

BALDOR® • RELIANCE

Product Information Packet

ECTM4100T

15 AIR OVERHP,1180RPM,3PH,60HZ,284T,1042

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1042M	Elec. Spec:	10WGY709	CD Diagram:	CD0180
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	10G189	Layout:	10LYG189
Frame:	284T	Mounting:	F1	Poles:	06	Created Date:	04-22-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-27-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1260E									
CAT.NO.	ECTM4100T								
SPEC.	10G189Y709G1								
HP	15 AIR OVER								
VOLTS	230/460								
AMP	40/20								
RPM	1180								
FRAME	284T	HZ			60	PH		3	
SER.F.	1.15	CODE			G	DES		B	CL
NEMA-NOM-EFF	91.7	PF			75				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			42				
DE	6311	ODE			6309				
ENCL	TEAO	SN							
	2050 FPM @ 520CFM								

Parts List		
Part Number	Description	Quantity
SA193944	SA 10G189Y709G1	1.000 EA
RA181538	RA 10G189Y709G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB1000A132P	SPL KOBX W/1.50 NPT LD & 2 .125 NPT DRAI	1.000 EA
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 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
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
10EP1104A25P	FR EP. MACH W/EPOXY PRIMER LESS GREASER	1.000 EA
HA7205	"L" SHAPE LIFTING LUG FOR 37,39 & 40 FRA	2.000 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
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10EP1105A15P	PU EP. MACH W/EPOXY PRIMER, LESS GREASER	1.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW4600B40	V-RING SLINGER 2.000 X 2.680 X 0.280	1.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	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

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.031 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.026 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1260E	SS CP SUPER-E UL CSA CC	1.000 EA
10PA1000	PACKAGING GROUP COMBINED PRINT PK1023A06	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 30925 - Typical performance - not guaranteed values

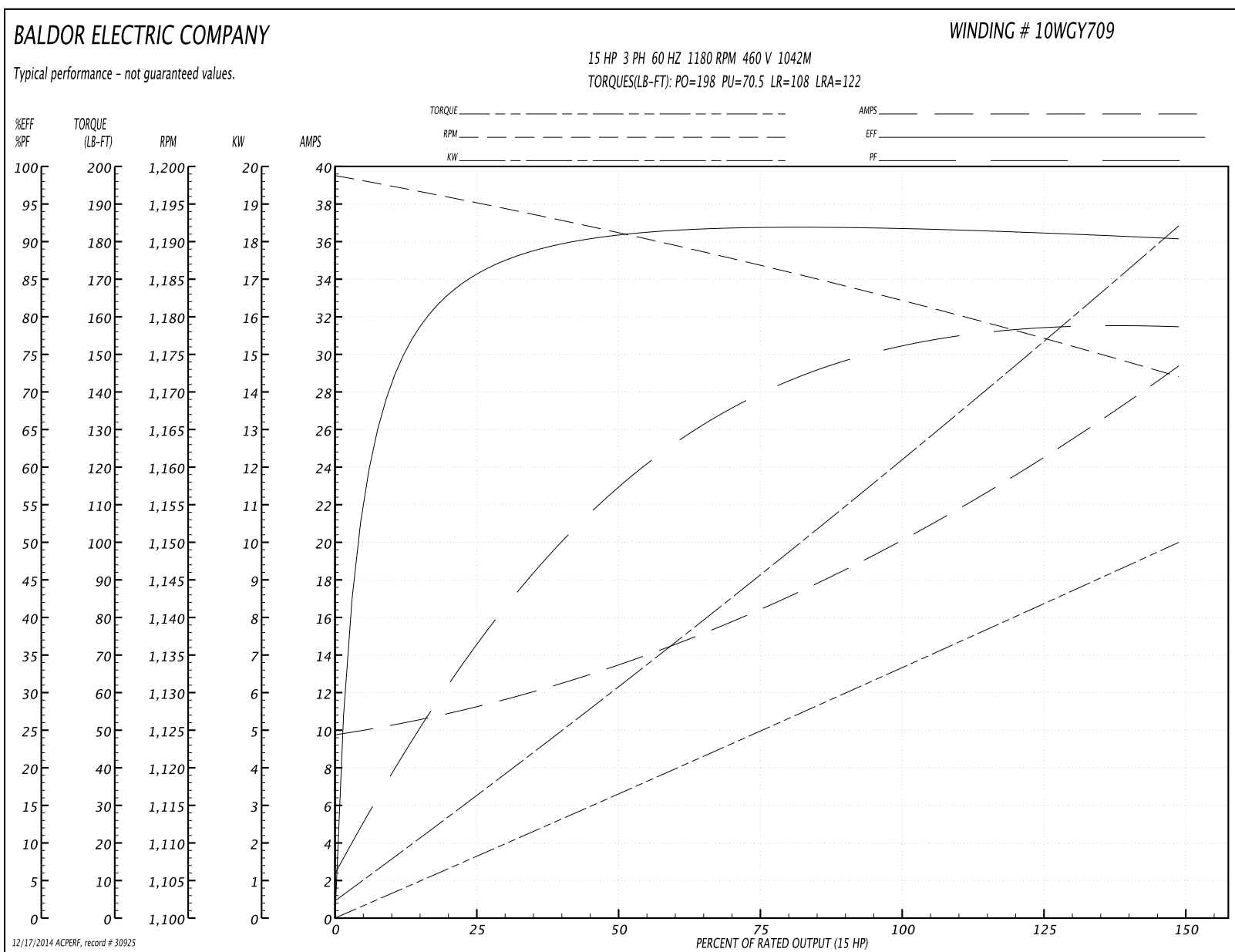
Winding: 10WGY709-R001	Type: 1042M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	65.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	40/20			Breakdown Torque	198 LB-FT
R.P.M.	1180			Pull-up Torque	70.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	108 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	122 A
Service Factor (S.F.)	1.15			No-load Current	10 A
NEMA Nom. Eff.	91.7	Power Factor	75	Line-line Res. @ 25°C	0.618 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C
S.F. Amps				Temp. Rise @ S.F. Load	58°C
				Rotor inertia	5.14 LF ²

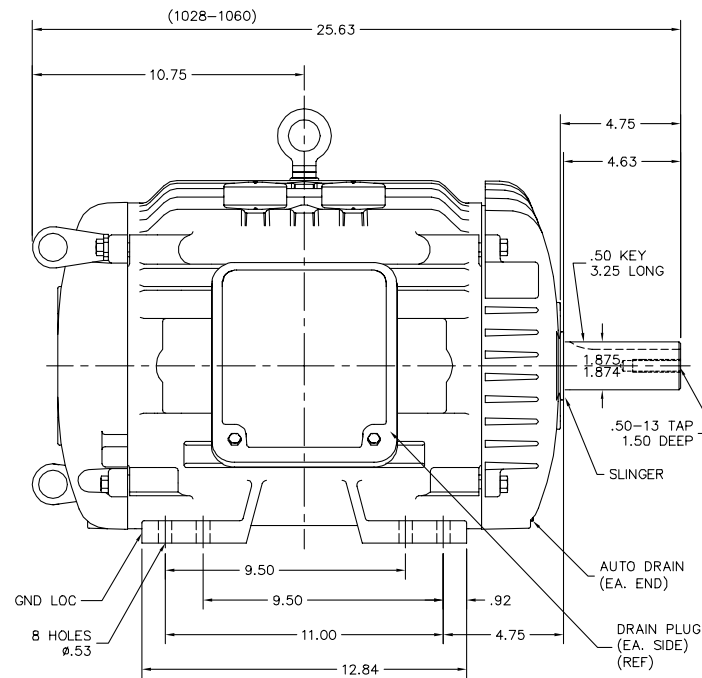
Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	69	75	78	79	77
Efficiency	85.2	90.6	92	91.8	91.3	90.3	91.5
Speed	1195	1191	1187	1183	1177	1172	1179
Line amperes	11	13.1	16.4	20.2	24.5	29.2	22.8

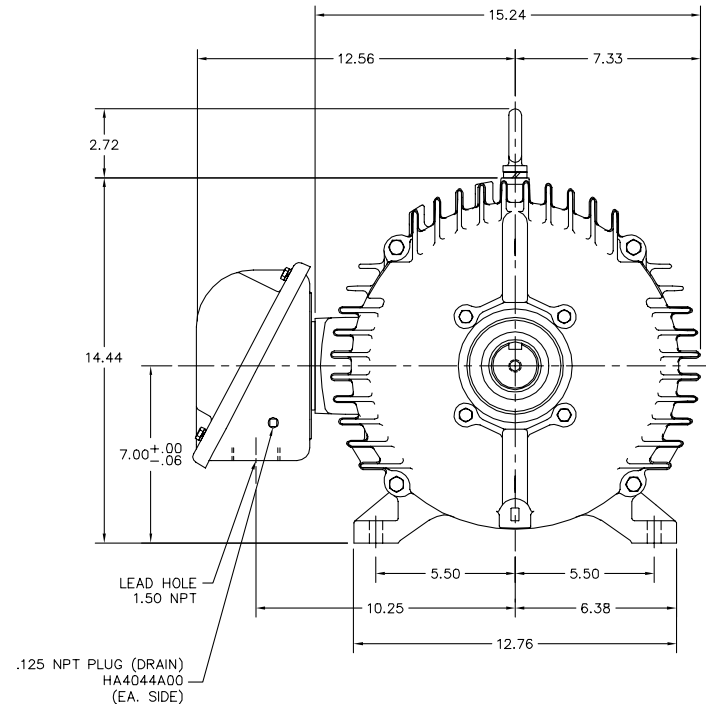
Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



10LYG189



CUSTOMER ONLY NOTE: FOR VERTICAL SHAFT UP LIFTING, REMOVE EYEBOLT FROM TOP OF MOTOR AND SCREW INTO END OF SHAFT.



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

REV. DESC: UPDATE KBOX LID TO MATCH BOM	VERSION: 07	TDR: 000000862980
REV. LTR: G	REvised: 08:09:29 07/17/2014	BY: ENNINDO
FILE: \AAA\00133\696		
MTL: -		

BALDOR

HORZ TEAO 284-6T CP, COOLING TOWER MTR, SLD BRGS, VERT LIFT
SH 1 of 1

68LYG189

