

BALDOR® • RELIANCE

Product Information Packet

EJMM3313T

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

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT853	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37F784	Layout:	37LYF784	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-26-2017	Leads:	9#14		

Specs			
Catalog Number:	EJMM3313T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	215JM	KVA Code:	H
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	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:	UR	Power Factor:	82
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	Included
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

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

Nameplate NP1259L

CAT.NO.	EJMM3313T									
SPEC.	37F784T853									
HP	10									
VOLTS	230/460									
AMP	25/12.5									
RPM	1770									
FRAME	215JM				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							
DE	6309		ODE 6206							
ENCL	OPSB		SN							

AC Induction Motor Performance Data

Record # 53404 - Typical performance - not guaranteed values

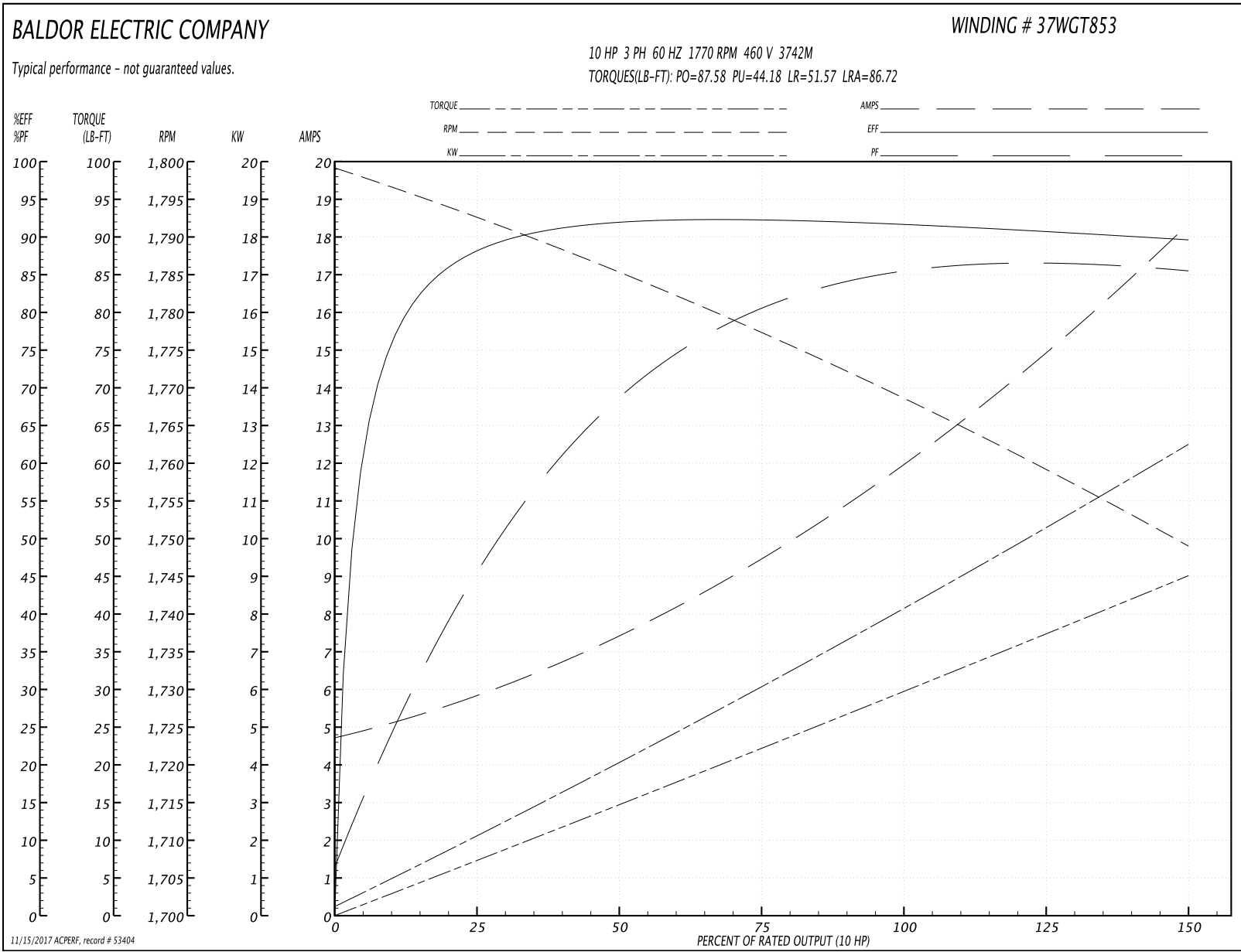
Winding: 37WGT853-R026	Type: 3742M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	25/12.5			Breakdown Torque	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

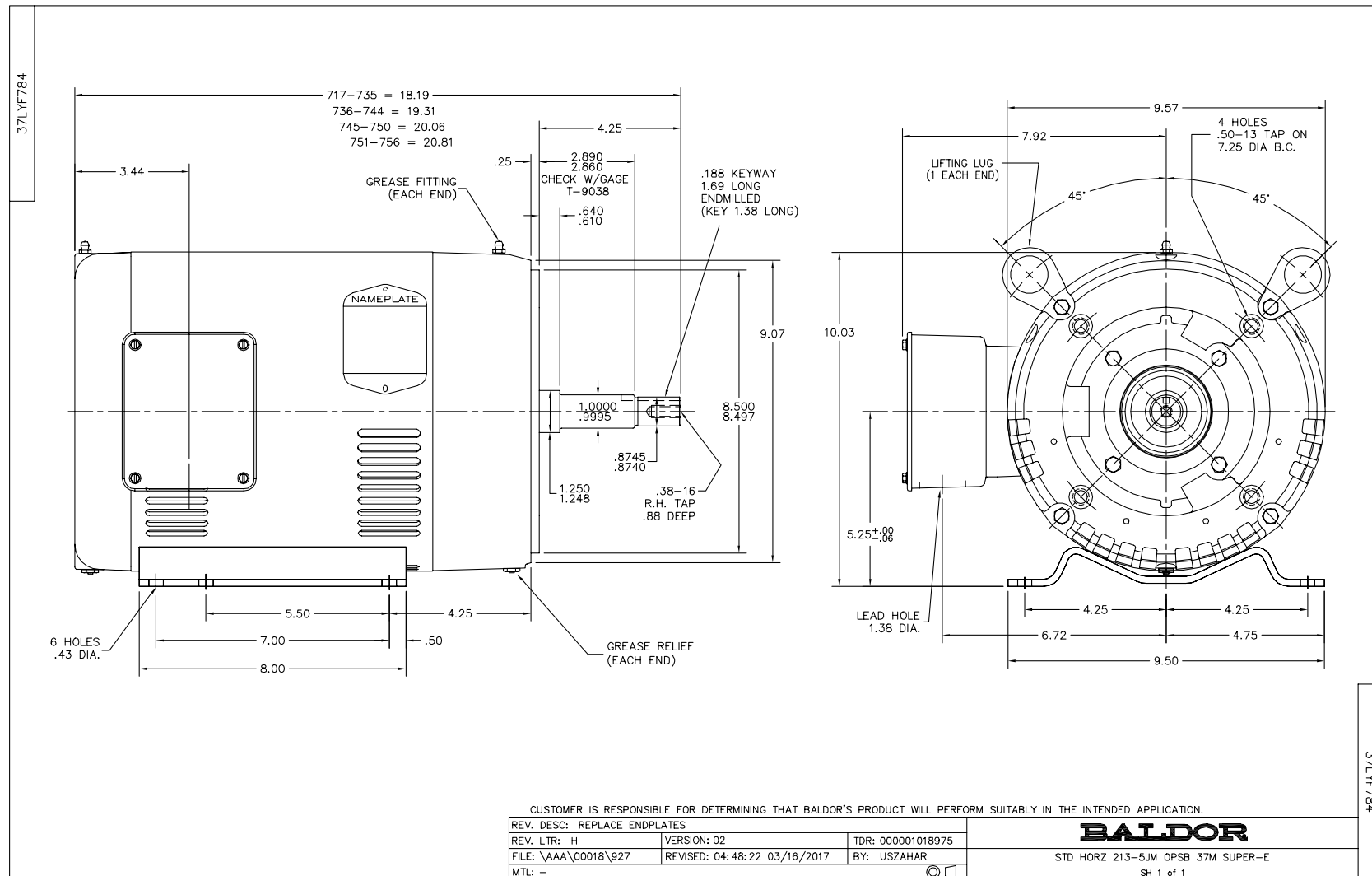
Load Characteristics 460 V, 60 Hz, 10 HP

% 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

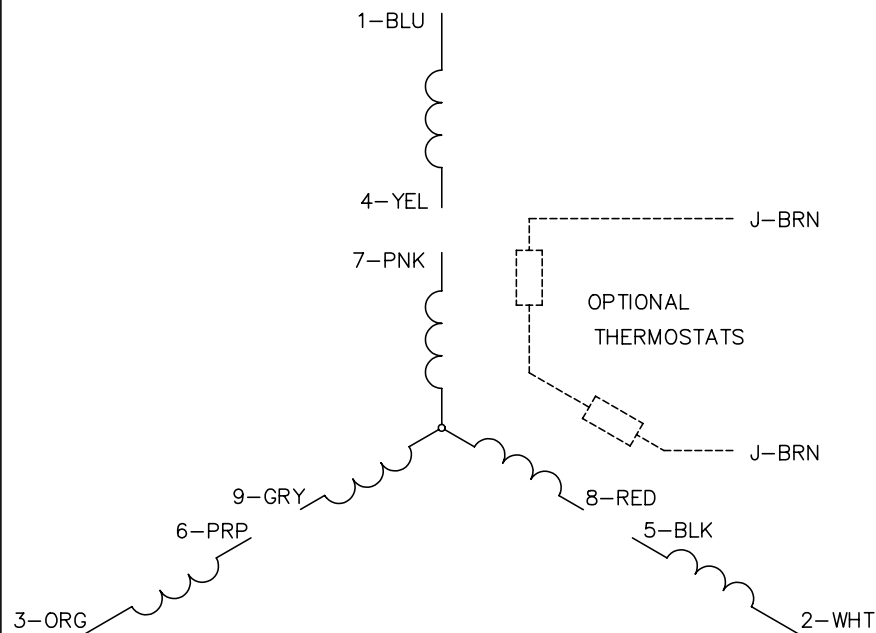
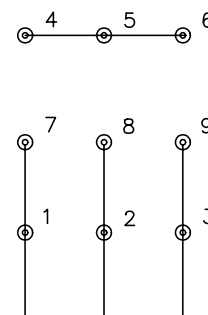
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



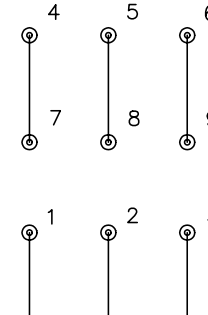
11/15/2017 ACPERF, record # 53404



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