

BALDOR® • RELIANCE

Product Information Packet

EM2402T

10HP,880RPM,3PH,60HZ,284T,1046M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1046M	Elec. Spec:	10WGZ392	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10C151	Layout:	10LYC151
Frame:	284T	Mounting:	F1	Poles:	08	Created Date:	04-06-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-08-2016
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2138L

CAT.NO.	EM2402T		P/N			ENCLOSURE	TEFC	
SPEC.	10C151Z392G1	CC	010A	FRAME	284T	S/N		
HP	10		CLASS	F	HZ	60		
RPM	880		PH	3	DES	B		
VOLT	230/460				KVA-CODE	H	ODE BRG	6309
AMP	29.2/14.6		USABLE AT 208V		30	DE BRG		
RATING	40C AMB-CONT		GREASE		POLYREX EM			
NEMA-NOM-EFF	89.5	PF	71	SER.F.	1.15			
HTR-VOLTS			HTR-AMPS			MAX. SPACE HEATER TEMP.		

Parts List		
Part Number	Description	Quantity
SA296440	SA 10C151Z392G1	1.000 EA
RA282480	RA 10C151Z392G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB3000	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
10EP1106A01	FR ENDPLATE, MACH	1.000 EA
10XN3816K32	BOLT, 3/8-16X2 HH YZ(5)	4.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 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
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
10FH4000	310 FAN HOUSING STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	4.000 EA
10CB3500	CONDUIT BOX LID, CAST	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10GS1000	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X .28 VITON	1.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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
09FN3001C02	EXTERNAL FAN, PLASTIC	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.125 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 49978 - Typical performance - not guaranteed values

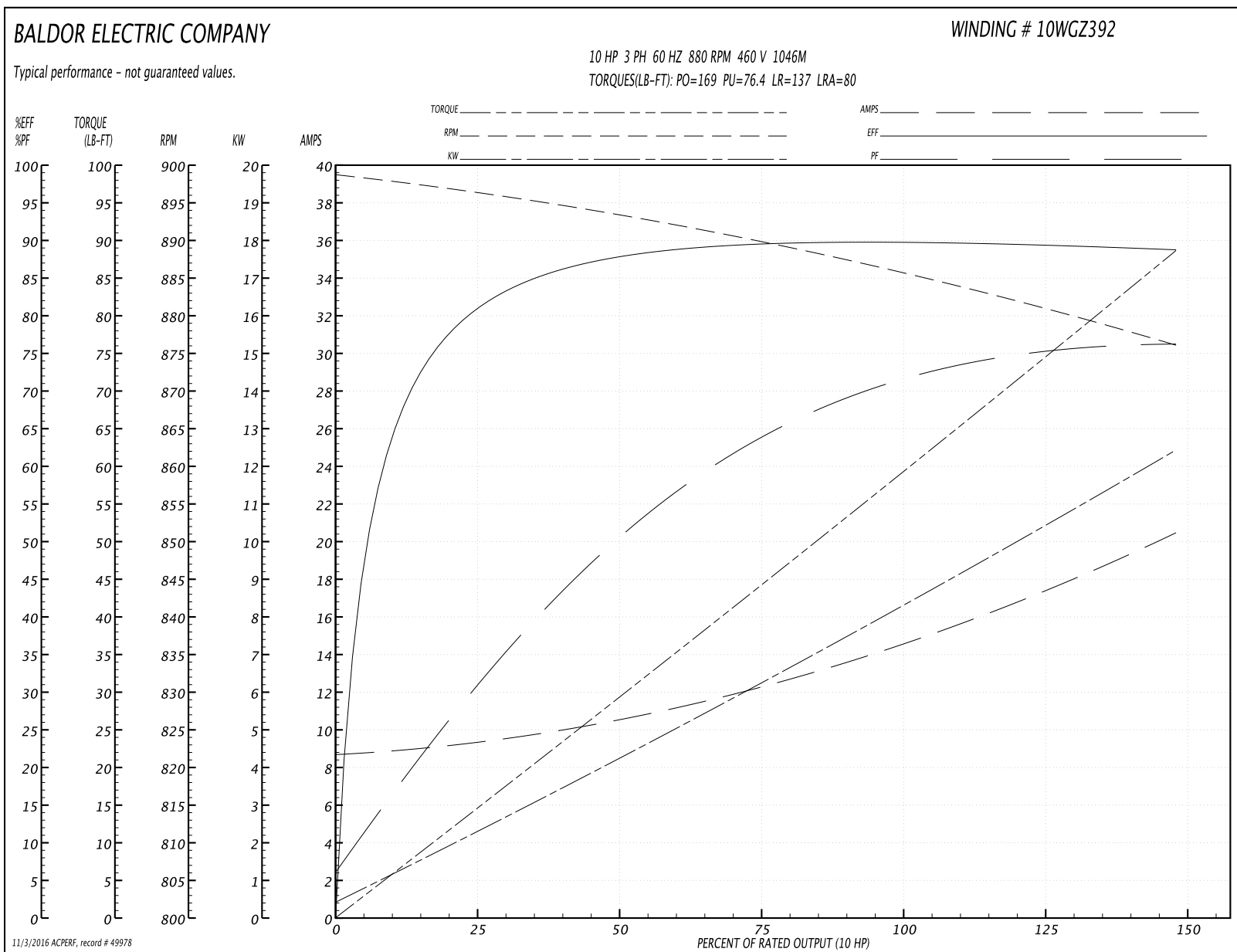
Winding: 10WGZ392-R001	Type: 1046M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	59.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	29.2/14.6			Breakdown Torque	169 LB-FT
R.P.M.	880			Pull-up Torque	76.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	137 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	80 A
Service Factor (S.F.)	1.15			No-load Current	8.76 A
NEMA Nom. Eff.	89.5	Power Factor	71	Line-line Res. @ 25°C	0.956 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C
				Rotor inertia	5.67 LB-FT ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	71	75	77	73
Efficiency	81	87.8	89.5	89.8	89.6	88.7	89.7
Speed	896	893	890	886	881	876	883
Line amperes	9.23	10.6	12.3	14.6	17.4	20.4	16.3

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





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

REV. DESC: ADD CG PER 10C151Y561G1		
REV. LTR: L	VERSION: 08	TDR: 000000963300
FILE: \AAA\00014\809	REVISED: 04:55:12 01/27/2016	BY: ENROBMO
MTL: -		

BALDOR.

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