

BALDOR® • RELIANCE

Product Information Packet

OF3325T

25HP,1120RPM,3PH,60HZ,324T,4244M,OPSB,F2

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4244M	Elec. Spec:	42WGW917	CD Diagram:	CD0321
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	42F82	Layout:	42LYF082
Frame:	324T	Mounting:	F2	Poles:	06	Created Date:	06-13-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-05-2017
Leads:	12#8 ML4400B08					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2961E

CAT.NO.	OF3325T				
SPEC.	42F082W917				
HP	25				
VOLTS	230/460/796				
AMP	70/35/20				
RPM	1120				
FRAME	324T	HZ	60	PH	3
SER.F.	1.15	CODE	G	DES	D
NEMA-NOM-EFF	85.5	PF	79	CLASS	F
RATING	40C AMB-CONT				
CC	USABLE AT 208V				
DE	6312	ODE	6311		
ENCL	OPSB	SN			

Parts List		
Part Number	Description	Quantity
SA225491	SA 42F082W917	1.000 EA
RA212587	RA 42F082W917	1.000 EA
HA6360	LIFTING LUG FOR 42 FRAME MOTORS.	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB1000A04SP	CONDUIT BOX, MACH	1.000 EA
10GS1001	GASKET CONDUIT BOX NEOP	1.000 EA
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	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
42EP1201A01	FR ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA1103A07	42-40 RODENT SCREEN	1.000 EA
12XN0832A12	8-32 X 3/4 HEX HD SCREW	2.000 EA
12XN0832A06	8-32 X 3/8 HEX HD SCREW	1.000 EA
HW1000A08	#8 SAE FLAT WASHER	1.000 EA
HW1000A08	#8 SAE FLAT WASHER	2.000 EA
HA1103A07	42-40 RODENT SCREEN	1.000 EA
12XN0832A06	8-32 X 3/8 HEX HD SCREW	1.000 EA
HW1000A08	#8 SAE FLAT WASHER	1.000 EA
12XN0832A12	8-32 X 3/4 HEX HD SCREW	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1000A08	#8 SAE FLAT WASHER	2.000 EA
XY0832A02	8-32 HEX NUT	2.000 EA
HW5100A13	W4627-047 WVY WSHER	1.000 EA
42EP1201A03	PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY0832A02	8-32 HEX NUT	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
XY5013A12	NUT, 1/2-13, HEX, STEEL, ZINC PLATED	8.000 EA
10CB1500A01SP	CONDUIT BOX LID, MACH	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
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MG1025G03	WILKOFASST, 789.901, OIL RIG SILVER	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
42AD2001B01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA
42AD2001B01	BAFFLE PLATE 42 OPEN, SLOTTED BAND MTRS	1.000 EA

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HA3151A02	THRUBOLT STUD 1/2-13 X 19.25	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0321	CONNECTION LABEL	1.000 EA
NP2961E	ALUM CSA CC	1.000 EA
42PA1000	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 # 34424 - Typical performance - not guaranteed values

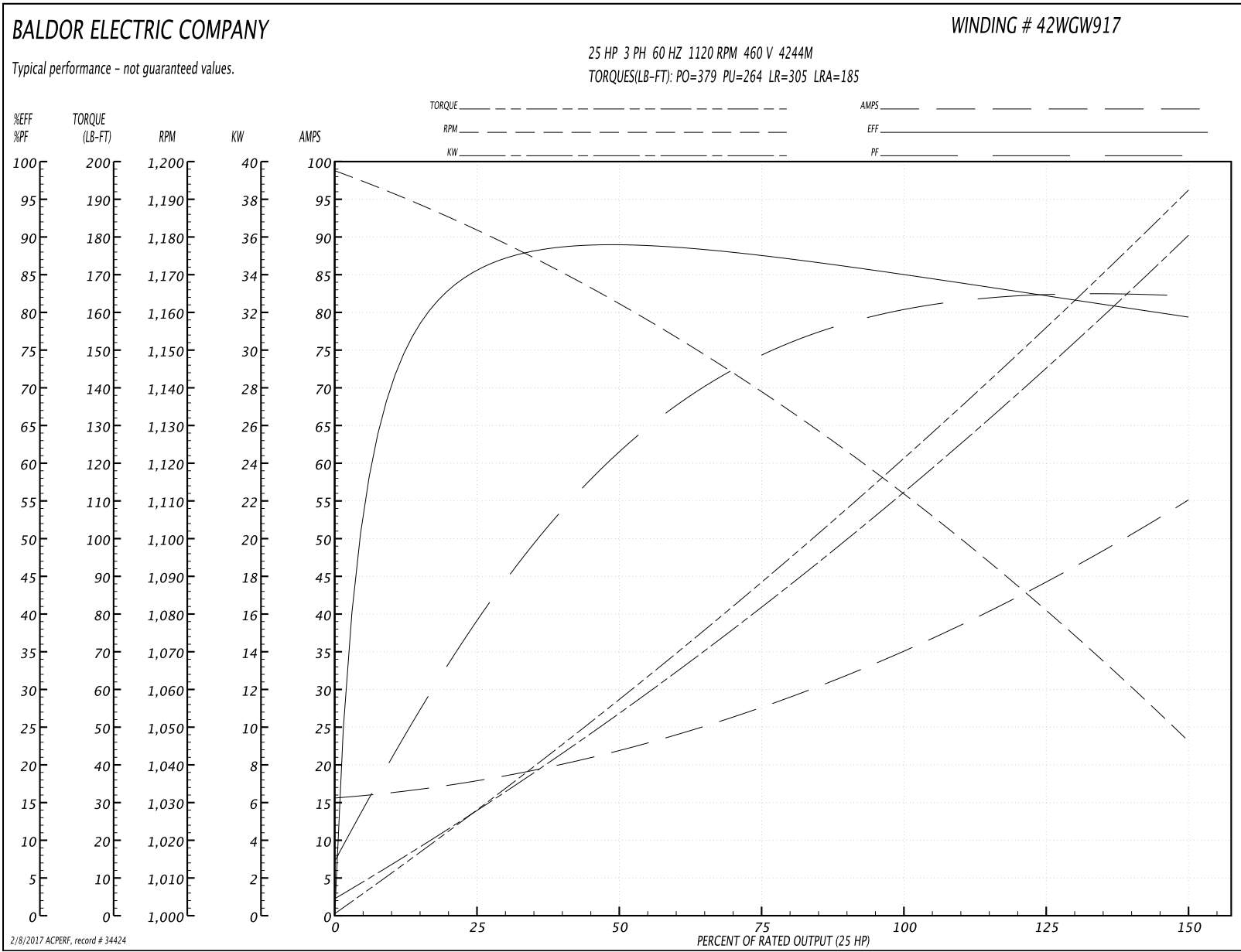
Winding: 42WGW917-R001	Type: 4244M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	25			Full Load Torque	117 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	70/35/20			Breakdown Torque	379 LB-FT
R.P.M.	1120			Pull-up Torque	264 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	305 LB-FT
NEMA Design Code	D	KVA Code	G	Starting Current	185 A
Service Factor (S.F.)	1.15			No-load Current	16.1 A
NEMA Nom. Eff.	85.5	Power Factor	79	Line-line Res. @ 25°C	0.308 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C

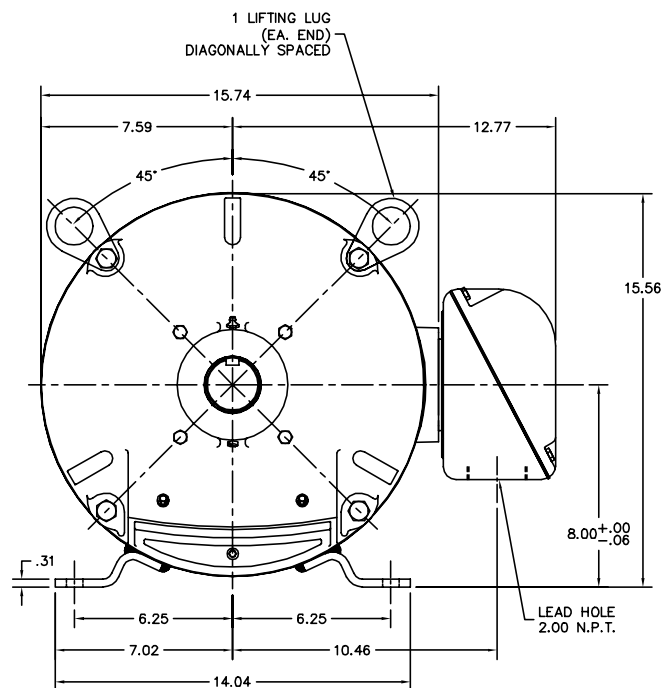
Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	62	73	79	81	83	80
Efficiency	83.6	87.4	87.5	86.2	83	79.1	84.3
Speed	1181	1162	1141	1117	1087	1045	1099
Line amperes	17.1	21.4	27.3	34.3	43	54.9	39.5

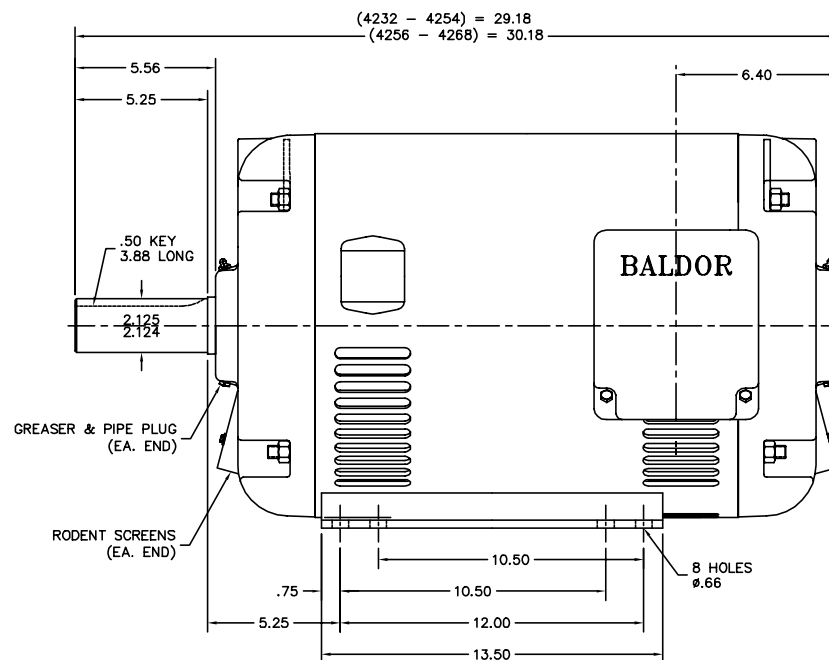
Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



42LYF082



OIL FIELD PUMP DUTY



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: ADD GASKETS	
REV. LTR: G BY: JIM	REVISED: 16:39:21 05/21/2003 TDR: 302187
FILE: AAA00014141	REF: 42LYF082
MTL: -	

BALDOR ELECTRIC Co.

HOR OPSB 324-6T OFP F2

42LYF082

