

BALDOR® • RELIANCE

Product Information Packet

ZDNM2237T

7.5HP,1765RPM,3PH,60HZ,256TC,0932M,TENV

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0932M	Elec. Spec:	09WGY362	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	09F277	Layout:	09LYF277
Frame:	256TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	08-27-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1168L									
CAT NO	ZDNM2237T								
SPEC.	09F277Y362Z1								
FRAME	256TC	HP	7.5 TE						
VOLTS	230/460								
MAG CUR	7.2/3.6	FLA	18.2/9.1						
RPM	1765	RPM MAX	5000						
HZ	60	PH	3	CLASS		H			
SER.F.	1.00	DES	B	SL HZ		1			
NEMA-NOM-EFF	90.2	WK2	1.4						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6309	ODE BRG	6208						
CC		SER.NO							

Parts List		
Part Number	Description	Quantity
SA109806	SA 09F277Y362Z1	1.000 EA
RA101260	RA 09F277Y362Z1	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLOCKWASHER	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A119	FREP TEBC/TENV W/THRU SHAFT ENCODER DESI	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA1005A12SP	SLINGER, OD 2.50, ID 1.433, 208 BRG	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
09EP1300A12	ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA3113A03	THRUBOLT 3/8-16 X 14.125	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 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
OE5001A80	ENCDR KIT TENV W/OEHS35A10 W/BLIND SHAFT	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LC0005E02	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 EA
NP1168L	ALUM VEC UL CSA CC	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	4.000 EA
09PA1000	PACKAGING GROUP COMBINED PRINT	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 # 1972

Typical performance - not guaranteed values

Winding: 09WGY362	Type: 0932M	Enclosure: TENV
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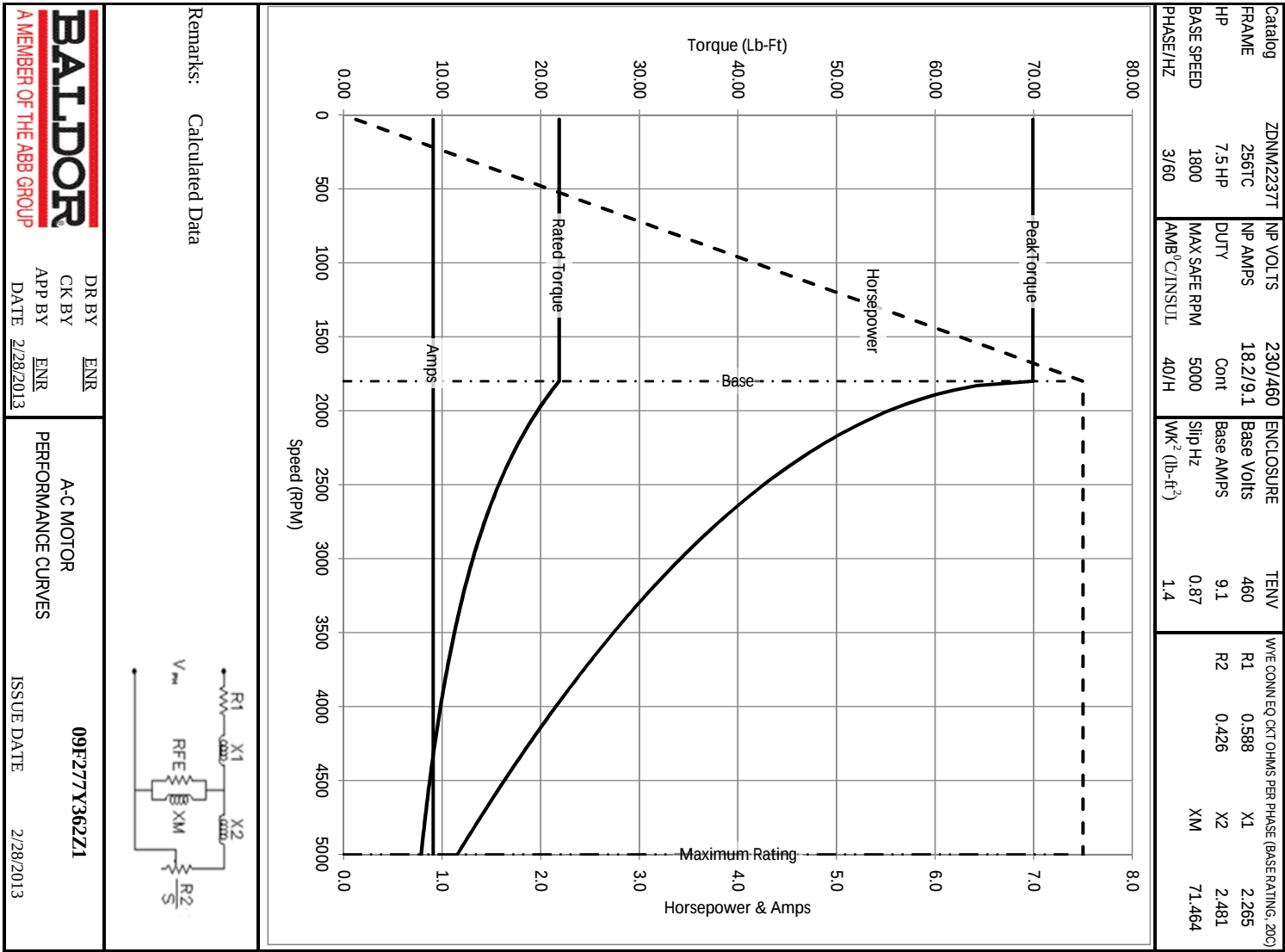
Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	7.5		Full Load Torque	22.3 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	18.2/9.1		Break Down Torque	77.7 LB-FT			
R.P.M.	1765		Pull-Up Torque	34.6 LB-FT			
Hz	60	Phase	Locked-rotor Torque	42.9 LB-FT			
NEMA Design Code	B	KVA Code	Starting Current	65 Amps			
Service Factor	1		No-load Current	3.6 Amps			
NEMA Nom. Eff.	90.2	P.F.	Line-line Res. @ 25°C.	1.22 Ohms			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	75°C			
S.F. Amps			Temp. Rise @ S.F. Load				

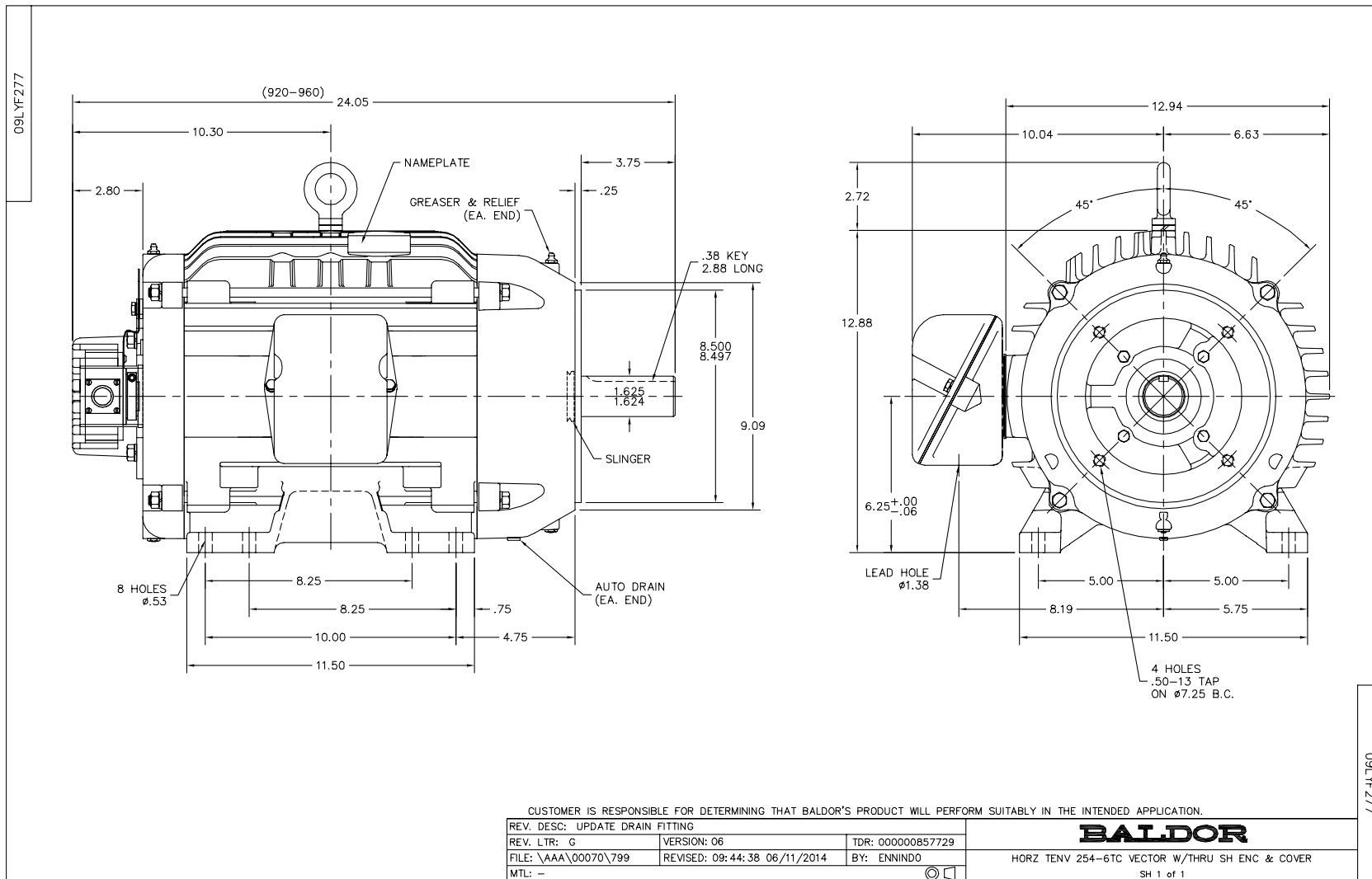
Load Characteristics at 460 Volts, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	73	82	85	88	89	
Efficiency	82	88.5	90.4	90.9	90.9	90.5	
Speed	1793	1786	1780	1774	1766	1759	
Line Amperes	4.2	5.5	7.2	9.1	11	13.1	

Baldor Electric Company Fort Smith, Arkansas



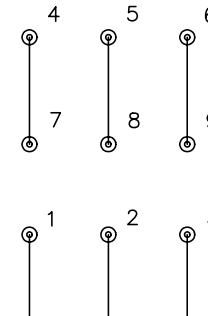




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005