ABB BALDOR RELIANCE

Customer information packet

OF4117T

30HP, 1125RPM, 3PH, 60HZ, 326T, 1262M, TEFC, F2
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	326T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	796.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	22.500 A @ 796.0 V
	39.000 A @ 460.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	22.5 a

Part Detail

Revision	Q
Type	AC
Mech. spec.	12E383
Base	
Status	INA/A
Elec. spec.	12WGY236
Layout	12LYE383
Eff. date	01-30-2019
CD Diagram	CD0022
Poles	06
Leads	6#8 ML4400B08
Proprietary	False
Created date	01-28-2010

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1262M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	30.27 IN
Power Factor	83
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1125 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	NONE (OLD)
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2961E								
CAT.NO.								
SPEC.	12E383Y236							
HP	30							
VOLTS	460/796							
AMP	39/22.5							
RPM	1125							
FRAME	326T	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	G	**DES**	D	**CLASS**	F	
NEMA-NOM-EFF	88.5	**PF**	83					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**		N/A		
DE	6312	**ODE**	6311					
ENCL	TEFC	**SN**						

NP0090E	
FRONT	6311
PULLEY	6312
LUBRICATE WITH	
GREASE	POLYREX EM

Accessories

Part number	Description	Multiplier
12-1105	C FACE KIT	A8
12EP1501A03SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 31315
Typical performance - not guaranteed values

Winding: 12WGY236-R001	**Type:** 1262M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			30	**Full Load Torque**	140 LB-FT
Volts			460/796	**Start Configuration**	direct on line
Full Load Amps			39/22.5	**Breakdown Torque**	460 LB-FT
R.P.M.			1125	**Pull-up Torque**	267 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	370 LB-FT
NEMA Design Code	D	**KVA Code**	G	**Starting Current**	234 A
Service Factor (S.F.)			1.15	**No-load Current**	16.1 A
NEMA Nom. Eff.	88.5	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.211 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	87°C
S.F. Amps				**Temp. Rise @ S.F. Load**	110°C

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	49	69	78	83	84	85	84
Efficiency	83.1	88	88.1	86.9	85	81.9	85.8
Speed	1182	1165	1147	1125	1100	1066	1110
Line amperes	17.7	23.4	30.7	39.1	49	62.7	45

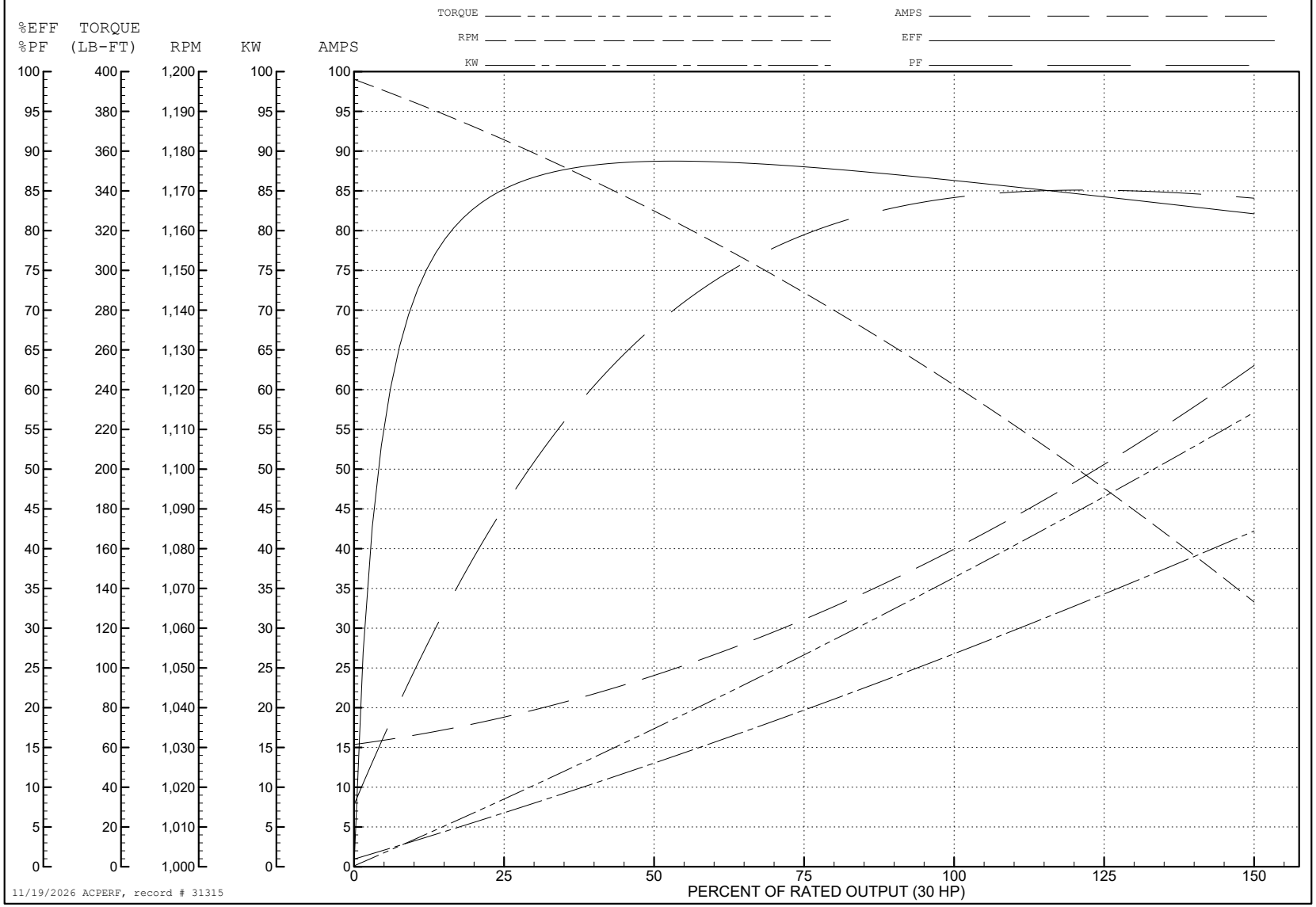
ABB Motors and Mechanical Inc.

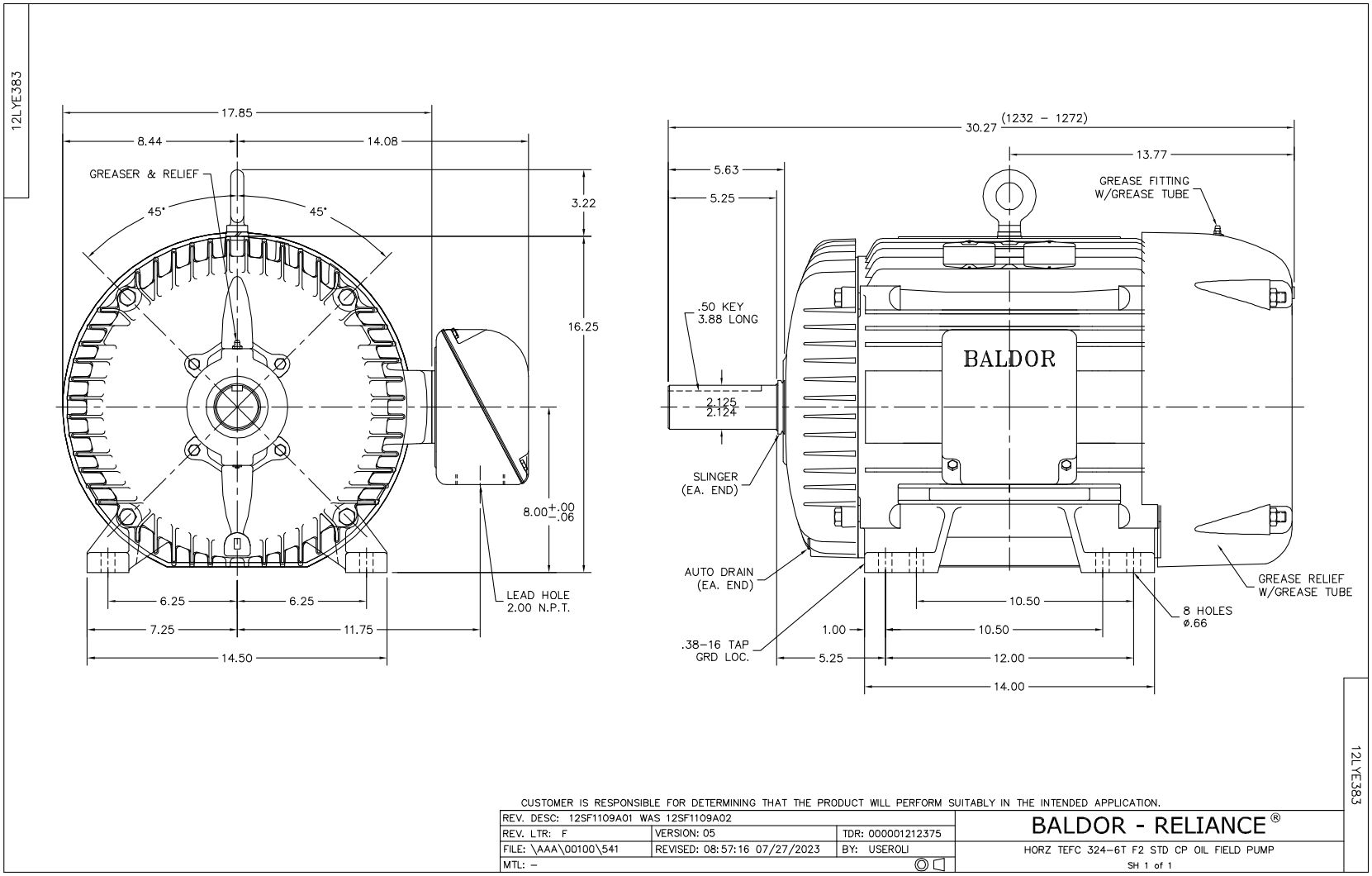
WINDING # 12WGY236

30 HP 3 PH 60 HZ 1125 RPM 460 V 1262M

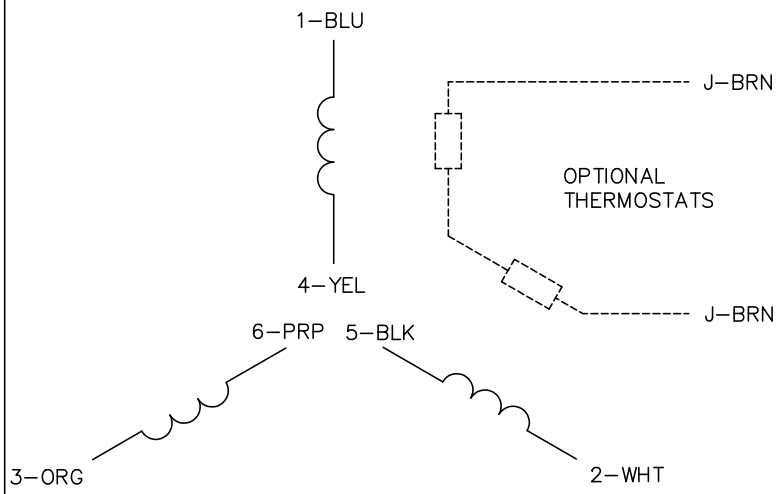
Typical performance - not guaranteed values.

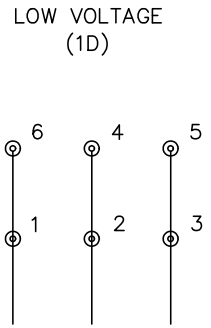
TORQUES(LB-FT): PO=460 PU=267 LR=370 LRA=234

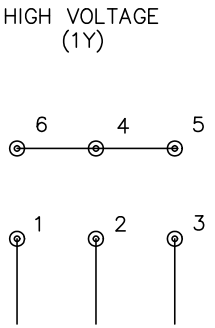



12LYE383
17.85
8.44
14.08
GREASER & RELIEF
45°
45°
3.22
16.25
8.00 +.00 −.06
LEAD HOLE
2.00 N.P.T.
6.25
6.25
7.25
11.75
14.50
30.27 (1232 – 1272)
13.77
5.63
5.25
GREASE FITTING
W/GREASE TUBE
.50 KEY
3.88 LONG
BALDOR
2.125
2.124
SLINGER
(EA. END)
AUTO DRAIN
(EA. END)
GREASE RELIEF
W/GREASE TUBE
10.50
8 HOLES
ø.66
1.00
10.50
.38–16 TAP
GRD LOC.
5.25
12.00
14.00
12LYE383
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: 12SF1109A01 WAS 12SF1109A02
REV. LTR: F
VERSION: 05
TDR: 000001212375
FILE: \AAA\00100\541
REVISED: 08:57:16 07/27/2023
BY: USEROLI
MTL: –
BALDOR - RELIANCE®
HORZ TEFC 324–6T F2 STD CP OIL FIELD PUMP
SH 1 of 1

CD0022







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			BALDOR ELECTRIC Co.
REV. LTR: F	BY: JLP	REVISED: 01/21/99 3:54	TDR: 0171435
CD0022		FILE: AAA00005144	MDL: –
		MTL: –	3PH, DV, 6 LEADS, DELTA/WYE CONNECTION

CD0022