

BALDOR® • RELIANCE 

Product Information Packet

EHM3313T

10HP,1770RPM,3PH,60HZ,215T,3742M,OPSB,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGL868	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37J637	Layout:	37LYJ637	Poles:	04	Created Date:	11-11-2020
Base:	RG	Eff. Date:	01-08-2021	Leads:	9#14		

Specs			
Catalog Number:	EHM3313T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	215T	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3742M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	82
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	12.500 A @ 460.0 V	Shaft Extension Location:	Pulley End

	25.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	26.400 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP2094E06B03	
CAT.NO.	EHM3313T
SPEC.	37J637L868G1
HP	10
VOLTS	230/460
AMPS	25/12.5
RPM	1770
FRAME	215T
	HZ 60
	PH 3
SER.F.	1.15
	CODE H
	DES B
	CL F
NEMA-NOM-EFF	91.7
	PF 82
RATING	40C AMB-CONT
CC	010A
	USABLE AT 208V 26.4
DE	6307
	ODE 6206
AUTO	
	MANUAL
	NONE
ENCL	OPSB
	SN
BLANK	

Parts List		
Part Number	Description	Quantity
SA387945	SA 37J637L868G1	1.000 EA
RA378285	RA 37J637L868G1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
37EP3203D00	MASTER,ODE,206 BRG,GREASER,RELIEF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3204A00	MASTER,DE,307 BRG,GREASER,RELIEF,AEGIS H	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 EA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 85454

Preliminary Data Sheet

Winding: 37WGL868-RXXX		Type: 3742M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	29.8 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	25.0/12.5	Breakdown Torque	101 LB-FT		
R.P.M.	1770	Pull-up Torque	44.9 LB-FT		
Hz	60 Phase	Locked-rotor Torque	56 LB-FT		
NEMA Design Code	B KVA Code	Starting Current	88.6 A		
Service Factor (S.F.)	1.15	No-load Current	5.31 A		
NEMA Nom. Eff.	91.7 Power Factor	Line-line Res. @ 25°C	1.18 Ω		
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	35°C		
S.F. Amps	28.0/14.0	Temp. Rise @ S.F. Load	44°C		
		Locked-rotor Power Factor	42.6		
		Rotor inertia	1.03 lb-ft ²		

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	77	82	84	85	84
Efficiency	86.7	91.3	92.1	91.7	90.9	89.6	91.1
Speed	1792	1785	1777	1769	1760	1750	1762
Line amperes	6.04	7.69	9.84	12.4	15.3	18.4	14.1

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values

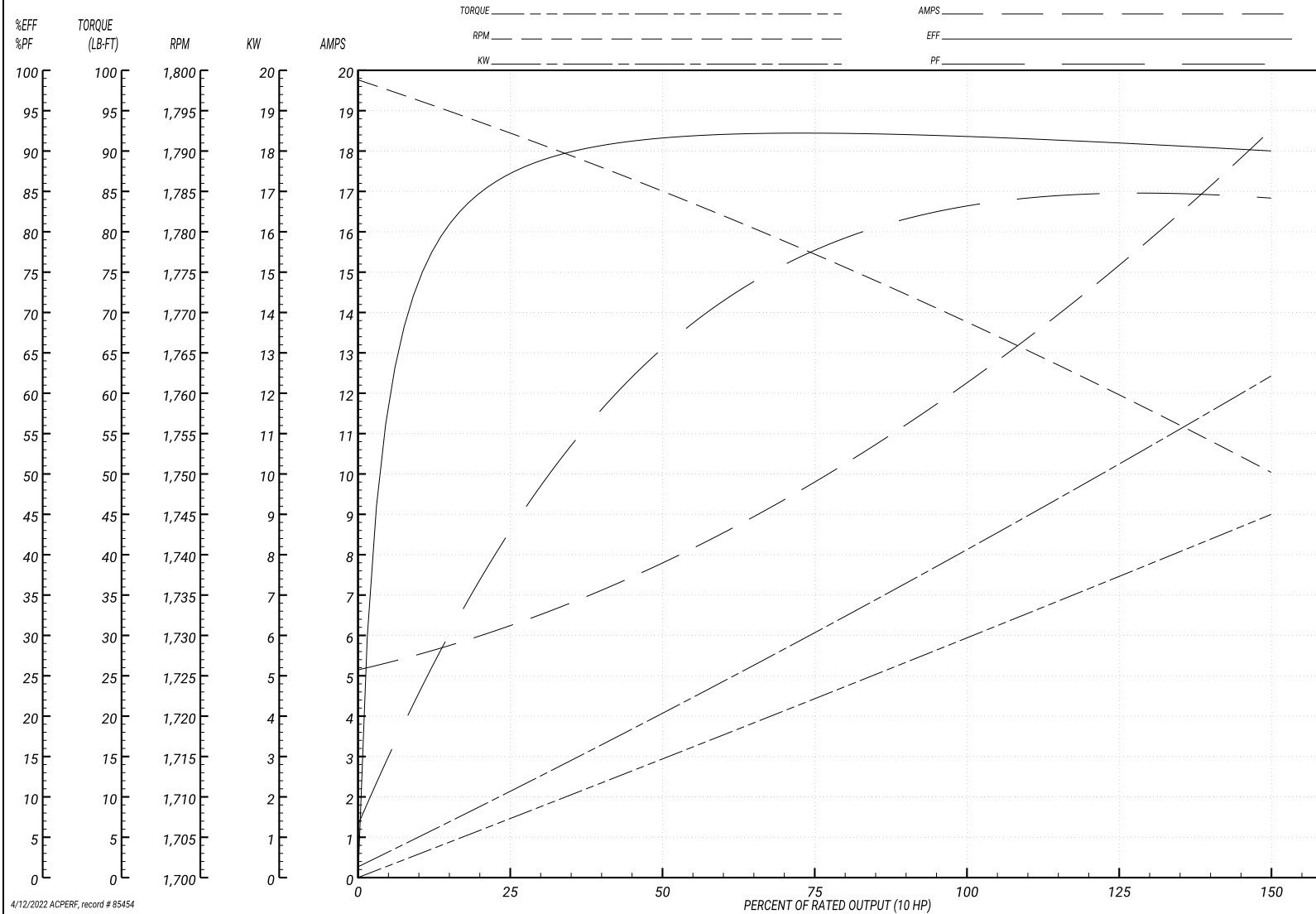
BALDOR ELECTRIC COMPANY

WINDING # 37WGL868

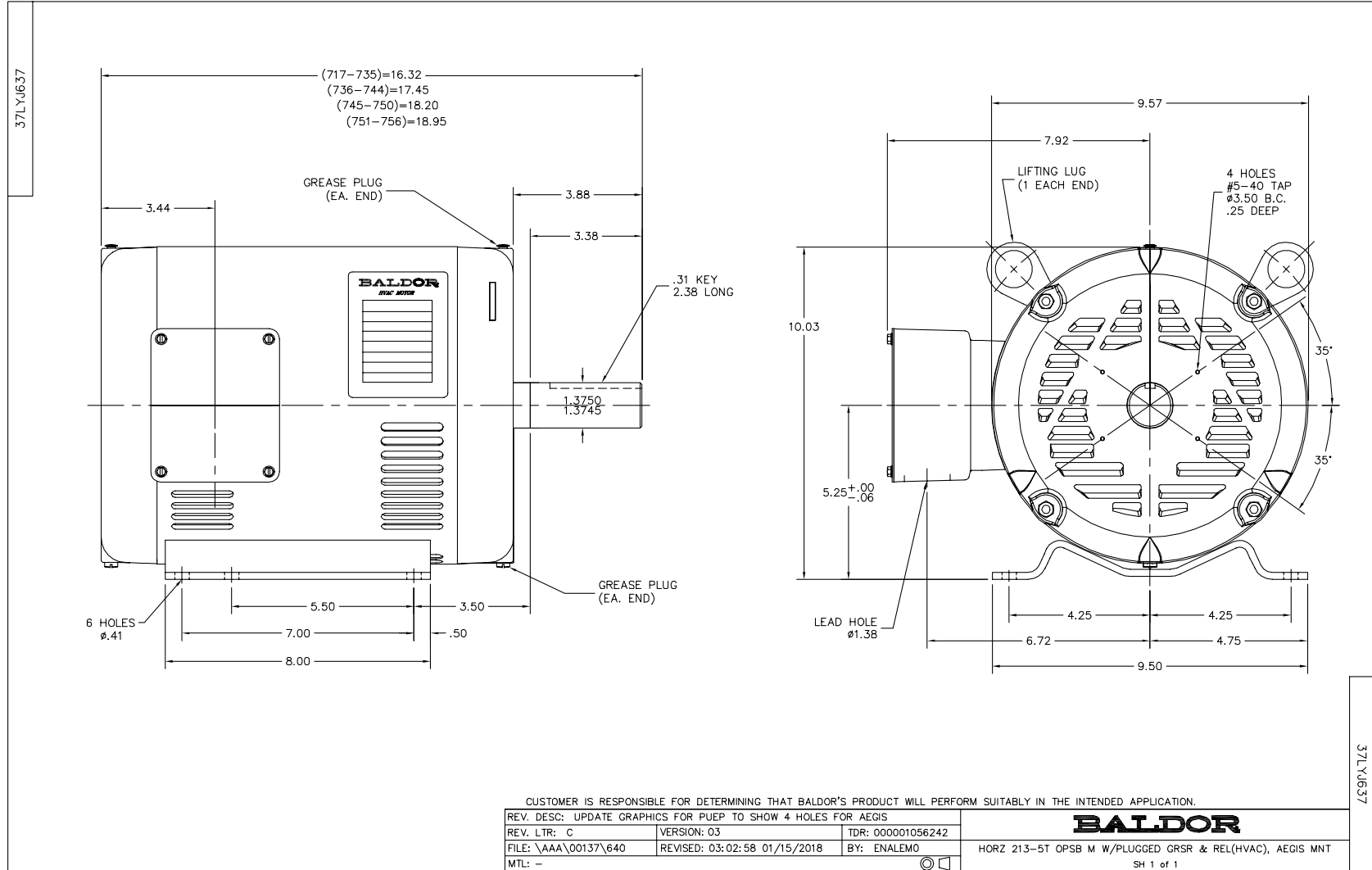
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1770 RPM 460 V 3742M

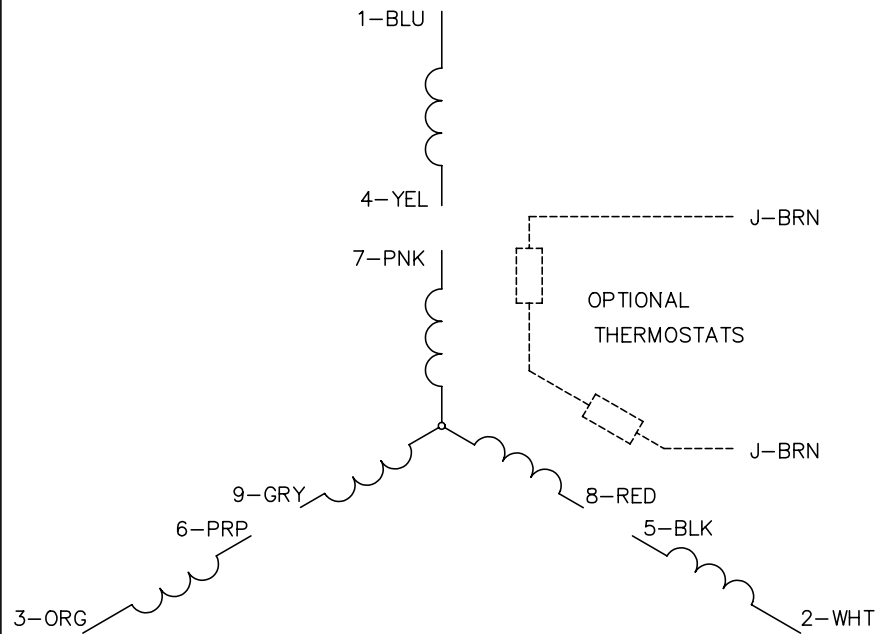
TORQUES(LB-FT): PO=101 PU=44.9 LR=56 LRA=88.6



4/12/2022 ACPERF, record # 85454



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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005