

BALDOR® • RELIANCE

Product Information Packet

ZDM4111T

25HP,1180RPM,3PH,60HZ,324T,1260M,TEBC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1260M	Elec. Spec:	12WGY116	CD Diagram:	CD0180
Enclosure:	TEBC	Mfg Plant:		Mech. Spec:	12T038	Layout:	12LYT038
Frame:	324T	Mounting:	F1	Poles:	06	Created Date:	06-07-2011
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	06-13-2014
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1168L									
CAT NO	ZDM4111T								
SPEC.	12T038Y116Z1								
FRAME	324T	HP	25 TE						
VOLTS	230/460								
MAG CUR	27.6/13.8	FLA	63/32						
RPM	1180	RPM MAX	3900						
HZ	60	PH	3	CLASS		H			
SER.F.	1.00	DES	A	SL HZ		0.8			
NEMA-NOM-EFF	93	WK2	11.5						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6312	ODE BRG	6311						
CC		SER.NO							

Parts List		
Part Number	Description	Quantity
SA224867	SA 12T038Y116Z1	1.000 EA
RA211968	RA 12T038Y116Z1	1.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN5013K32	1/2-13 X 2.00" HEX HD GRD 5 (20051)	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HA1005A26	SLINGER, OD 3.00, ID 1.75, 309 BRG	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
HW5100A13	W4627-047 WVY WSHER	1.000 EA
10XN3118K36	5/16-18 X 2.25" HEX HD, GRADE 5	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10XN3118K44	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
12EP1106A01	PU ENDPLATE, MACH 324-6T	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN5013K28	1/2-13 X 1.75 HEX HEAD MACH SCREW,GRAD	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HA1005A06	SLINGER, OD 3.62, ID 2.15	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	6.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	6.000 EA
12FH4003	312 VCTOR DR FAN HSG DUALMTG (F1/F2)	1.000 EA
HA6354A02	MTG. BRACKET 312 FRAME FAN HOUSING	4.000 EA
10XN3118K08	5/16-18 X .50 GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
33CB3002	CONDUIT BOX, CAST	1.000 EA
34CB4500SP	CONDUIT BOX LID, STAMPED	1.000 EA
34GS1001	GASKET, STD CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
RM1022A02	GROMMET .875 ID 1.00 OD .12 WALL,VENDOR#	1.000 EA
51XN0832A12	8-32 HEX SLOT WSHR HD MACH SC GRADE 2, Z	2.000 EA
HW1001A08	WASHER, #8 SPLT LK, ZN	4.000 EA
XY0832A02	8-32 HEX NUT	2.000 EA
WD4101A09	STIMPSON D3560, .875 DIA. HOLE PLUG	1.000 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
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
12EP1107A55	FR ENDPLATE, W/THRU SHAFT ENCODER DESIGN	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.200 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
EF5002SP	VENTURI/GRILLE KIT FOR 310/312 TEBC MOTO	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.080 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
WD4101A08	STIMPSON #D3557,1.188 DIA. HOLE PLUG	1.000 EA
ENC02BC-B2	ENCNDR KIT TEBC W/OEHS35A09 W/BLIND SHAFT	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1168L	ALUM VEC UL CSA CC	1.000 EA
10PA1010	PACKAGING GROUP,BRAKE MTRTDR 10086	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 # 34370
 Typical performance - not guaranteed values

Winding: 12WGY116	Type: 1260M	Enclosure: TEBC
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Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection			
Rated Output (HP)	25			Full Load Torque	111 LB-FT		
Volts	230/460			Start Configuration	DOL		
Full Load Amps	63/32			Break Down Torque	308 LB-FT		
R.P.M.	1180			Pull-Up Torque	117 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	171 LB-FT		
NEMA Design Code	A	KVA Code	H	Starting Current	198 Amps		
Service Factor	1			No-load Current	13.8 Amps		
NEMA Nom. Eff.	93	P.F.	79	Line-line Res. @ 25°C.	0.27033 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C		
S.F. Amps				Temp. Rise @ S.F. Load			

Load Characteristics at 460 Volts, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	75	79	81	81	
Efficiency	89.1	92.8	93.5	93.2	92.6	91.5	
Speed	1195.4	1191.8	1188.2	1183.9	1179.3	1172.9	
Line Amperes	15.6	19.7	25.4	31.9	39.2	49.1	

Baldor Electric Company Fort Smith, Arkansas







