ABB BALDOR RELIANCE

# Customer information packet

## M3560

.5HP, 865RPM, 3PH, 60HZ, 56H, 3522M, TEFC, F1, N
Class - None
Division - Not Applicable

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11/10/2026 10:37:35 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 56H |
| **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** | .500 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 900 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| | 208.0 V @ 60 HZ |
| **Agency Approvals** | C UR US |
| **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** | 2.400 A @ 230.0 V |
| | 2.200 A @ 208.0 V |
| | 1.200 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 70.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 1.2 a |

## Part Detail

| | |
|---|---|
| **Revision** | G |
| **Type** | AC |
| **Mech. spec.** | 35H876 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGG341 |
| **Layout** | 35LYH876 |
| **Eff. date** | 01-05-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 08 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 02-23-2023 |

| | |
|---|---|
| **Insulation Class** | B |
| **Inverter Code** | Not Inverter |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3522M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 8 |
| **Overall Length** | 12.91 IN |
| **Power Factor** | 57 |
| **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** | 0.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 865 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**

| NP1256L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | M3560 | | | | | | | | |
| **SPEC.** | 35H876G341G1 | | | | | | | | |
| **HP** | .5 | | | | | | | | |
| **VOLTS** | 208-230/460 | | | | | | | | |
| **AMP** | 2.2-2.4/1.2 | | | | | | | | |
| **RPM** | 865 | | | | | | | | |
| **FRAME** | 56H | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | B | | |
| **NEMA-NOM-EFF** | 70 | **PF** | 57 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | | | | | | | | | |
| **DE** | 6205 | **ODE** | 6203 | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| | SFA 2.4-2.52/1.26 | | | | | | | | |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 35-8762 | C FACE KIT | A8 |
| 35EP1506A01SP | D-FLANGE KIT | A8 |

**AC Induction Motor Performance Data**
Record # 87785
Preliminary Data Sheet

| **Winding:** 35WGG341-R001 | **Type:** 3522M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | .5 | **Full Load Torque** | 3.08 LB-FT |
| **Volts** | | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 2.2-2.4/1.2 | **Breakdown Torque** | 10.33 LB-FT |
| **R.P.M.** | | | 865 | **Pull-up Torque** | 6.41 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 7.03 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 5.49 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 0.979 A |
| **NEMA Nom. Eff.** | 70 | **Power Factor** | 57 | **Line-line Res. @ 25ºC** | 39.9 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 52°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 58°C |
| | | | | **Locked-rotor Power Factor** | 65 |
| | | | | **Rotor inertia** | 0.159 lb-ft² |

**Load Characteristics 460 V, 60 Hz, 0.5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 25 | 37 | 47 | 56 | 64 | 69 | 61 |
| **Efficiency** | 49.7 | 63 | 68.5 | 70.9 | 70.7 | 69.7 | 70.8 |
| **Speed** | 893 | 884 | 876 | 866 | 853 | 839 | 858 |
| **Line amperes** | 0.986 | 1.02 | 1.1 | 1.19 | 1.3 | 1.46 | 1.26 |

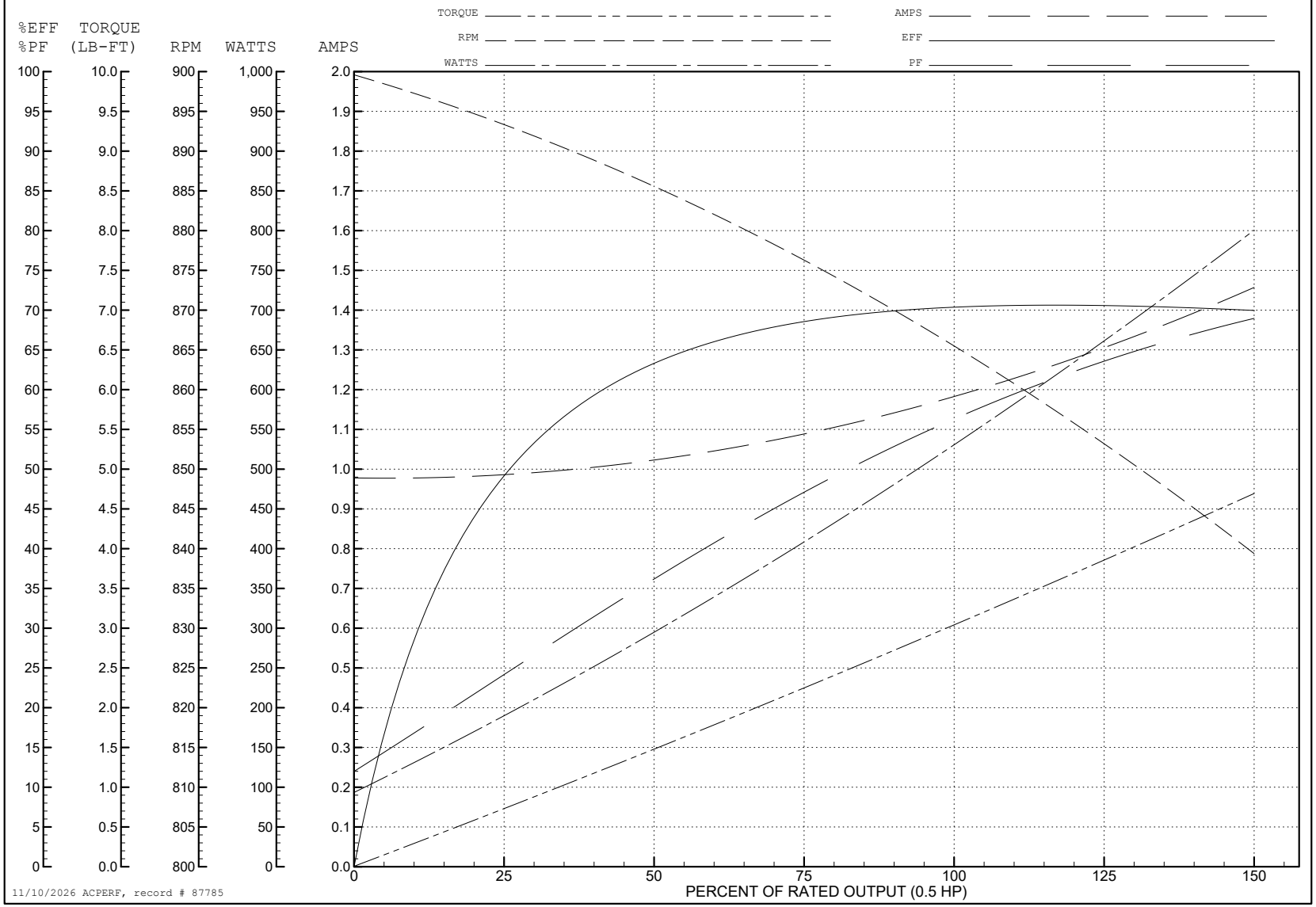
ABB Motors and Mechanical Inc.

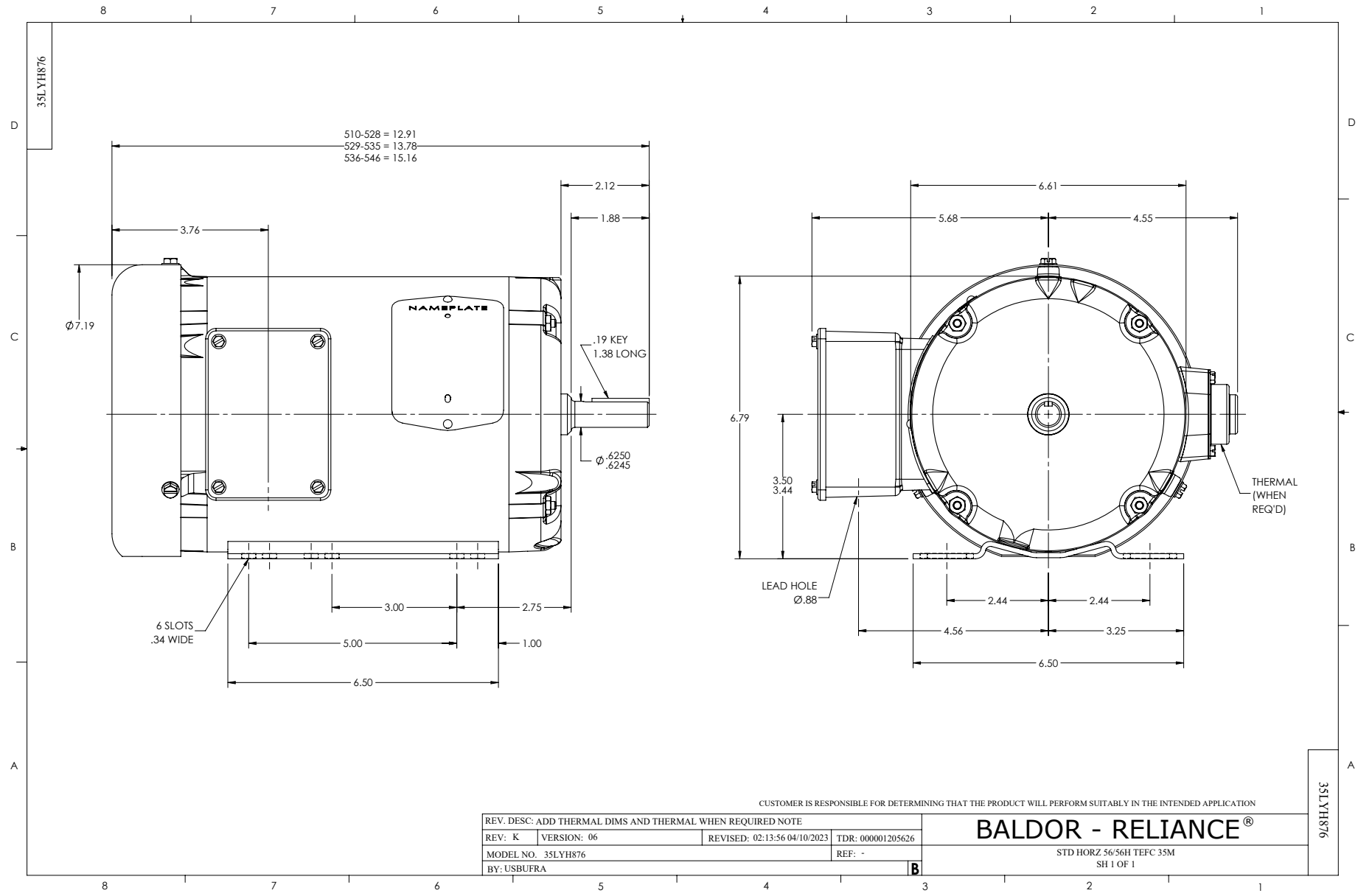
WINDING # 35WGG341

0.5 HP 3 PH 60 HZ 865 RPM 460 V 3522M

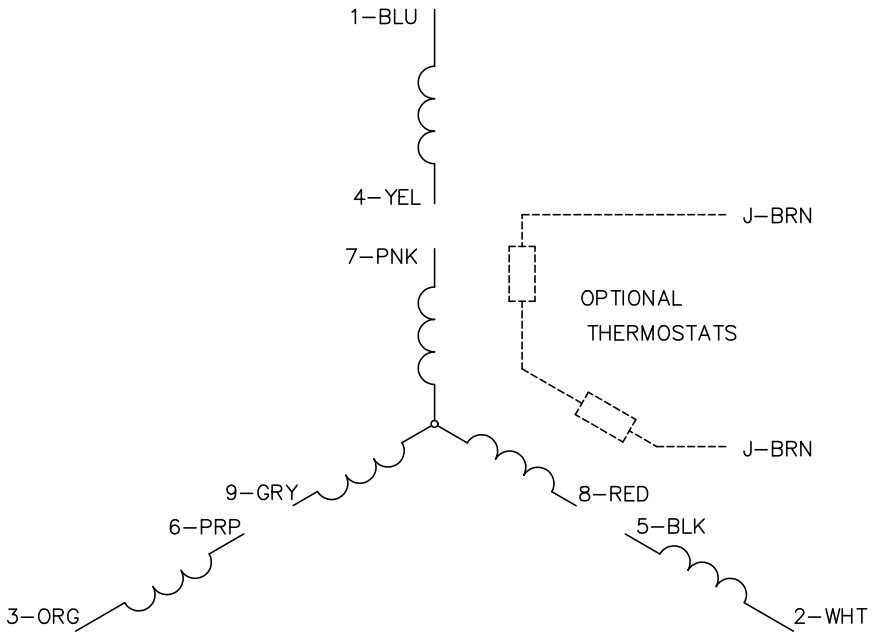
Typical performance - not guaranteed values.

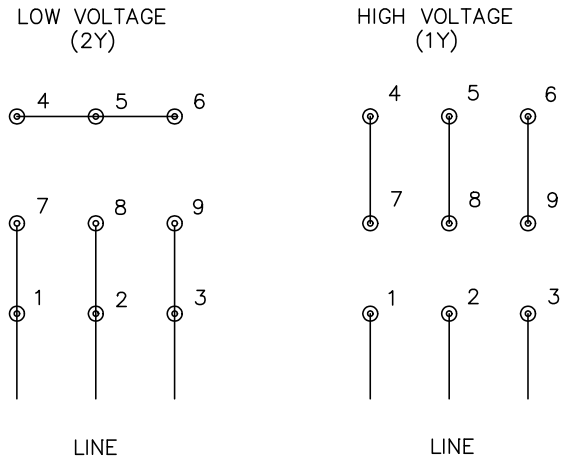
TORQUES(LB-FT): PO=10.33 PU=6.41 LR=7.03 LRA=5.49




35LYH876
510-528 = 12.91
529-535 = 13.78
536-546 = 15.16
2.12
1.88
3.76
Ø7.19
NAMEPLATE
.19 KEY
1.38 LONG
Ø .6250
.6245
6 SLOTS
.34 WIDE
3.00
2.75
5.00
1.00
6.50
6.61
5.68
4.55
6.79
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
Ø.88
2.44
2.44
4.56
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: K
VERSION: 06
REVISED: 02:13:56 04/10/2023
TDR: 000001205626
MODEL NO. 35LYH876
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H TEFC 35M
SH 1 OF 1
35LYH876

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 |