



---

# Customer information packet

## IDM2332T

60M 6P TEBC HOR 256TC T'STATS INV DUTY

Class - None

Division - Not Applicable

## Specifications

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| Enclosure                      | TEBC                                                           |
| Frame                          | 256TC                                                          |
| Frame Material                 | Iron                                                           |
| Frequency                      | 60.00 Hz                                                       |
| Haz Area Class and Group       | None                                                           |
| Haz Area Division              | Not Applicable                                                 |
| Motor Letter Type              | Three Phase                                                    |
| Output @ Frequency             | 10.000 HP @ 60 HZ                                              |
| Phase                          | 3                                                              |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                                               |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                             |
| Agency Approvals               | CSA<br>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                         | BLOWER                                                         |
| Current @ Voltage              | 14.200 A @ 460.0 V<br>28.400 A @ 230.0 V<br>30.000 A @ 208.0 V |
| Design Code                    | A                                                              |
| Drip Cover                     | No Drip Cover                                                  |
| Duty Rating                    | CONT                                                           |
| Efficiency @ 100% Load         | 91.0 %                                                         |
| Electrically Isolated Bearing  | Not Electrically Isolated                                      |
| Feedback Device                | NO FEEDBACK                                                    |
| Front Shaft Indicator          | None                                                           |
| Heater Indicator               | No Heater                                                      |
| High Voltage Full Load Amps    | 14.2 a                                                         |

## Part detail

|              |            |
|--------------|------------|
| Revision     | G          |
| Type         | AC         |
| Mech. spec.  | 09T110     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 09WGX826   |
| Layout       | 09LYT110   |
| Eff. date    | 08-28-2025 |
| CD Diagram   | CD0180     |
| Poles        | 06         |
| Leads        | 9#12       |
| Proprietary  | False      |
| Created date | 03-19-2019 |

|                               |                            |
|-------------------------------|----------------------------|
| Insulation Class              | H                          |
| Inverter Code                 | Inverter Duty              |
| KVA Code                      | J                          |
| Lifting Lugs                  | Standard Lifting Lugs      |
| Locked Bearing Indicator      | Locked Bearing             |
| Max Speed                     | 5000 rpm                   |
| Motor Lead Quantity/Wire Size | 9 @ 12 AWG                 |
| Motor Lead Termination        | Flying Leads               |
| Motor Standards               | NEMA                       |
| Motor Type                    | 0960M                      |
| Mounting Arrangement          | F1                         |
| Number of Poles               | 6                          |
| Overall Length                | 29.41 IN                   |
| Power Factor                  | 72                         |
| Product Family                | General Purpose            |
| Pulley End Bearing Type       | Ball                       |
| Pulley Face Code              | C-Face                     |
| Pulley Shaft Indicator        | Standard                   |
| Rodent Screen                 | None                       |
| RoHS Status                   | ROHS COMPLIANT             |
| Service Factor                | 1.00                       |
| Shaft Diameter                | 1.625 IN                   |
| Shaft Ground Indicator        | No Shaft Grounding         |
| Shaft Rotation                | Reversible                 |
| Shaft Slinger Indicator       | Shaft Slinger              |
| Speed                         | 1180 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

| NP1163L      |                      |    |     |         |       |           |  |      |  |
|--------------|----------------------|----|-----|---------|-------|-----------|--|------|--|
| CAT NO       | IDM2332T             |    |     |         |       |           |  |      |  |
| SPEC.        | 09T110X826G1         |    |     |         |       |           |  |      |  |
| FRAME        | 256TC                |    | HP  |         | 10 TE |           |  |      |  |
| VOLTS        | 230/460              |    |     |         |       |           |  |      |  |
| MAG CUR      | 14.4/7.2             |    |     | FLA     |       | 28.4/14.2 |  |      |  |
| RPM          | 1180                 |    |     | RPM MAX |       | 5000      |  |      |  |
| HZ           | 60                   |    | PH  | 3       |       | CLASS     |  | H    |  |
| SER.F.       | 1.00                 |    | DES | A       |       | SL HZ     |  | 0.95 |  |
| NEMA-NOM-EFF | 91                   |    | WK2 | 4.82    |       |           |  |      |  |
| BLWR V       |                      | PH |     | HZ      |       | A         |  |      |  |
| RATING       | 40C AMB-CONT         |    |     |         |       |           |  |      |  |
| DE BRG       | 6309                 |    |     | ODE BRG |       | 6208      |  |      |  |
| CC           | 010A                 | SN |     |         |       |           |  |      |  |
|              | 1000:1 CT, 1000:1 VT |    |     |         |       |           |  |      |  |

|            |           |                                       |      |                                                   |       |           |
|------------|-----------|---------------------------------------|------|---------------------------------------------------|-------|-----------|
| NP VOLTS   | 230/460   | MAX SAFE RPM                          | 5000 | WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C) |       |           |
| NP AMPS    | 28.4/14.2 | Base Volt                             | 460  | R1                                                | 0.357 | X1 2.070  |
| HP         | 10HP      | NL AMPS                               | 7.2  | R2                                                | 0.298 | X2 2.150  |
| BASE SPEED | 1180      | Slips (Hz)                            | 0.95 |                                                   |       | XM 33.700 |
| PHASE/HZ   | 3/60      | WK <sup>2</sup> (lb-ft <sup>2</sup> ) | 4.82 |                                                   |       |           |

Rated Full Load Data

|            | RPM  | HP   | Torque | Volts | Freq-Hz | Amps |
|------------|------|------|--------|-------|---------|------|
| Base Speed | 1181 | 10.0 | 44.4   | 460   | 60      | 14.2 |
| Max Speed  | 1771 | 10.0 | 29.6   | 460   | 90      | 13.1 |
| Min Speed  | 0    | 0.0  | 44.4   | 23.34 | 0.95    | 14.2 |

Load Performance at Base Speed

|           | RPM  | HP   | Torque | Volts | Freq-Hz | Amps |
|-----------|------|------|--------|-------|---------|------|
| No Load   | 1199 | 0.0  | 0.0    | 460   | 60      | 7.2  |
| 1/4       | 1196 | 2.5  | 11.1   | 460   | 60      | 8.0  |
| 1/2       | 1191 | 5.0  | 22.2   | 460   | 60      | 9.4  |
| 3/4       | 1186 | 7.5  | 33.3   | 460   | 60      | 11.6 |
| Full Load | 1181 | 10.0 | 44.4   | 460   | 60      | 14.2 |
| O/L       | 1159 | 20.0 | 90.4   | 460   | 60      | 27.2 |

| Blower Data | Volts | Ph/Hz | FL Amps | L/R Amps | Frame | CFM |
|-------------|-------|-------|---------|----------|-------|-----|
|             |       |       |         |          |       |     |

Remarks: Calculated Data  
Vector PWM Inverter Duty



A MEMBER OF THE ABB GROUP

DR BY  
CK BY  
APP BY  
DATE

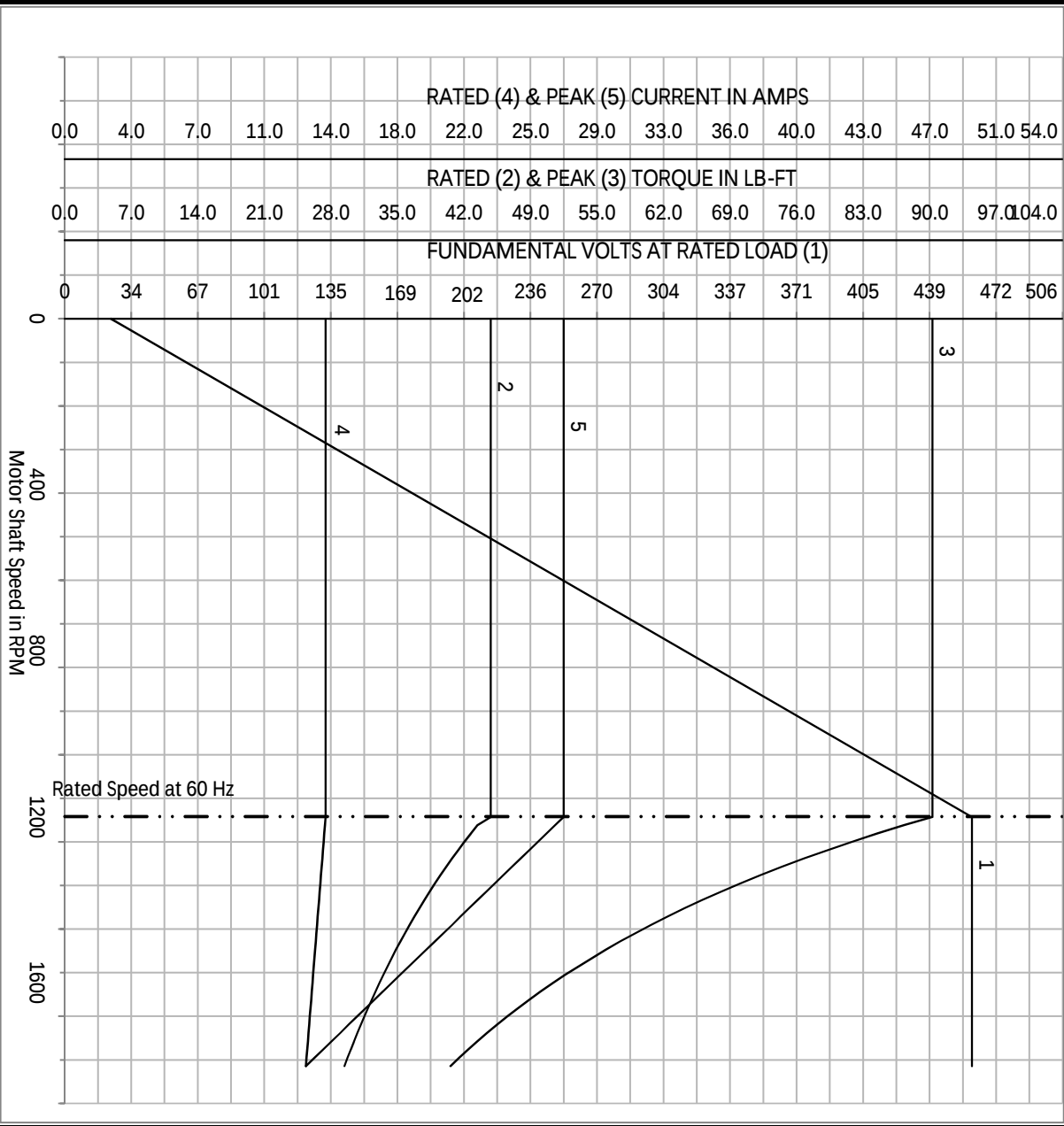
BR  
BR  
BR  
3/28/2017

A-C MOTOR  
PERFORMANCE  
CURVES

09WGx826

|            |           |              |      |                                                   |
|------------|-----------|--------------|------|---------------------------------------------------|
| NP VOLTS   | 230/460   | MAX SAFE RPM | 5000 | WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C) |
| NP AMPS    | 28.4/14.2 | Base Volt    | 460  | R1 0.357 X1 2.070                                 |
| HP         | 10HP      | NL AMPS      | 7.15 | R2 0.298 X2 2.150                                 |
| BASE SPEED | 1180      | Slips (Hz)   | 0.95 | XM 33.700                                         |
| PHASE/HZ   | 3/60      | WK2 (lb-ft2) | 4.82 |                                                   |

Vector PWM Inverter Duty  
Variable Speed AC Motor Curves



Calculated Data

Data Valid For Nameplate Speed Range only

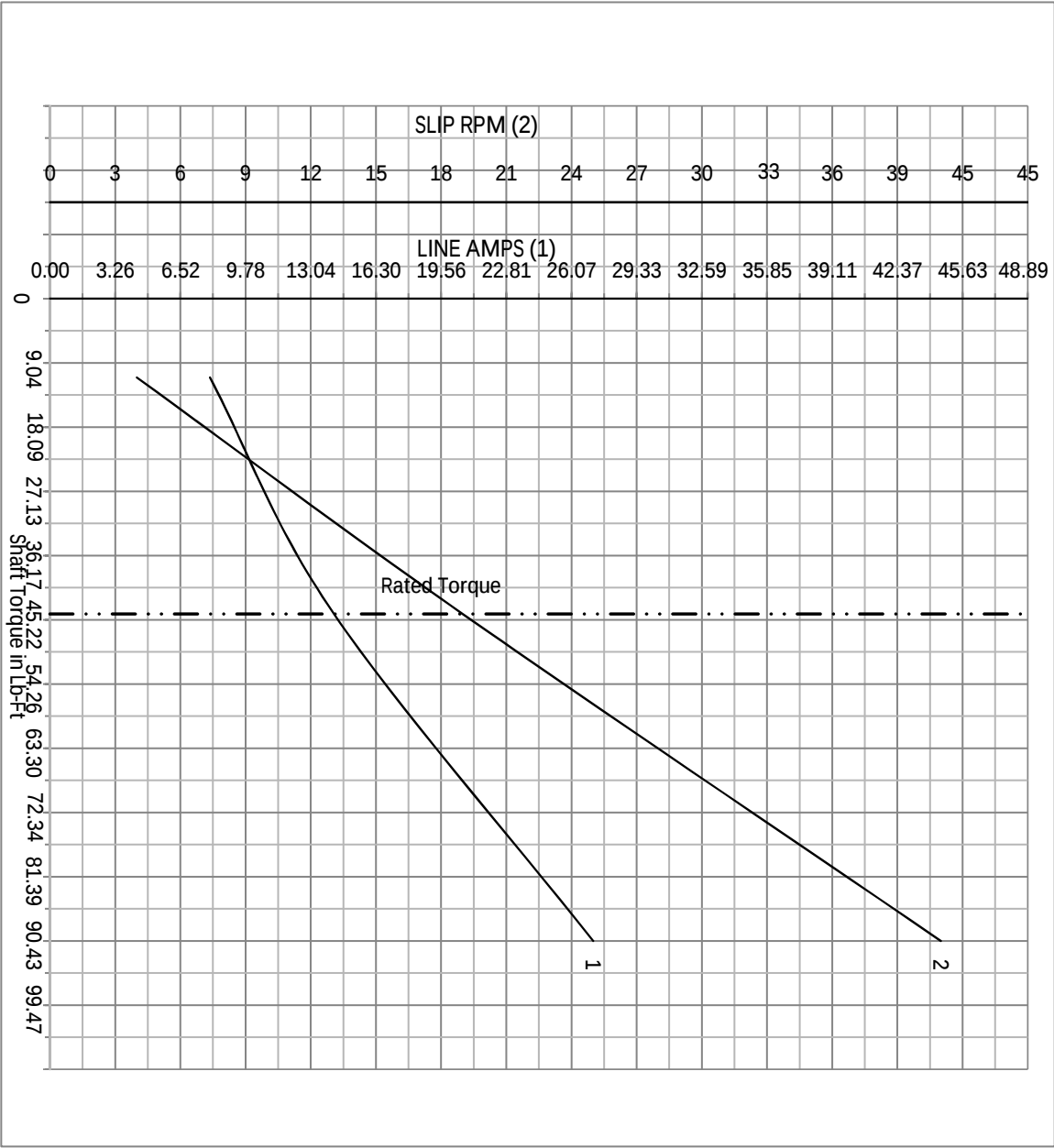


DR BY BR  
CK BY BR  
APP BY BR  
DATE 3/28/2017

A-C MOTOR **09WG X826**  
PERFORMANCE  
CURVES

|            |           |              |      |                                                   |
|------------|-----------|--------------|------|---------------------------------------------------|
| NP VOLTS   | 230/460   | MAX SAFE RPM | 5000 | WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C) |
| NP AMPS    | 28.4/14.2 | Base Volt    | 460  | R1 0.357 X1 2.070                                 |
| HP         | 10HP      | NL AMPS      | 7.15 | R2 0.298 X2 2.150                                 |
| BASE SPEED | 1180      | Slips (Hz)   | 0.95 | XM 33.700                                         |
| PHASE/HZ   | 3/60      | WK2 (lb-ft2) | 4.82 |                                                   |

Vector PWM Inverter Duty  
Variable Speed AC Motor Curves



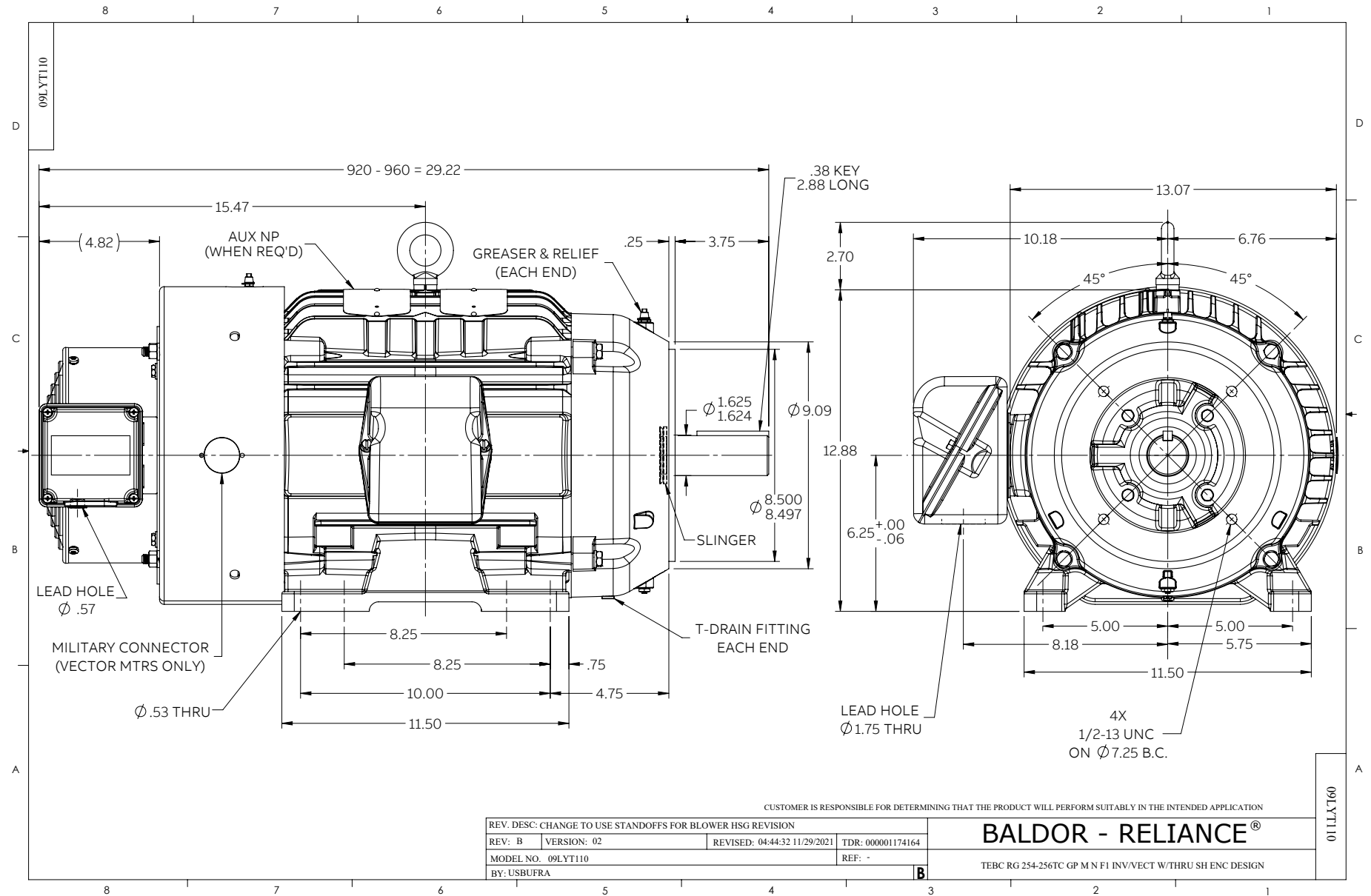
Calculated Data

Data Valid For Nameplate Speed Range only

**BALDOR**  
A MEMBER OF THE ABB GROUP

|        |           |                                    |
|--------|-----------|------------------------------------|
| DR BY  | BR        | A-C MOTOR<br>PERFORMANCE<br>CURVES |
| CK BY  |           |                                    |
| APP BY | BR        |                                    |
| DATE   | 3/28/2017 |                                    |

09WGX826



CD0180

LOW VOLTAGE  
(2D)HIGH VOLTAGE  
(1D)

## 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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1