



Product Information Packet

CEBM3714T

10HP,1770RPM,3PH,60HZ,215TC,3752M,TEFC,F

| Part Detail | | | | | | | |
|-------------|--------|-------------|------------|-------------|--------|---------------|------------|
| Revision: | - | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Elec. Spec: | 37WGL865 | CD Diagram: | CD0005 | Mfg Plant: | |
| Mech. Spec: | 37L933 | Layout: | 37LYL933 | Poles: | 04 | Created Date: | 01-29-2021 |
| Base: | RG | Eff. Date: | 02-12-2021 | Leads: | 9#14 | | |

| Specs | | | |
|---------------------------------|-------------------------|--------------------------------|-----------------------|
| Catalog Number: | CEBM3714T | Heater Indicator: | No Heater |
| Enclosure: | TEFC | Insulation Class: | F |
| Frame: | 215TC | Inverter Code: | Inverter Ready |
| Frame Material: | Steel | KVA Code: | K |
| Output @ Frequency: | 10.000 HP @ 60 HZ | Lifting Lugs: | Standard Lifting Lugs |
| Synchronous Speed @ Frequency: | 1800 RPM @ 60 HZ | Locked Bearing Indicator: | Locked Bearing |
| Voltage @ Frequency: | 460.0 V @ 60 HZ | Motor Lead Quantity/Wire Size: | 9 @ 14 AWG |
| | 230.0 V @ 60 HZ | Motor Lead Exit: | Ko Box |
| XP Class and Group: | None | Motor Lead Termination: | Flying Leads |
| XP Division: | Not Applicable | Motor Type: | 3752M |
| Agency Approvals: | UR | Mounting Arrangement: | F1 |
| | CSA EEV | Power Factor: | 85 |
| | CSA | Product Family: | General Purpose |
| Auxillary Box: | No Auxillary Box | Pulley End Bearing Type: | Ball |
| Auxillary Box Lead Termination: | None | Pulley Face Code: | C-Face |
| Base Indicator: | Rigid | Pulley Shaft Indicator: | Standard |
| Bearing Grease Type: | Polyrex EM (-20F +300F) | Rodent Screen: | None |
| Blower: | None | Shaft Extension Location: | Pulley End |

| | | | |
|---------------------------------------|---------------------------|------------------------------------|---------------------|
| Current @ Voltage: | 12.500 A @ 460.0 V | Shaft Ground Indicator: | No Shaft Grounding |
| | 25.000 A @ 230.0 V | Shaft Rotation: | Reversible |
| | 27.000 A @ 208.0 V | Shaft Slinger Indicator: | No Slinger |
| Design Code: | A | Speed Code: | Single Speed |
| Drip Cover: | No Drip Cover | Motor Standards: | NEMA |
| Duty Rating: | CONT | Starting Method: | Direct on line |
| Electrically Isolated Bearing: | Not Electrically Isolated | Thermal Device - Bearing: | None |
| Feedback Device: | NO FEEDBACK | Thermal Device - Winding: | None |
| Front Face Code: | Brake Mounting | Vibration Sensor Indicator: | No Vibration Sensor |
| Front Shaft Indicator: | None | Winding Thermal 1: | None |
| | | Winding Thermal 2: | None |

Nameplate NP1259L

| | | | | | | | | | | | | |
|--------------|--------------|--|------|----------------|-----|-----|------|---|----|----|----|---|
| CAT.NO. | CEBM3714T | | | | | | | | | | | |
| SPEC. | 37L933L865G1 | | | | | | | | | | | |
| HP | 10 | | | | | | | | | | | |
| VOLTS | 230/460 | | | | | | | | | | | |
| AMP | 25/12.5 | | | | | | | | | | | |
| RPM | 1770 | | | | | | | | | | | |
| FRAME | 215TC | | | | HZ | | 60 | | | PH | | 3 |
| SER.F. | 1.15 | | CODE | | K | DES | | A | CL | | F | |
| NEMA-NOM-EFF | 91.7 | | | PF | | 85 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | | | |
| CC | 010A | | | USABLE AT 208V | | | | | | | 27 | |
| DE | 6307 | | | | ODE | | 6306 | | | | | |
| ENCL | TEFC | | SN | | | | | | | | | |
| | | | | | | | | | | | | |

AC Induction Motor Performance Data

Record # 85459

Preliminary Data Sheet

| Winding: 37WGL865-R001 | | | Type: 3752M | | Enclosure: TEFC | | |
|------------------------|----------|-----------|--|--|-------------------------|-----------------------|---------|
| Nameplate Data | | | 460 V, 60 Hz: High Voltage Connection | | | | |
| Rated Output (HP) | | 10 | Full Load Torque | | 29.7 LB-FT | | |
| Volts | | 230/460 | Start Configuration | | direct on line | | |
| Full Load Amps | | 25.0/12.5 | Breakdown Torque | | 102 LB-FT | | |
| R.P.M. | | 1770 | Pull-up Torque | | 46.9 LB-FT | | |
| Hz | 60 Phase | 3 | Locked-rotor Torque | | 62.2 LB-FT | | |
| NEMA Design Code | | A | KVA Code | | K | Starting Current | 101 A |
| Service Factor (S.F.) | | 1.15 | No-load Current | | 5.33 A | | |
| NEMA Nom. Eff. | | 91.7 | Power Factor | | 85 | Line-line Res. @ 25°C | 0.982 Ω |
| Rating - Duty | | 40C | AMB-CONT | | Temp. Rise @ Rated Load | | 69°C |
| S.F. Amps | | 28.4/14.2 | Temp. Rise @ S.F. Load | | 92°C | | |
| | | | Locked-rotor Power Factor | | 42 | | |
| | | | Rotor inertia | | 1.28 lb-ft² | | |

Load Characteristics 460 V, 60 Hz, 10 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 44 | 66 | 77 | 82 | 84 | 85 | 84 |
| Efficiency | 88.7 | 92.3 | 92.7 | 92.2 | 91.3 | 90 | 91.4 |
| Speed | 1793 | 1786 | 1778 | 1770 | 1761 | 1751 | 1762 |
| Line amperes | 6.05 | 7.73 | 9.9 | 12.5 | 15.3 | 18.3 | 14.1 |

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





