ABB BALDOR RELIANCE

Customer information packet

OF2276T

7.5HP, 1125RPM, 3PH, 60HZ, 254T, 0932M, TEFC
Class - None
Division - Not Applicable

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11/14/2026 8:47:34 AM

Specifications

Enclosure	TEFC
Frame	254T
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	7.500 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	7.500 A @ 796.0 V
	25.800 A @ 230.0 V
	12.900 A @ 460.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AL
Type	AC
Mech. spec.	09F945
Base	
Status	INA/A
Elec. spec.	09WGY655
Layout	09LYF945
Eff. date	04-21-2023
CD Diagram	CD0321
Poles	06
Leads	12#12 ML4400B12 Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	7.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
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	0932M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	23.55 IN
Power Factor	67
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 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
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor

Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2960								
CAT.NO.								
SPEC.	09F945Y655							
HP	7.5							
VOLTS	230/460/796							
AMP	25.8/12.9/7.5							
RPM	1125							
FRAME	254T	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	D	**CL**	F	
NEMA-NOM-EFF	84	**PF**	67					
RATING	40C AMB-CONT							
CC				**USABLE AT 208V**		N/A		
DE	6309	**ODE**	6208					
ENCL	TEFC	**SN**						

NP0090	
FRONT	6208
PULLEY	6309
LUBRICATE WITH	
GREASE	POLYREX EM

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 26092
Typical performance - not guaranteed values

Winding: 09WGY655-R001	**Type:** 0932M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: 2nd Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	34.6 LB-FT
Volts			230/460/796	**Start Configuration**	direct on line
Full Load Amps			25/12.5/7.4	**Breakdown Torque**	148 LB-FT
R.P.M.			1125	**Pull-up Torque**	101 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	114 LB-FT
NEMA Design Code	D	**KVA Code**	H	**Starting Current**	66 A
Service Factor (S.F.)			1.15	**No-load Current**	8.67 A
NEMA Nom. Eff.	84	**Power Factor**	67	**Line-line Res. @ 25ºC**	1.11 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	70°C
S.F. Amps				**Temp. Rise @ S.F. Load**	85°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	45	57	65	71	74	69
Efficiency	70.7	79.9	82.6	82.8	81.7	79.8	82.1
Speed	1185	1171	1154	1135	1114	1089	1122
Line amperes	8.83	9.74	11.1	12.9	15.2	17.8	14.3

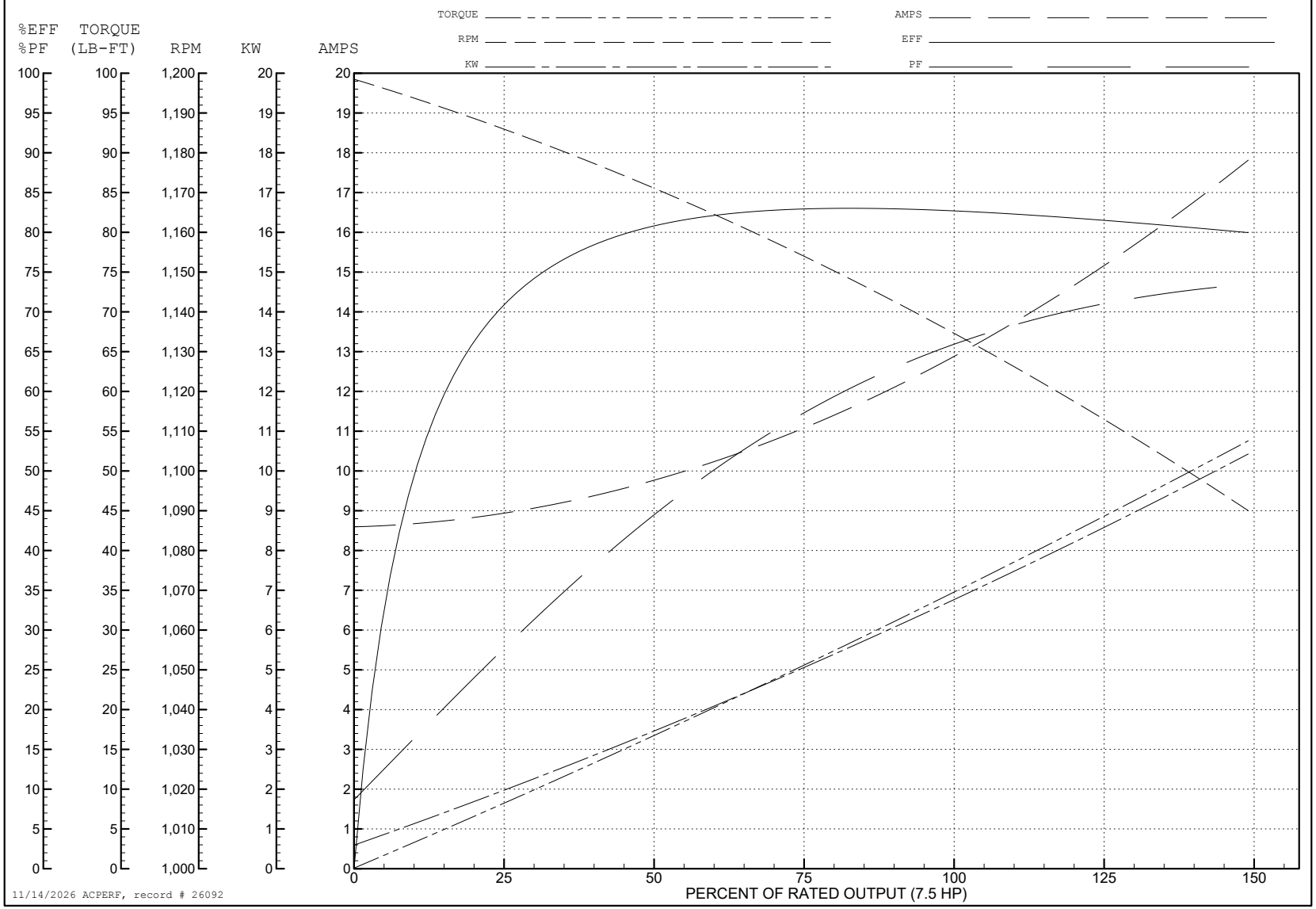
ABB Motors and Mechanical Inc.

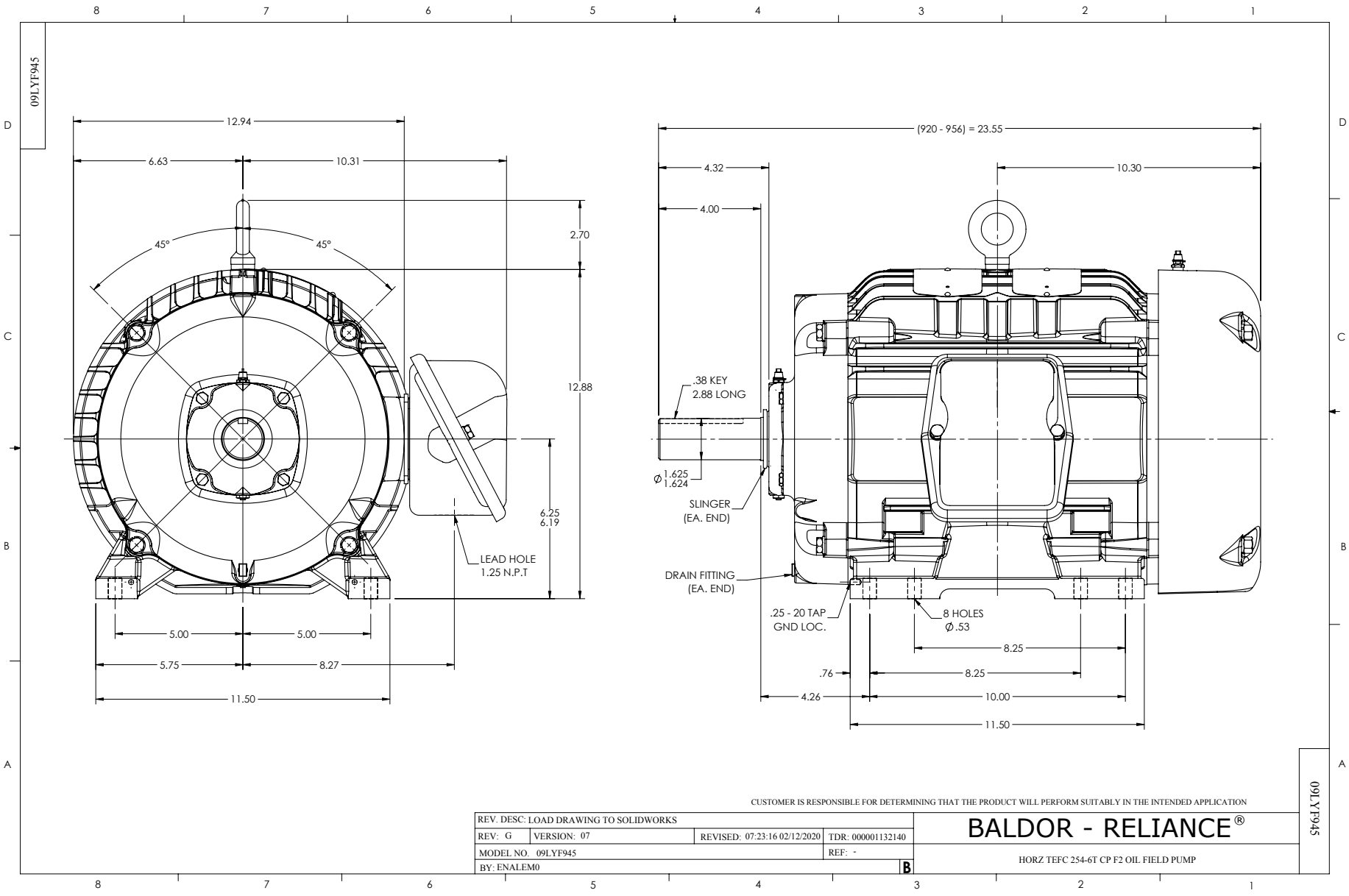
WINDING # 09WGY655

7.5 HP 3 PH 60 HZ 1125 RPM 460 V 0932M

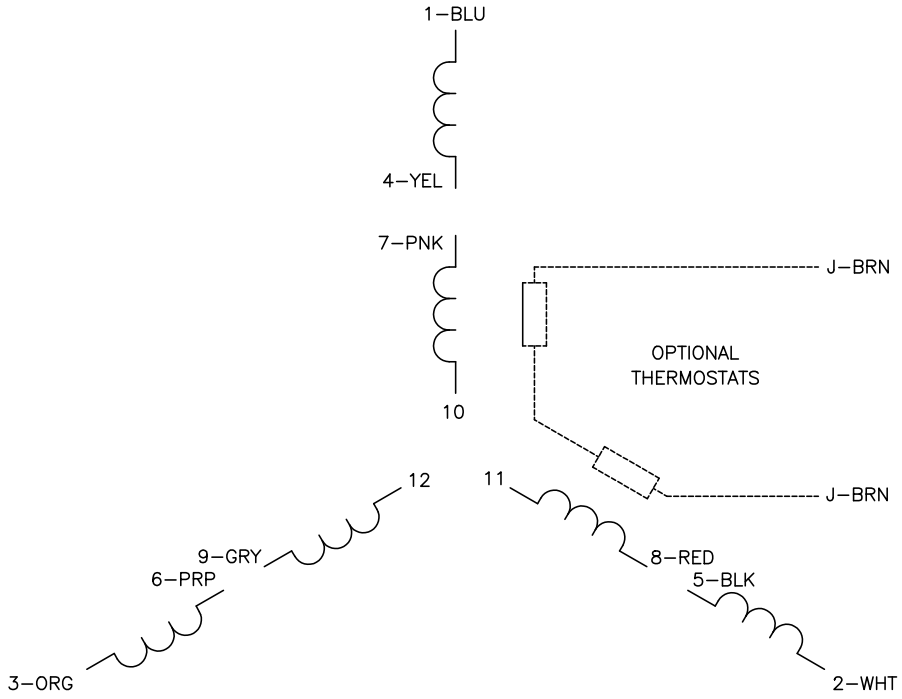
Typical performance - not guaranteed values.

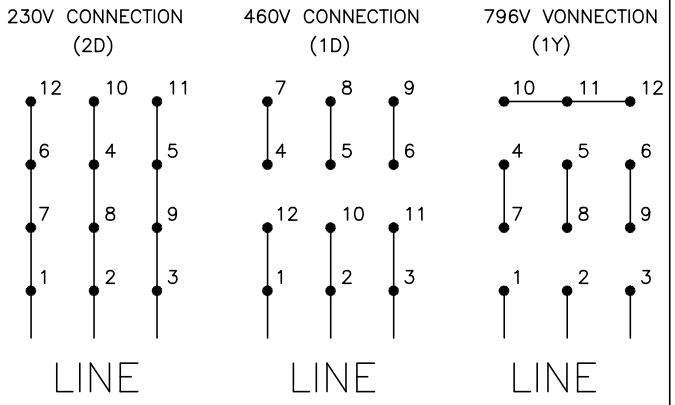
TORQUES(LB-FT): PO=148 PU=101 LR=114 LRA=66




09LYF945
12.94
6.63
10.31
45°
45°
2.70
12.88
6.25
6.19
LEAD HOLE
1.25 N.P.T
5.00
5.00
5.75
8.27
11.50
(920 - 956) = 23.55
4.32
4.00
10.30
.38 KEY
2.88 LONG
Ø 1.625
1.624
SLINGER
(EA. END)
DRAIN FITTING
(EA. END)
.25 - 20 TAP
GND LOC.
8 HOLES
Ø .53
8.25
.76
8.25
4.26
10.00
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: G
VERSION: 07
REVISED: 07:23:16 02/12/2020
TDR: 000001132140
MODEL NO. 09LYF945
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T CP F2 OIL FIELD PUMP
09LYF945

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