ABB BALDOR RELIANCE

# Customer information packet

## SPM3613T

5HP, 3475RPM, 3PH, 60HZ, 184T, 3640M, TEFC, F1
Class - None
Division - Not Applicable

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## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **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** | 5.000 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** | WEEE |
| | NEMA PREMIUM 4 |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 11.000 A @ 230.0 V |
| | 5.500 A @ 460.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 89.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 5.5 a |
| **Insulation Class** | F |

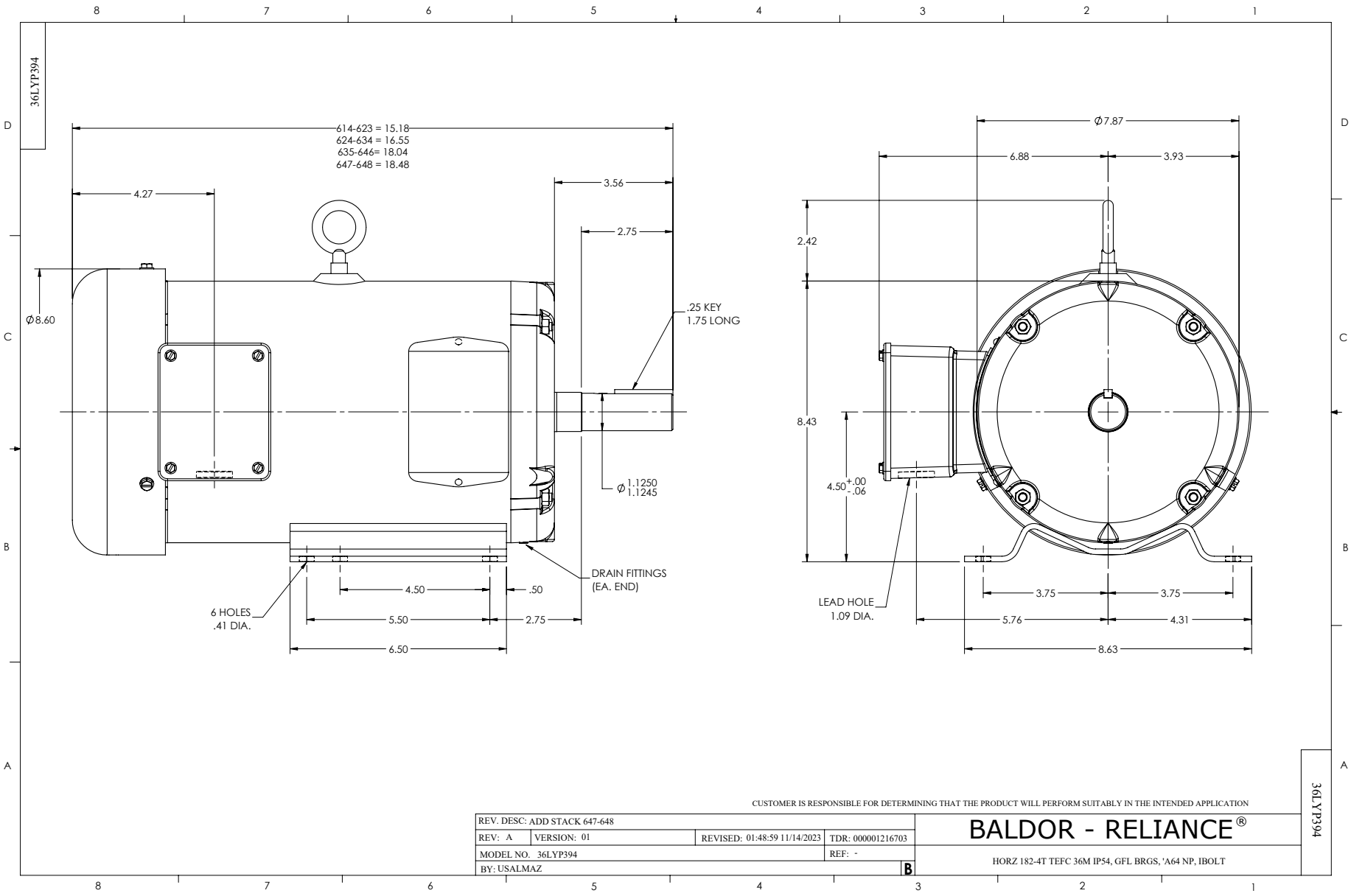
## Part Detail

| | |
|---|---|
| **Revision** | C |
| **Type** | AC |
| **Mech. spec.** | 36P394 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGN051 |
| **Layout** | 36LYP394 |
| **Eff. date** | 06-07-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 02 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 09-07-2023 |

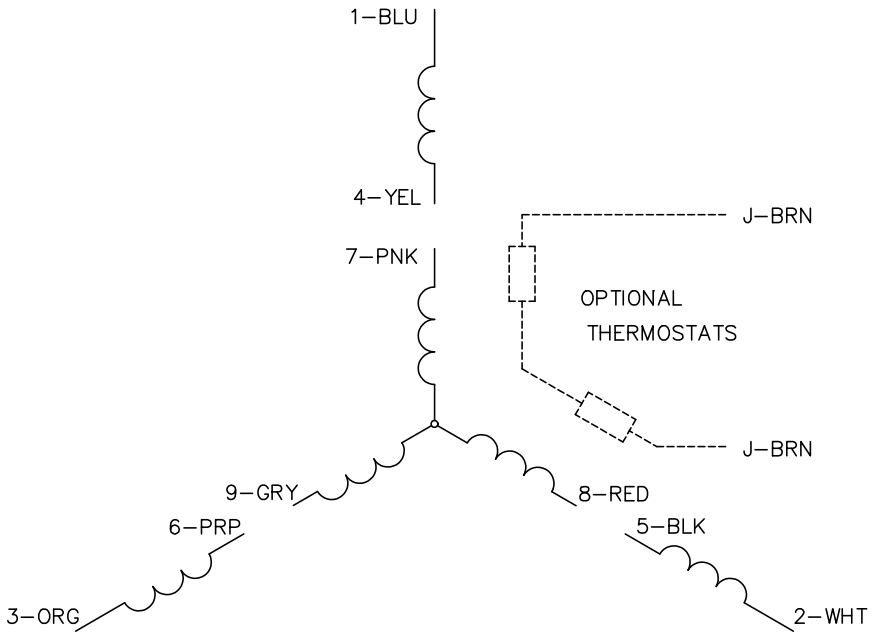
| | |
|---|---|
| **Inverter Code** | Inverter Duty |
| **KVA Code** | L |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Max Speed** | 5400 rpm |
| **Motor Lead Quantity/Wire Size** | 9 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3640M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 2 |
| **Overall Length** | 18.04 IN |
| **Power Factor** | 94 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 3475 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 |

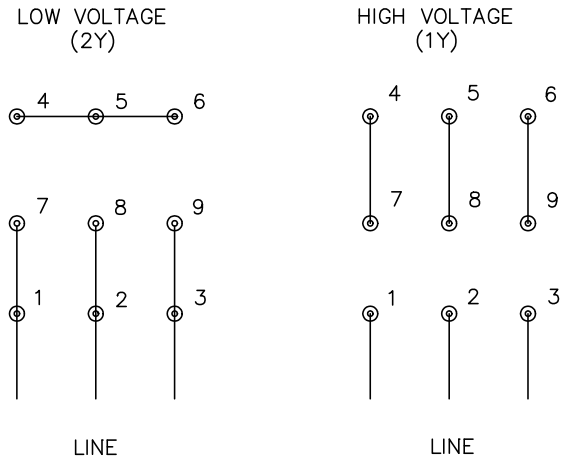
**Nameplate**

| NP4423A01A01L | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT #** | SPM3613T | | | **WGT** | 94 | **LBS** | | | | | | |
| **SPEC** | 36P394N051 | | | **ENCL** | TEFC | | | | | | | |
| **SER #** | | | | **CC** | 010A | **IP** | 54 | | | | | |
| **HP** | 5 | | | **MAG CUR** | 3/1.5 | | | | | | | |
| **VOLTS** | 230/460 | | | | | **NEMA NOM. EFF** | 89.5 | | | | | |
| **AMPS** | 11/5.5 | | | | | **PF** | 94 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | | |
| **RPM** | 3475 | | | | | **MAX RPM** | 5400 | | | | | |
| **FRAME** | 184T | **HZ** | 60 | **CODE** | L | **CLASS** | F | | | | | |
| **SER.F.** | 1.15 | **SF AMP** | 12.8/6.4 | | | **PH** | 3 | **DES** | A | | | |
| **DE** | 6206 | | | **ODE** | 6205 | | | | | | | |
| **LUBRICATION** | POLYREX EM | | | | | | | | | | | |
| **ID LOGO** | **INVERTER TYPE** | | | **VPWM** | | **CHP** | 60 | **TO** | 90 | 1.5:1 | | |
| **ID LOGO** | **WK2** | 0.18 | **CT** | 6 | **TO** | 60 | | 10:1 | | | | |
| **ID LOGO** | **SL HZ** | 2.1 | **VT** | 3 | **TO** | 60 | | 20:1 | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | **QR** | | | | | | |
| **YR** | | | | | | | | | | | | |


36LYP394
614-623 = 15.18
624-634 = 16.55
635-646= 18.04
647-648 = 18.48
4.27
3.56
2.75
Ø8.60
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
DRAIN FITTINGS
(EA. END)
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
Ø7.87
6.88
3.93
2.42
8.43
4.50 +.00 -.06
LEAD HOLE
1.09 DIA.
3.75
3.75
5.76
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD STACK 647-648
REV: A
VERSION: 01
REVISED: 01:48:59 11/14/2023
TDR: 000001216703
MODEL NO. 36LYP394
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HORZ 182-4T TEFC 36M IP54, GFL BRGS, 'A64 NP, IBOLT
36LYP394

CD0005




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

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|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |