ABB BALDOR RELIANCE

Customer information packet

EM2333

15HP, 1765RPM, 3PH, 60HZ, 284U, 0944M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	284U
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	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	NEMA PREMIUM
	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	38.000 A @ 208.0 V
	36.200 A @ 230.0 V
	18.100 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	G
Type	AC
Mech. spec.	09F608
Base	
Status	PRD/A
Elec. spec.	09WGT597
Layout	09LYF608
Eff. date	11-14-2023
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	02-02-2021

Heater Indicator	No Heater
High Voltage Full Load Amps	18.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	26.33 IN
Power Factor	84
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1259L											
CAT.NO.	EM2333										
SPEC.	09F608T597G1										
HP	15										
VOLTS	230/460										
AMP	36.2/18.1										
RPM	1765										
FRAME	284U	**HZ**	60	**PH**	3						
SER.F.	1.15	**CODE**	H	**DES**	A	**CL**	F				
NEMA-NOM-EFF	92.4	**PF**	84								
RATING	40C AMB-CONT										
CC	010A										
DE	6311	**ODE**	6208								
ENCL	TEFC	**SN**									
	SFA 41/20.4										

AC Induction Motor Performance Data
Record # 93306
Typical performance - not guaranteed values

Winding: 09WGT597-R001	**Type:** 0944M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			15	**Full Load Torque**	44.59 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			36.2/18.1	**Breakdown Torque**	151 LB-FT
R.P.M.			1765	**Pull-up Torque**	76.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	84.9 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	131 A
Service Factor (S.F.)			1.15	**No-load Current**	7.72 A
NEMA Nom. Eff.	92.4	**Power Factor**	84	**Line-line Res. @ 25ºC**	0.61892 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	50°C
S.F. Amps			41/20.4	**Temp. Rise @ S.F. Load**	61°C
				Locked-rotor Power Factor	33.3

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	46	68	78	83	85	86	84
Efficiency	87.5	91.8	92.6	92.4	91.8	90.8	92
Speed	1791.8	1784.7	1777	1768.8	1759.2	1749.3	1763
Line amperes	8.82	11.3	14.6	18.3	22.4	26.9	20.8

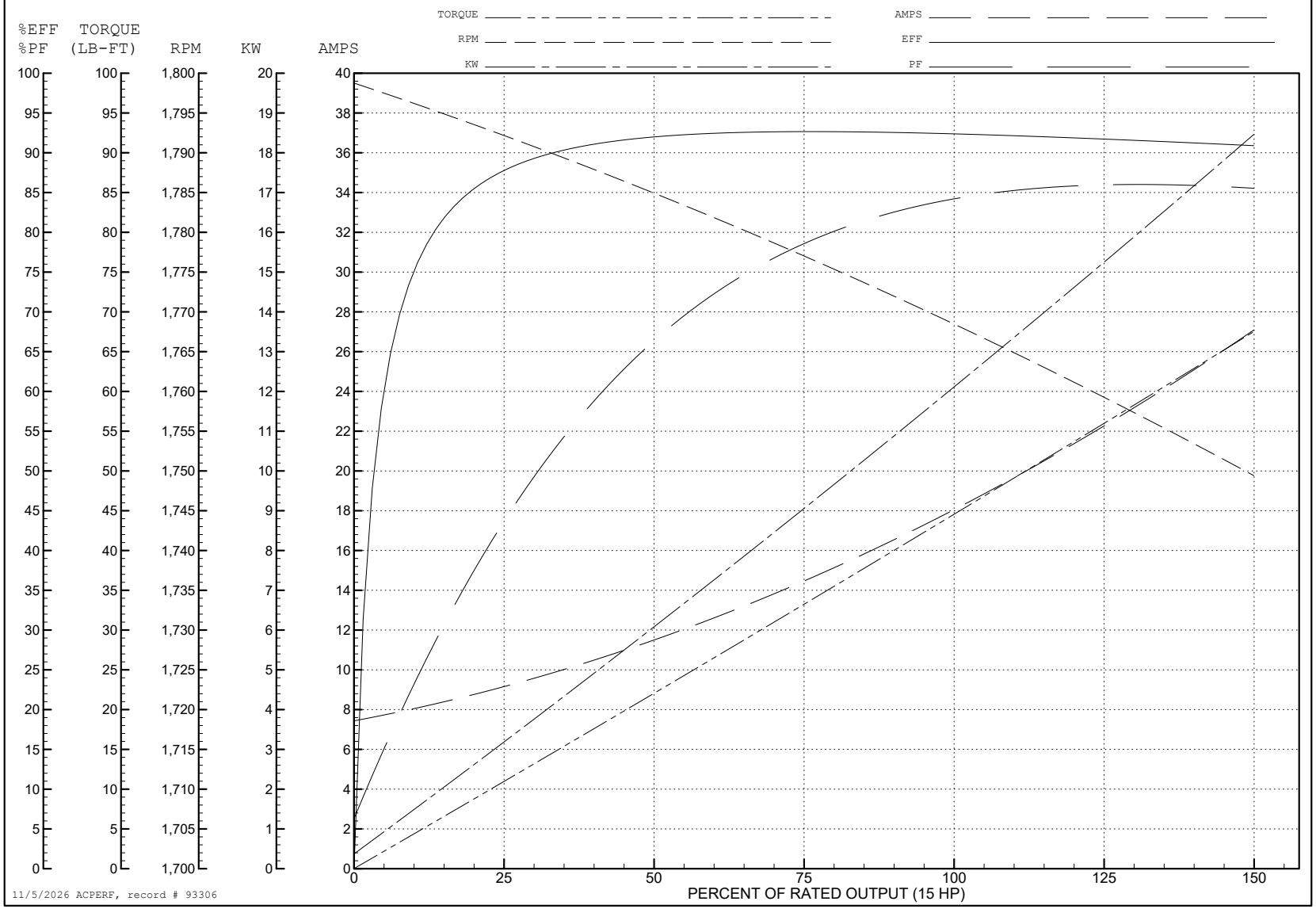
ABB Motors and Mechanical Inc.

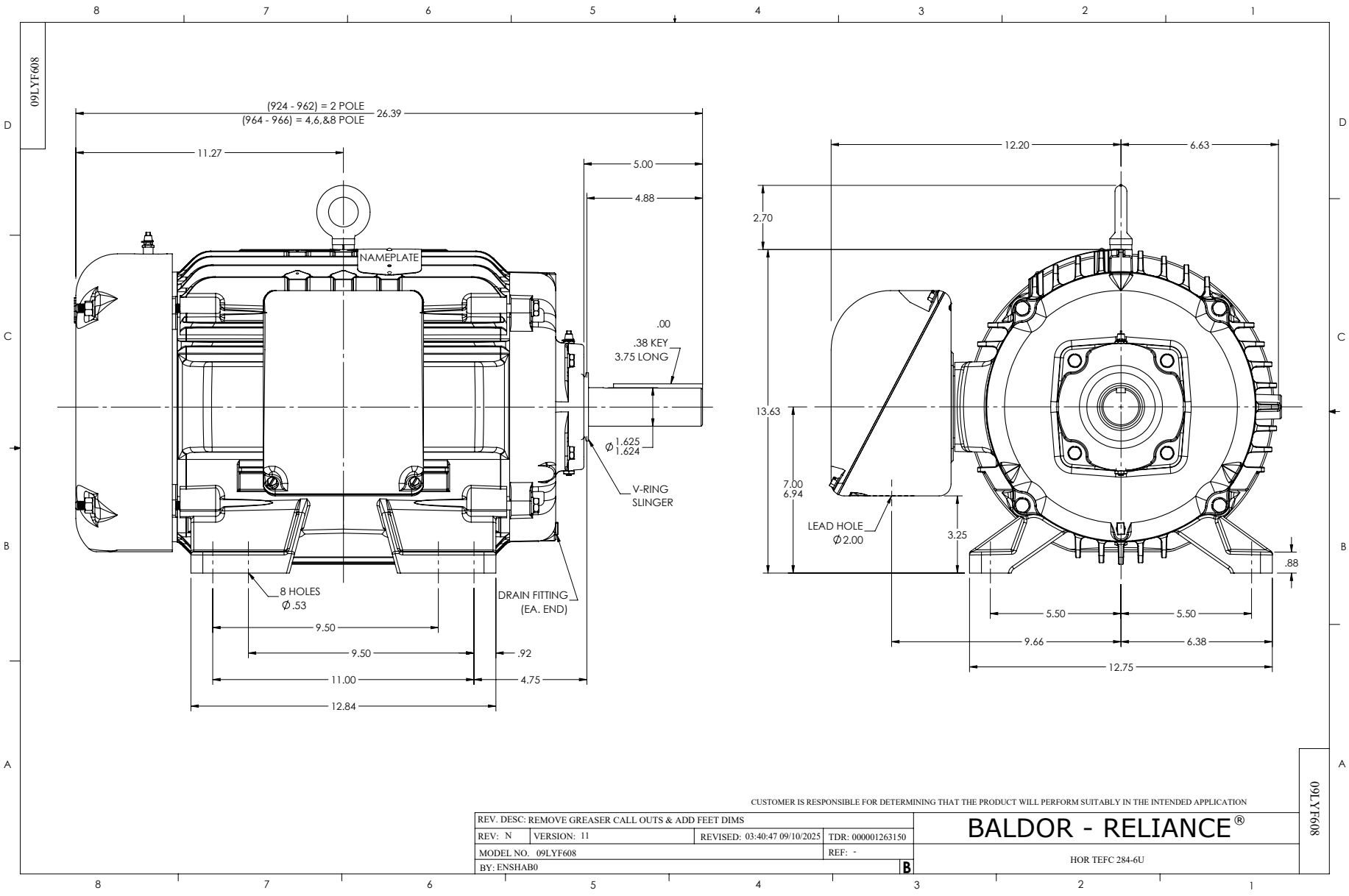
WINDING # 09WGT597

15 HP 3 PH 60 HZ 1765 RPM 460 V 0944M

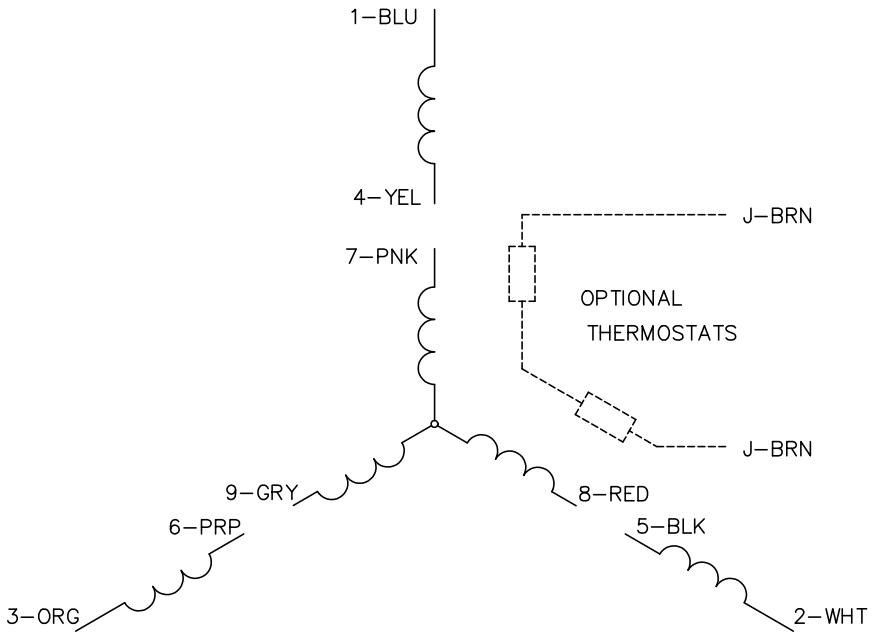
Typical performance - not guaranteed values.

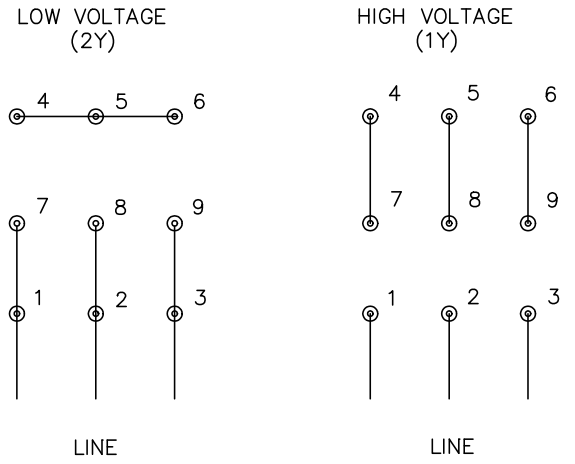
TORQUES(LB-FT): PO=151 PU=76.5 LR=84.9 LRA=131




09LYF608
(924 - 962) = 2 POLE
(964 - 966) = 4,6,&8 POLE
26.39
11.27
5.00
4.88
NAMEPLATE
.00
.38 KEY
3.75 LONG
Ø 1.625
1.624
V-RING
SLINGER
8 HOLES
Ø .53
DRAIN FITTING
(EA. END)
9.50
9.50
.92
11.00
4.75
12.84
12.20
6.63
2.70
13.63
7.00
6.94
LEAD HOLE
Ø 2.00
3.25
.88
5.50
5.50
9.66
6.38
12.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REMOVE GREASER CALL OUTS & ADD FEET DIMS
REV: N
VERSION: 11
REVISED: 03:40:47 09/10/2025
TDR: 000001263150
MODEL NO. 09LYF608
REF: -
BY: ENSHAB0
B
BALDOR - RELIANCE®
HOR TEFC 284-6U
09LYF608

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS