ABB BALDOR RELIANCE

Customer information packet

EGDM3774T

10HP, 1760RPM, 3PH, 60HZ, 215TZ, 0748M, TEFC, F
Class - None
Division - Not Applicable

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11/5/2026 9:24:06 AM

Specifications

Enclosure	TEFC
Frame	215TZ
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	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	12.500 A @ 460.0 V
	25.000 A @ 230.0 V
	26.300 A @ 208.0 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 Face Code	Standard

Part Detail

Revision	E
Type	AC
Mech. spec.	07N230
Base	
Status	PRD/A
Elec. spec.	07WGX776
Layout	07LYN230
Eff. date	11-27-2024
CD Diagram	CD0005
Poles	04
Leads	9#14 72" LONG Y
Proprietary	False
Created date	01-08-2016

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.45 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

NP3126L											
CAT.NO.	EGDM3774T										
SPEC.	07N230X776G1										
HP	10										
VOLTS	208-230/460										
AMP	26.3-25/12.5										
RPM	1760										
FRAME	215TZ	**HZ**	60				**PH**	3			
SER.F.	1.15	**CODE**	H	**DES**	A	**CL**	F				
NEMA-NOM-EFF	92.4	**PF**	82								
RATING	40C AMB-CONT										
CC	010A										
DE	6307		**ODE**	6206							
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 27907
Typical performance - not guaranteed values

Winding: 07WGX776-R006	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	29.8 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			26.3-25/12.5	**Breakdown Torque**	87 LB-FT
R.P.M.			1760	**Pull-up Torque**	51.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	57.5 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	88.5 A
Service Factor (S.F.)			1.15	**No-load Current**	5.12 A
NEMA Nom. Eff.	92.4	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.973 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps				**Temp. Rise @ S.F. Load**	76°C
				Locked-rotor Power Factor	35
				Rotor inertia	1.18 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	44	67	78	82	84	85	83
Efficiency	90	92.9	93.1	92.5	91.4	90.1	91.8
Speed	1790	1781	1771	1762	1750	1739	1755
Line amperes	5.84	7.52	9.75	12.3	15.2	18.3	14

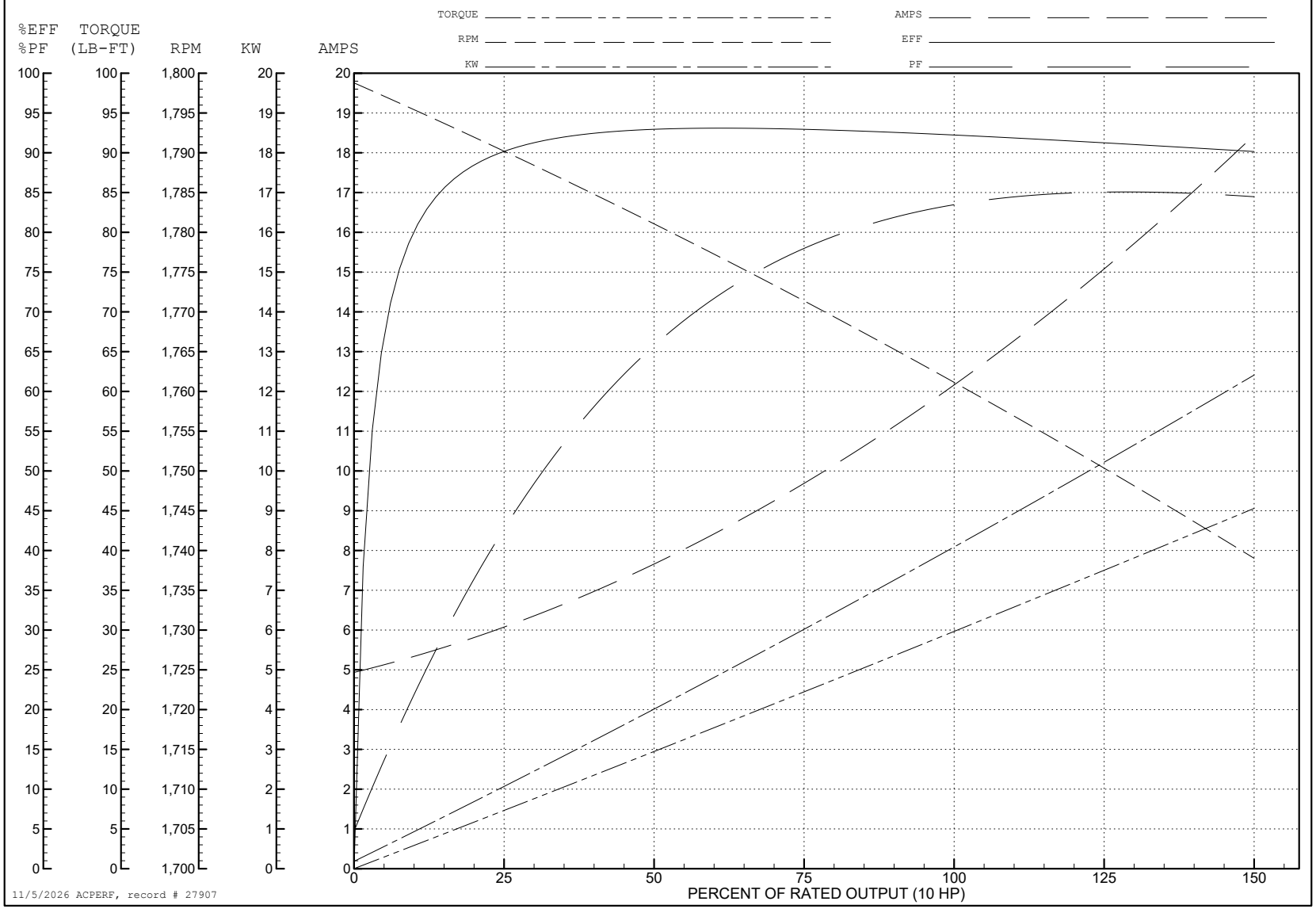
ABB Motors and Mechanical Inc.

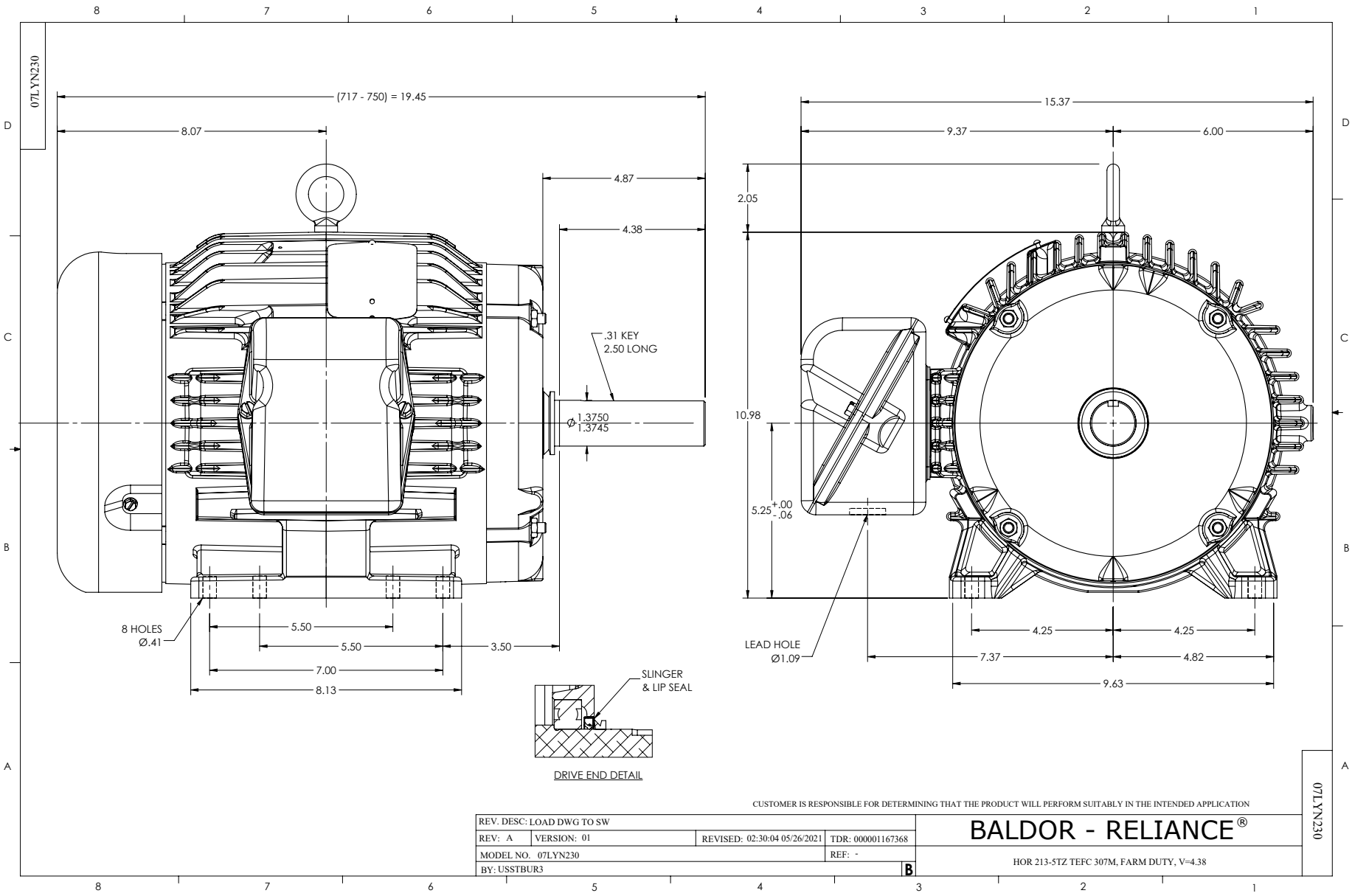
WINDING # 07WGX776

10 HP 3 PH 60 HZ 1760 RPM 460 V 0748M

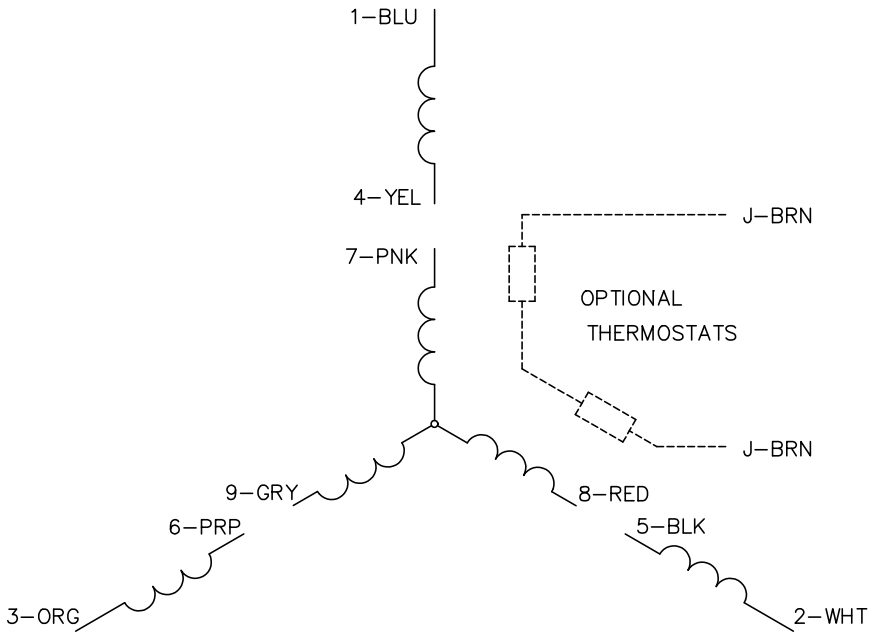
Typical performance - not guaranteed values.

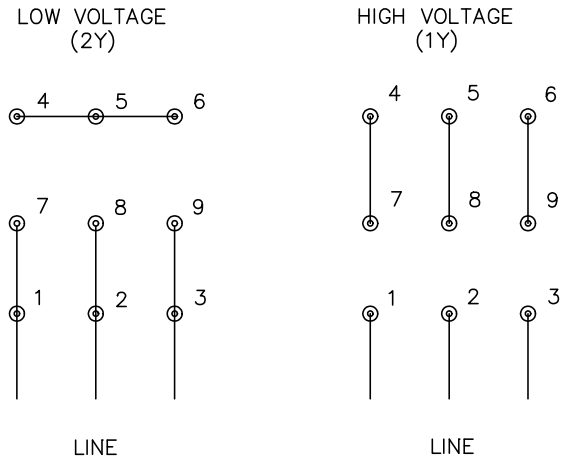
TORQUES(LB-FT): PO=87 PU=51.9 LR=57.5 LRA=88.5




07LYN230
(717 - 750) = 19.45
8.07
4.87
4.38
.31 KEY
2.50 LONG
Ø1.3750
1.3745
8 HOLES
Ø.41
5.50
5.50
3.50
7.00
8.13
SLINGER
& LIP SEAL
DRIVE END DETAIL
15.37
9.37
6.00
2.05
10.98
5.25 +.00 -.06
LEAD HOLE
Ø1.09
4.25
4.25
7.37
4.82
9.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DWG TO SW
REV: A
VERSION: 01
REVISED: 02:30:04 05/26/2021
TDR: 000001167368
MODEL NO. 07LYN230
REF: -
BY: USSTBUR3
B
BALDOR - RELIANCE®
HOR 213-5TZ TEFC 307M, FARM DUTY, V=4.38
07LYN230

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