

BALDOR® • RELIANCE

Product Information Packet

ECR9404T

40HP,1775RPM,3PH,60HZ,324T,1264M,TEFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1264M	Elec. Spec:	12WGY872	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	12H518	Layout:	12LYH518
Frame:	324T	Mounting:	F1	Poles:	04	Created Date:	01-07-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-30-2016
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3293

CAT.NO.	ECR9404T		P/N			ENCLOSURE	TEFC	
SPEC.	12H518Y872G1		CC	010A	FRAME	324T	S/N	
HP	40		CLASS	F	HZ	60	DES	A
RPM	1775	RPM MAX	2700		PH	3	KVA-CODE	G
VOLT	230/460		I.P.	55				
AMP	98/49		SER.F.	1.25	PF	81	ODE BRG	6312
RATING	40C AMB-CONT		NEMA-NOM-EFF	94.1	GREASE	POLYREX EM		
HTR-VOLTS		HTR-AMPS			HTR-WATTS	MAX. SPACE HEATER TEMP.		
	SFA 122/61		C HP FR	60	C HP TO	90	DE BRG	6313
			CT HZ FROM	6	CT HZ TO	60	INV.TYPE	
			MOTOR WEIGHT	645	VT HZ FROM	6	VT HZ TO	60

Parts List		
Part Number	Description	Quantity
SA293881	SA 12H518Y872G1	1.000 EA
RA279969	RA 12H518Y872G1	1.000 EA
09FN3001C03	EXTERNAL FAN, PLASTIC	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB1000A04E	CONDUIT BOX, MACH W/E-COAT	1.000 EA
09GS1010	GASKET, DWG, LEADWIRE SEPERATOR	1.000 EA
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
10XN2520K08	1/4-20 X .50 GRADE #5, STL, ZINC PLATE	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
HA4017A11	1/8 X 2.75 GREASE EXT (F/S)	1.000 EA
HW4019A01	PIPE COUPLING 1/8 NPT,STEEL,ZINC COATING	1.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA3400A32	STUD, 1/2-13 X 7.38	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	4.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
10XN3816K48	3/8-16 X 3 HEX HD CAP SCREW,Z/P	4.000 EA
12EP1110A01P	PULLEY ENDPLATE-313 BRG-MACH	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

Parts List (continued)		
Part Number	Description	Quantity
HW4600B42	V-RING SLINGER 2.375 X 3.070 X .28 VITON	1.000 EA
12FH1002A13P	FAN COVER, MACH W/EPOXY PRIMER	1.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	4.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,.879 OD, .509 I	4.000 EA
10CB1503A01P	CONDUIT BOX LIPPED LID, MACH W/EPXY PRMR	1.000 EA
14GS1003	GASKET CONDUIT BOX LID, NEOP	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.030 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.025 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
12EP1111A57PE44	FR ENDPLATE, MACH W/E-COAT & MG1025G96	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.200 LB
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA

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HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G96	WILKOFASST SG, 779.7048, MOUSE GRAY #7048	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP3293	SS CRUSHER DUTY INV UL CSA-EEV PREM CC	1.000 EA
12PA1000	PACKAGING GROUP PRINT PK1024A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

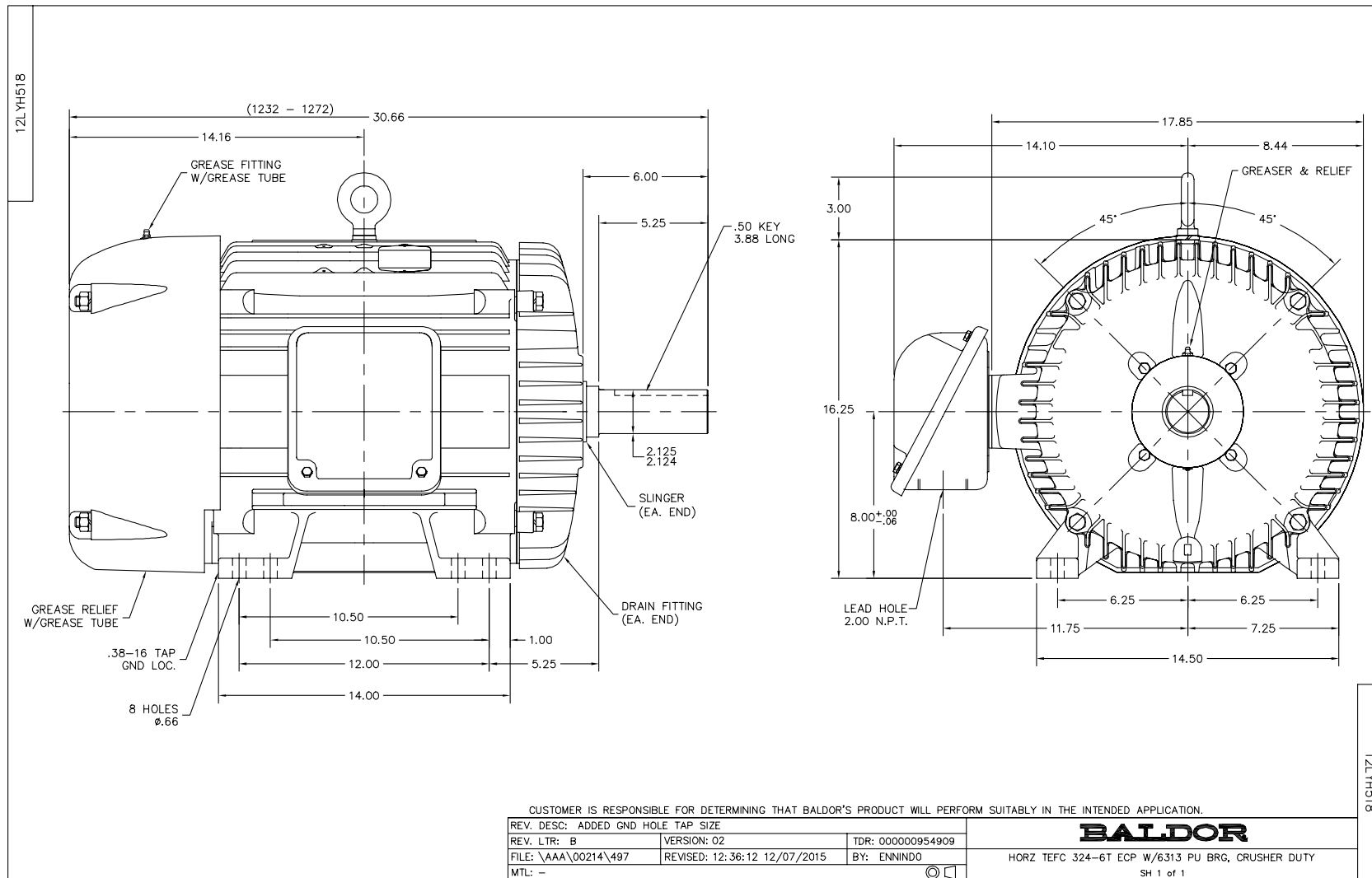
Record # 48603 - Typical performance - not guaranteed values

Winding: 12WGY872-R001	Type: 1264M	Enclosure: TEFC
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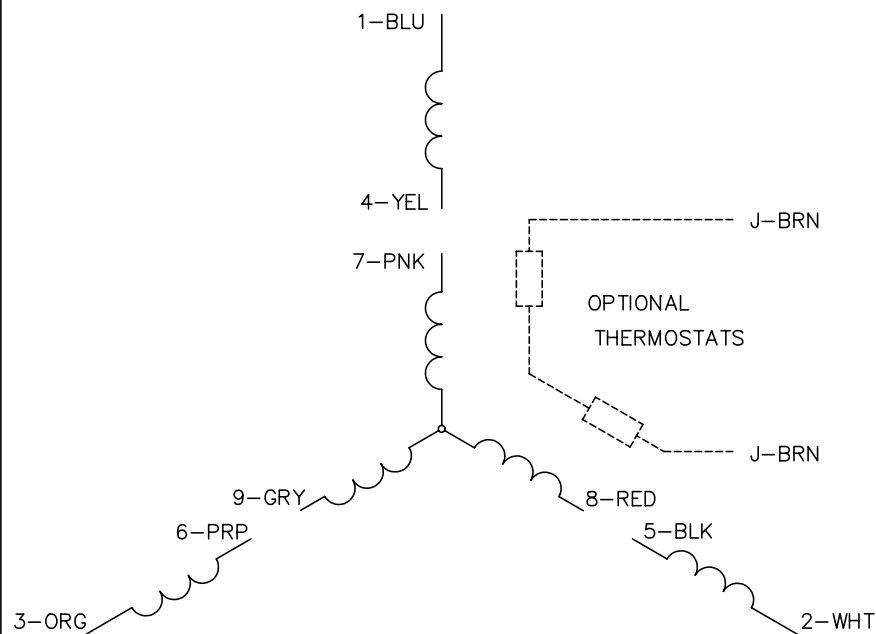
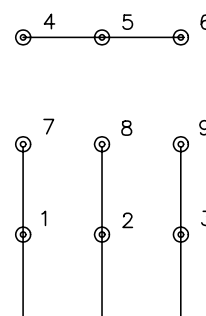
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40			Full Load Torque	118 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	98/49			Breakdown Torque	313 LB-FT
R.P.M.	1775			Pull-up Torque	202 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	289 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	304 A
Service Factor (S.F.)	1.25			No-load Current	19.5 A
NEMA Nom. Eff.	94.1	Power Factor	81	Line-line Res. @ 25°C	0.14 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps	122/61			Temp. Rise @ S.F. Load	76°C
				Locked-rotor Power Factor	30
				Rotor inertia	8.49 LB-FT ²

Load Characteristics 460 V, 60 Hz, 40 HP

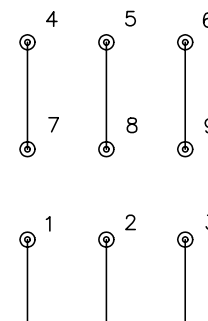
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	67	77	81	82	82	82
Efficiency	89.8	93.7	94.3	94.2	93.4	93	93.6
Speed	1794	1790	1784	1779	1771	1763	1772
Line amperes	22.6	29.7	38.7	49.2	60.7	73.8	60.7



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