

BALDOR® • RELIANCE

Product Information Packet

IDNM3669T

2HP,1725RPM,3PH,60HZ,182TC,0628M,TENV,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0628M	Elec. Spec:	06WGW078	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	06F551	Layout:	06LYF551
Frame:	182TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	01-03-2014
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1163L									
CAT NO	IDNM3669T								
SPEC.	06F551W078G2								
FRAME	182TC	HP	2 TE						
VOLTS	230/460								
MAG CUR	3.4/1.7	FLA	5.8/2.9						
RPM	1725	RPM MAX	6000						
HZ	60	PH	3	CLASS	H				
SER.F.	1.00	DES	B	SL HZ	1.89				
NEMA-NOM-EFF	84	WK2	0.263						
BLWR V		PH		HZ		A			
RATING	40C AMB-CONT								
DE BRG	6206	ODE BRG	6205						
CC		SN							

Parts List		
Part Number	Description	Quantity
SA084528	SA 06F551W078G2	1.000 EA
RA077694	RA 06F551W078G2	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
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 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
36EP1300A01SP	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
35FH4801G	THRU-SHAFT ENCODER COVER INV/VECTOR F1 &	1.000 EA
WD4129	1.50 X 1.50 GRAY SNAP IN PLUG PROMOULD #	2.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	4.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	1.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
HW2501E16	3KEY, 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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1163L	ALUM INV UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Page 1 of 1



AC Induction Motor Performance Data

Record # 20651

Typical performance - not guaranteed values

Winding: 06WGW078	Type: 0628M	Enclosure: TENV
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection			
Rated Output (HP)	2			Full Load Torque	6 LB-FT		
Volts	230/460			Start Configuration	DOL		
Full Load Amps	5.8/2.9			Break Down Torque	30 LB-FT		
R.P.M.	1725			Pull-Up Torque	22 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	25 LB-FT		
NEMA Design Code	B	KVA Code	M	Starting Current	26 Amps		
Service Factor	1			No-load Current	1.7 Amps		
NEMA Nom. Eff.	84	P.F.	76	Line-line Res. @ 25°C.	6.2 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C		
S.F. Amps				Temp. Rise @ S.F. Load			

Load Characteristics at 460 Volts, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	57	69	77	81	84	
Efficiency	71.3	80.8	83.7	84.6	84.4	83.6	
Speed	1785	1772	1759	1745	1730	1714	
Line Amperes	1.9	2.2	2.5	2.9	3.4	4	

Baldor Electric Company Fort Smith, Arkansas







