ABB BALDOR RELIANCE

# Customer information packet

## XM18542T-5

42M 4P XPFC HOR 184T T'STATS INVERTER
Class - CLI GP D; CLII GP F,G
Division - Division I

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## Specifications

| | |
|---|---|
| **Enclosure** | XPFC |
| **Frame** | 184T |
| **Frame Material** | Steel |
| **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** | 5.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 575.0 V @ 60 HZ |
| **Agency Approvals** | CSA EEV |
| | UL |
| **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 |
| **Constant Torque Speed Range** | 30 |
| **Current @ Voltage** | 5.300 A @ 575.0 V |
| **Design Code** | B |
| **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 |
| **Haz Area Temp Code** | T3C |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 5.3 a |
| **Insulation Class** | F |

## Part Detail

| | |
|---|---|
| **Revision** | G |
| **Type** | AC |
| **Mech. spec.** | 36R726 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGS551 |
| **Layout** | 36LYR726 |
| **Eff. date** | 06-18-2026 |
| **CD Diagram** | CD0006 |
| **Poles** | 04 |
| **Leads** | 3#16 |
| **Proprietary** | False |
| **Created date** | 12-19-2018 |

| | |
|---|---|
| **Inverter Code** | Inverter Duty |
| **IP Rating** | NONE |
| **KVA Code** | J |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Max Speed** | 2700 rpm |
| **Motor Lead Quantity/Wire Size** | 3 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | X3642M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 19.74 IN |
| **Power Factor** | 78 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS NON-COMPLIANT |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 1.125 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1750 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | Normally Closed Thermostat |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP0887XPSLEV | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **NO.** | | | | **CC** | 010A | | | | | | |
| **S/N** | | | | **TEMP CODE** | T3C | | | | | | |
| **SPEC.** | 36R726S551G1 | | | **INV.TYPE** | PWM | | | | | | |
| **CAT.NO.** | XM18542T-5 | | | **C HP FR** | 60 | **C HP TO** | 90 | | | | |
| **HP** | 5 | | | **CT HZ FROM** | 30 | | | **CT HZ TO** | 60 | | |
| **VOLTS** | 575 | | | **VT HZ FROM** | 6 | | | **VT HZ TO** | 60 | | |
| **AMPS** | 5.3 | | | **MAG CUR** | 2.6 | | | | | | |
| **RPM** | 1750 | | | **MX RPM** | 2700 | | | | | | |
| **HZ** | 60 | **PH** | 3 | **CL** | F | **NOM.EFF.** | 89.5 | | | | |
| **SER.F.** | 1.00 | **DES** | B | **SL HZ** | 1.67 | **WK2** | 0.39 | | | | |
| **FRAME** | 184T | **RATING** | 40C AMB-CONT | | | | | | | | |
| | 55C AMB AT 1.00 SF SINEWAVE | | | | | | | | | | |
| | NEMA MG-1 PART 5, IP54 | | | | 1.15 SF SINEWAVE | | | | | | |

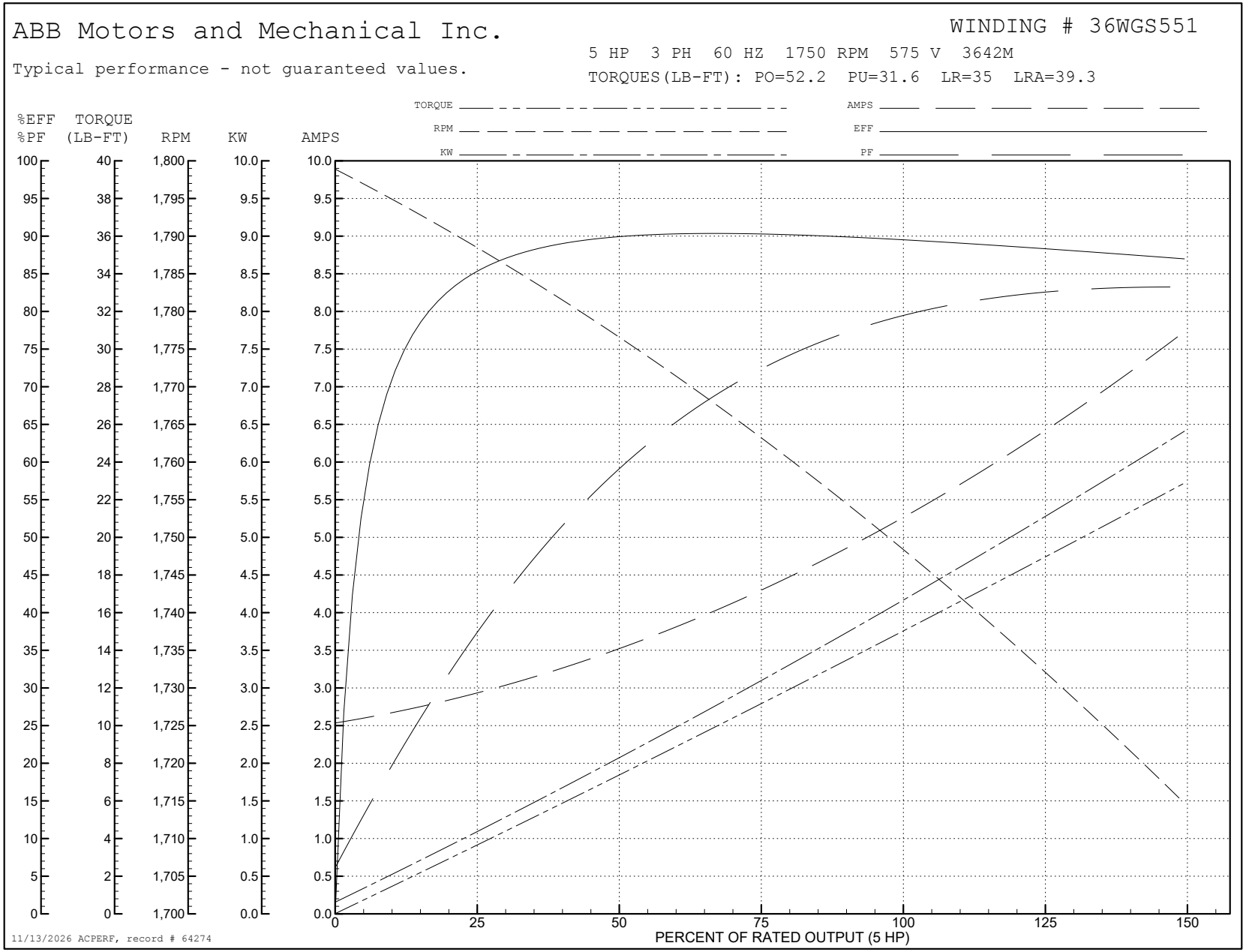
**AC Induction Motor Performance Data**
Record # 64274
Typical performance - not guaranteed values

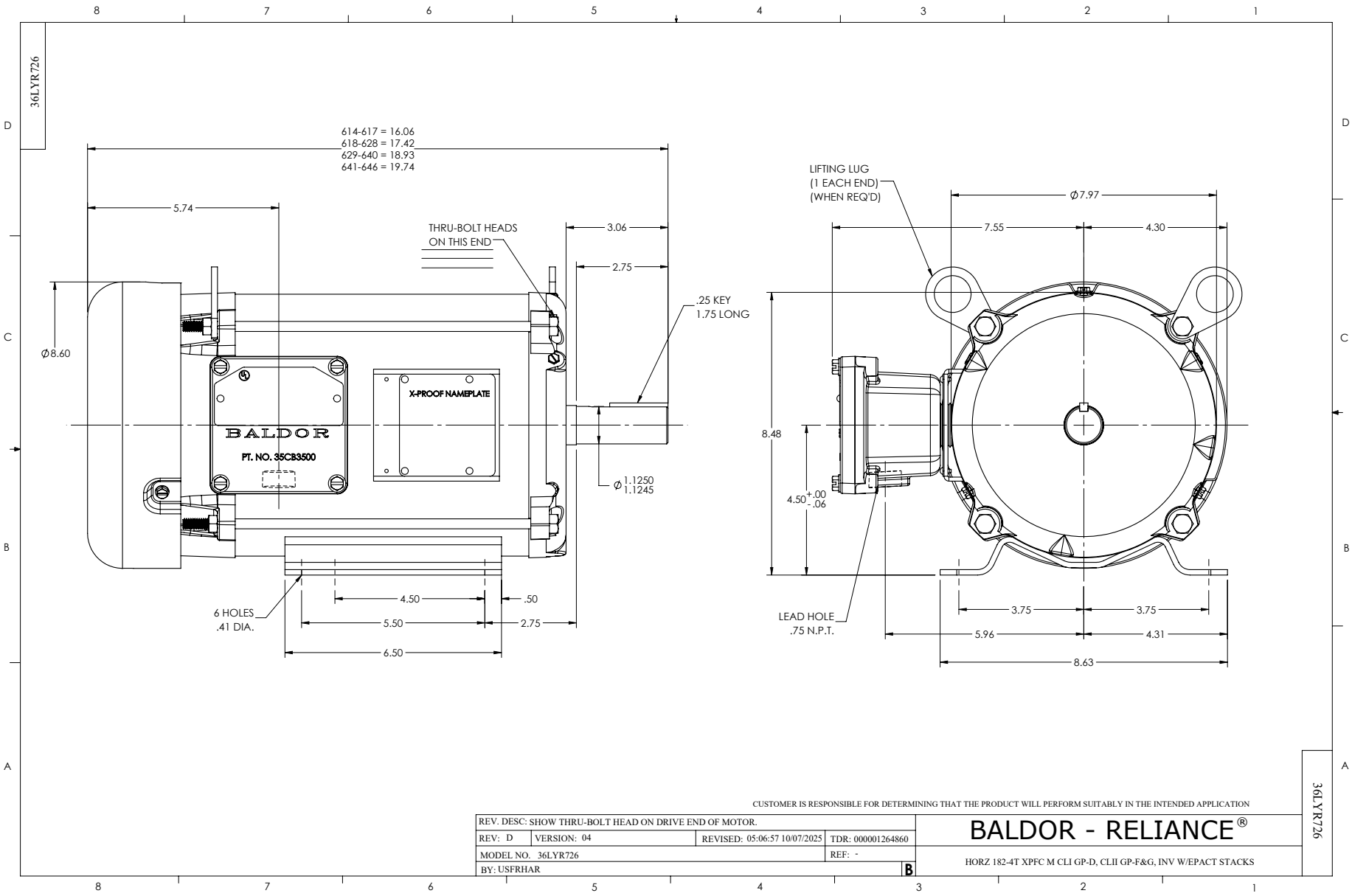
| **Winding:** 36WGS551-R022 | **Type:** 3642M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **575 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 5 | **Full Load Torque** | 14.9 LB-FT |
| **Volts** | | | 575 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 5.3 | **Breakdown Torque** | 52.2 LB-FT |
| **R.P.M.** | | | 1750 | **Pull-up Torque** | 31.6 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 35 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | J | **Starting Current** | 39.3 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 2.6 A |
| **NEMA Nom. Eff.** | 89.5 | **Power Factor** | 78 | **Line-line Res. @ 25ºC** | 3.57 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 77°C |
| | | | | **Locked-rotor Power Factor** | 40 |
| | | | | **Rotor inertia** | 0.391 LB-FT2 |

**Load Characteristics 575 V, 60 Hz, 5 HP**

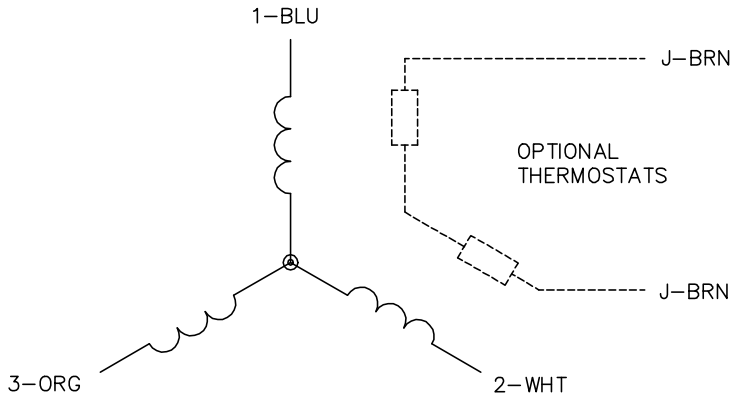
| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 38 | 60 | 72 | 78 | 83 | 83 |
| **Efficiency** | 84.7 | 89.6 | 90.4 | 89.5 | 88.4 | 86.9 |
| **Speed** | 1789 | 1776 | 1762 | 1750 | 1733 | 1714 |
| **Line amperes** | 2.85 | 3.45 | 4.35 | 5.33 | 6.36 | 7.72 |

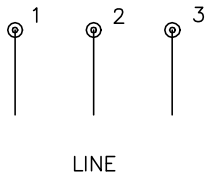

ABB Motors and Mechanical Inc.
WINDING # 36WGS551
5 HP 3 PH 60 HZ 1750 RPM 575 V 3642M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=52.2 PU=31.6 LR=35 LRA=39.3
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/13/2026 ACPERF, record # 64274


36LYR726
614-617 = 16.06
618-628 = 17.42
629-640 = 18.93
641-646 = 19.74
5.74
THRU-BOLT HEADS
ON THIS END
3.06
2.75
.25 KEY
1.75 LONG
Ø8.60
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø1.1250
1.1245
6 HOLES
.41 DIA.
4.50
.50
5.50
2.75
6.50
LIFTING LUG
(1 EACH END)
(WHEN REQ'D)
Ø7.97
7.55
4.30
8.48
4.50 +.00 -.06
LEAD HOLE
.75 N.P.T.
3.75
3.75
5.96
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: SHOW THRU-BOLT HEAD ON DRIVE END OF MOTOR.
REV: D
VERSION: 04
REVISED: 05:06:57 10/07/2025
TDR: 000001264860
MODEL NO. 36LYR726
REF: -
BY: USFRHAR
B
BALDOR - RELIANCE®
HORZ 182-4T XPFC M CLI GP-D, CLII GP-F&G, INV W/EPACT STACKS
36LYR726

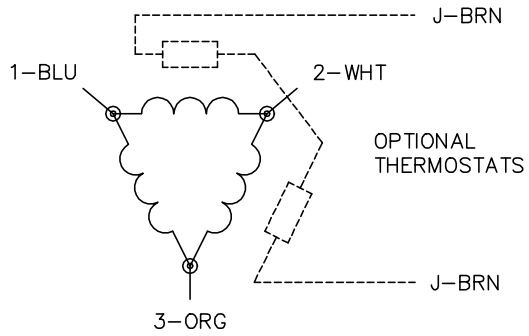
CD0006

TYPICAL WYE–CONNECTED MOTOR




TYPICAL DELTA–CONNECTED MOTOR




NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

| | | |
|---|---|---|
| REV. DESC: ADD CLASS CONN00000007 | | |
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| MTL: – | | |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1