



Product Information Packet

ZDNM3669T

2HP,1760RPM,3PH,60HZ,182TC,0624M,TENV,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGX813	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06F550	Layout:	06LYF550	Poles:	04	Created Date:	07-21-2016
Base:	RG	Eff. Date:	07-27-2016	Leads:	9#16		

Specs			
Catalog Number:	ZDNM3669T	Inverter Code:	Inverter Duty
Enclosure:	TENV	KVA Code:	K
Frame:	182TC	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Iron	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	0624M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	71
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxiliary Box:	No Auxiliary Box	Pulley Face Code:	C-Face
Auxiliary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	3.000 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	6.000 A @ 230.0 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:	ENCODER	Thermal Device - Bearing:	None
Front Face Code:	Encoder/Feedback Device	Thermal Device - Winding:	Normally Closed Thermostat
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	H	Winding Thermal 2:	None

Nameplate NP1167L

CAT NO	ZDNM3669T										
SPEC.	06F550X813Z1										
FRAME	182TC				HP	2	TE				
VOLTS	230/460										
MAG CUR	3.8/1.9					FLA	6/3				
RPM	1760				RPM MAX	6000					
HZ	60			PH	3	CLASS			H		
SER.F.	1.00			DES	B			SL HZ	1.3		
NEMA-NOM-EFF	88.5				WK2	0.22					
BLWR V			PH		HZ		A				
RATING	40C AMB-CONT										
DE BRG	6206			ODE BRG	6205						
CC	010A		SN								

Parts List		
Part Number	Description	Quantity
SA324389	SA 06F550X813Z1	1.000 EA
RA312223	RA 06F550X813Z1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 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
36EP1101B70	FR TENV 205 BRG W/ GRSR & THRU-SHAFT ENC	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE1300A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	1.000 EA
35FH4801G	THRU-SHAFT ENCODER COVER INV/VECTOR F1 &	1.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	4.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
OE5011A05SP	HS25 ENCODER ASSY - TENV	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1167L	SS VEC UL CSA CC	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 58281 - Typical performance - not guaranteed values

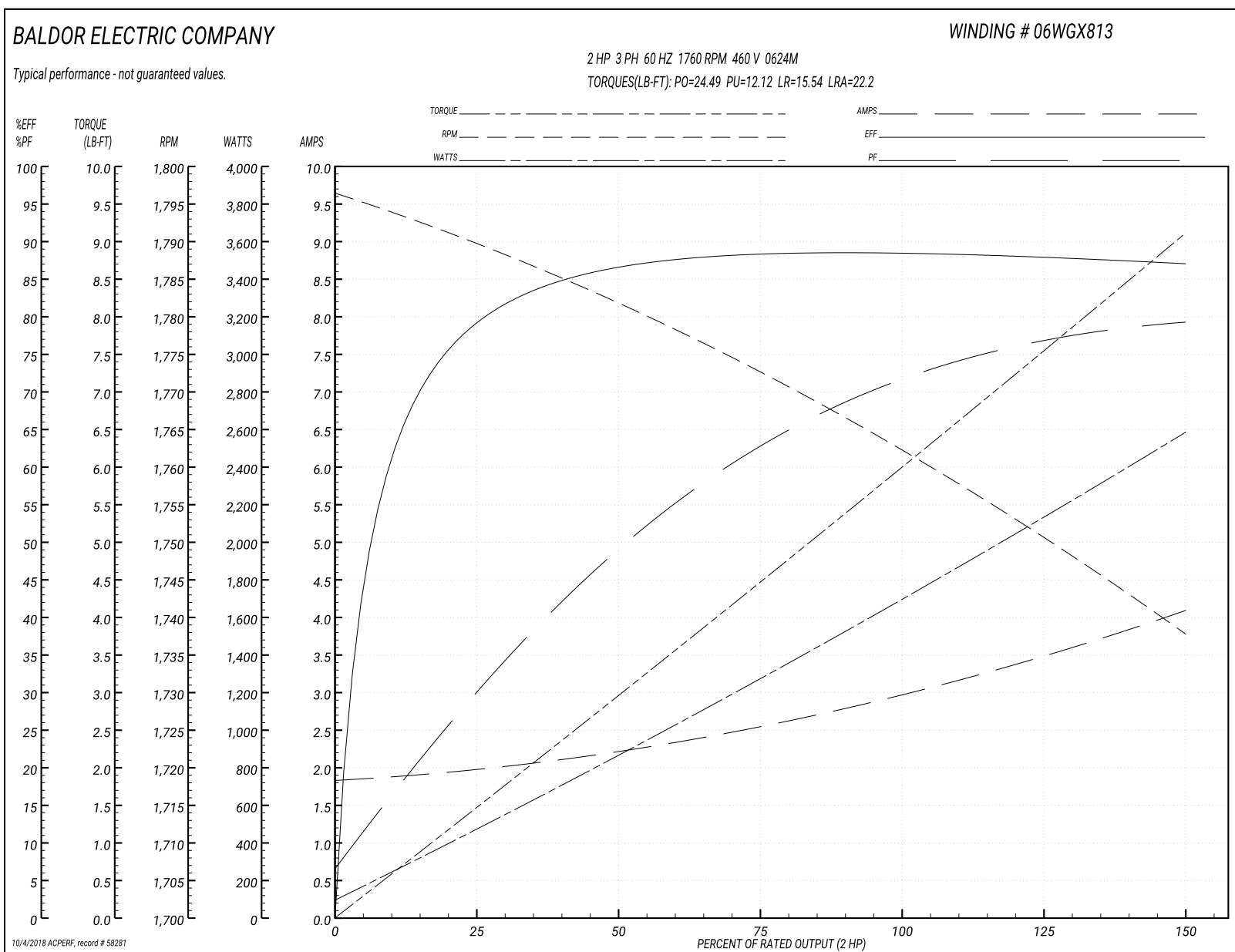
Winding: 06WGX813-R001	Type: 0624M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.02 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	6/3			Breakdown Torque	24.49 LB-FT
R.P.M.	1760			Pull-up Torque	12.12 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.54 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	22.2 A
Service Factor (S.F.)	1			No-load Current	1.85 A
NEMA Nom. Eff.	88.5	Power Factor	71	Line-line Res. @ 25°C	6.3232 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
				Locked-rotor Power Factor	46.8

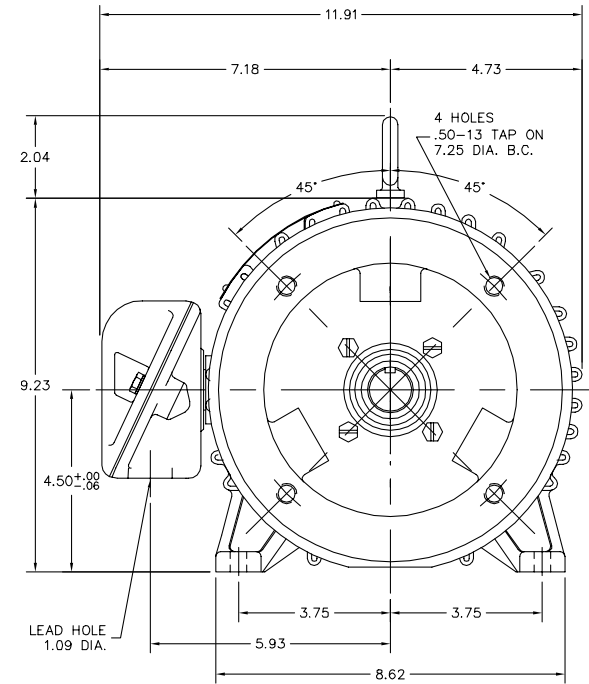
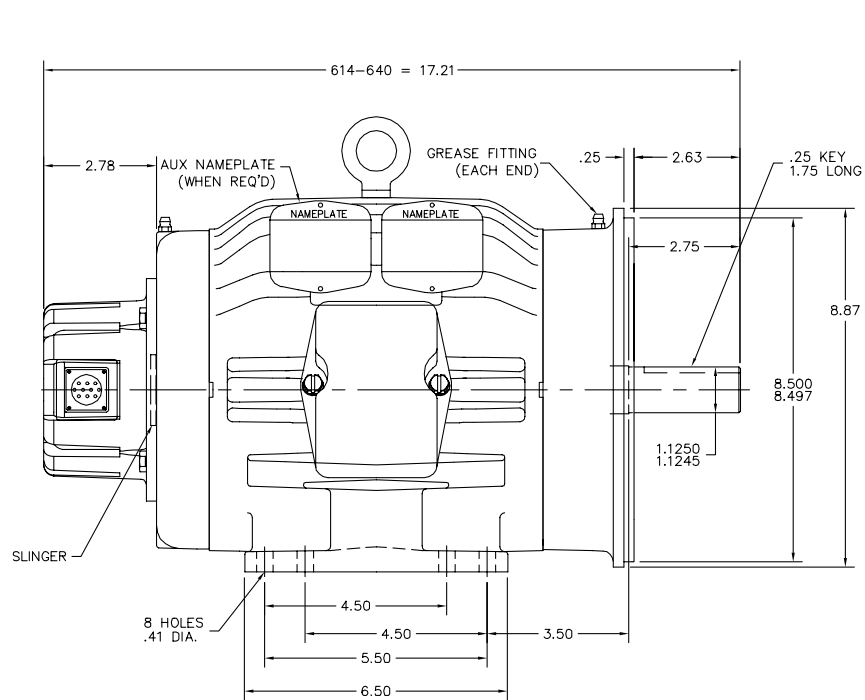
Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	30	49	63	71	76	80
Efficiency	78.8	86.2	88.3	88.6	88.1	87
Speed	1790.9	1781.9	1772.5	1761.8	1751	1738
Line amperes	1.95	2.21	2.54	2.99	3.48	4.08

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



06LYF550



06LYF550

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD GRAPHICS FOR 2 AUX NAMEPLATE	VERSION: 01	TDR: 000001027670
REV. LTR: C	REvised: 12:57:52 05/09/2017	BY: USZAHAR
FILE: \AAA\00070\928		
MTL: -		

BALDOR

STD HORZ 182-4TC TENV VECTOR (THRU-SHAFT ENCODER)
SH 1 of 1

