ABB BALDOR RELIANCE

# Customer information packet

## CEFWWDM3554T

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3526M, TEFC
Class - None
Division - Not Applicable


8/12/2026 1:24:36 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 145TC |
| **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** | 1.500 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 208.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | UR |
| | CSA |
| | CSA EEV |
| **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** | 4.500 A @ 208.0 V |
| | 4.400 A @ 230.0 V |
| | 2.200 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 86.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |

## Part Detail

| | |
|---|---|
| **Revision** | S |
| **Type** | AC |
| **Mech. spec.** | 35E1678 |
| **Base** | |
| **Status** | NLA/A |
| **Elec. spec.** | 35WGM493 |
| **Layout** | 35LYE1678 |
| **Eff. date** | 01-05-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 12-14-2012 |

| | |
|---|---|
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 2.2 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3526M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 13.28 IN |
| **Power Factor** | 73 |
| **Product Family** | Super White Washdown |
| **Pulley End Bearing Type** | Sealed Bearing |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1760 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**

| NP1669L | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CEFWWDM3554T | | | | | | | |
| **SPEC.** | 35E1678M493G1 | | | | | | | |
| **HP** | 1.5 | | | | | | | |
| **VOLTS** | 208-230/460 | | | | | | | |
| **AMP** | 4.5-4.4/2.2 | | | | | | | |
| **RPM** | 1760 | | | | | | | |
| **FRAME** | 145TC | **HZ** | 60 | | | **PH** | 3 | |
| **SER.F.** | 1.15 | **CODE** | L | **DES** | B | **CLASS** | F | |
| **NEMA-NOM-EFF** | 86.5 | **PF** | 73 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | |
| **CC** | 010A | | | | | | | |
| **DE** | 6205 | **ODE** | 6205 | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | |
| **BLANK** | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 32424
Typical performance - not guaranteed values

| **Winding:** 35WGM493-R001 | **Type:** 3526M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 1.5 | **Full Load Torque** | 4.47 LB-FT |
| **Volts** | | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 4.5-4.4/2.2 | **Breakdown Torque** | 19.2 LB-FT |
| **R.P.M.** | | | 1760 | **Pull-up Torque** | 9.4 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 13.4 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 18.3 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.37 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 73 | **Line-line Res. @ 25ºC** | 10.66 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 44°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 53°C |
| | | | | **Locked-rotor Power Factor** | 52 |
| | | | | **Rotor inertia** | 0.154 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 1.5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 31 | 51 | 65 | 73 | 79 | 83 | 77 |
| **Efficiency** | 75.9 | 84.5 | 86.8 | 87.1 | 86.4 | 85.4 | 86.7 |
| **Speed** | 1790.6 | 1781.1 | 1770.7 | 1760.1 | 1748.1 | 1734.9 | 1753 |
| **Line amperes** | 1.44 | 1.61 | 1.86 | 2.19 | 2.58 | 2.98 | 2.42 |

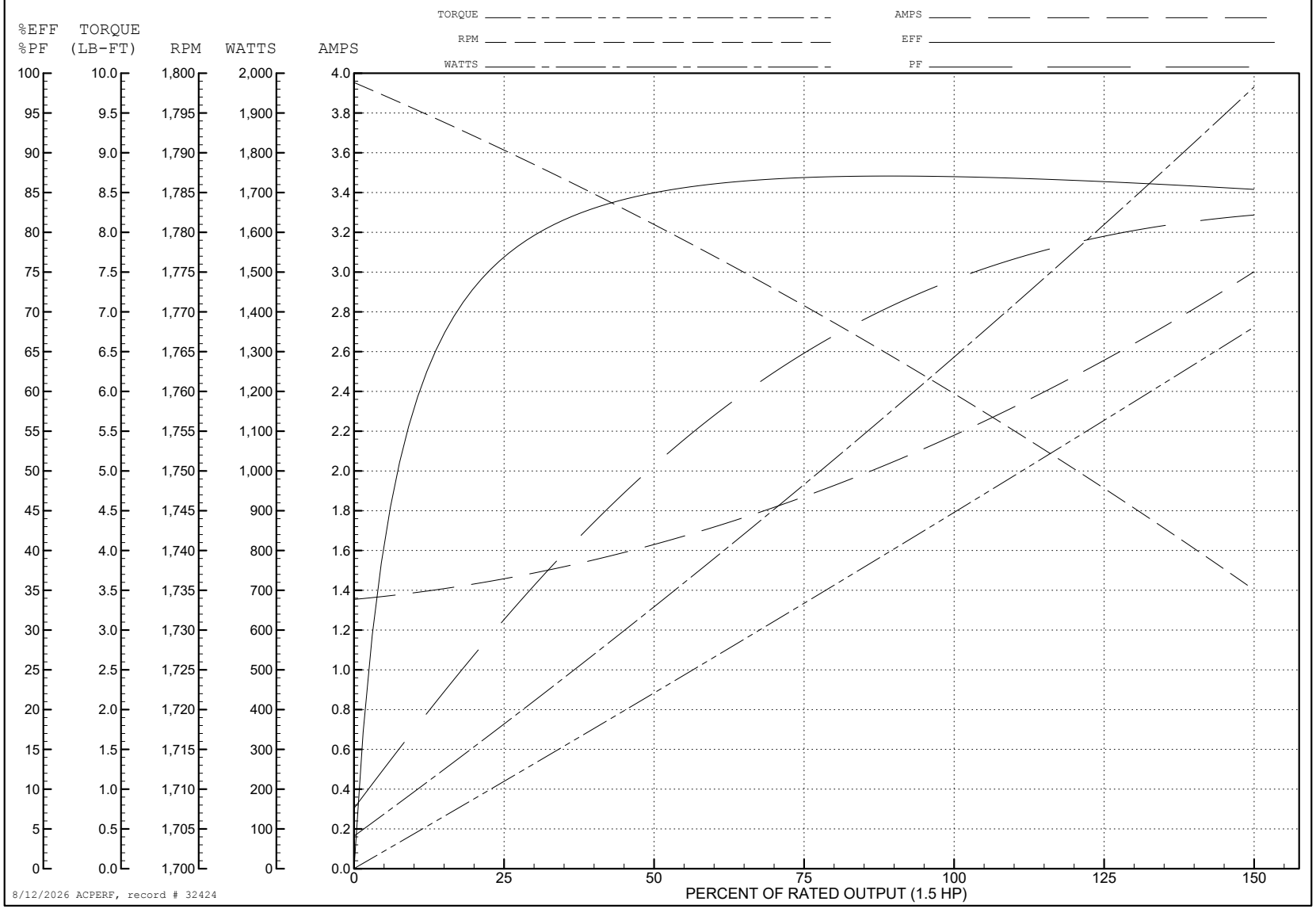
ABB Motors and Mechanical Inc.

WINDING # 35WGM493

1.5 HP 3 PH 60 HZ 1760 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=19.2 PU=9.4 LR=13.4 LRA=18.3




8/12/2026 ACPERF, record # 32424

**AC Induction Motor Performance Data**
Record # 63161
Typical performance - not guaranteed values

| **Winding:** 35WGM342-R022 | **Type:** 3516M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **400 V, 50 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | .5 | **Full Load Torque** | 1.77 LB-FT |
| **Volts** | | | 400 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 1.1 | **Breakdown Torque** | 10.32 LB-FT |
| **R.P.M.** | | | 1460 | **Pull-up Torque** | 6.73 LB-FT |
| **Hz** | 50 | **Phase** | 3 | **Locked-rotor Torque** | 8.05 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | M | **Starting Current** | 9.16 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 0.83 A |
| **NEMA Nom. Eff.** | 81.5 | **Power Factor** | 63 | **Line-line Res. @ 25ºC** | 22.2 Ω |
| **Rating - Duty** | | | 50C AMB-CONT | **Temp. Rise @ Rated Load** | 26°C |
| | | | | **Locked-rotor Power Factor** | 71.3 |
| | | | | **Rotor inertia** | 0.0946 LB-FT2 |

**Load Characteristics 400 V, 50 Hz, 0.5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 25 | 39 | 51 | 61 | 69 | 75 |
| **Efficiency** | 62.2 | 75.6 | 80 | 81.9 | 82.4 | 81.2 |
| **Speed** | 1493 | 1483 | 1472 | 1463 | 1452 | 1440 |
| **Line amperes** | 0.848 | 0.897 | 0.974 | 1.07 | 1.18 | 1.33 |

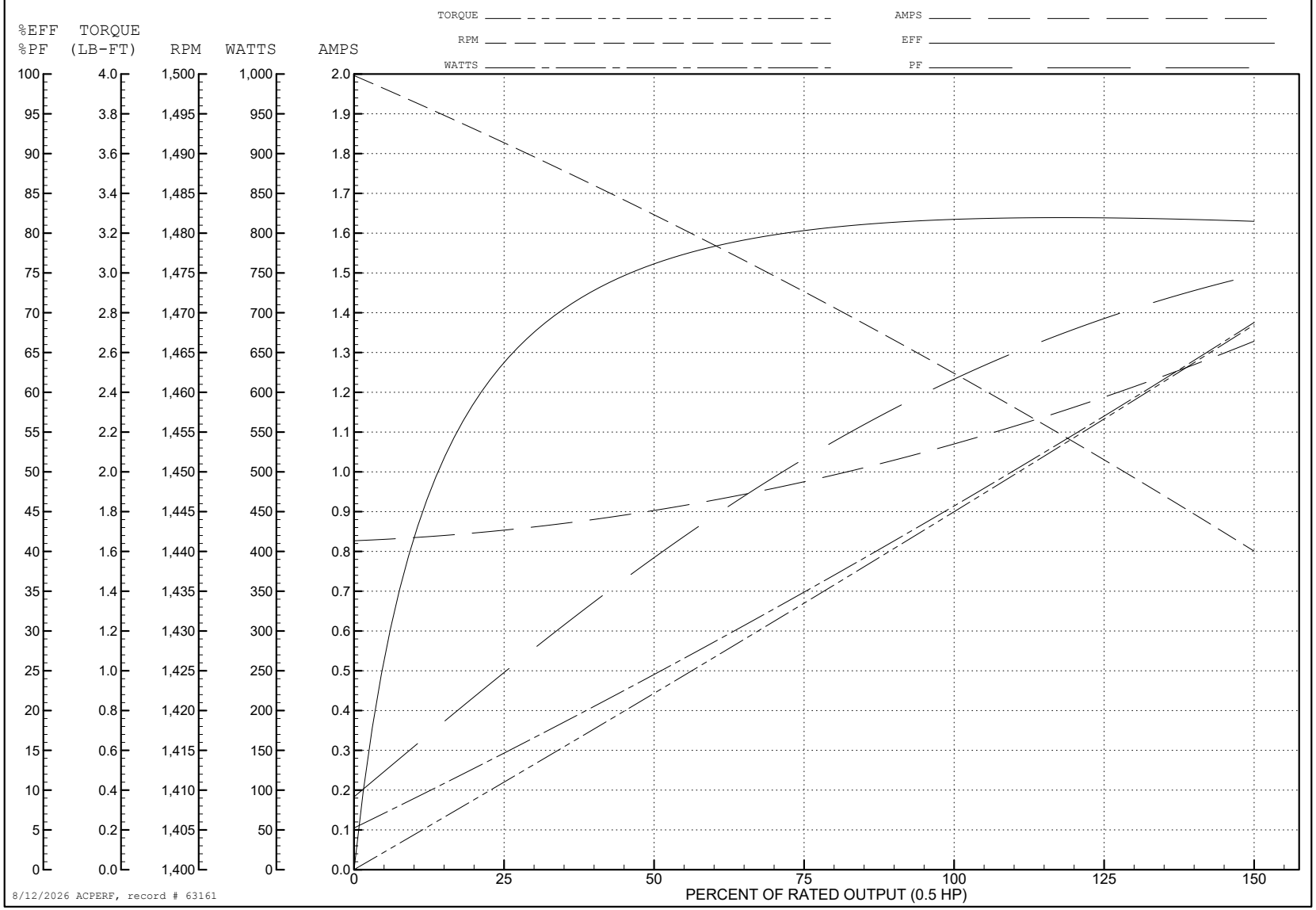
ABB Motors and Mechanical Inc.

WINDING # 35WGM342

0.5 HP 3 PH 50 HZ 1460 RPM 400 V 3516M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=10.32 PU=6.73 LR=8.05 LRA=9.16



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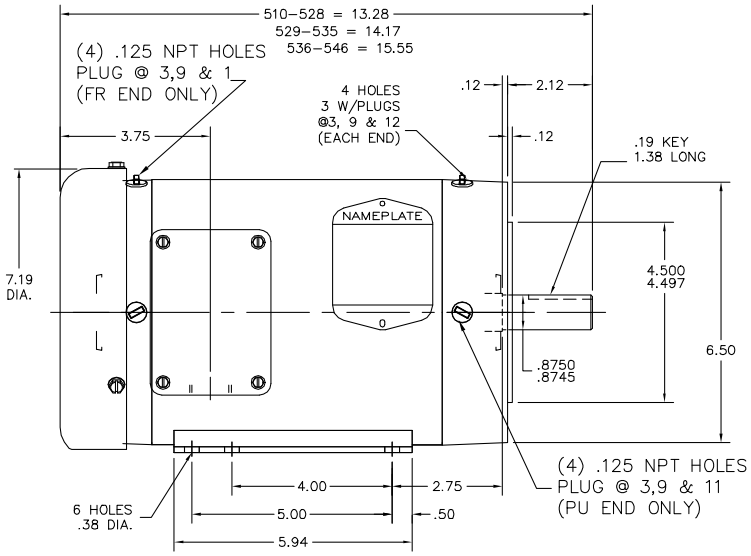
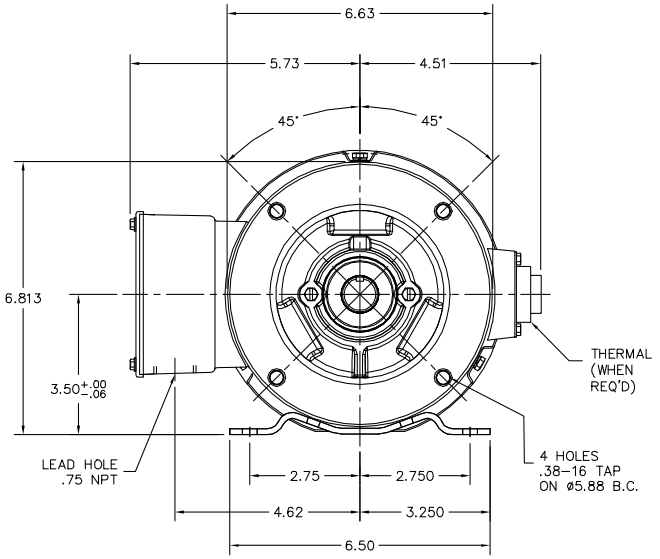
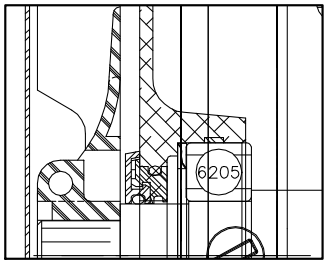
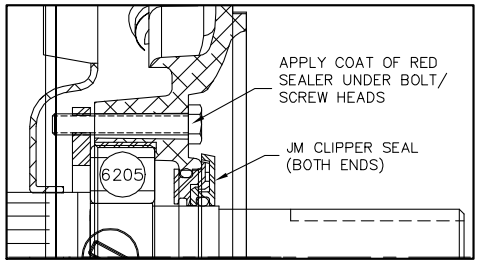



FRONT END DETAIL




PULLEY END DETAIL

35LYE1678

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

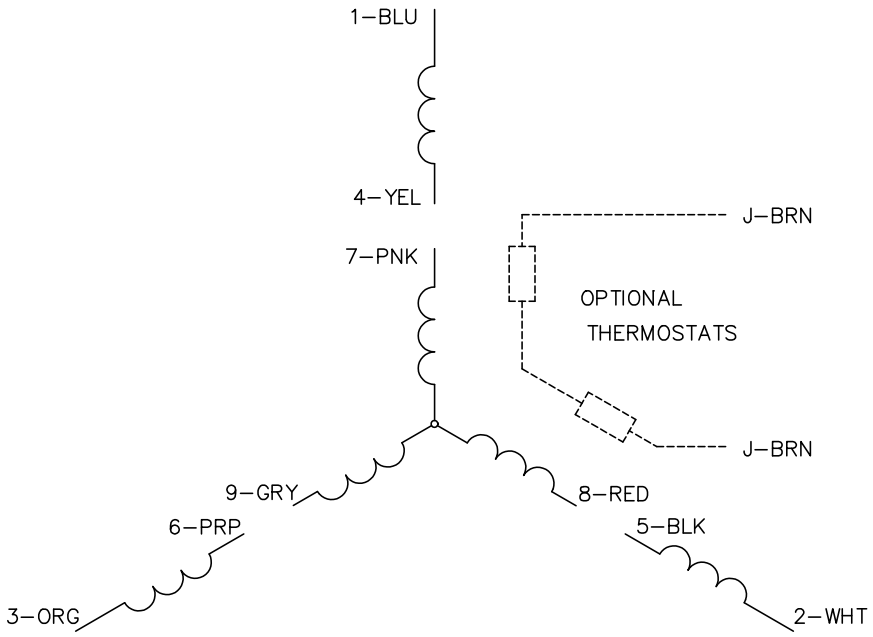
| | | |
|---|---|---|
| REV. DESC: UPDATE ENDPLATES AND NOTES | | |
| REV. LTR: A | VERSION: 01 | TDR: 000001076108 |
| FILE: \AAA\00196\418 | REVISED: 09:49:43 06/28/2018 | BY: USJOBUR22 |
| MTL: – | | |

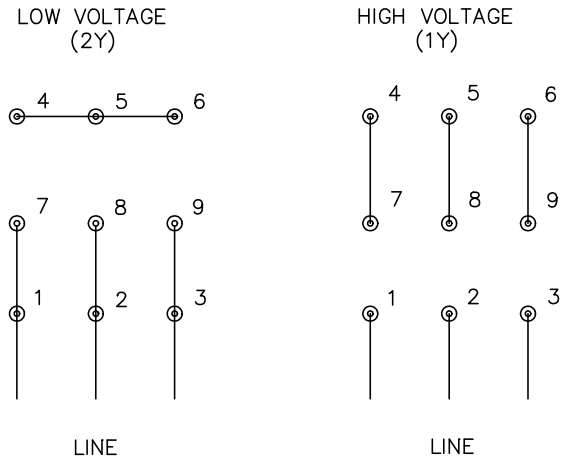
BALDOR - RELIANCE®

STD HORZ 143–5TC TEFC 35M WD6

SH 1 of 1

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 |