BALDOR • RELIANCE

Product Information Packet

VM3312T

10HP,3500RPM,3PH,60HZ,213TC,3726M,OPSB,F

Part Detail

Revision:	D	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	37WGR288	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	37B103	**Layout:**	37LYB103	**Poles:**	02	**Created Date:**	07-31-2012
Base:	N	**Eff. Date:**	03-08-2016	**Leads:**	9#14		

Specs

Catalog Number:	VM3312T	**Heater Indicator:**	No Heater
Enclosure:	ODP	**Insulation Class:**	B
Frame:	213TC	**Inverter Code:**	Not Inverter
Frame Material:	Steel	**KVA Code:**	H
Output @ Frequency:	10.000 HP @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 14 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	460.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3726M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	UR	**Power Factor:**	84
	CSA	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	C-Face
Base Indicator:	N	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End

Current @ Voltage:	12.400 A @ 460.0 V
	24.800 A @ 230.0 V
	26.000 A @ 208.0 V
Design Code:	B
Drip Cover:	Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Drip Cover Mounting
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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 NP1256L

CAT.NO.	VM3312T								
SPEC.	37B103R288H1								
HP	10								
VOLTS	208-230/460								
AMP	26-24.8/12.4								
RPM	3500								
FRAME	213TC		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	H	**DES**	B		**CLASS**	B	
NEMA-NOM-EFF	88.5	**PF**	84						
RATING	40C AMB-CONT								
CC	010A					**USABLE AT 208V**			
DE	6307			**ODE**	6206				
ENCL	OPSB	**SN**							

AC Induction Motor Performance Data
Record # 50329
Typical performance - not guaranteed values

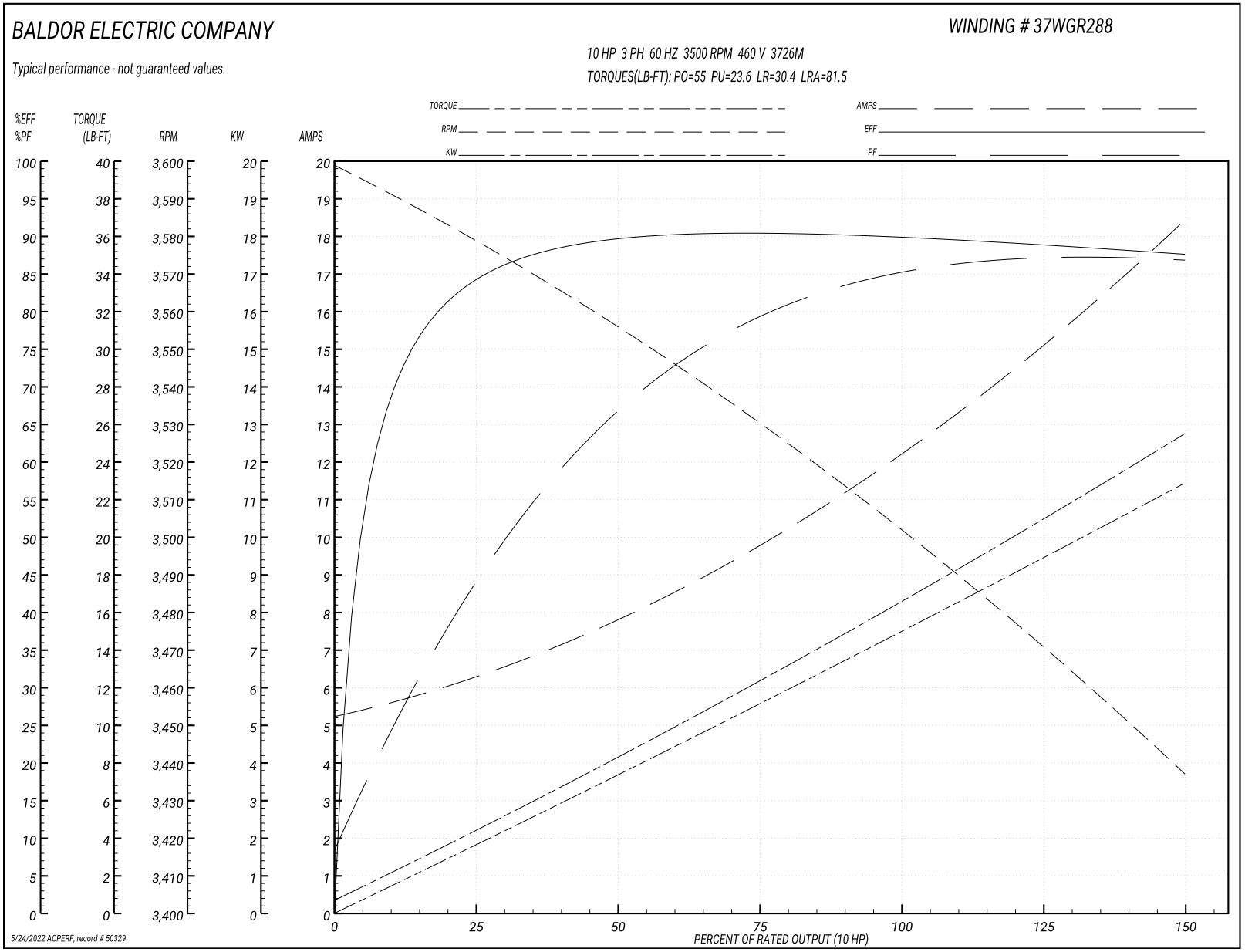
Winding: 37WGR288-R002	**Type:** 3726M	**Enclosure:** OPSB

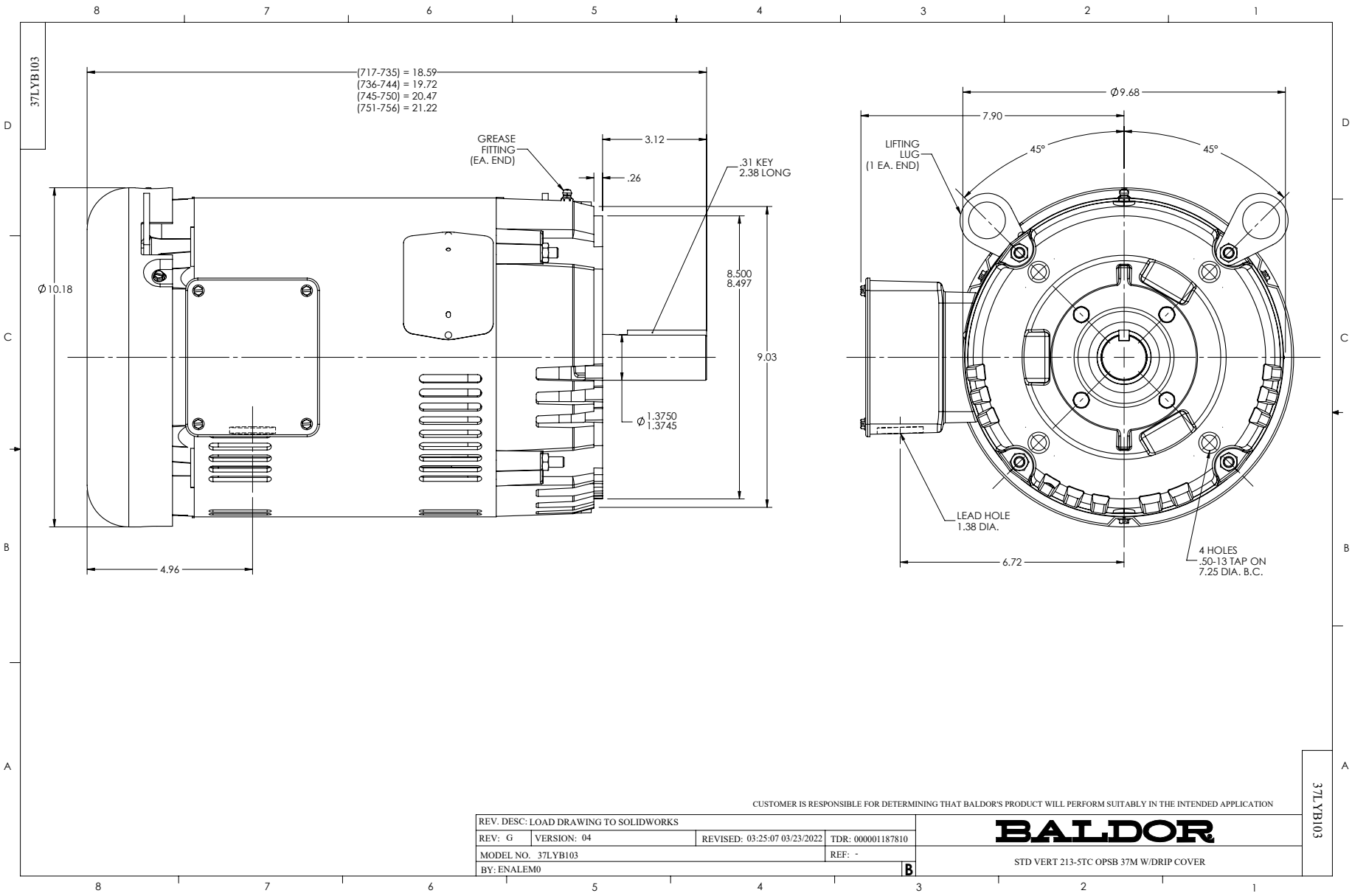
Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10	**Full Load Torque**	15 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		26-24.8/12.4	**Breakdown Torque**	55 LB-FT
R.P.M.		3500	**Pull-up Torque**	23.6 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	30.4 LB-FT
NEMA Design Code	B **KVA Code**	H	**Starting Current**	81.5 A
Service Factor (S.F.)		1.15	**No-load Current**	5.42 A
NEMA Nom. Eff.	88.5 **Power Factor**	84	**Line-line Res. @ 25ºC**	0.98595 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	40°C
S.F. Amps			**Temp. Rise @ S.F. Load**	49°C
			Locked-rotor Power Factor	35
			Rotor inertia	0.237 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

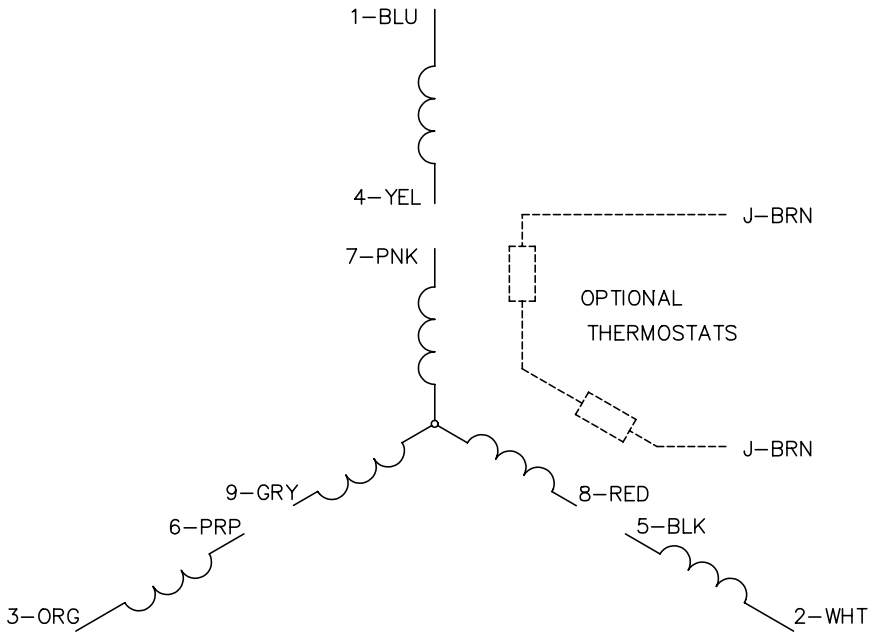
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	46	69	79	84	86	88	85
Efficiency	83.6	89.2	90.2	89.9	88.9	87.6	89.3
Speed	3579.3	3555.1	3530.2	3502.2	3470.9	3437	3483
Line amperes	6.07	7.67	9.85	12.4	15.2	18.3	14.1

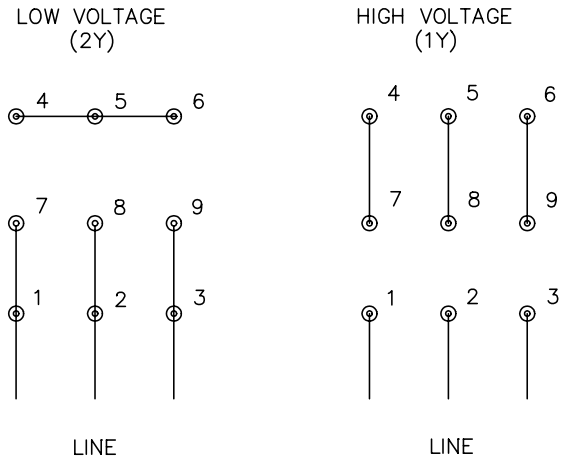
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values




37LYB103
(717-735) = 18.59
(736-744) = 19.72
(745-750) = 20.47
(751-756) = 21.22
GREASE FITTING (EA. END)
3.12
.26
.31 KEY 2.38 LONG
Ø10.18
8.500 8.497
9.03
Ø1.3750 1.3745
4.96
Ø9.68
7.90
LIFTING LUG (1 EA. END)
45°
45°
LEAD HOLE 1.38 DIA.
6.72
4 HOLES .50-13 TAP ON 7.25 DIA. B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: G
VERSION: 04
REVISED: 03:25:07 03/23/2022
TDR: 000001187810
MODEL NO. 37LYB103
REF: -
BY: ENALEM0
B
BALDOR
STD VERT 213-5TC OPSB 37M W/DRIP COVER
37LYB103

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS