

ABB BALDOR RELIANCE III

Customer information packet

EHM4110T

40HP, 1775RPM, 3PH, 60HZ, 324T, 1264M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

| | |
|---------------------------------------|---|
| Enclosure | TEFC |
| Frame | 324T |
| 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 | 40.000 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 |
| Current @ Voltage | 48.000 A @ 460.0 V 96.000 A @ 230.0 V 102.000 A @ 208.0 V |
| Design Code | A |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 94.1 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Face Code | Standard |
| Front Shaft Indicator | None |

Part Detail

| | |
|---------------------|------------|
| Revision | V |
| Type | AC |
| Mech. spec. | 12G122 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 12WGY225 |
| Layout | 12LYG122 |
| Eff. date | 02-17-2025 |
| CD Diagram | CD0180 |
| Poles | 04 |
| Leads | 9#8 |
| Proprietary | False |
| Created date | 12-05-2011 |

| | |
|--------------------------------------|--------------------------|
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 48.0 a |
| Insulation Class | F |
| Inverter Code | Inverter Ready |
| KVA Code | J |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 9 @ 8 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 1264M |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 30.28 IN |
| Power Factor | 82 |
| 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 | 2.125 IN |
| Shaft Extension Location | Pulley End |
| Shaft Ground Indicator | Mounting Provisions Only |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1775 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | NONE (OLD) |
| Thermal Device - Winding | None |
| Vibration Sensor Indicator | No Vibration Sensor |
| Winding Thermal 1 | None |

Winding Thermal 2

None

Nameplate

NP2138L

| | | | | | |
|---------------------|--------------|-----------------|------------|------------------|------------------|
| CAT.NO. | EHM4110T | P/N | | ENCLOSURE | TEFC |
| SPEC. | 12G122Y225G1 | CC | 010A | FRAME | 324T |
| HP | 40 | CLASS | F | HZ | 60 |
| RPM | 1775 | PH | 3 | DES | A |
| VOLT | 230/460 | KVA-CODE | J | ODE BRG | 6311 DE BRG 6312 |
| AMP | 96/48 | | | | |
| RATING | 40C AMB-CONT | GREASE | POLYREX EM | | |
| NEMA-NOM-EFF | 94.1 | PF | 82 | SER.F. | 1.15 |
| HTR-VOLTS | | HTR-AMPS | | | |

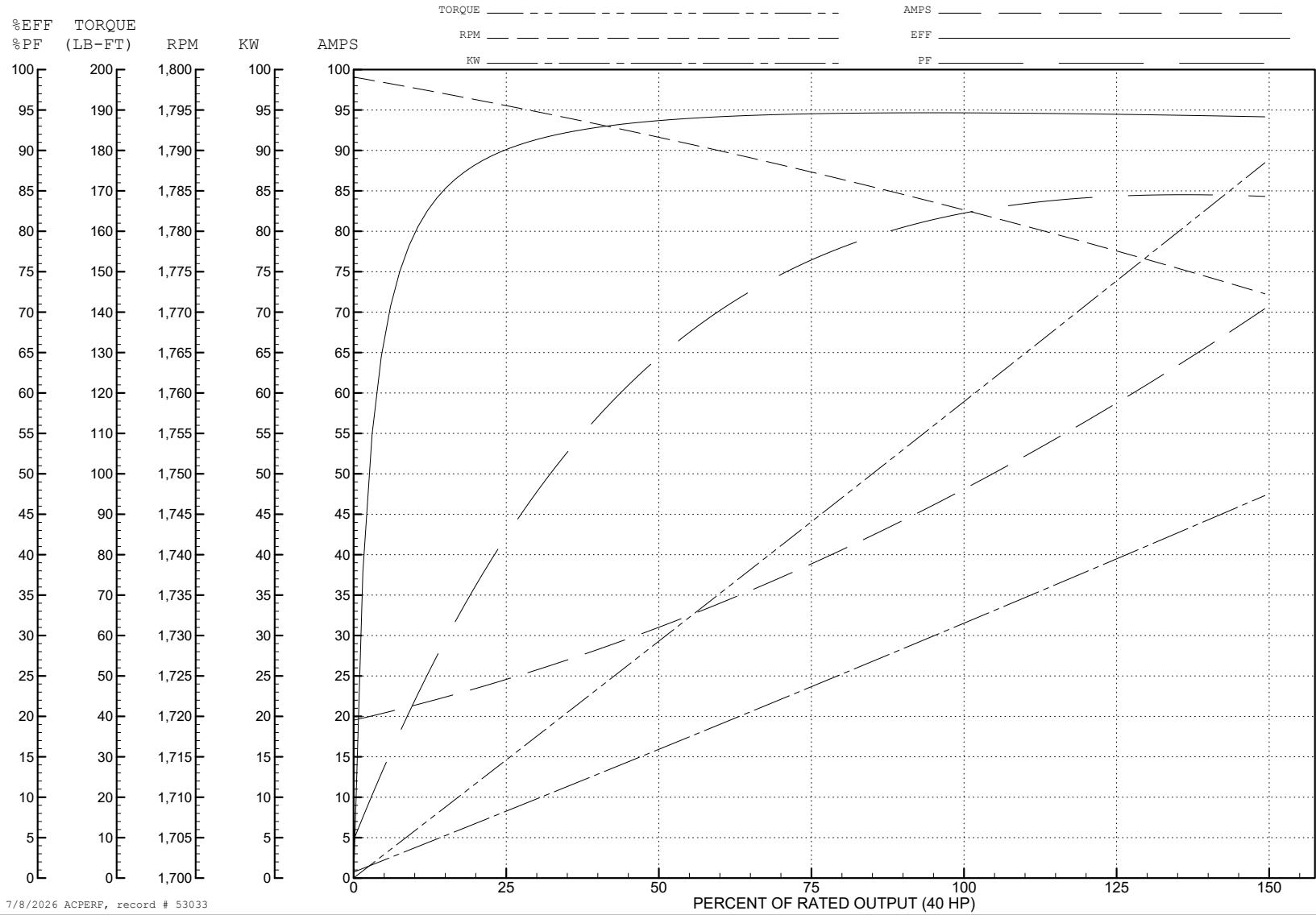
ABB Motors and Mechanical Inc.

WINDING # 12WGY225

Typical performance - not guaranteed values.

40 HP 3 PH 60 HZ 1775 RPM 460 V 1264M

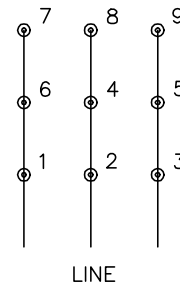
TORQUES (LB-FT): PO=413 PU=192 LR=205 LRA=370



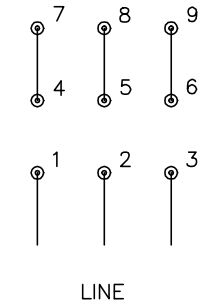
CD0180



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

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|-----------------------------------|--------------------------------|-------------------|
| 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

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