

ABB BALDOR RELIANCE III

Customer information packet

GNEM3710T-G

7.5HP, 1760//1460RPM, 3PH, 60//50HZ, 213T, 37

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213T
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 50 HZ 7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 380.0 V @ 50 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ 190.0 V @ 50 HZ
Agency Approvals	CE CSA 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	9.800 A @ 460.0 V 22.800 A @ 190.0 V 20.400 A @ 208.0 V 19.600 A @ 230.0 V 11.400 A @ 380.0 V
Design Code	A

Part Detail

Revision	K
Type	AC
Mech. spec.	37J838
Base	
Status	PRD/A
Elec. spec.	37WZ616
Layout	37LYJ838
Eff. date	09-23-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	02-26-2017

Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.8 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3742M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.01 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible

Shaft Slinger Indicator	No Slinger
Speed	1460 rpm 1760 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

Nameplate

NP4304L										
CAT.NO.	GNEM3710T-G									
SPEC.	37J838Z616G1									
HP	7.5/5.5KW				PH	3				
VOLTS	208-230/460//190/380									
AMPS	20.4-19.6/9.8//22.8/11.4									
R.P.M. (1/MIN)	1760//1460				WT.	67KG	KG			
FRAME	213T	HZ	60//50		I.P.	44				
SER.F.	1.15	CODE	K	DES.	A	CLASS	H			
NOM.EFF.	91.7//89.6		% (100%)							
P.F.	77	IC411, 10:1 VT								
RATING	40C AMB-S1 CONT			CC	010A					
DE	6307	ODE	6206							
ENCL	TEFC	SN								
	IE3-50HZ 91.6(75%),91.4(50%)									
	IE3-60HZ 92.0(75%),91.0 (50%)									

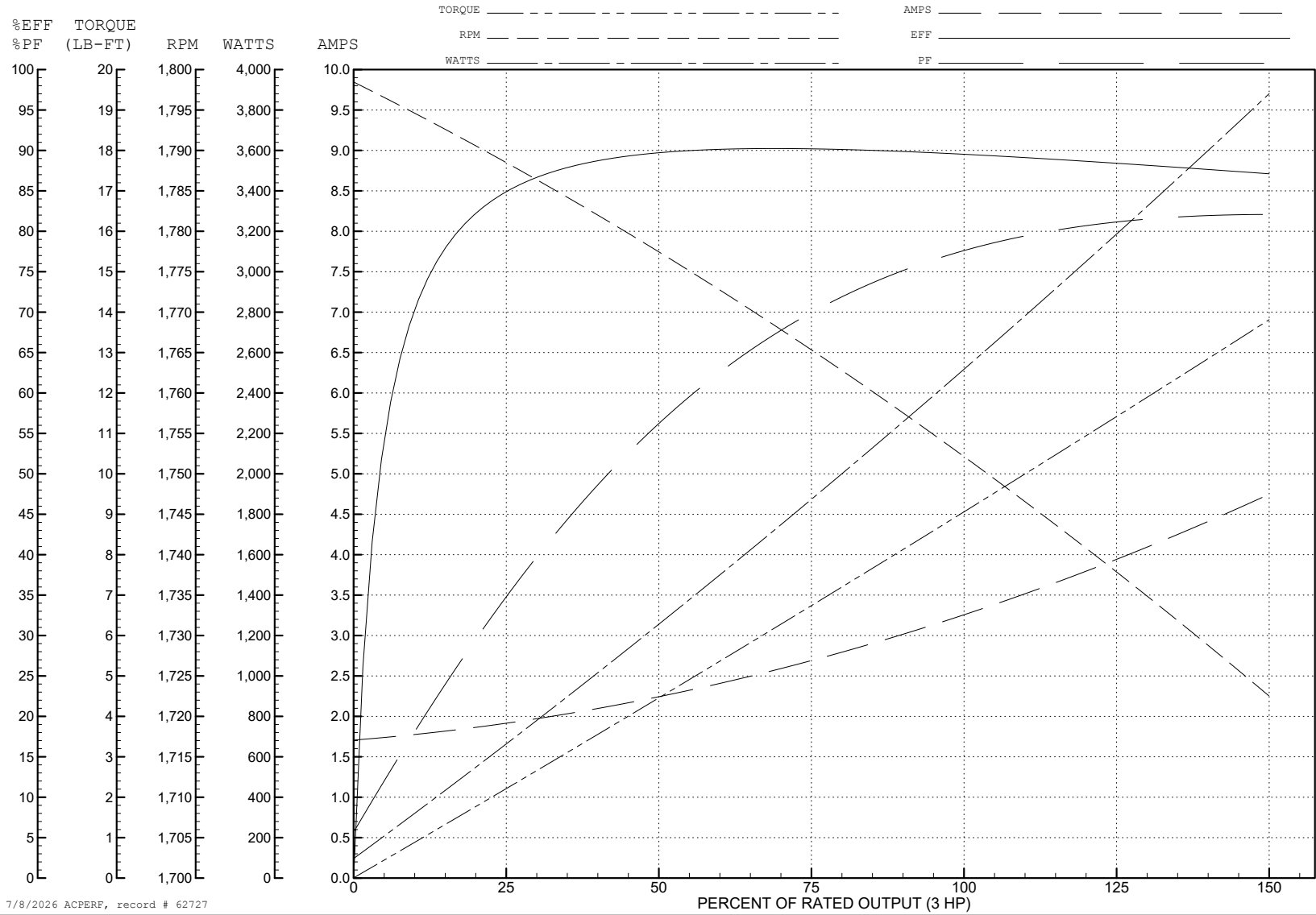
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WINDING # 06WGX319

3 HP 3 PH 60 HZ 1755 RPM 575 V 0632M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=34.7 PU=16.9 LR=21.6 LRA=24.2



7/8/2026 ACPERF, record # 62727

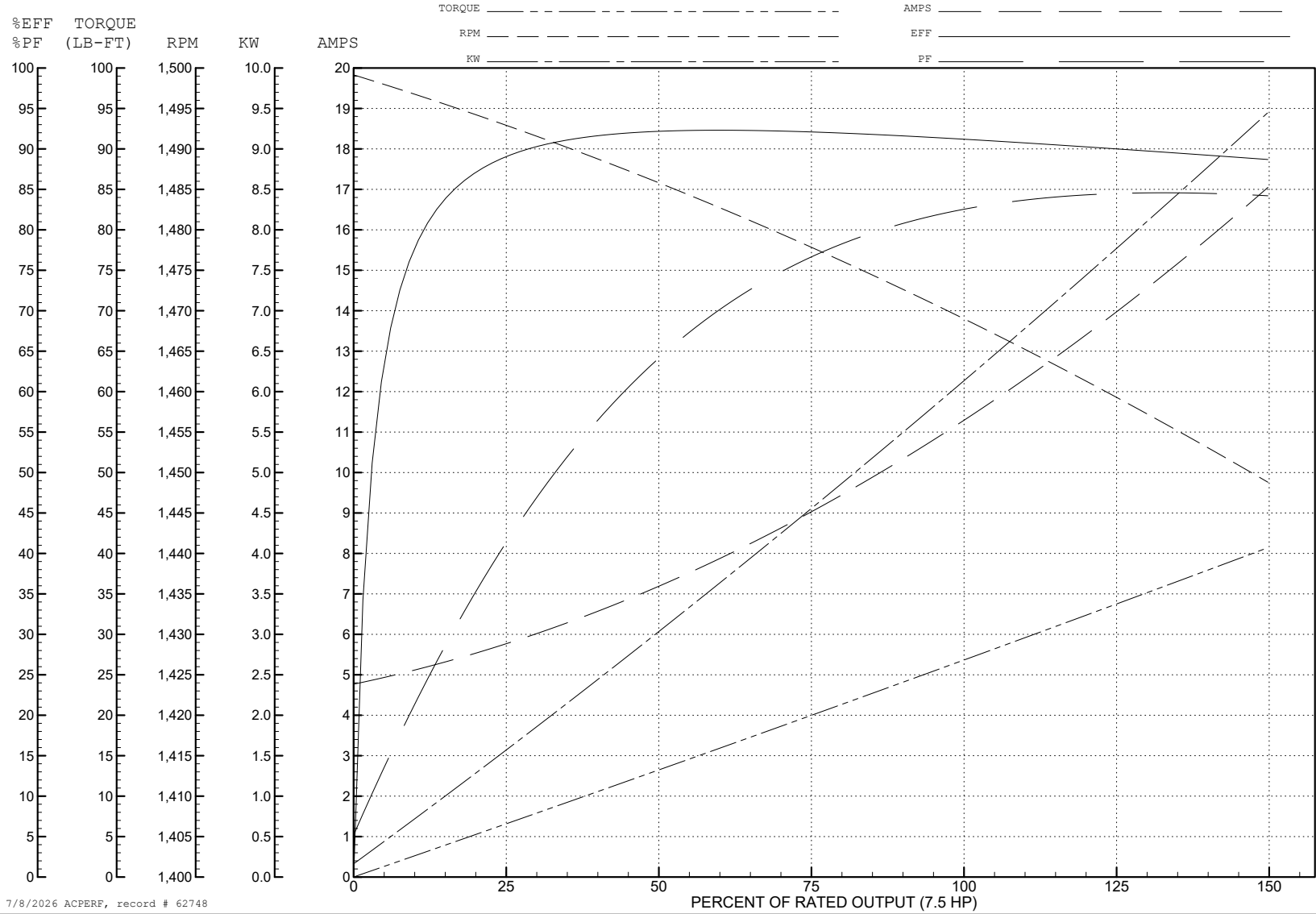
ABB Motors and Mechanical Inc.

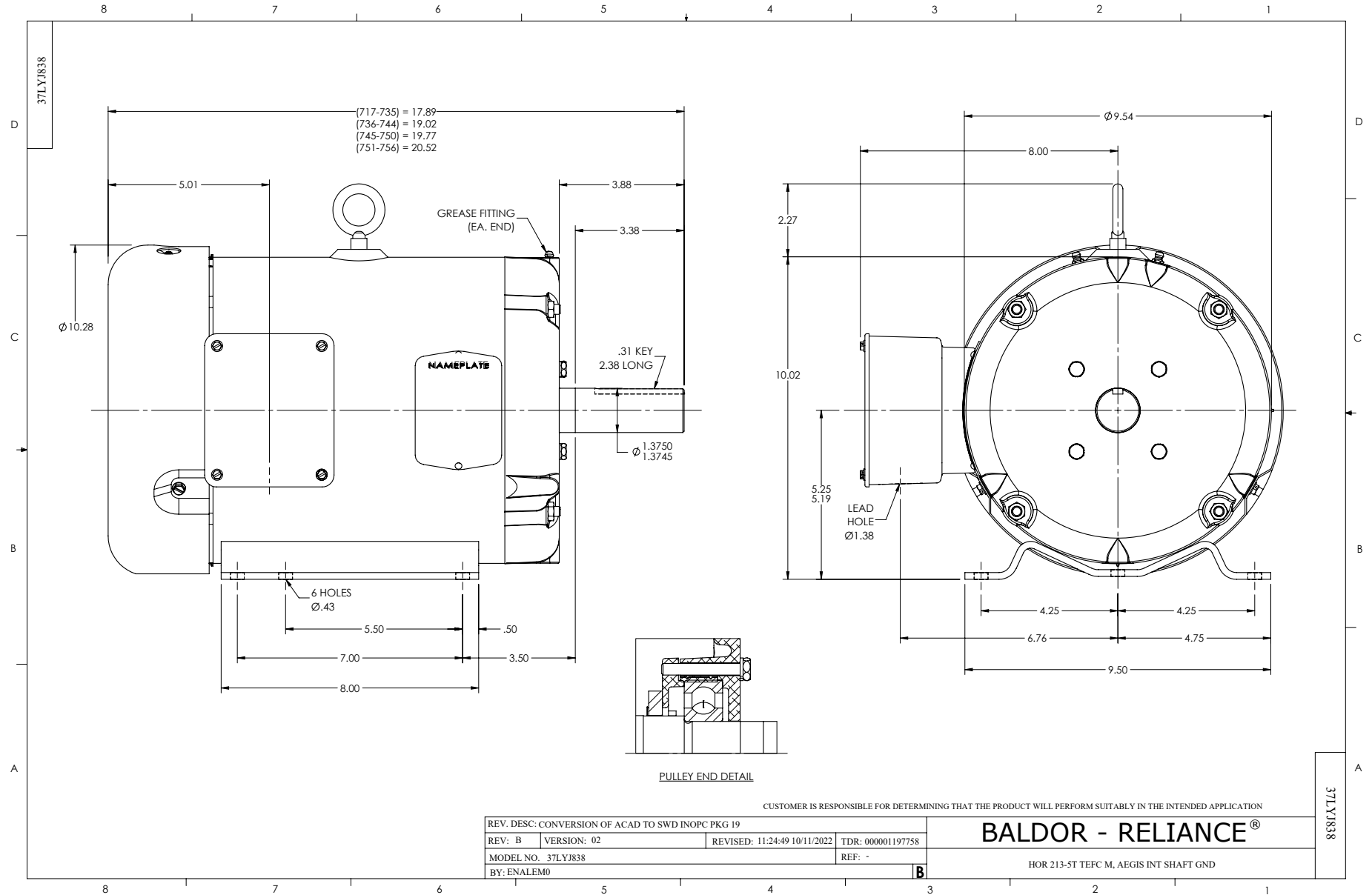
WINDING # 37WGZ616

Typical performance - not guaranteed values.

7.5 HP 3 PH 50 HZ 1469 RPM 380 V 3742M

TORQUES (LB-FT) : PO=78.35 PU=39.22 LR=51.57 LRA=79.58





CD0005

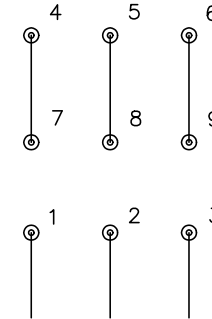


LOW VOLTAGE
(2Y)



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