

BALDOR® • RELIANCE

Product Information Packet

IDNM2334T

20HP,1780RPM,3PH,60HZ,284T,1056M,TENV,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1056M	Elec. Spec:	10WGW586	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	10F681	Layout:	10LYF681
Frame:	284T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	06-27-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1163L									
CAT NO	IDNM2334T								
SPEC.	10F681W586G1								
FRAME	284T	HP	20 TE						
VOLTS	230/460								
MAG CUR	29/14.5	FLA	51/25.5						
RPM	1780	RPM MAX	4000						
HZ	60	PH	3	CLASS	H				
SER.F.	1.00	DES	A	SL HZ	0.67				
NEMA-NOM-EFF	94.5	WK2	4.46						
BLWR V		PH		HZ		A			
RATING	40C AMB-CONT								
DE BRG	6311	ODE BRG	6309						
CC		SN							

Parts List		
Part Number	Description	Quantity
SA109285	SA 10F681W586G1	1.000 EA
RA100777	RA 10F681W586G1	1.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
12GS1000	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
10EP1104A105	FREP, TEBC W/THRU SHAFT ENCODER DESIGN &	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4017A10	1/8X1.25 GREASE EXT (F/S)	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
HA4017A10	1/8X1.25 GREASE EXT (F/S)	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10EP1105A01	PU ENDPLATE, MACH 284-6T	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA1005A04SP	SLINGER, OD 3.620, ID 1.98,	1.000 EA
HA6881	BEI HS35 THRU SHAFT ENCODER PROTECTIVE C	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	3.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	3.000 EA
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
10GS1000	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	2.000 EA
LC0005E02	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 EA
NP1163L	ALUM INV UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

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AC Induction Motor Performance Data
Record # 2299
Typical performance - not guaranteed values

Winding: 10WGW586	Type: 1056M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection			
Rated Output (HP)	20			Full Load Torque	60 LB-FT		
Volts	230/460			Start Configuration	DOL		
Full Load Amps	51/25.5			Break Down Torque	256 LB-FT		
R.P.M.	1780			Pull-Up Torque	122 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	143 LB-FT		
NEMA Design Code	A	KVA Code	K	Starting Current	214 Amps		
Service Factor	1			No-load Current	15.5 Amps		
NEMA Nom. Eff.	94.5	P.F.	78	Line-line Res. @ 25°C.	0.242 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C		
S.F. Amps				Temp. Rise @ S.F. Load			

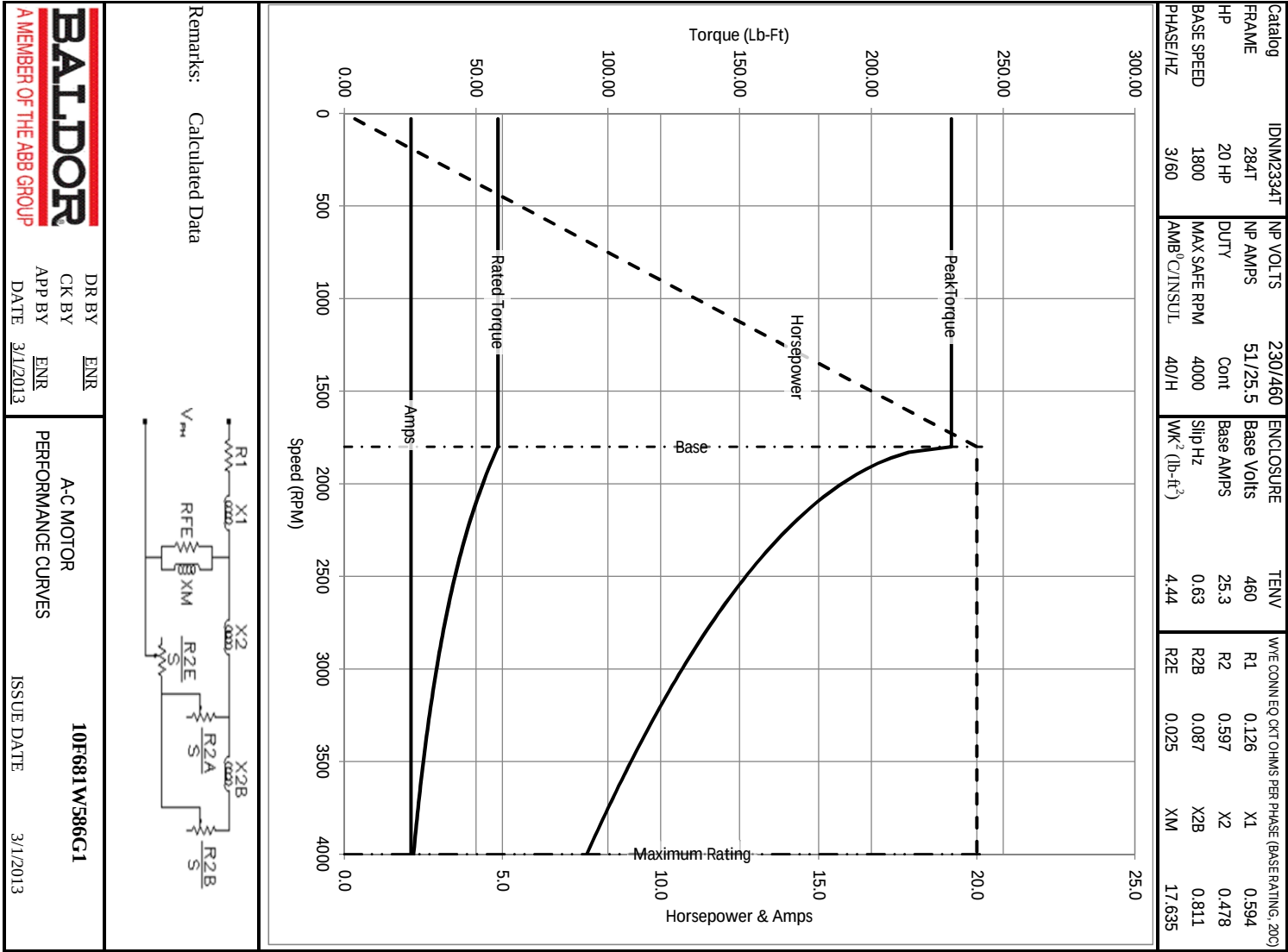
Load Characteristics at 460 Volts, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	59	71	78	82	84	
Efficiency	88.3	93.1	94.4	94.8	94.8	94.6	
Speed	1795	1791	1786	1781	1777	1771	
Line Amperes	14.4	17.1	20.8	25.3	30.1	35.3	

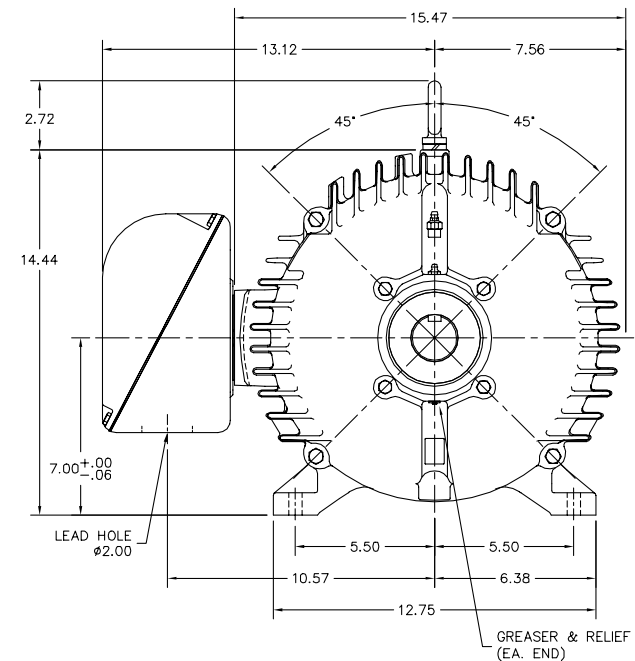
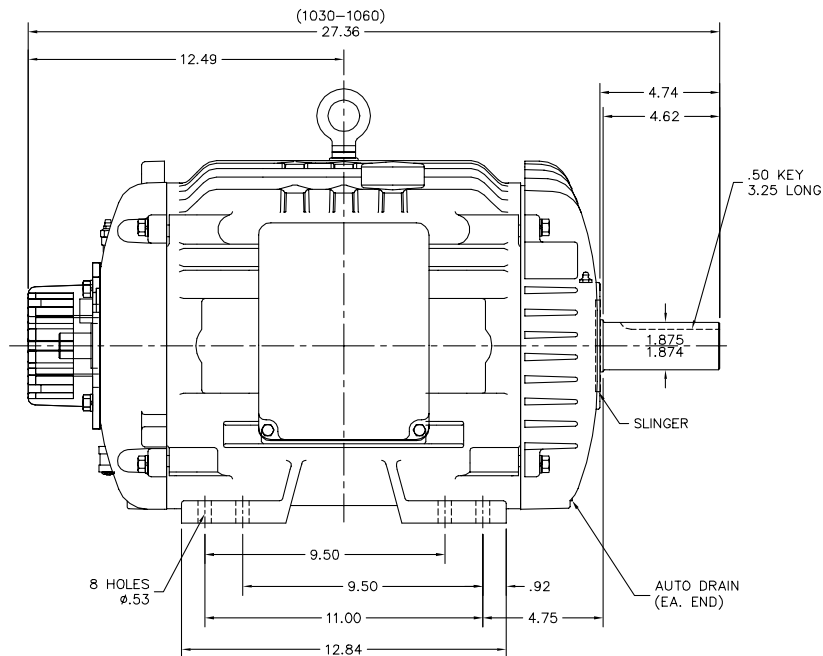
Baldor Electric Company Fort Smith, Arkansas



3/1/2013



10LYF681



10LYF681

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

REV. DESC: UPDATE DRAIN FITTING	VERSION: 03	TDR: 000000B57B35
REV. LTR: C	REVISED: 10:33:46 06/16/2014	BY: ENNINDO
FILE: \AAA\00112\039		
MTL: -		

BALDOR

 HORZ TENV 284-6T INV W/THRU SH ENCODER DESIGN & COVER
 SH 1 of 1

