ABB BALDOR RELIANCE

# Customer information packet

## IDXM7034T

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3526M, XPFC
Class - CLI GP D; CLII GP F,G
Division - Division I


8/12/2026 12:25:26 PM

## Specifications

| | |
|---|---|
| **Enclosure** | XPFC |
| **Frame** | 145TC |
| **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** | 1.500 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| **Agency Approvals** | CSA |
| | CSA EEV |
| | UR |
| **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** | 6 |
| **Current @ Voltage** | 2.200 A @ 460.0 V |
| | 4.400 A @ 230.0 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 |
| **Front Shaft Indicator** | None |

## Part Detail

| | |
|---|---|
| **Revision** | K |
| **Type** | AC |
| **Mech. spec.** | 35N256 |
| **Base** | |
| **Status** | NLA/A |
| **Elec. spec.** | 35WGM493 |
| **Layout** | 35LYN256 |
| **Eff. date** | 02-13-2023 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 11-04-2013 |

| | |
|---|---|
| **Haz Area Temp Code** | T3C |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 2.2 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Duty |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Max Speed** | 2700 rpm |
| **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** | 15.21 IN |
| **Power Factor** | 73 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1760 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.** | 35N256M493G1 | | | **INV.TYPE** | PWM | | | | | | |
| **CAT.NO.** | IDXM7034T | | | **C HP FR** | 60 | **C HP TO** | 90 | | | | |
| **HP** | 1.5 | | | **CT HZ FROM** | 6 | | | **CT HZ TO** | 60 | | |
| **VOLTS** | 230/460 | | | **VT HZ FROM** | 6 | | | **VT HZ TO** | 60 | | |
| **AMPS** | 4.4/2.2 | | **MAG CUR** | 2.8/1.4 | | | | | | | |
| **RPM** | 1760 | | **MX RPM** | 2700 | | | | | | | |
| **HZ** | 60 | **PH** | 3 | **CL** | F | **NOM.EFF.** | 86.5 | | | | |
| **SER.F.** | 1.00 | **DES** | B | **SL HZ** | 1.3 | **WK2** | 0.154 | | | | |
| **FRAME** | 145TC | **RATING** | 40C AMB-CONT | | | | | | | | |
| | 55C RISE | | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 43879
Typical performance - not guaranteed values

| **Winding:** 35WGM493-R024 | **Type:** 3526M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 1.5 | **Full Load Torque** | 4.47 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 4.4/2.2 | **Breakdown Torque** | 19.13 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 | **No-load Current** | 1.37 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 73 | **Line-line Res. @ 25ºC** | 10.1 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 45°C |
| | | | | **Locked-rotor Power Factor** | 51.5 |
| | | | | **Rotor inertia** | 0.154 LB-FT2 |

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

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 32 | 52 | 66 | 74 | 79 | 83 |
| **Efficiency** | 72.5 | 82.2 | 85 | 85.7 | 85.4 | 84.3 |
| **Speed** | 1790 | 1781 | 1770 | 1759 | 1747 | 1734 |
| **Line amperes** | 1.45 | 1.62 | 1.88 | 2.21 | 2.61 | 3.01 |

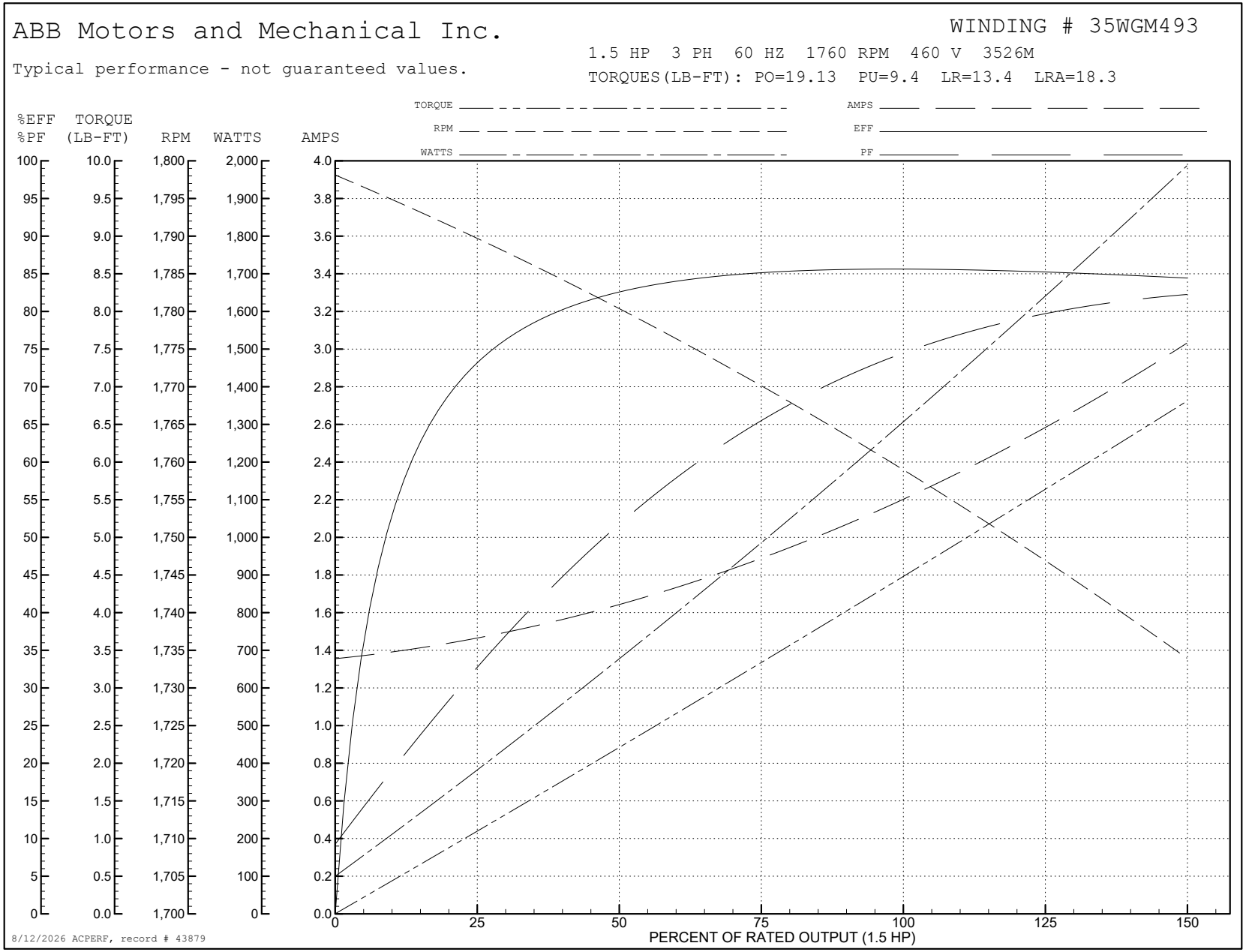
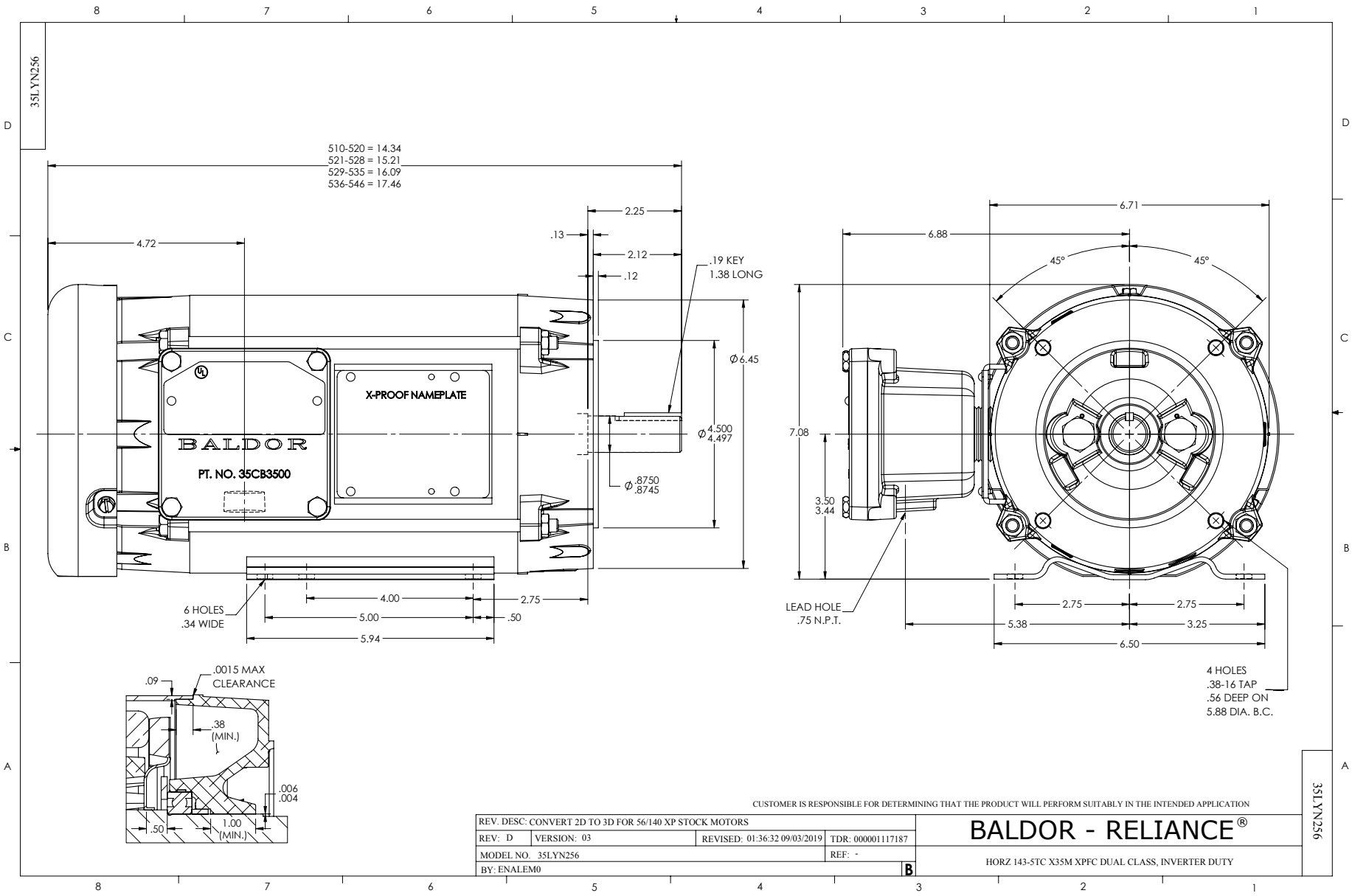
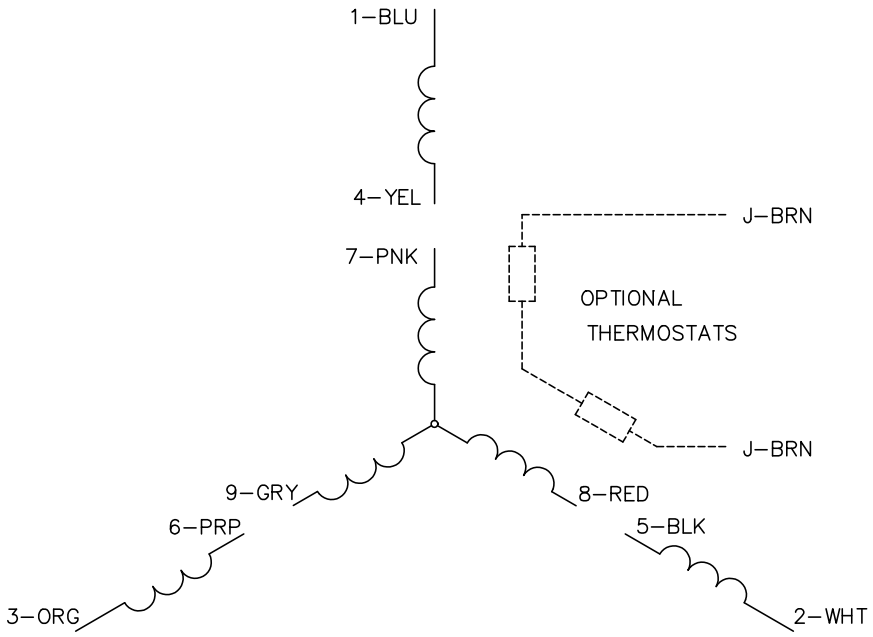
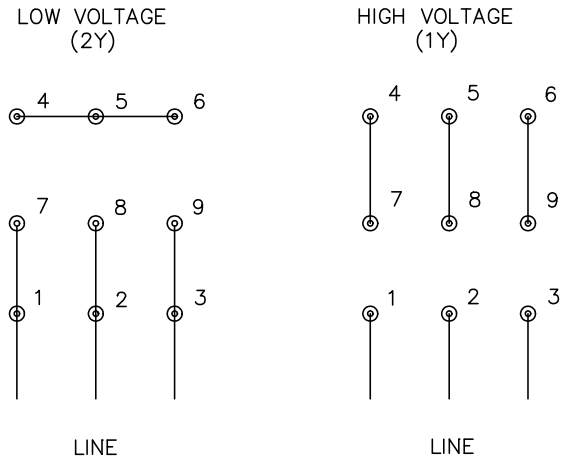


ABB Motors and Mechanical Inc.
WINDING # 35WGM493
1.5 HP 3 PH 60 HZ 1760 RPM 460 V 3526M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=19.13 PU=9.4 LR=13.4 LRA=18.3
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
8/12/2026 ACPERF, record # 43879


35LYN256
510-520 = 14.34
521-528 = 15.21
529-535 = 16.09
536-546 = 17.46
4.72
2.25
.13
2.12
.12
.19 KEY
1.38 LONG
Ø6.45
Ø4.500
4.497
Ø.8750
.8745
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
6 HOLES
.34 WIDE
4.00
5.00
5.94
2.75
.50
6.71
6.88
45°
45°
7.08
3.50
3.44
LEAD HOLE
.75 N.P.T.
2.75
2.75
5.38
3.25
6.50
4 HOLES
.38-16 TAP
.56 DEEP ON
5.88 DIA. B.C.
.09
.0015 MAX
CLEARANCE
.38
(MIN.)
.006
.004
.50
1.00
(MIN.)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT 2D TO 3D FOR 56/140 XP STOCK MOTORS
REV: D
VERSION: 03
REVISED: 01:36:32 09/03/2019
TDR: 000001117187
MODEL NO. 35LYN256
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 143-5TC X35M XPFC DUAL CLASS, INVERTER DUTY
35LYN256

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 |