

ABB BALDOR RELIANCE III

Customer information packet

HBEM3710T

40M 4P TEFC HOR 213T

Class - None

Division - Not Applicable

Specifications

| | |
|---------------------------------------|--|
| Enclosure | TEFC |
| Frame | 213T |
| 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 | 7.500 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| 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 | 10.100 A @ 460.0 V 20.200 A @ 230.0 V |
| Design Code | A |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 91.7 % |
| Electrically Isolated Bearing | Electrically Isolated Bearings |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 10.1 a |
| Insulation Class | H |
| Inverter Code | Inverter Duty |
| KVA Code | L |

Part Detail

| | |
|---------------------|------------|
| Revision | - |
| Type | AC |
| Mech. spec. | 37T556 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 37WGV001 |
| Layout | 37LYT556 |
| Eff. date | 05-21-2026 |
| CD Diagram | CD0005 |
| Poles | 04 |
| Leads | 9#14 |
| Proprietary | False |
| Created date | 05-11-2026 |

| | |
|--------------------------------------|-----------------------|
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Quantity/Wire Size | 9 @ 14 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3740M |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 19.02 IN |
| Power Factor | 75 |
| Product Family | General Purpose |
| Pulley End Bearing Type | Sealed Bearing |
| Pulley Face Code | Standard |
| Pulley Shaft Indicator | Standard |
| Rodent Screen | None |
| Service Factor | 1.15 |
| Shaft Diameter | 1.375 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1775 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 |

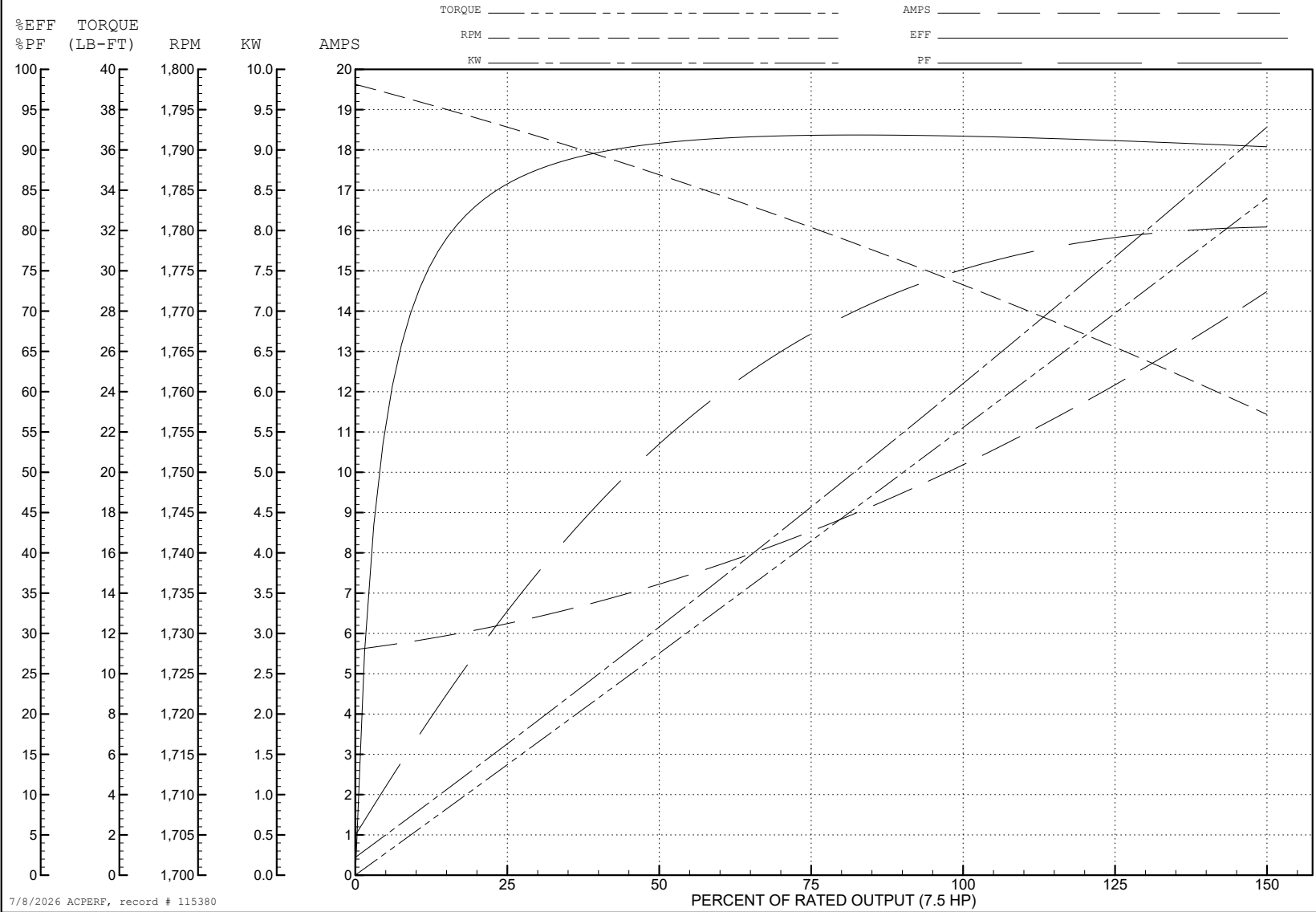
ABB Motors and Mechanical Inc.

WINDING # 37WGV001

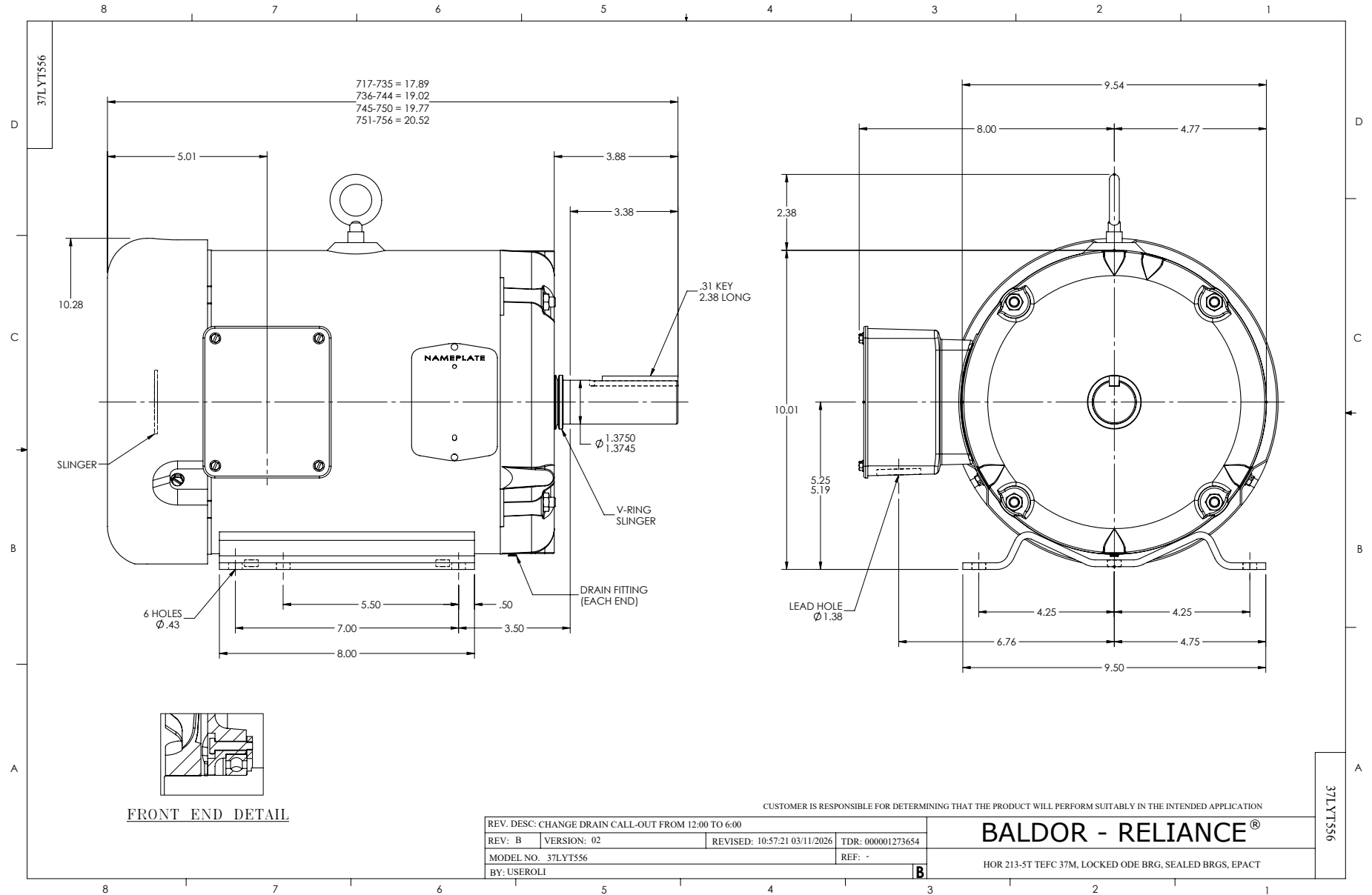
7.5 HP 3 PH 60 HZ 1775 RPM 460 V 3740M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=90.3 PU=45.7 LR=58.3 LRA=90.4



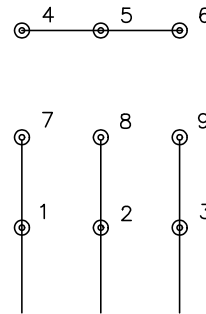
7/8/2026 ACPERF, record # 115380



CD0005

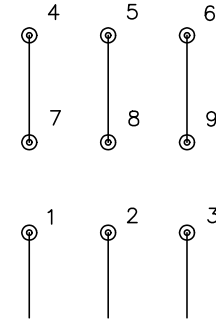


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS