



Customer information packet

XM36642T

60HP, 1780RPM, 3PH, 60HZ, 364T, TEFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

| | |
|-------------------------------|--|
| Enclosure | TEFC |
| Frame | 364T |
| Frame Material | Iron |
| Frequency | 60.00 Hz |
| Haz Area Class and Group | CLI GP D; CLII GP F,G |
| Haz Area Division | Division I |
| Motor Letter Type | Three Phase |
| Output @ Frequency | 60.000 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| Agency Approvals | CCSAUSEEV CSA UL |
| Ambient Temperature | 40 °C |
| Auxillary Box | No Auxillary Box |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Constant Torque Speed Range | 6-60 |
| Current @ Voltage | 70.000 A @ 460.0 V 152.000 A @ 208.0 V 140.000 A @ 230.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 95.0 % |
| Feedback Device | NO FEEDBACK |
| Haz Area Temp Code | T3C |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 70.0 a |
| Insulation Class | F |

Part detail

| | |
|--------------|------------|
| Revision | A |
| Type | AC |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | A36WG4075 |
| Layout | 611742-987 |
| Eff. date | 06-02-2023 |
| CD Diagram | CD0180 |
| Poles | 04 |
| Leads | 3#4,6#6 |
| Proprietary | False |
| Created date | 11-15-2019 |

| | |
|--------------------------------------|----------------------------|
| Inverter Code | Inverter Ready |
| IP Rating | NONE |
| KVA Code | G |
| Lifting Lugs | Standard Lifting Lugs |
| Max Speed | 2700 rpm |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG |
| Motor Standards | NEMA |
| Motor Type | A3658M |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 33.48 IN |
| Power Factor | 84 |
| Product Family | General Industrial |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | Standard |
| Service Factor | 1.00 |
| Shaft Diameter | 2.374 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | Shaft Slinger |
| Speed | 1780 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | Normally Closed Thermostat |

Nameplate

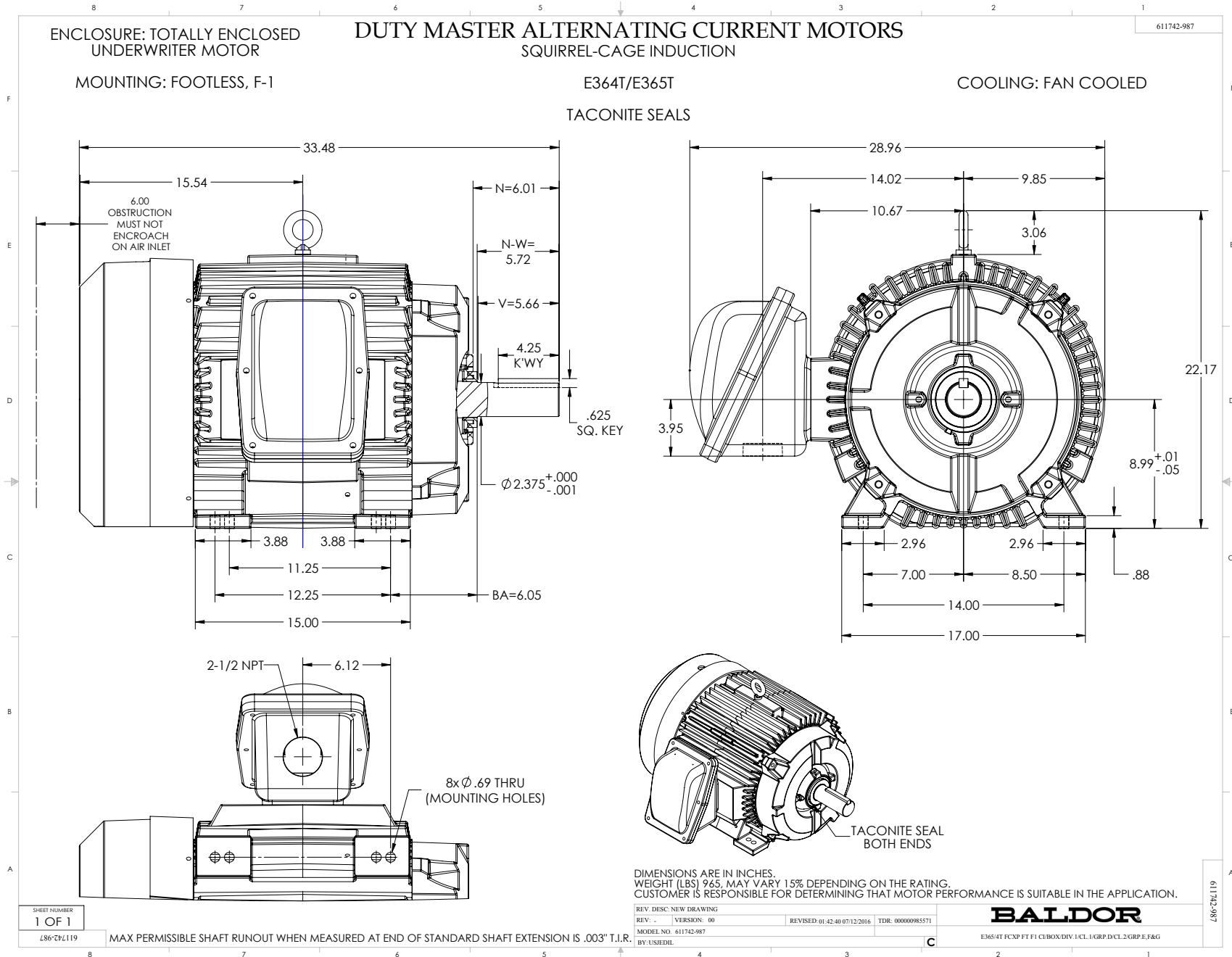
| | |
|------------------|--|
| NP2496L | |
| MOBIL POLYREX EM | |
| | |

000613006PC

CLASS I GROUP D X X **NO.****CLASS II GROUP** F G X**OPERATING TEMP CODE** T3C

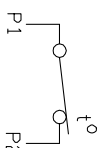
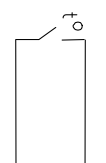
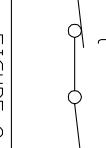
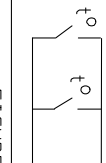
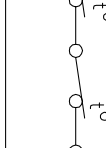
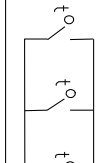
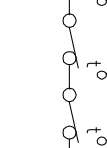
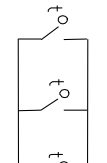
NP4017L

| | | | | | | | |
|--------------------------|---------------|--------------|---------------------|----------------|--------------|--------------------|-------------------------------|
| SPEC NO. | A36-6182-4075 | | CAT.NO. | XM36642T | | FRAME SIZE | 364T |
| HP | 60 | VOLTS | 230/460 | | PHASE | 3 | DESIGN B TYPE P |
| RPM | 1780 | AMPS | 140/70 | | HZ | 60 | AMB 40 SF 1.00 |
| DRIVE END BEARING | 65BC03J30X | | DUTY | CONT | | INSUL CLASS | F |
| OPP D.E. BEARING | 65BC03J30X | | ENCL | TEFC | | CODE | G |
| SINE WAVE SF | 1.15 | WK2 | 13.42 | MAG CUR | 50/25 | | MAX RPM 2700 |
| CT HZ | 6-60 | VT HZ | 0-60 | CHP HZ | 60-90 | | NOM.EFF. 95 |
| | IP54 | | | | | | |
| SER.NO. | | | MOTOR WEIGHT | 972 | | | |



CONNECTION DIAGRAM ACCESSORIES

| | |
|---------------------------|-----------------------|
| MOTOR WINDING THERMOSTATS | |
| CONTACTS _____ @ _____ °C | |
| FIGURE NUMBER _____ | |
| CONTACT RATING | |
| VOLTS | CONTINUOUS AMPERES |
| 110-120 | 3.0 |
| 220-240 | 1.5 |
| 440-480 | 0.75 |
| 550-600 | 0.60 |
| | INRUSH AMPERES |
| | 30 |
| | 15 |
| | 7.5 |
| | 6.0 |

| NORMALLY CLOSED | THERMOSTATS | NORMALLY OPEN |
|--|-------------|--|
|  <p>FIGURE 1</p> | |  <p>FIGURE 4</p> |
|  <p>FIGURE 2</p> | |  <p>FIGURE 5</p> |
|  <p>FIGURE 3</p> | |  <p>FIGURE 6</p> |
|  <p>FIGURE 7</p> | |  <p>FIGURE 8</p> |

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

418174-006

418174-006

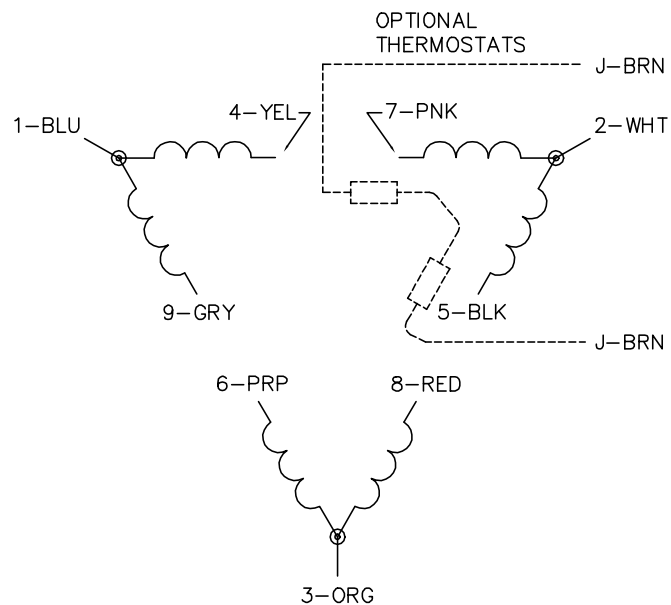
| | | |
|--------------------------|------------------------------|------------------|
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| MTL: - | | |

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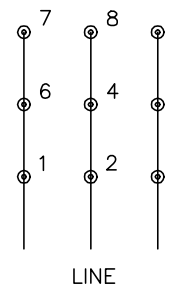
A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

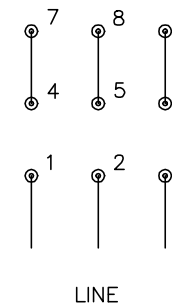
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

| | | |
|-----------------------------------|--------------------------------|-------------------|
| REV. DESC: ADD CLASS CONN00000007 | | |
| REV. LTR: D | VERSION: 01 | TDR: 000001099922 |
| FILE: \AAA\00005\148 | REVISED: 10: 25: 29 02/19/2019 | BY: ENBRIRO |
| MTL: - | © □ | |

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1