



Customer information packet

EM3219T

7.5HP, 3480RPM, 3PH, 60HZ, 184T, 3632M, OPSB, F

Class - None

Division - Not Applicable

Specifications

| | |
|--------------------------------|---|
| Enclosure | OPSB |
| Frame | 184T |
| Frame Material | Steel |
| Frequency | 60.00 Hz |
| Haz Area Class and Group | None |
| Haz Area Division | Not Applicable |
| Motor Letter Type | Three Phase |
| Output @ Frequency | 7.500 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| Agency Approvals | CSA EEV NEMA PREMIUM NEMA_PREMIUM UR |
| Ambient Temperature | 40 °C |
| Auxillary Box | No Auxillary Box |
| Auxillary Box Lead Termination | None |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Blower | None |
| Current @ Voltage | 8.700 A @ 460.0 V 18.400 A @ 208.0 V 17.400 A @ 230.0 V |
| Design Code | A |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 88.5 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |

Part detail

| | |
|--------------|------------|
| Revision | D |
| Type | AC |
| Mech. spec. | 36G548 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 36WGQ034 |
| Layout | 36LYG548 |
| Eff. date | 06-11-2024 |
| CD Diagram | CD0005 |
| Poles | 02 |
| Leads | 9#16 |
| Proprietary | False |
| Created date | 12-09-2020 |

| | |
|-------------------------------|-----------------------|
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 8.7 a |
| Insulation Class | F |
| Inverter Code | Not Inverter |
| KVA Code | L |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | No Locked Bearing |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3632M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 15.00 IN |
| Power Factor | 89 |
| Product Family | General Purpose |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | Standard |
| Pulley Shaft Indicator | Standard |
| Rodent Screen | None |
| Service Factor | 1.15 |
| Shaft Diameter | 1.125 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 3480 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | None |
| Vibration Sensor Indicator | No Vibration Sensor |
| Winding Thermal 1 | None |
| Winding Thermal 2 | None |

Nameplate

| NP3553LUA | | | | | | | | | |
|----------------------------------|--------------------------------|-------------|-----------|------------|---|--------------|---|-------|--|
| CAT.NO. | EM3219T | | | | | | | | |
| SPEC. | 36G548Q034 | | | | | | | | |
| HP | 7.5 | | | | | | | | |
| VOLTS | 230/460 | | | | | | | | |
| AMPS | 17.4/8.7 | | | | | | | | |
| RPM | 3480 | | | | | | | | |
| FRAME | 184T | | HZ | 60 | | PH | 3 | | |
| SF | 1.15 | CODE | L | DES | A | CLASS | F | | |
| NEMA NOM. EFF | 88.5 | PF | 89 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | 010A | | | | | | | | |
| ENCL | OPSB | SN | | | | | | | |
| DE | 6206 | ODE | 6205 | | | | | | |
| VPWM INVERTER READY | | | | | | | | | |
| CT30-60(2:1) VT3-60(20:1) | | | | | | | | | |
| USABLE AT | 50HZ 7.5HP 190/380V 21.2/10.6A | | | | | | | SF1.0 | |

Accessories

| Part number | Description | Multiplier |
|--------------------|--------------------|-------------------|
| 36-3403 | C FACE KIT | A8 |
| 36EP1405A09SP | D-FLANGE KIT | |

AC Induction Motor Performance Data

Record # 85745

Preliminary Data Sheet

| Winding: 36WGQ034-RXXZ | | Type: 3632M | Enclosure: ODP |
|------------------------|-------------------|--|--------------------------|
| Nameplate Data | | 460 V, 60 Hz: High Voltage Connection | |
| Rated Output (HP) | 7.5 | Full Load Torque | 11.3 LB-FT |
| Volts | 230/460 | Start Configuration | direct on line |
| Full Load Amps | 17.4/8.7 | Breakdown Torque | 54.3 LB-FT |
| R.P.M. | 3480 | Pull-up Torque | 36.1 LB-FT |
| Hz | 60 Phase | Locked-rotor Torque | 41.4 LB-FT |
| NEMA Design Code | A KVA Code | Starting Current | 86.3 A |
| Service Factor (S.F.) | 1.15 | No-load Current | 3.04 A |
| NEMA Nom. Eff. | 88.5 Power Factor | Line-line Res. @ 25°C | 1.69 Ω |
| Rating - Duty | 40C AMB-CONT | Temp. Rise @ Rated Load | 45°C |
| S.F. Amps | 20/10 | Temp. Rise @ S.F. Load | 61°C |
| | | Locked-rotor Power Factor | 63.2 |
| | | Rotor inertia | 0.143 lb-ft ² |

Load Characteristics 460 V, 60 Hz, 7.5 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 58 | 80 | 87 | 91 | 93 | 93 | 92 |
| Efficiency | 81.7 | 87.9 | 89 | 88.6 | 87.6 | 86.1 | 88 |
| Speed | 3572 | 3543 | 3513 | 3478 | 3442 | 3403 | 3457 |
| Line amperes | 3.68 | 4.98 | 6.77 | 8.66 | 10.8 | 13.1 | 9.9 |

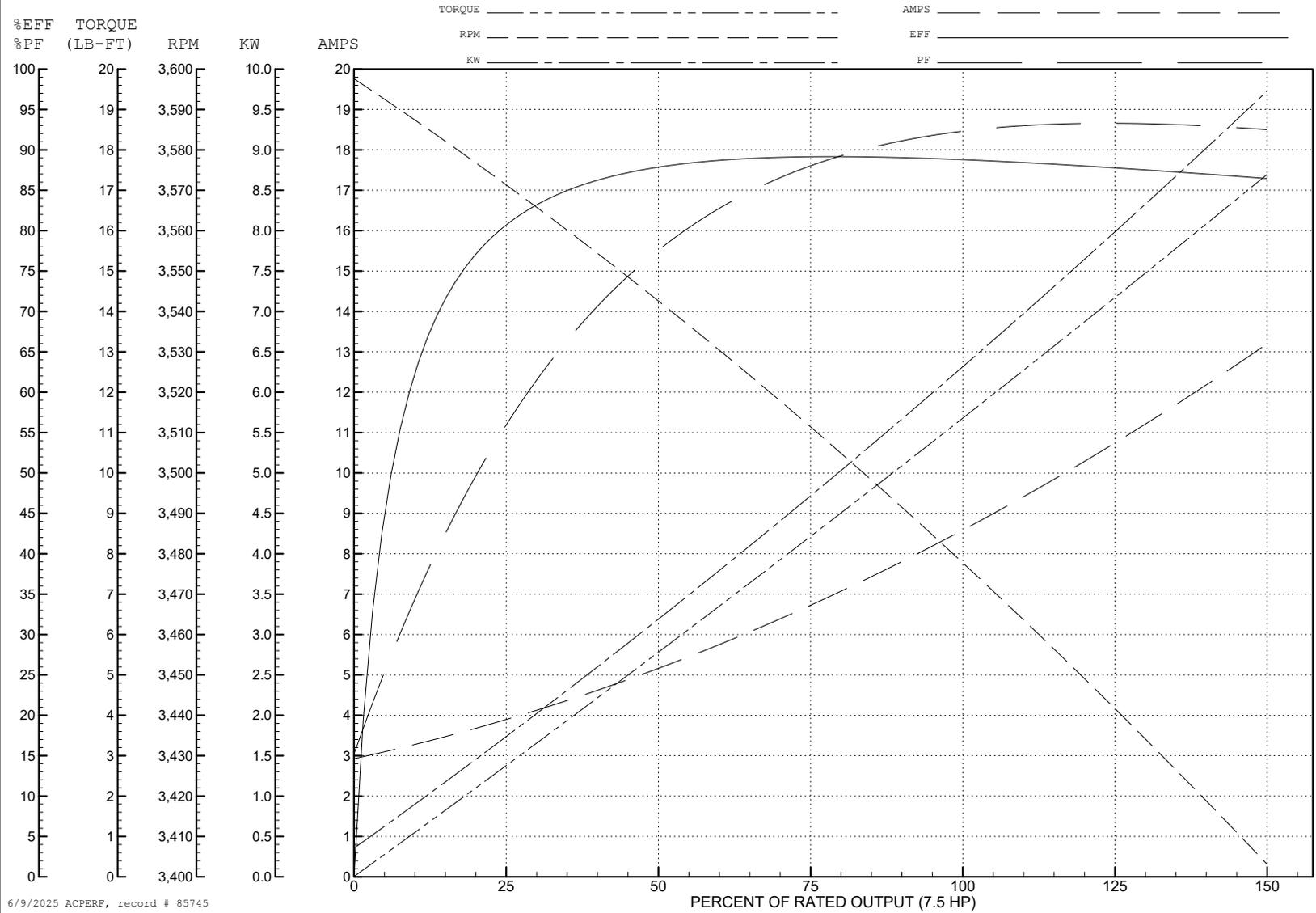
ABB Motors and Mechanical Inc.

WINDING # 36WGQ034

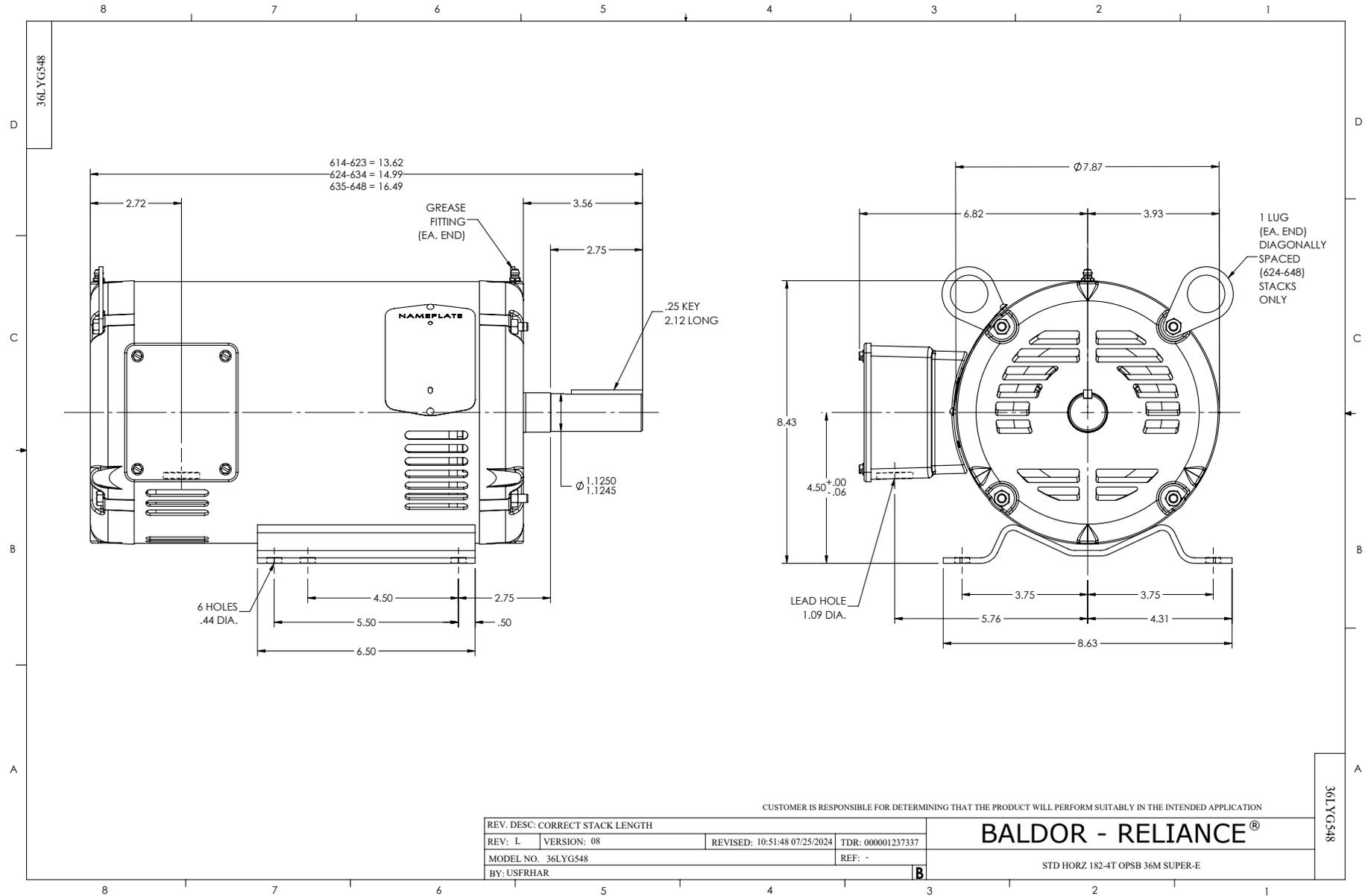
Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 3480 RPM 460 V 3632M

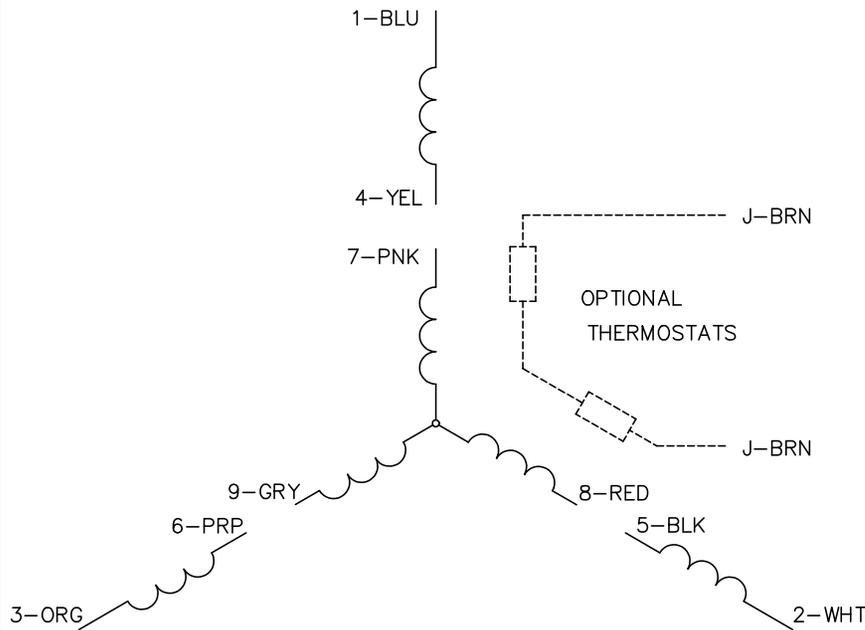
TORQUES (LB-FT): PO=54.3 PU=36.1 LR=41.4 LRA=86.3



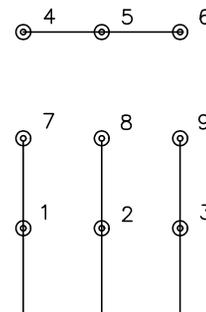
6/9/2025 ACPERF, record # 85745



CD0005

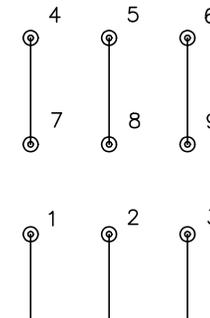


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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.

CD0005

| | | | |
|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| S00000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS