------------|------------|----------------|-----------|------------|--------------|-----------------|-------------|-----------------|--------------------|-------------|----------------|-------------------|-----------|
| 1/3 | 3600             | 56C        | 114625.00      | ✓         | 955        | A6T34EK1     | 33              | 208-230/460 | Auto.           | 1.2                | 77.00       | 1.00           | 11.97             | S, US, 12 |
|     | 1800             | 56C        | 114626.00      | ✓         | 1,031      | A6T17EK7     | 38              | 208-230/460 | Auto.           | 1.3                | 76.00       | 1.00           | 11.97             | S, US, 12 |
|     | 1800             | 56C        | 117859.00      | ✓         | 1,016      | C6T17EK11    | 38              | 208-230/460 | T-Stat          | 1.3                | 76.00       | 1.00           | 11.97             | S, US, 12 |
| 1/2 | 3600             | 56C        | 114627.00      | ✓         | 995        | A6T34EK2     | 35              | 208-230/460 | Auto.           | 1.6                | 82.50       | 1.00           | 12.47             | S, US, 12 |
|     | 1800             | 56C        | 114628.00      | ✓         | 1,079      | A6T17EK8     | 35              | 208-230/460 | Auto.           | 1.7                | 75.00       | 1.00           | 12.47             | S, US, 12 |
|     | 1800             | 56C        | 116190.00      | ✓         | 1,356      | C6T17XK23    | 34              | 208-230/460 | T-Stat          | 2.4                | 68.00       | 1.00           | 13.44             | S, US, 13 |
| 3/4 | 3600             | 56C        | 114629.00      | ✓         | 1,028      | A6T34XK2     | 33              | 208-230/460 | Auto.           | 2.4                | 75.50       | 1.00           | 13.44             | S, US, 13 |
|     | 1800             | 56C        | 114630.00      | ✓         | 1,100      | A6T17XK11    | 42              | 208-230/460 | Auto.           | 2.6                | 75.00       | 1.00           | 13.94             | S, US, 13 |
|     | 1800             | 56C        | 116191.00      | ✓         | 1,383      | C6T17XK24    | 38              | 208-230/460 | T-Stat          | 3.0                | 75.50       | 1.00           | 13.44             | S, US, 13 |
| 1   | 3600             | 56C        | 114631.00      | ✓         | 1,075      | A6T34XK3     | 34              | 208-230/460 | Auto.           | 3.2                | 77.00       | 1.00           | 13.44             | S, US, 13 |
|     | 1800             | 56C        | 114632.00      | ✓         | 1,167      | A6T17XK12    | 48              | 208-230/460 | Auto.           | 3.2                | 85.50       | 1.00           | 14.50             | S, US, 13 |
|     | 1800             | 56C        | 117850.00      | ✓         | 1,151      | A6T17XK27    | 48              | 208-230/460 | T-Stat          | 3.2                | 85.50       | 1.00           | 14.50             | S, US, 13 |
|     | 1800             | 143TC      | 121919.00      | ✓         | 1,731      | C143T17XK3   | 44              | 208-230/460 | T-Stat          | 3.0                | 82.50       | 1.00           | 14.50             | S, US, 13 |
|     | 11/2             | 3600       | 56C            | 114633.00 | ✓          | 1,220        | A6T34XK4        | 42          | 208-230/460     | Auto.              | 4.2         | 81.50          | 1.00              | 13.94     |
| 2   | 1800             | 56C        | 114634.00      | ✓         | 1,249      | A6T17XK13    | 45              | 208-230/460 | Auto.           | 4.4                | 80.00       | 1.00           | 15.94             | S, US, 13 |
|     | 1800             | 56C        | 117851.00      | ✓         | 1,230      | A6T17XK28    | 45              | 208-230/460 | T-Stat          | 4.4                | 80.00       | 1.00           | 15.94             | S, US, 13 |
|     | 1800             | 145TC      | 121920.00      | ✓         | 1,796      | C145T17XK6   | 58              | 208-230/460 | T-Stat          | 4.8                | 86.50       | 1.15           | 16.00             | S, US, 13 |
|     | 3600             | 56C        | 114635.00      | ✓         | 1,207      | A6T34XK5     | 51              | 208-230/460 | Auto.           | 5.6                | 78.80       | 1.00           | 13.94             | S, US, 13 |
|     | 1800             | 145TC      | 121921.00      | ✓         | 1,511      | C145T17XK7   | 62              | 208-230/460 | Auto.           | 5.8                | 86.50       | 1.00           | 15.02             | S, US, 13 |
| 3   | 1800             | 145TC      | 121922.00      | ✓         | 1,964      | C145T17XK8   | 66              | 208-230/460 | T-Stat          | 5.8                | 86.50       | 1.00           | 16.50             | S, US, 13 |
|     | 3600             | 56C        | 114636.00      | ✓         | 1,512      | A6T34XK6     | 62              | 208-230/460 | Auto.           | 7.6                | 84.00       | 1.00           | 15.44             | S, US, 13 |

Green items are Premium Efficient

♥ Note listing on inside back flap

Note 12 - TENV

Specifications are subject to change without notice

## Three Phase - C Face With Rigid Base - ALL Cast Iron Construction

### Division I, Division II, Class I, Group C & D; Class II, Groups F & G • W/Conduit Box

All Ratings Are Inverter Rated

| HP    | SYN RPM<br>60 Hz | NEMA Frame | Catalog Number | Stock | List Price | Model Number  | App. Wgt. (lbs) | Voltage | Over-load Prot. | F. L. Amps @ 230 V | % F.L. Eff. | Service Factor | "C" Dim. (Inches) | ♥Notes |
|-------|------------------|------------|----------------|-------|------------|---------------|-----------------|---------|-----------------|--------------------|-------------|----------------|-------------------|--------|
| 3     | 3600             | 182TC      | 825125.00      | ✓     | 1,792      | 182TTGN16508  | 95              | 230/460 | T-Stat          | 7.6                | 87.50       | 1.15           | 17.62             | C, US  |
|       | 1800             | 182TC      | 825126.00      | ✓     | 1,792      | 182TTGN16529  | 96              | 230/460 | T-Stat          | 7.8                | 90.20       | 1.15           | 17.60             | C, US  |
| 5     | 3600             | 184TC      | 825127.00      | ✓     | 1,912      | 184TTGN16503  | 130             | 230/460 | T-Stat          | 12.0               | 88.50       | 1.15           | 17.62             | C, US  |
|       | 1800             | 184TC      | 825071.00      | ✓     | 1,912      | 184TTGN16537  | 130             | 230/460 | T-Stat          | 12.8               | 90.20       | 1.15           | 17.60             | C, US  |
| 7 1/2 | 3600             | 213TC      | 825072.00      | ✓     | 2,871      | 213TTGN16507  | 143             | 230/460 | T-Stat          | 18.0               | 90.20       | 1.15           | 20.68             | C, US  |
|       | 1800             | 213TC      | 825073.00      | ✓     | 2,843      | 213TTGN16526  | 143             | 230/460 | T-Stat          | 18.6               | 91.70       | 1.15           | 20.68             | C, US  |
| 10    | 3600             | 215TC      | 825074.00      | ✓     | 3,016      | 215TTGN16505  | 160             | 230/460 | T-Stat          | 23.0               | 91.70       | 1.15           | 20.68             | C, US  |
|       | 1800             | 215TC      | 825075.00      | ✓     | 2,993      | 215TTGN16526  | 160             | 230/460 | T-Stat          | 25.0               | 91.70       | 1.15           | 20.68             | C, US  |
| 15    | 3600             | 254TC      | 825076.00      | ✓     | 3,815      | 254TTGN16507  | 245             | 230/460 | T-Stat          | 34.6               | 91.70       | 1.15           | 24.02             | C, US  |
|       | 1800             | 254TC      | 825077.00      | ✓     | 4,470      | 254TTGN16540  | 246             | 230/460 | T-Stat          | 36.0               | 92.40       | 1.15           | 24.02             | C, US  |
| 20    | 3600             | 256TC      | 825078.00      | ✓     | 5,125      | 256TTGN16513  | 271             | 230/460 | T-Stat          | 46.0               | 91.00       | 1.15           | 25.77             | C, US  |
|       | 1800             | 256TC      | 825079.00      | ✓     | 5,097      | 256TTGN16543  | 273             | 230/460 | T-Stat          | 49.0               | 93.00       | 1.15           | 25.77             | C, US  |
| 25    | 3600             | 284TSC     | 825080.00      | ✓     | 5,306      | 284TSTGN16506 | 373             | 230/460 | T-Stat          | 56.8               | 91.70       | 1.15           | 24.44             | C, US  |
|       | 1800             | 284TC      | 825081.00      | ✓     | 5,248      | 284TTGN16540  | 375             | 230/460 | T-Stat          | 59.0               | 93.60       | 1.15           | 26.80             | C, US  |
| 30    | 1800             | 286TC      | 825082.00      | ✓     | 5,963      | 286TTGN16538  | 395             | 230/460 | T-Stat          | 70.0               | 93.60       | 1.15           | 28.30             | C, US  |
| 40    | 1800             | 324TC      | 825083.00      | ✓     | 7,749      | 324TTGS1603   | 563             | 230/460 | T-Stat          | 92.0               | 94.10       | 1.15           | 29.37             | C, US  |
| 50    | 1800             | 326TC      | 825084.00      | ✓     | 9,537      | 326TTGS16031  | 585             | 230/460 | T-Stat          | 117.0              | 94.50       | 1.15           | 30.87             | C, US  |

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

All Ratings Are Inverter Rated



View On-line Technical Information



# Explosion-Proof Motors

## Three Phase - Rigid Base - All Cast Iron Construction

### Division I, Division II, Class I, Groups C & D Class II, Groups F & G -

All Ratings Are Inverter Rated

| HP    | SYN RPM 60 Hz | NEMA Frame | Catalog Number | Stock | List Price | Model Number  | App. Wgt. (lbs) | Voltage | Over-load Prot. | F. L. Amps @ 230 V | % F.L. Eff. | Service Factor | "C" Dim. (Inches) | ♥ Notes |
|-------|---------------|------------|----------------|-------|------------|---------------|-----------------|---------|-----------------|--------------------|-------------|----------------|-------------------|---------|
| 3     | 1800          | 182T       | 825085.00      | ✓     | 1,700      | 182TTGN16026  | 107             | 230/460 | T-Stat          | 7.8                | 89.50       | 1.15           | 17.62             | C, US   |
| 5     | 3600          | 184T       | 825086.00      | ✓     | 1,792      | 184TTGN16504  | 117             | 230/460 | T-Stat          | 12.0               | 88.50       | 1.15           | 17.62             | C, US   |
|       | 1800          | 184T       | 825087.00      | ✓     | 1,761      | 184TTGN16032  | 128             | 230/460 | T-Stat          | 12.8               | 89.50       | 1.15           | 17.62             | C, US   |
| 7 1/2 | 3600          | 213T       | 825088.00      | ✓     | 2,749      | 213TTGN16527  | 183             | 230/460 | T-Stat          | 18.0               | 89.50       | 1.15           | 21.41             | C, US   |
|       | 1800          | 213T       | 825089.00      | ✓     | 2,718      | 213TTGN16527  | 228             | 230/460 | T-Stat          | 18.6               | 91.70       | 1.15           | 20.16             | C, US   |
| 10    | 3600          | 215T       | 825090.00      | ✓     | 2,884      | 215TTGN16504  | 200             | 230/460 | T-Stat          | 23.6               | 90.20       | 1.15           | 21.41             | C, US   |
|       | 1800          | 215T       | 825091.00      | ✓     | 2,871      | 215TTGN16526  | 273             | 230/460 | T-Stat          | 25.0               | 91.70       | 1.15           | 21.41             | C, US   |
| 15    | 3600          | 254T       | 825092.00      | ✓     | 3,889      | 254TTGN16506  | 333             | 230/460 | T-Stat          | 34.6               | 91.00       | 1.15           | 24.12             | C, US   |
|       | 1800          | 254T       | 825093.00      | ✓     | 3,873      | 254TTGN16539  | 383             | 230/460 | T-Stat          | 36.0               | 92.40       | 1.15           | 24.12             | C, US   |
| 20    | 3600          | 256T       | 825094.00      | ✓     | 4,075      | 256TTGS16514  | 383             | 230/460 | T-Stat          | 46.8               | 91.00       | 1.15           | 25.77             | C, US   |
|       | 1800          | 256T       | 825095.00      | ✓     | 4,044      | 256TTGN16539  | 285             | 230/460 | T-Stat          | 48.2               | 93.00       | 1.15           | 25.77             | C, US   |
| 25    | 3600          | 284TS      | 825096.00      | ✓     | 5,258      | 284TSGN16505  | 413             | 230/460 | T-Stat          | 56.2               | 91.70       | 1.15           | 25.44             | C, US   |
|       | 1800          | 284T       | 825097.00      | ✓     | 4,723      | 284TTGN16538  | 374             | 230/460 | T-Stat          | 62.0               | 93.60       | 1.15           | 26.80             | C, US   |
| 30    | 3600          | 286TS      | 825098.00      | ✓     | 5,365      | 286TSTN16504  | 464             | 230/460 | T-Stat          | 67.6               | 91.70       | 1.15           | 26.94             | C, US   |
|       | 1800          | 286T       | 825099.00      | ✓     | 5,321      | 286TTGN16033  | 464             | 230/460 | T-Stat          | 73.0               | 93.60       | 1.15           | 28.30             | C, US   |
| 40    | 3600          | 324TS      | 825100.00      | ✓     | 7,420      | 324TSTGS16002 | 515             | 230/460 | T-Stat          | 94.0               | 92.40       | 1.15           | 27.87             | C, US   |
|       | 1800          | 324T       | 825101.00      | ✓     | 7,148      | 324TTGS16037  | 535             | 230/460 | T-Stat          | 95.0               | 94.10       | 1.15           | 29.37             | C, US   |
| 50    | 3600          | 326TS      | 825102.00      | ✓     | 9,334      | 326TSTGS16503 | 585             | 230/460 | T-Stat          | 116.0              | 93.00       | 1.15           | 29.37             | C, US   |
|       | 1800          | 326T       | 825103.00      | ✓     | 9,274      | 326TTGS16540  | 585             | 230/460 | T-Stat          | 120.0              | 94.50       | 1.00           | 30.57             | C, US   |
| 60    | 3600          | 364TS      | 825104.00      | C/A   | 13,336     | 364TSTGS16504 | 890             | 230/460 | T-Stat          | 134.0              | 93.60       | 1.15           | 29.88             | C, US   |
|       | 1800          | 364T       | 825105.00      | ✓     | 12,769     | 364TTGS16035  | 992             | 230/460 | T-Stat          | 138.0              | 95.00       | 1.15           | 32.00             | C, US   |
| 75    | 3600          | 365TS      | 825106.00      | ✓     | 15,411     | 365TSTGS16507 | 1025            | 230/460 | T-Stat          | 168.0              | 93.60       | 1.15           | 30.88             | C, US   |
|       | 1800          | 365T       | 825107.00      | ✓     | 15,213     | 365TTGS16541  | 1053            | 230/460 | T-Stat          | 172.0              | 95.40       | 1.15           | 33.00             | C, US   |
| 100   | 3600          | 405TS      | 825108.00      | C/A   | 20,847     | 405TSTGS16002 | 1168            | 230/460 | T-Stat          | 216.0              | 94.10       | 1.15           | 34.62             | C, US   |
|       | 1800          | 405T       | 825109.00      | C/A   | 18,537     | 405TTGS16034  | 1322            | 230/460 | T-Stat          | 226.0              | 95.40       | 1.15           | 37.62             | C, US   |
| 125   | 3600          | 444TS      | 825110.00      | C/A   | 28,778     | 444TSGN16503  | 1768            | 230/460 | T-Stat          | 136.0              | 95.00       | 1.15           | 38.00             | C, US   |
|       | 1800          | 444T       | 825111.00      | C/A   | 24,181     | 444TTGN16032  | 1822            | 460     | T-Stat          | 141.0*             | 95.40       | 1.15           | 41.75             | C, US   |
| 150   | 3600          | 445TS      | 825112.00      | C/A   | 33,683     | 445TSTGN16002 | 2072            | 460     | T-Stat          | 165.0*             | 95.00       | 1.15           | 38.00             | C, US   |
|       | 1800          | 445T       | 825113.00      | C/A   | 28,182     | 445TTGN16035  | 2072            | 460     | T-Stat          | 172.0*             | 95.80       | 1.15           | 43.69             | C, US   |
| 200   | 3600          | 445TS      | 825114.00      | C/A   | 41,103     | 445TSTGN16003 | 2332            | 460     | T-Stat          | 222.0*             | 95.40       | 1.15           | 38.00             | C, US   |
|       | 1800          | 445T       | 825115.00      | C/A   | 33,309     | 445TTGN16036  | 2275            | 460     | T-Stat          | 226.0*             | 96.20       | 1.15           | 43.69             | C, US   |
| 250   | 3600          | 449TS      | G825071.00     | C/A   | 41,240     | 449TSTGS14004 | 2480            | 460     | T-Stat          | 274.0*             | 95.40       | 1.00           | 48.14             | C, US   |
|       | 1800          | 449T       | G825072.00     | C/A   | 34,078     | 449TTGS14041  | 2630            | 460     | T-Stat          | 285.0*             | 95.00       | 1.00           | 51.85             | C, US   |
| 300   | 1800          | 449T       | G850818.00     | C/A   | 36,349     | 449TTGS14046  | 3032            | 460     | T-Stat          | 338.0*             | 95.40       | 1.00           | 51.85             | C, US   |
| 350   | 1800          | 449T       | G850819.00     | C/A   | 40,055     | 449TTGS14047  | 3280            | 460     | T-Stat          | 400.0*             | 95.40       | 1.00           | 51.85             | C, US   |

These explosion-proof motors are not designed for vertical mounting.

♥ Note listing on inside back flap

**Green items are Premium Efficient**

\* F.L. Amps @ 460 Volts

C/A - Check Availability

Specifications are subject to change without notice

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Explosion Proof Motors

Automotive Duty Motors

Pump Motors

Washguard Motors

Agricultural Motors

HVAC / Fan Motors

Special Voltage Motors

Definite Purpose Motors

Brake Motors