BALDOR • RELIANCE

# Customer information packet

## XM25762T

54M 6P XPFC HOR 254T T'STATS INV DUTY
Class - CLI GP D; CLII GP F,G
Division - Division I


12/23/2025 1:39:51 AM

## Specifications

| | |
|---|---|
| **Enclosure** | XPFC |
| **Frame** | 254T |
| **Frame Material** | Iron |
| **Frequency** | 50.00 Hz |
| | 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** | 7.500 HP @ 60 HZ |
| | 5.000 HP @ 50 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 190.0 V @ 50 HZ |
| | 230.0 V @ 60 HZ |
| | 380.0 V @ 50 HZ |
| | 460.0 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** | 6 |
| **Current @ Voltage** | 11.000 A @ 460.0 V |
| | 19.200 A @ 190.0 V |
| | 22.000 A @ 230.0 V |
| | 23.000 A @ 208.0 V |
| | 9.600 A @ 380.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |

## Part detail

| | |
|---|---|
| **Revision** | N |
| **Type** | AC |
| **Mech. spec.** | 09E270 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 09WGT118 |
| **Layout** | 09LYE270 |
| **Eff. date** | 11-14-2023 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#12 |
| **Proprietary** | False |
| **Created date** | 03-26-2019 |

| | |
|---|---|
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 91.0 % |
| **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** | 9.6 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Duty |
| **IP Rating** | NONE |
| **KVA Code** | J |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Max Speed** | 1800 rpm |
| **Motor Lead Quantity/Wire Size** | 9 @ 12 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | X0954M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 25.50 IN |
| **Power Factor** | 70 |
| **Product Family** | Hazardous Location Motor |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | None |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS NON-COMPLIANT |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |

| | |
|---|---|
| **Speed** | 1180 rpm |
| | 985 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.** | 09E270T118G3 | | | | **INV.TYPE** | PWM | | | | | |
| **CAT.NO.** | XM25762T | | | | **C HP FR** | 60 | **C HP TO** | 90 | | | |
| **HP** | 7.5//5 | | | | **CT HZ FROM** | 6 | | | **CT HZ TO** | 60 | |
| **VOLTS** | 230/460//190/380 | | | | **VT HZ FROM** | 6 | | | **VT HZ TO** | 60 | |
| **AMPS** | 22/11//19.2/9.6 | | | **MAG CUR** | 12/6 | | | | | | |
| **RPM** | 1180//985 | | | **MX RPM** | 1800 | | | | | | |
| **HZ** | 60//50 | **PH** | 3 | **CL** | F | **NOM.EFF.** | 91 | | | | |
| **SER.F.** | 1.15 | **DES** | A | **SL HZ** | 1 | **WK2** | 4.34 | | | | |
| **FRAME** | 254T | **RATING** | 40C AMB-CONT | | | | | | | | |
| | 55C AMB @1.0SF ON VFD,60C RISE | | | | | | | | | | |
| | NEMA MG-1 PT.5,IP54 | | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 47560
Typical performance - not guaranteed values

| **Winding:** 09WGT118-R004 | **Type:** 0954M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 7.5//5 | **Full Load Torque** | 33.2 LB-FT |
| **Volts** | | | 230/460//190/380 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 22/11//19.2/9.6 | **Breakdown Torque** | 113 LB-FT |
| **R.P.M.** | | | 1180//980 | **Pull-up Torque** | 41.3 LB-FT |
| **Hz** | 60//50 | **Phase** | 3 | **Locked-rotor Torque** | 57.4 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | J | **Starting Current** | 74.8 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 6.06 A |
| **NEMA Nom. Eff.** | 91 | **Power Factor** | 70 | **Line-line Res. @ 25ºC** | 0.87037 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 36°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 42°C |

**Load Characteristics 460 V, 60 Hz, 7.5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 32 | 52 | 63 | 70 | 74 | 75 | 72 |
| **Efficiency** | 83.2 | 89.4 | 90.9 | 91.1 | 90.7 | 89.9 | 90.9 |
| **Speed** | 1196.5 | 1192.4 | 1188.3 | 1183.7 | 1178.7 | 1173.2 | 1181 |
| **Line amperes** | 6.49 | 7.59 | 9.09 | 11 | 13.1 | 15.5 | 12.3 |

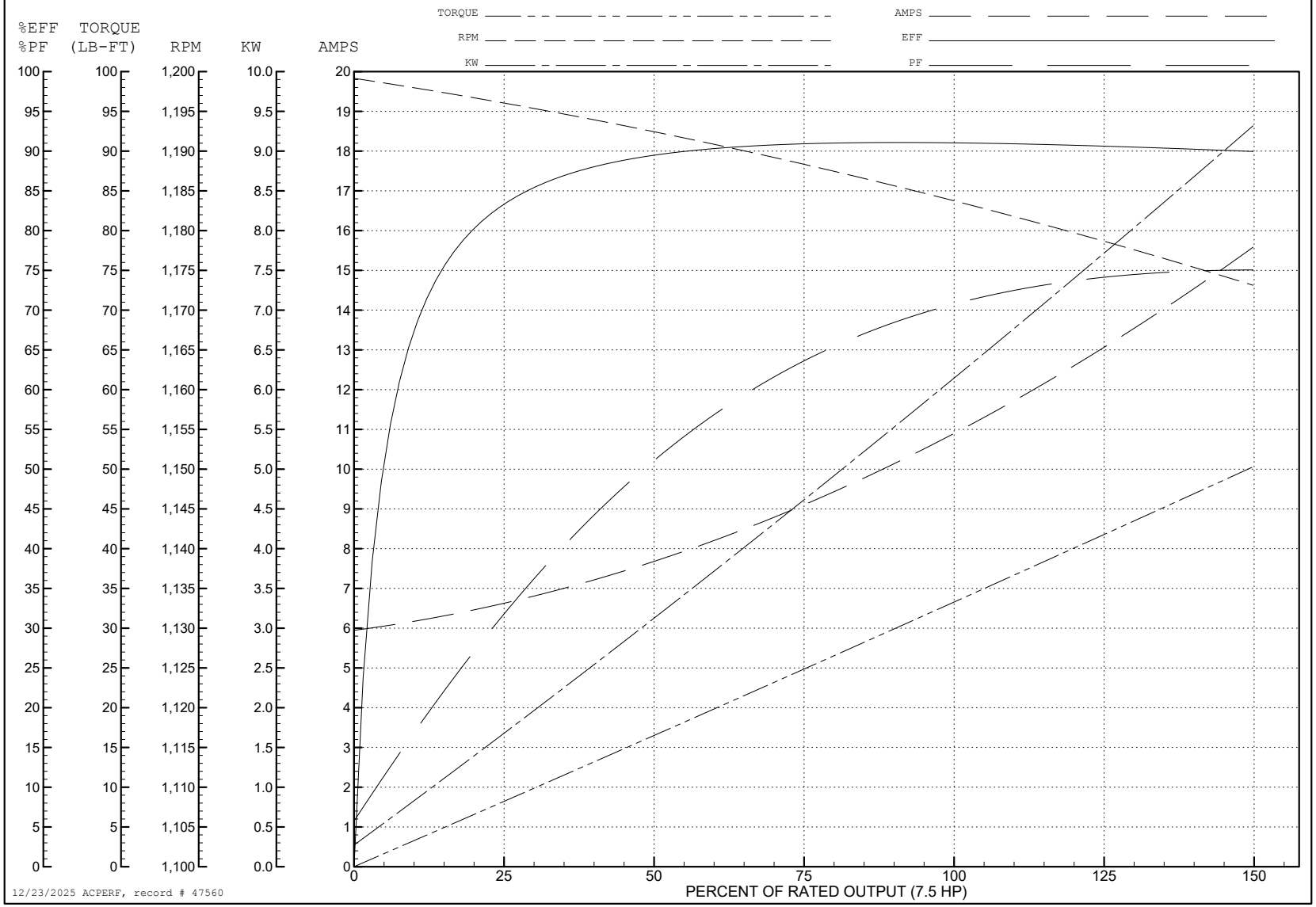
ABB Motors and Mechanical Inc.

WINDING # 09WGT118

7.5 HP 3 PH 60 HZ 1183.7 RPM 460 V 0954M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=113 PU=41.3 LR=57.4 LRA=74.8



**AC Induction Motor Performance Data**
Record # 47561
Typical performance - not guaranteed values

| **Winding:** 09WGT118-R004 | **Type:** 0954M | **Enclosure:** XPFC |
|---|---|---|

| **Nameplate Data** | | | | **380 V, 50 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 7.5//5 | **Full Load Torque** | 26.6 LB-FT |
| **Volts** | | | 230/460//190/380 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 22/11//19.2/9.6 | **Breakdown Torque** | 109 LB-FT |
| **R.P.M.** | | | 1180//980 | **Pull-up Torque** | 43.5 LB-FT |
| **Hz** | 60//50 | **Phase** | 3 | **Locked-rotor Torque** | 60.5 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | J | **Starting Current** | 73.4 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 6 A |
| **NEMA Nom. Eff.** | 91 | **Power Factor** | 70 | **Line-line Res. @ 25ºC** | 0.895 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 29°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 34°C |
| | | | | **Locked-rotor Power Factor** | 28.9 |
| | | | | **Rotor inertia** | 4.34 LB-FT2 |

**Load Characteristics 380 V, 50 Hz, 5 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 28 | 46 | 58 | 66 | 71 | 74 | 73 |
| **Efficiency** | 79.9 | 87.2 | 89.7 | 90.3 | 90.1 | 89.3 | 91.3 |
| **Speed** | 997 | 994 | 990 | 987 | 983 | 979 | 986 |
| **Line amperes** | 6.3 | 7.07 | 8.15 | 9.56 | 11.1 | 12.9 | 9.77 |

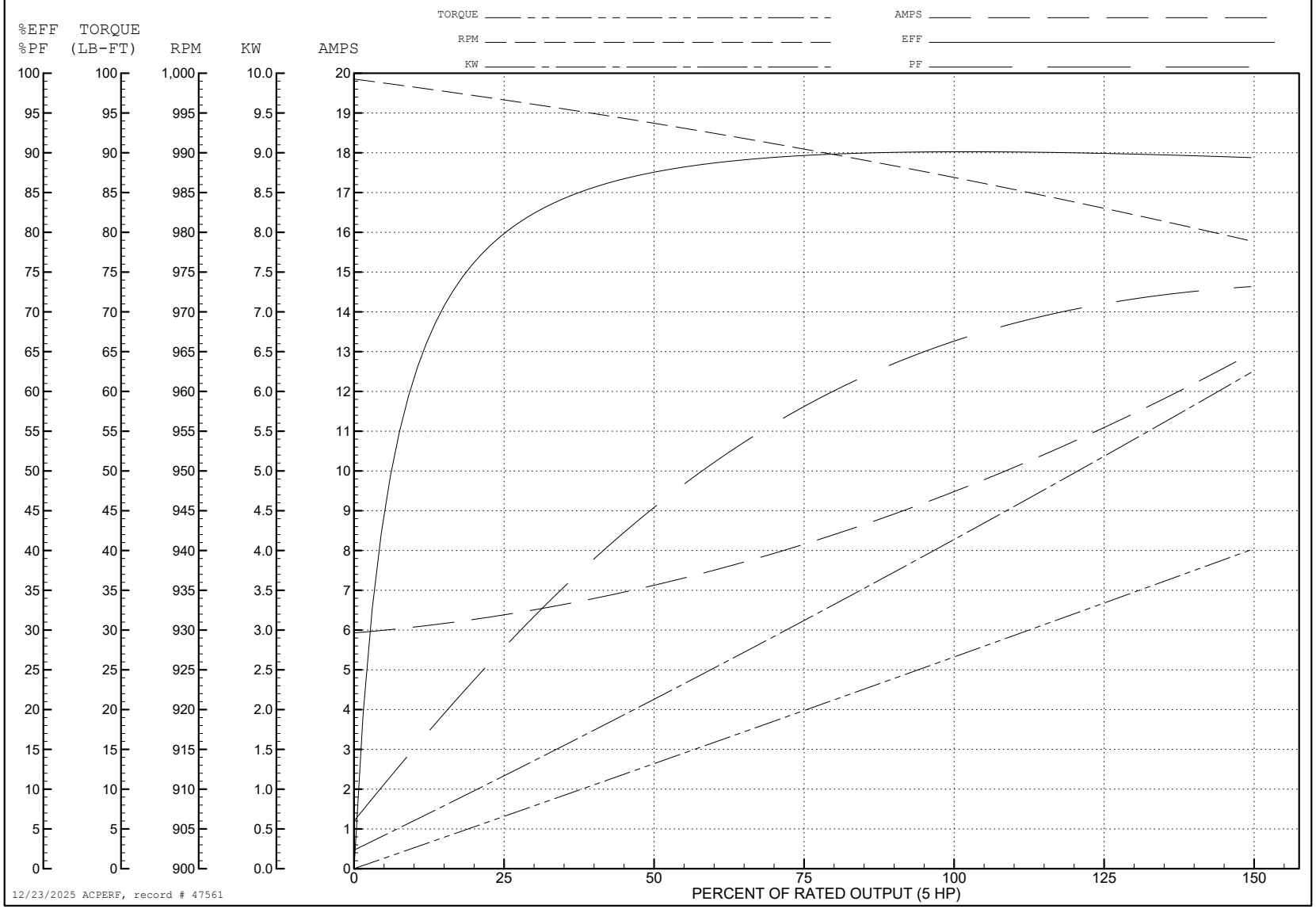
ABB Motors and Mechanical Inc.

WINDING # 09WGT118

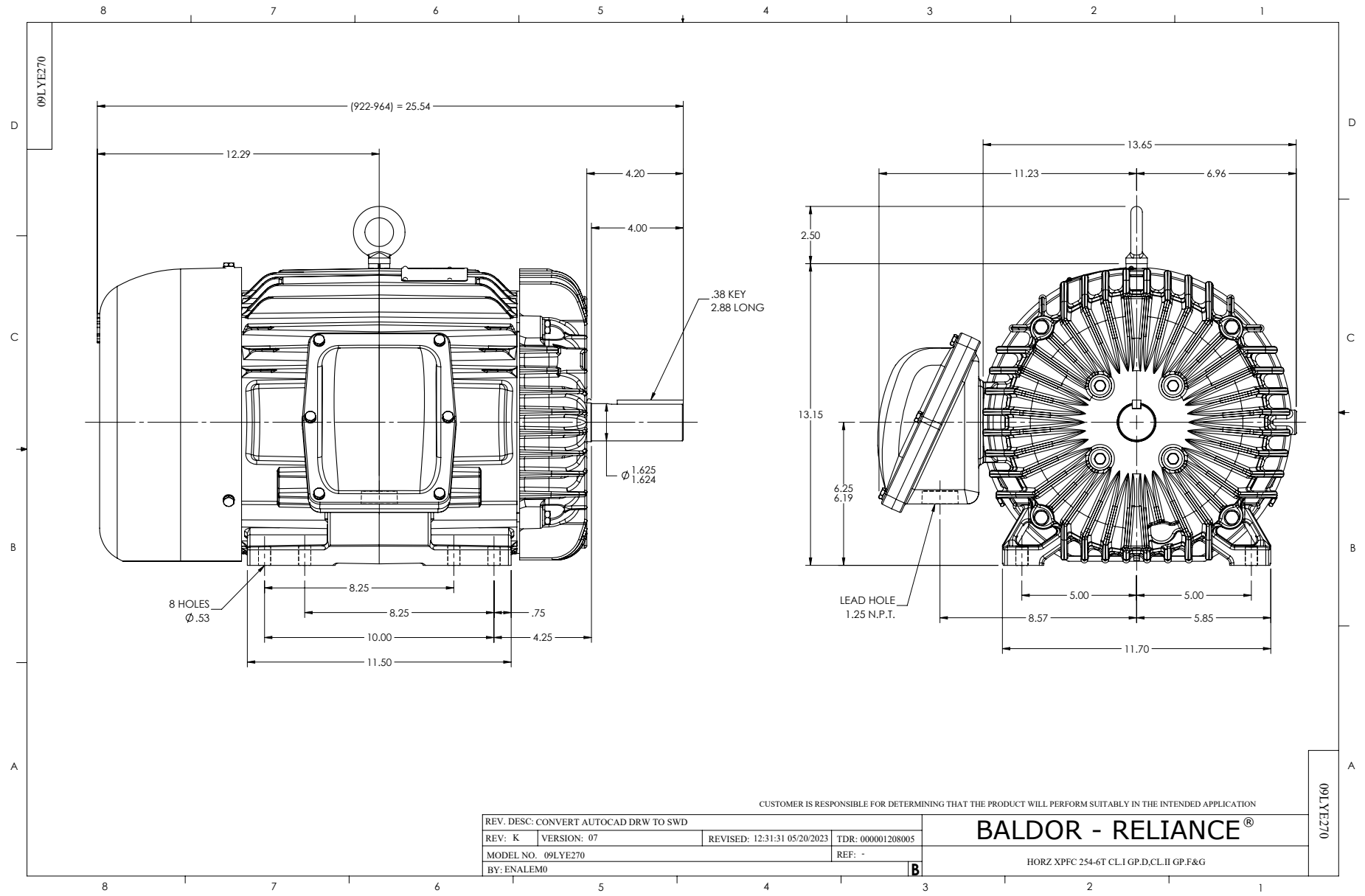
5 HP 3 PH 50 HZ 987 RPM 380 V 0954M

Typical performance - not guaranteed values.

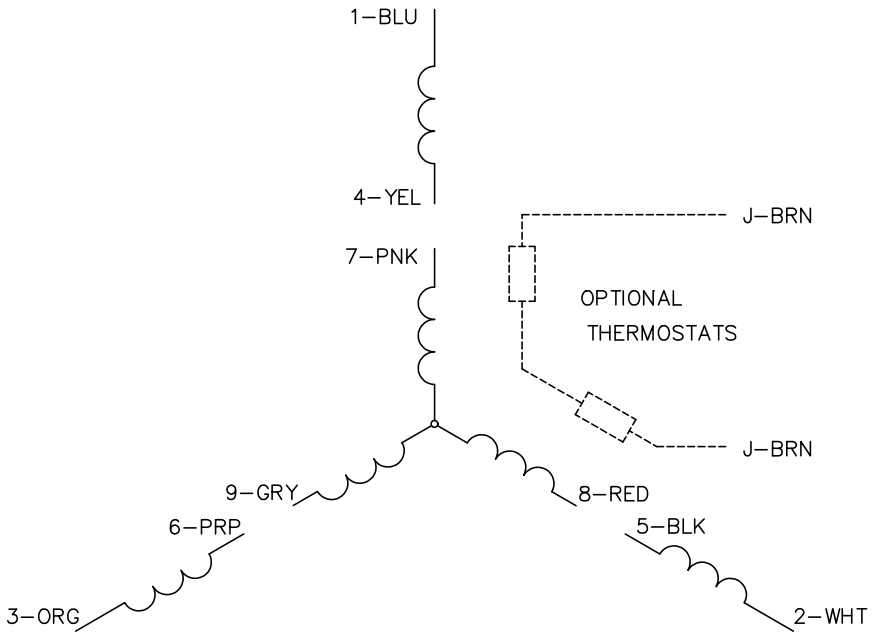
TORQUES(LB-FT): PO=109 PU=43.5 LR=60.5 LRA=73.4

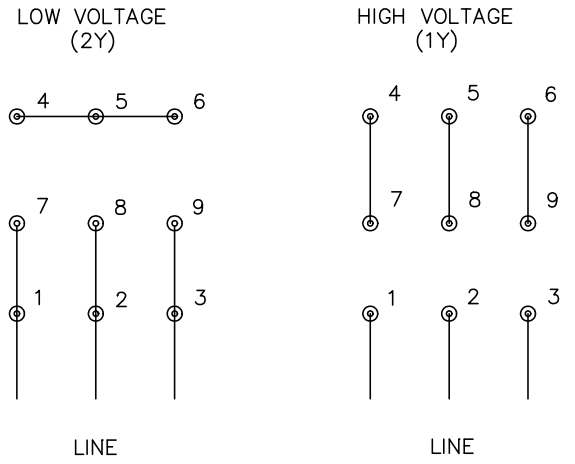



12/23/2025 ACPERF, record # 47561


09LYE270
(922-964) = 25.54
12.29
4.20
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
8 HOLES
Ø .53
8.25
8.25
.75
10.00
4.25
11.50
13.65
11.23
6.96
2.50
13.15
6.25
6.19
LEAD HOLE
1.25 N.P.T.
5.00
5.00
8.57
5.85
11.70
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD
REV: K
VERSION: 07
REVISED: 12:31:31 05/20/2023
TDR: 000001208005
MODEL NO. 09LYE270
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ XPFC 254-6T CL.I GP.D,CL.II GP.F&G
09LYE270

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 |