ABB BALDOR RELIANCE

# Customer information packet

## SPM3212T

5HP, 3490RPM, 3PH, 60HZ, 182T, 3634M, OPSB, F1
Class - None
Division - Not Applicable

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11/18/2026 7:41:05 AM

## Specifications

| | |
|---|---|
| **Enclosure** | OPSB |
| **Frame** | 182T |
| **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** | NEMA PREMIUM 4 |
| | WEEE |
| **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** | 11.200 A @ 230.0 V |
| | 12.200 A @ 208.0 V |
| | 5.600 A @ 460.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 91.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 5.6 a |

## Part Detail

| | |
|---|---|
| **Revision** | C |
| **Type** | AC |
| **Mech. spec.** | 36P391 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGT826 |
| **Layout** | 36LYP391 |
| **Eff. date** | 06-07-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 02 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 09-07-2023 |

| | |
|---|---|
| **Insulation Class** | F |
| **Inverter Code** | Inverter Duty |
| **KVA Code** | L |
| **Lifting Lugs** | Vertical 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** | 3634M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 2 |
| **Overall Length** | 16.49 IN |
| **Power Factor** | 93 |
| **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** | 3490 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 #** | SPM3212T | | | **WGT** | 81 | **LBS** | | | | | | |
| **SPEC** | 36P391T826 | | | **ENCL** | OPSB | | | | | | | |
| **SER #** | | | | **CC** | 010A | **IP** | 22 | | | | | |
| **HP** | 5 | | **MAG CUR** | 11.2/5.6 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | **NEMA NOM. EFF** | 91 | | | | | |
| **AMPS** | 11.2/5.6 | | | | **PF** | 93 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | | |
| **RPM** | 3490 | | | **MAX RPM** | 5400 | | | | | | | |
| **FRAME** | 182T | **HZ** | 60 | **CODE** | L | **CLASS** | F | | | | | |
| **SER.F.** | 1.15 | **SF AMP** | | | **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** | 0.15 | **CT** | 6 | **TO** | 60 | 10:1 | | | | | |
| **ID LOGO** | **SL HZ** | 1.8 | **VT** | 3 | **TO** | 60 | 20:1 | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | **QR** | | | | | | |
| **YR** | | | | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 100980
Typical performance - not guaranteed values

| **Winding:** 36WGT826-R009 | **Type:** 3634M | **Enclosure:** OPSB |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 5 | **Full Load Torque** | 7.6 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 11.2/5.6 | **Breakdown Torque** | 41.6 LB-FT |
| **R.P.M.** | | | 3490 | **Pull-up Torque** | 26 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 30.5 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | L | **Starting Current** | 59.9 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.61 A |
| **NEMA Nom. Eff.** | 91 | **Power Factor** | 93 | **Line-line Res. @ 25ºC** | 2.17 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 24°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 31°C |
| | | | | **Locked-rotor Power Factor** | 43.2 |
| | | | | **Rotor inertia** | 0.152 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 63 | 83 | 90 | 93 | 94 | 95 | 94 |
| **Efficiency** | 89.2 | 92 | 91.9 | 91.1 | 89.8 | 88.3 | 90.3 |
| **Speed** | 3572 | 3546 | 3518 | 3490 | 3458 | 3423 | 3471 |
| **Line amperes** | 2.16 | 3.15 | 4.32 | 5.58 | 6.96 | 8.51 | 6.41 |

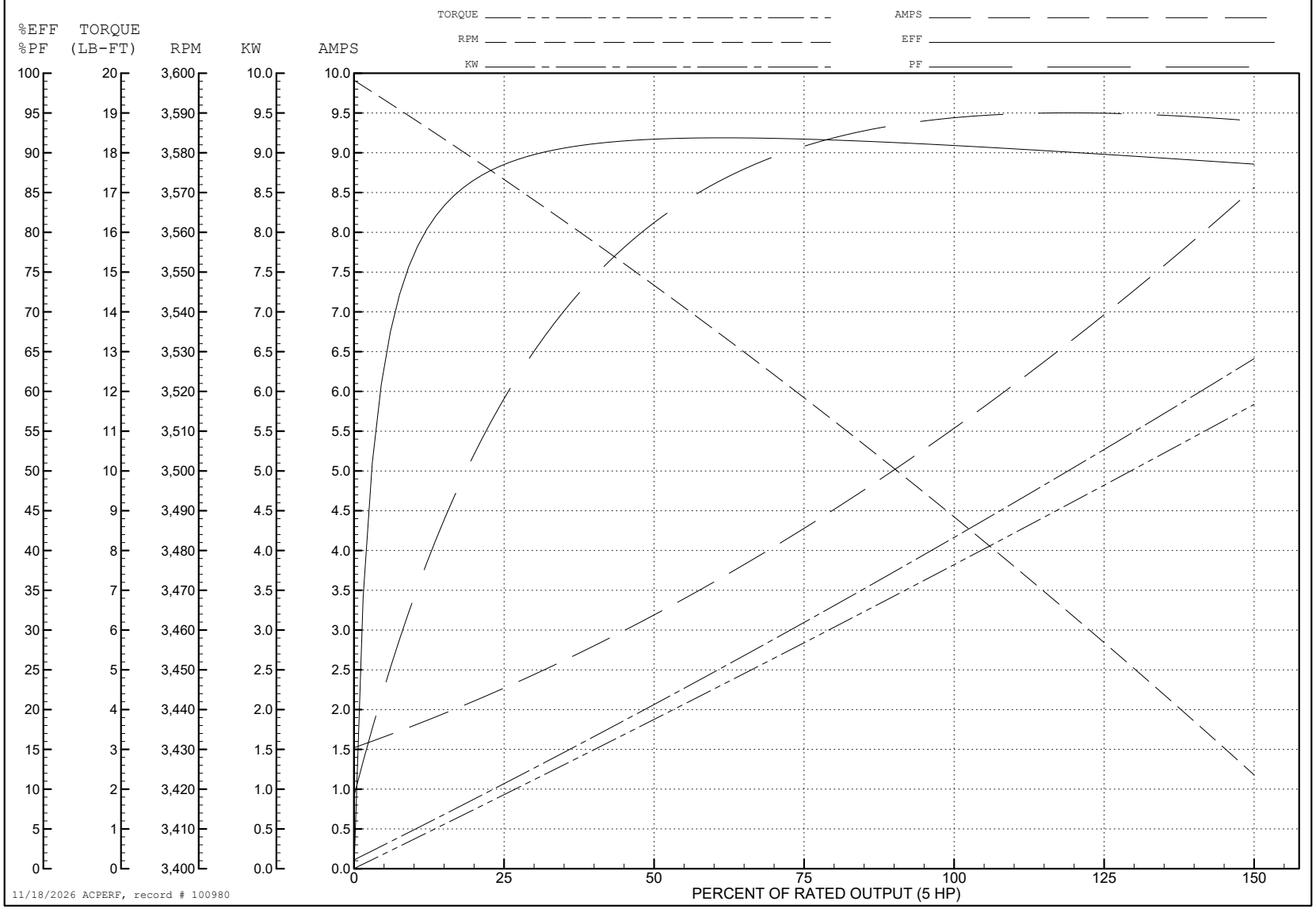
ABB Motors and Mechanical Inc.

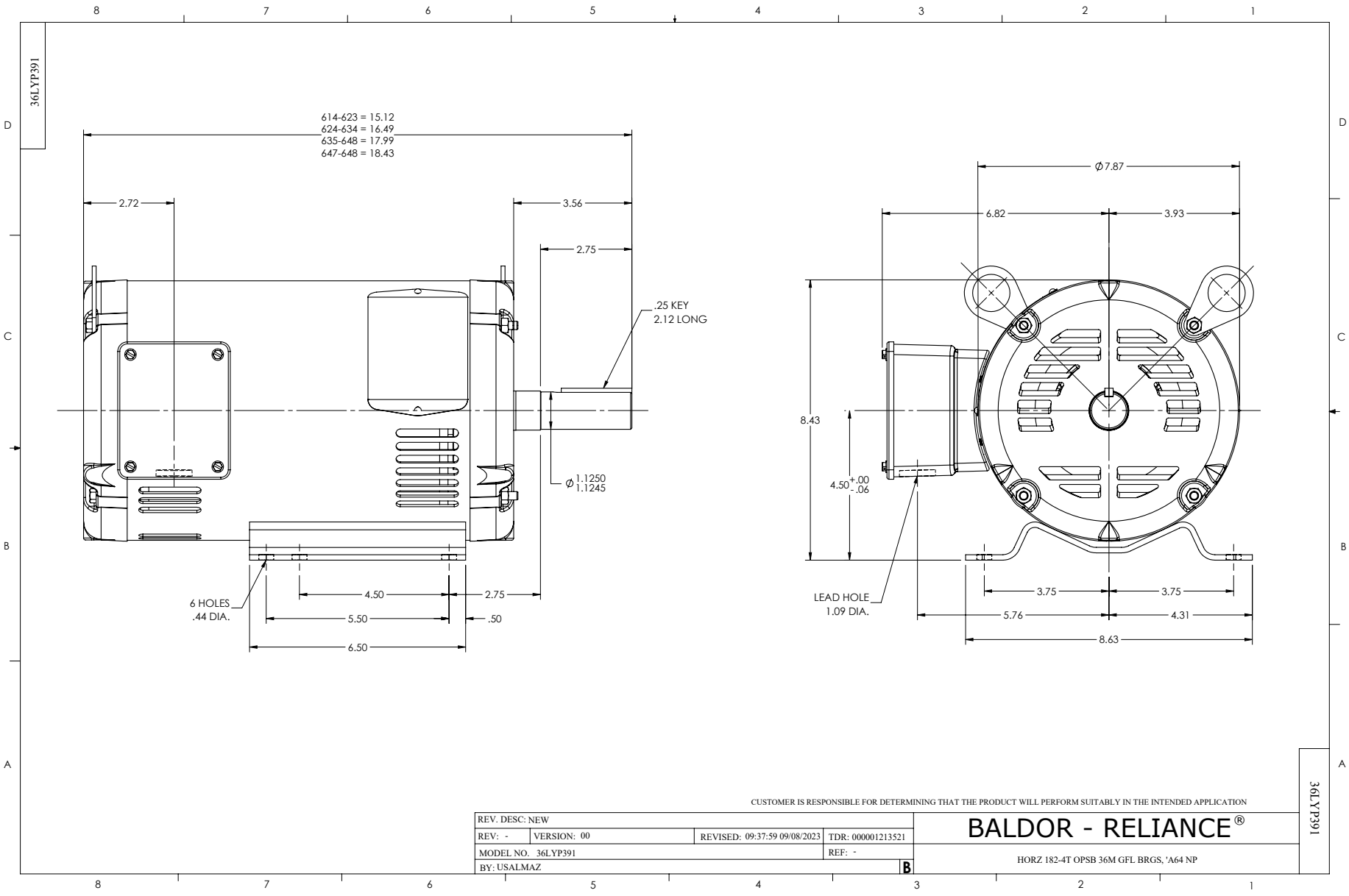
WINDING # 36WGT826

5 HP 3 PH 60 HZ 3490 RPM 460 V 3634M

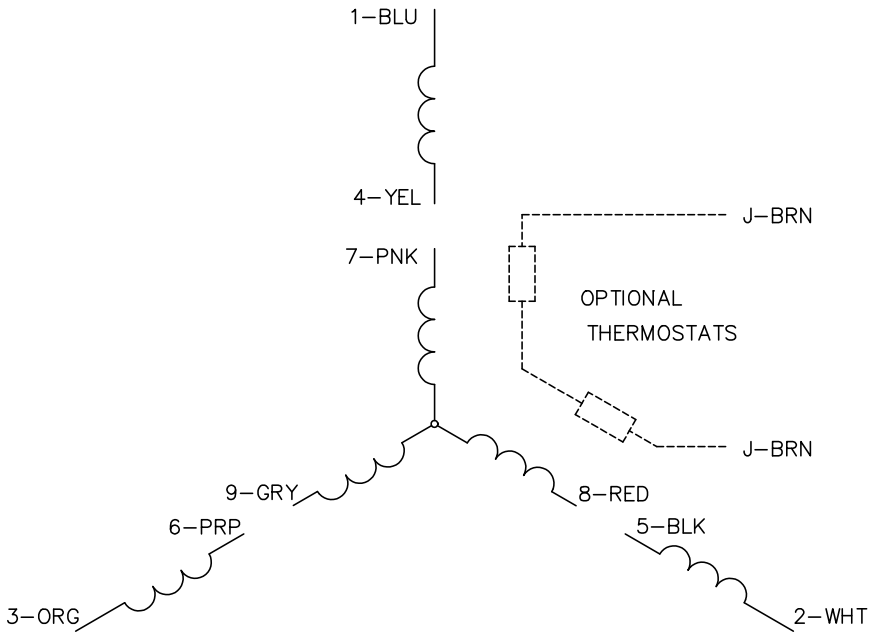
Typical performance - not guaranteed values.

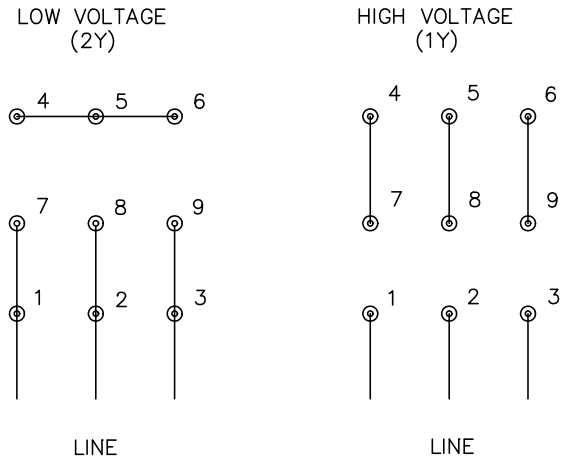
TORQUES(LB-FT): PO=41.6 PU=26 LR=30.5 LRA=59.9




36LYP391
614-623 = 15.12
624-634 = 16.49
635-648 = 17.99
647-648 = 18.43
2.72
3.56
2.75
.25 KEY
2.12 LONG
Ø 1.1250
1.1245
6 HOLES
.44 DIA.
4.50
2.75
5.50
.50
6.50
Ø7.87
6.82
3.93
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: NEW
REV: - VERSION: 00 REVISED: 09:37:59 09/08/2023 TDR: 000001213521
MODEL NO. 36LYP391 REF: -
BY: USALMAZ B
BALDOR - RELIANCE®
HORZ 182-4T OPSB 36M GFL BRGS, 'A64 NP
36LYP391

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

| | | | |
|---|---|---|---|
| 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 |