

BALDOR® • RELIANCE 

Product Information Packet

EGDM3313T

10HP,1770RPM,3PH,60HZ,215TZ,3742M,OPSB,F

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT853	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37N688	Layout:	37LYN688	Poles:	04	Created Date:	05-04-2015
Base:	RG	Eff. Date:	07-18-2019	Leads:	9#14		

Specs			
Catalog Number:	EGDM3313T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	215TZ	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	H
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	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
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	Included
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	26.000 A @ 208.0 V	Shaft Rotation:	Reversible
	25.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	12.500 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	Normally Closed Thermostat
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3126L										
CAT.NO.	EGDM3313T									
SPEC.	37N688T853G1									
HP	10									
VOLTS	208-230/460									
AMP	26-25/12.5									
RPM	1770									
FRAME	215TZ				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					
DE	6307				ODE	6206				
ENCL	OPSB		SN							

Parts List		
Part Number	Description	Quantity
SA301074	SA 37N688T853G1	1.000 EA
RA288145	RA 37N688T853G1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3204D00	MASTER,DE,307 BRG,GREASER	1.000 EA
HA1104A05	RODENT SCREEN 37 FRAME 207 BRG PULLEY EN	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1025C02	WILKOFASST SG, 787.105, TAN	0.028 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 EA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
NP3126L	ALUM FARM DUTY SUPER-E UL CSA-EEV PREM	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 32597 - Typical performance - not guaranteed values

Winding: 37WGT853-R002	Type: 3742M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	25/12.5			Breakdown Torque	87.58 LB-FT
R.P.M.	1770			Pull-up Torque	44.18 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	51.57 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	86.72 A
Service Factor (S.F.)	1.15			No-load Current	4.91 A
NEMA Nom. Eff.	91.7	Power Factor	82	Line-line Res. @ 25°C	1.18 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	37.9
				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	48	70	80	84	86	86	83
Efficiency	87.7	91.8	92.2	91.7	90.8	89.5	91.4
Speed	1793	1785	1777	1769	1759	1749	1763
Line amperes	5.6	7.31	9.53	12.15	15	18.24	14.2

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

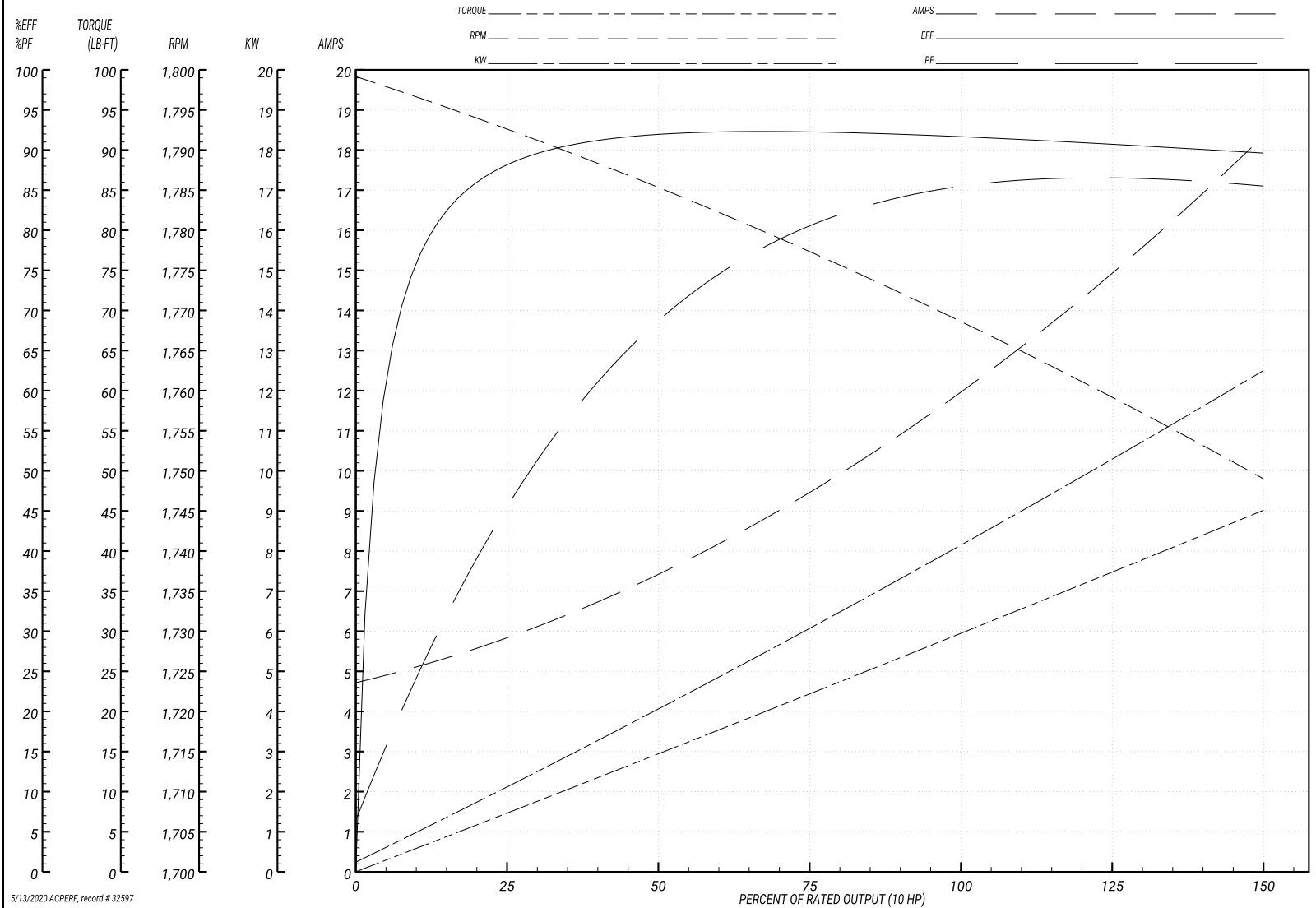
ABB Motors and Mechanical Inc.

WINDING # 37WGT853

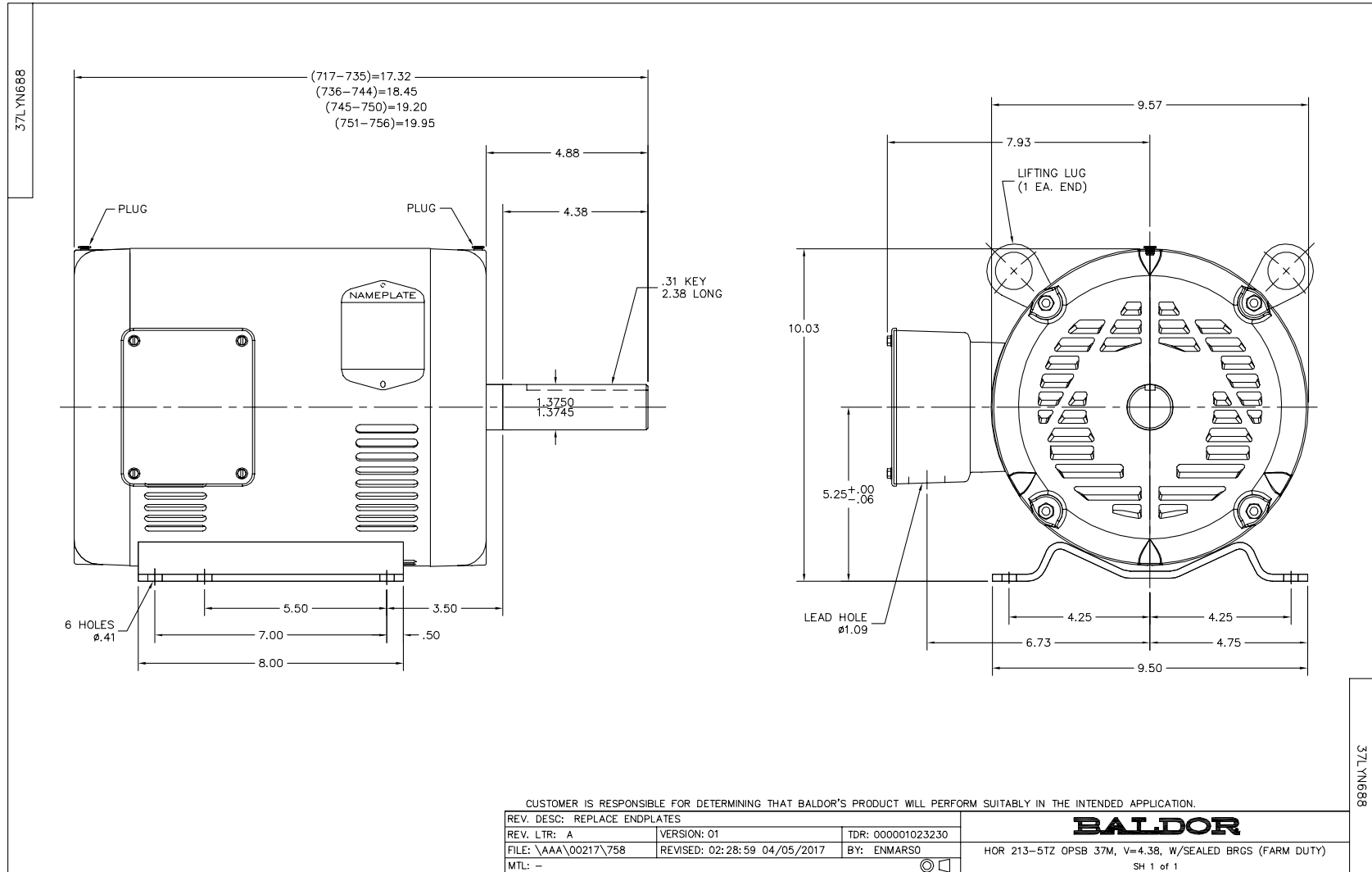
Typical performance - not guaranteed values.

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

TORQUES(LB-FT): PO=87.58 PU=44.18 LR=51.57 LRA=86.72



5/13/2020 ACPERF, record # 32597



CD0005

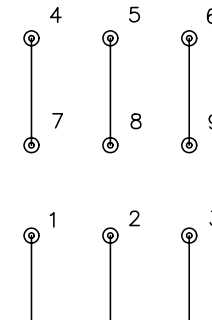


LOW VOLTAGE
(2Y)



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

90000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005