ABB BALDOR RELIANCE

Customer information packet

OF4100T

15HP, 1125RPM, 3PH, 60HZ, 284T, 1048M, TEFC, F2
Class - None
Division - Not Applicable

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11/14/2026 9:11:32 AM

Specifications

Enclosure	TEFC
Frame	284T
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	796.0 V @ 60 HZ
	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	40.000 A @ 230.0 V
	20.000 A @ 460.0 V
	11.600 A @ 796.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AH
Type	AC
Mech. spec.	10F492
Base	
Status	INA/A
Elec. spec.	10WGY143
Layout	10LYF492
Eff. date	01-30-2019
CD Diagram	CD0321
Poles	06
Leads	12#12 ML2600A12
Proprietary	False
Created date	01-09-2006

Heater Indicator	No Heater
High Voltage Full Load Amps	11.6 a
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	12 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1048M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	27.56 IN
Power Factor	81
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	1.875 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.	10F492Y143G1							
HP	15							
VOLTS	230/460/796							
AMP	40/20/11.6							
RPM	1125							
FRAME	284T	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	G	**DES**	D	**CLASS**	F	
NEMA-NOM-EFF	87.5	**PF**	81					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**		N/A		
DE	6311	**ODE**	6309					
ENCL	TEFC	**SN**						

NP0090E	
FRONT	6309
PULLEY	6311
LUBRICATE WITH	
GREASE	POLYREX EM

Accessories

Part number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 22092
Typical performance - not guaranteed values

Winding: 10WGY143-R001	**Type:** 1048M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: 2nd Voltage Connection**	
Rated Output (HP)			15	**Full Load Torque**	69.3 LB-FT
Volts			230/460/796	**Start Configuration**	direct on line
Full Load Amps			40/20/11.6	**Breakdown Torque**	250 LB-FT
R.P.M.			1125	**Pull-up Torque**	140 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	185 LB-FT
NEMA Design Code	D	**KVA Code**	G	**Starting Current**	119 A
Service Factor (S.F.)			1.15	**No-load Current**	9.5 A
NEMA Nom. Eff.	87.5	**Power Factor**	81	**Line-line Res. @ 25ºC**	0.567 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	69°C
S.F. Amps				**Temp. Rise @ S.F. Load**	88°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	43	65	75	81	83	84	82
Efficiency	83.5	88.2	88.5	87.5	85.5	82.9	86.3
Speed	1183	1167	1150	1130	1108	1081	1117
Line amperes	9.66	12.3	15.7	20.2	24.6	30	22.7

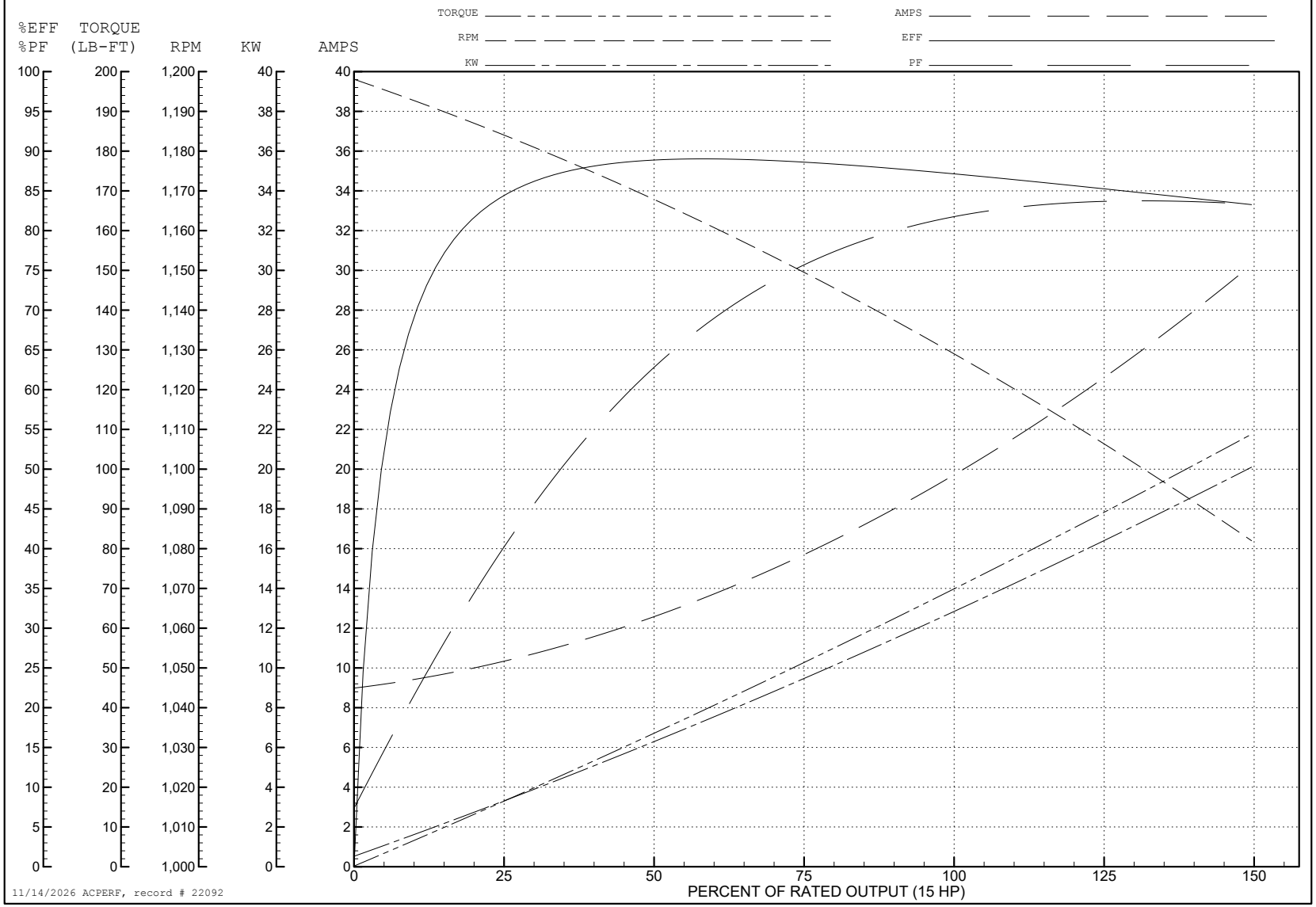
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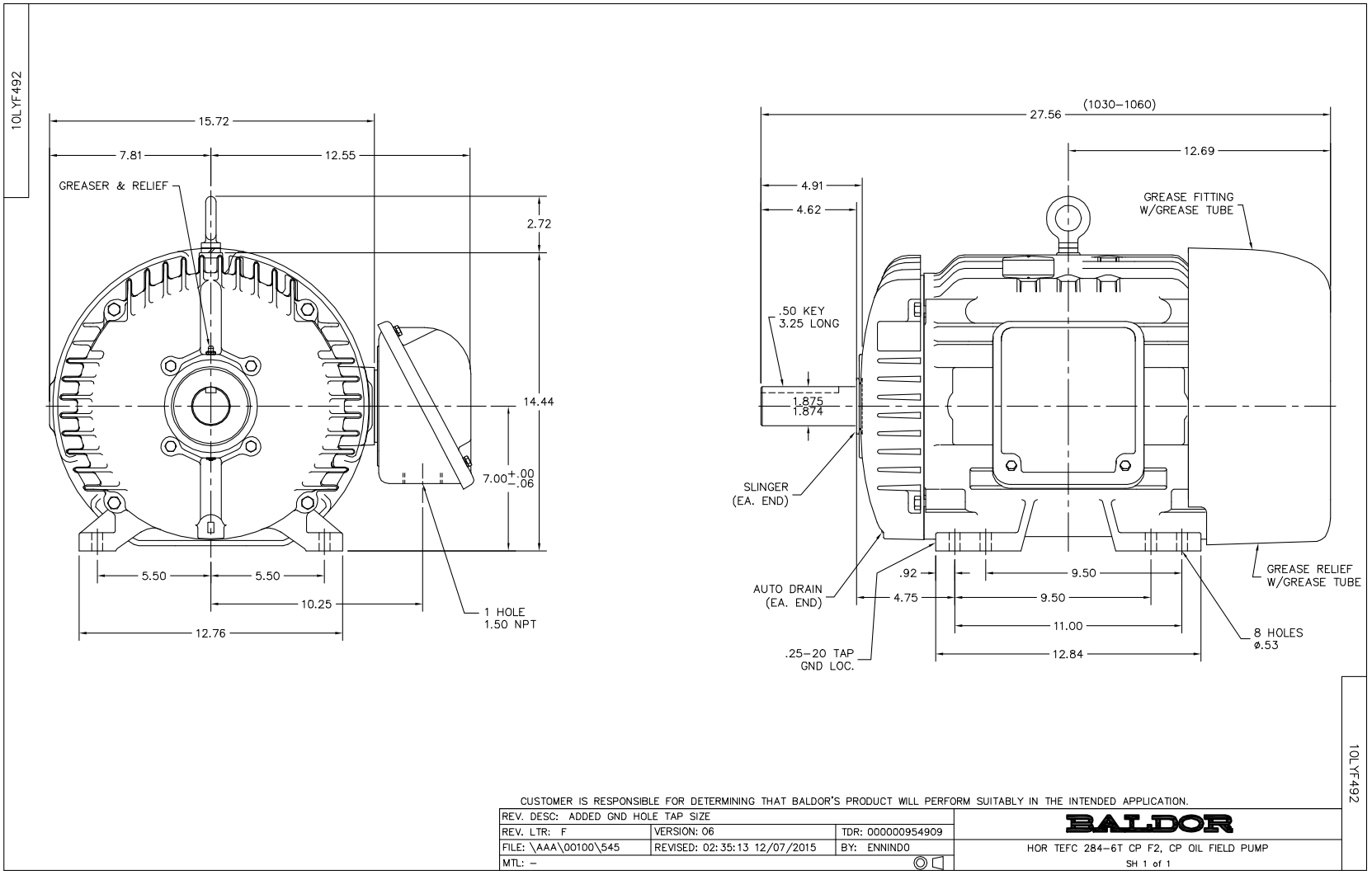
WINDING # 10WGY143

15 HP 3 PH 60 HZ 1125 RPM 460 V 1048M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=250 PU=140 LR=185 LRA=119





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

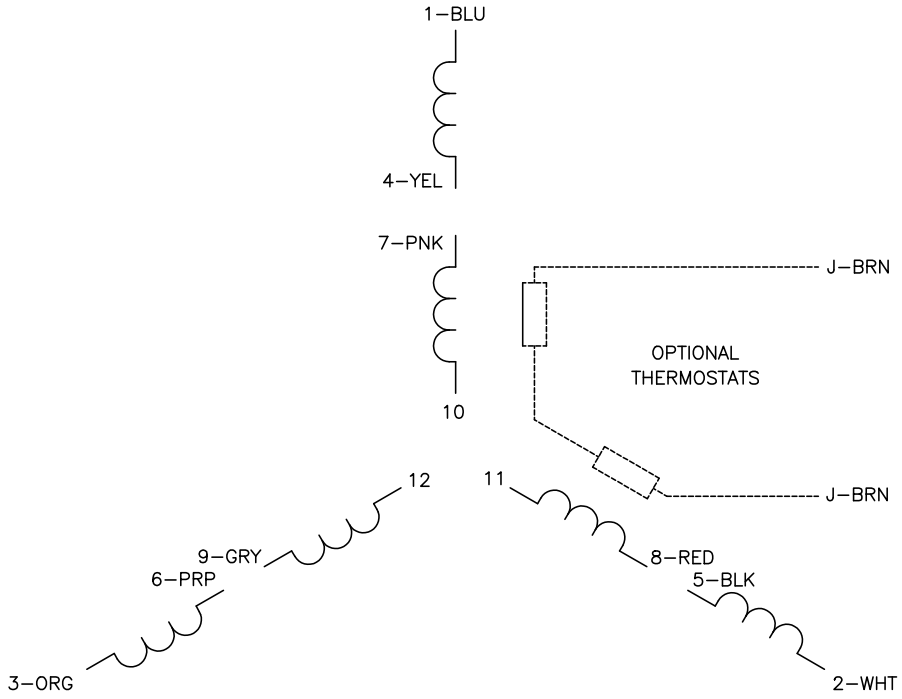
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MTL: –		

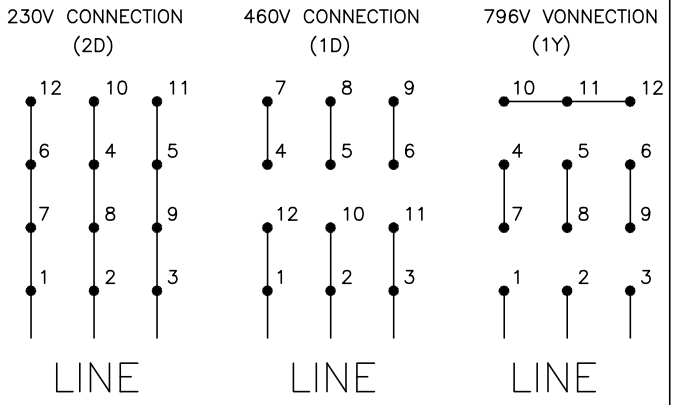
BALDOR

HOR TEFC 284–6T CP F2, CP OIL FIELD PUMP

SH 1 of 1

CD0321





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 MARKED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:17	TDR: 0171435
CD0321		FILE: AAA00008378	MDL: –
		MTL: –	3PH, TV, 12 LEADS, 2D/1D/1Y, OIL FIELD PUMPERS

CD0321