

BALDOR® • RELIANCE

Product Information Packet

ECTM4110T

40 AIR OVERHP,1775RPM,3PH,60HZ,324T,1254

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1254M	Elec. Spec:	12WGY276	CD Diagram:	CD0180
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	12H727	Layout:	12LYH727
Frame:	324T	Mounting:	F1	Poles:	04	Created Date:	08-17-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-04-2017
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1260E											
CAT.NO.	ECTM4110T										
SPEC.	12H727Y276G1										
HP	40 AIR OVER										
VOLTS	230/460										
AMP	96/48										
RPM	1775										
FRAME	324T					HZ	60			PH	3
SER.F.	1.15			CODE	H		DES	A	CL	F	
NEMA-NOM-EFF	94.1			PF	82						
RATING	40C AMB-CONT										
CC							USABLE AT 208V	102			
DE	6312					ODE	6311				
ENCL	TEAO			SN							
	2050 FPM @ 520CFM										

Parts List		
Part Number	Description	Quantity
SA306344	SA 12H727Y276G1	1.000 EA
RA293589	RA 12H727Y276G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB1000A131E	SPL KOBX 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
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 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
12EP1107B02P	FREP TEFC 324-6T; EPOXY PRI	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
HA7204	"L" SHAPE LIFTING LUG FOR 42 FRAME MOTOR	2.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
12EP1106A91E	PUEP,MACH W/E-COAT, LIP SEAL, LESS GRSRS	1.000 EA
HW4600B37	SEAL 2.250 X 3.000 X .375 SINGLE LIP	1.000 EA
HW4600G55	DOME SLINGER, 7.125 OD X 2.120/2.060 ID	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
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

Parts List (continued)		
Part Number	Description	Quantity
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
HA1005A06	SLINGER, OD 3.62, ID 2.15	1.000 EA
HW2501H33	KEY, 1/2 SQ X 3.875	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 QT
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.030 EA
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
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	2.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	3.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.200 LB
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	3.000 EA
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP1260E	SS CP SUPER-E UL CSA 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
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

AC Induction Motor Performance Data

Record # 35502 - Typical performance - not guaranteed values

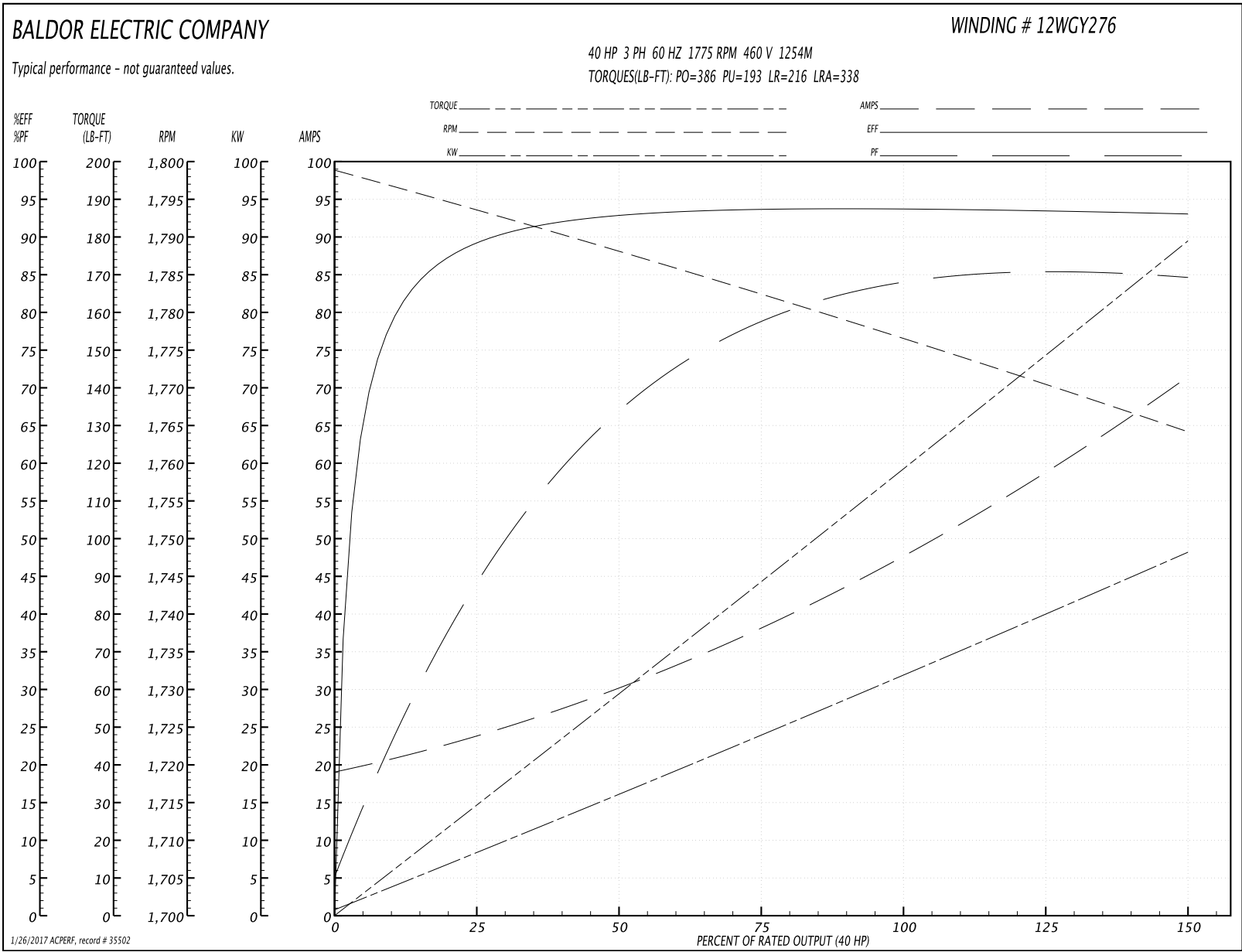
Winding: 12WGY276-R003	Type: 1254M	Enclosure: TEAO
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40 AIR OVER			Full Load Torque	118 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	96/48			Breakdown Torque	386 LB-FT
R.P.M.	1775			Pull-up Torque	193 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	216 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	338 A
Service Factor (S.F.)	1.15			No-load Current	19.9 A
NEMA Nom. Eff.	94.1	Power Factor	82	Line-line Res. @ 25°C	0.14898 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	64°C
				Locked-rotor Power Factor	27
				Rotor inertia	7.19 LB-FT ²

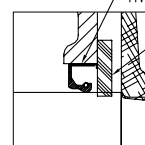
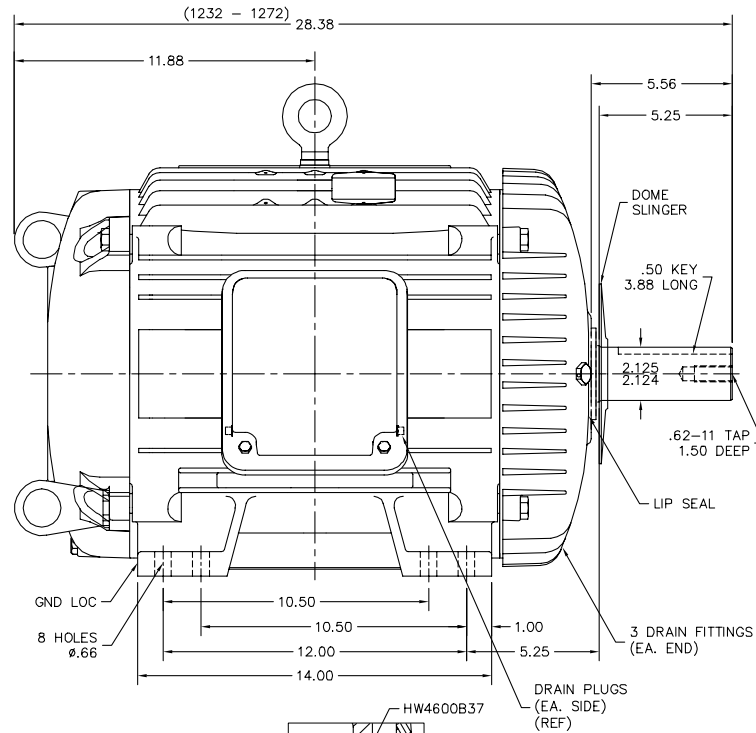
Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	69	78	82	85	85	84
Efficiency	90.1	93.5	94.2	94.2	93.8	93.1	94
Speed	1793.5	1788	1782.5	1776.6	1770.7	1764.1	1773
Line amperes	22.9	29.5	38.4	48.1	59.2	70.8	54.8

Performance Graph at 460V, 60Hz, 40.0HP Typical performance - Not guaranteed values



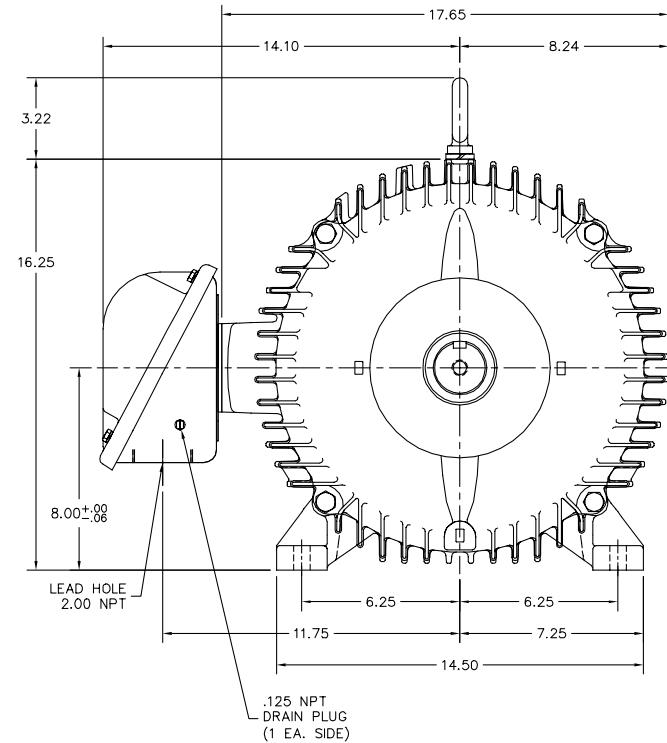
12LYH727



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: REMOVE LOCKNUT	VERSION: 01	TDR: 000000957007
REV. LTR: A	REvised: 02: 37: 31 12/11/2015	BY: ENMARSO
FILE: \AAA\00220\831		
MTL: -		



12LYH727

BALDOR

HOR TEAO 324-6T CP COOLING TOWER,SLD BRGS,SEAL,DOME,VER LIFT
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