ABB BALDOR RELIANCE

Customer information packet

ECTM3768T

5 AIR OVERHP, 1160RPM, 3PH, 60HZ, 215T, 0748M
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/18/2026 3:40:01 AM

Specifications

Enclosure	TEAO
Frame	215T
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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	15.800 A @ 208.0 V
	7.300 A @ 460.0 V
	14.600 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	M
Type	AC
Mech. spec.	07N391
Base	
Status	PRD/A
Elec. spec.	07WGX823
Layout	07LYN391
Eff. date	06-06-2024
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	08-14-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	7.3 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	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	6
Overall Length	19.54 IN
Power Factor	72
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
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	1160 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

NP2134								
CAT.NO.	ECTM3768T							
SPEC.	07N391X823G1							
HP	5 AIR OVER							
VOLTS	230/460							
AMP	14.6/7.3							
RPM	1160							
FRAME	215T	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CL**	F	
NEMA-NOM-EFF	90.2	**PF**	72					
RATING	40C AMB-CONT							
CC								
DE	6307	**ODE**	6206					
ENCL	TEAO	**SN**						
	1275 FPM 170 CFM							

AC Induction Motor Performance Data
Record # 35561
Typical performance - not guaranteed values

Winding: 07WGX823-R002	**Type:** 0748M	**Enclosure:** TEAO

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	22.8 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			14.6/7.3	**Breakdown Torque**	77.4 LB-FT
R.P.M.			1160	**Pull-up Torque**	46.7 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	56.1 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	51.9 A
Service Factor (S.F.)			1.15	**No-load Current**	3.7 A
NEMA Nom. Eff.	90.2	**Power Factor**	72	**Line-line Res. @ 25ºC**	1.59 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	50°C
S.F. Amps				**Temp. Rise @ S.F. Load**	61°C
				Locked-rotor Power Factor	22
				Rotor inertia	1.19 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	34	54	65	72	75	77	74
Efficiency	85.8	90.1	90.8	90.3	89.1	87.6	89.6
Speed	1190	1181	1173	1163	1151	1138	1156
Line amperes	4.01	4.79	5.88	7.29	8.77	10.4	8.18

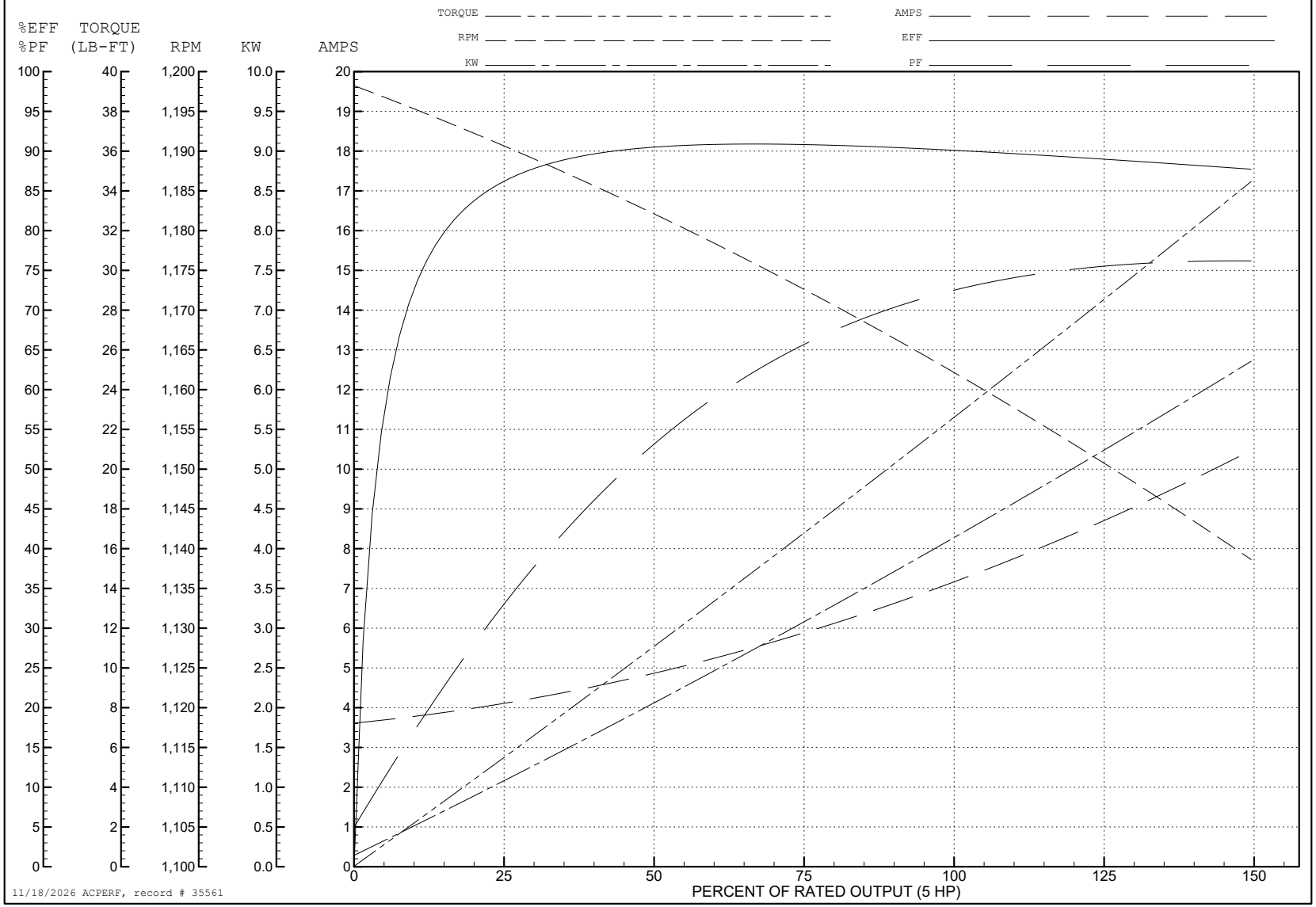
ABB Motors and Mechanical Inc.

WINDING # 07WGX823

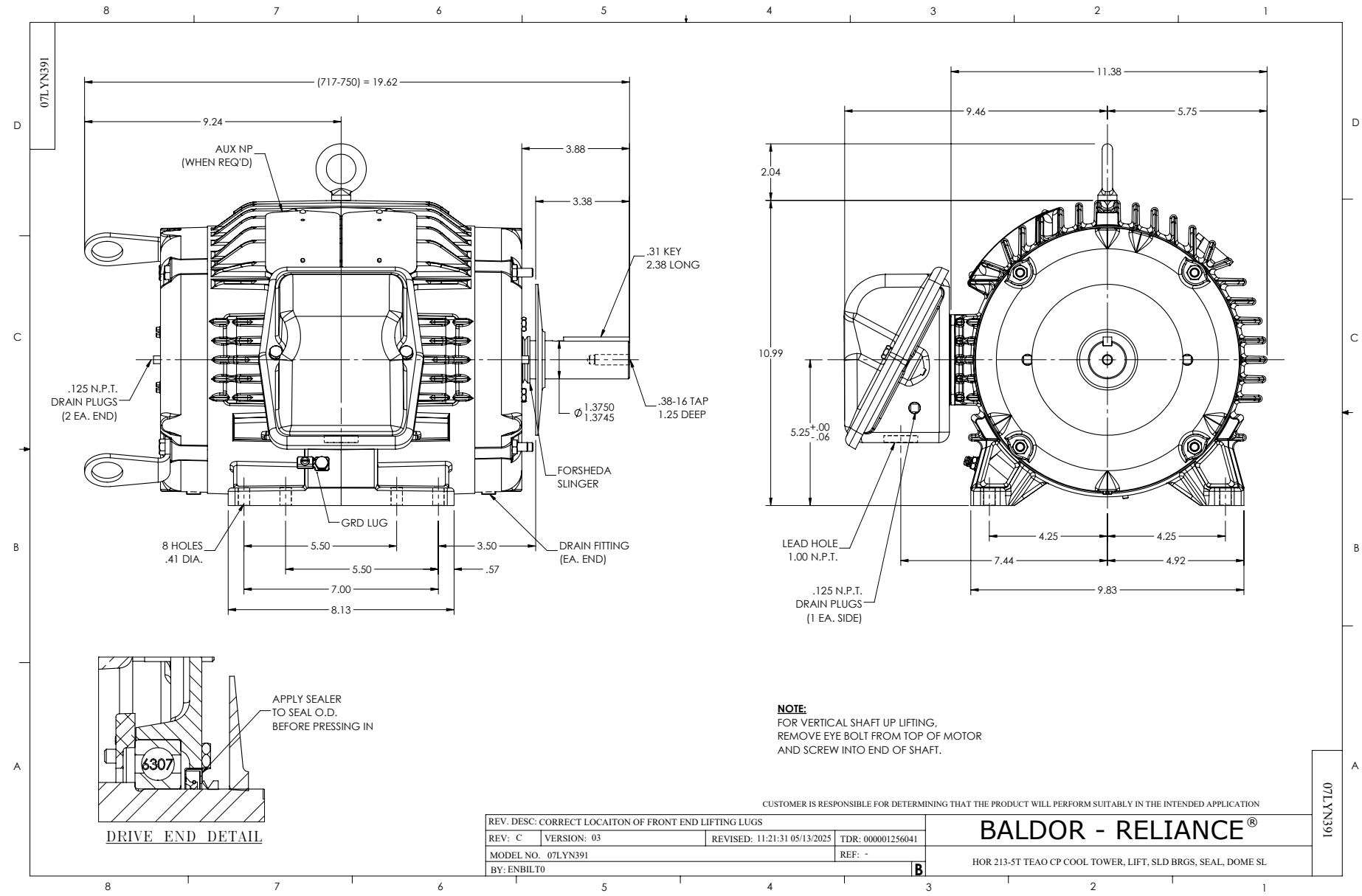
5 HP 3 PH 60 HZ 1160 RPM 460 V 0748M

Typical performance - not guaranteed values.

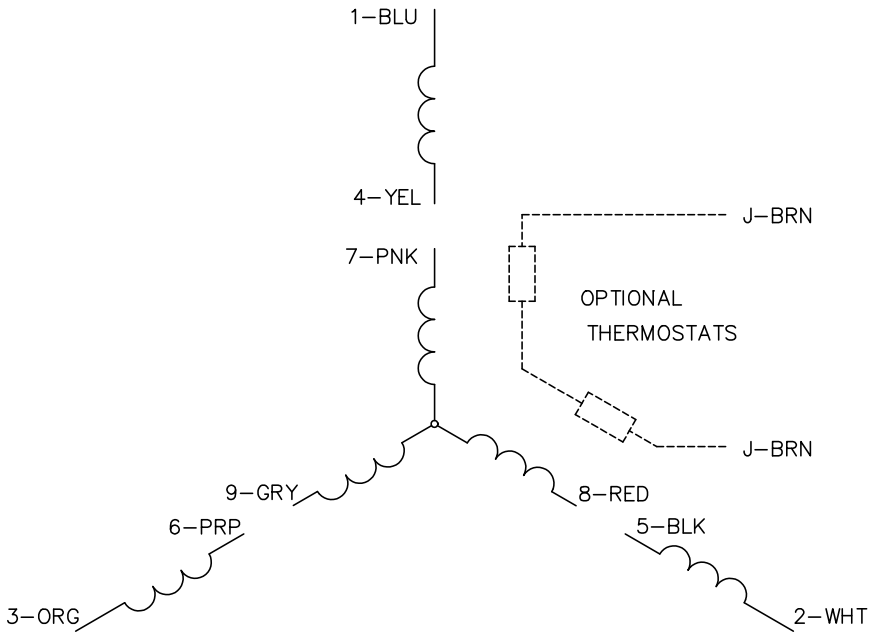
TORQUES(LB-FT): PO=77.4 PU=46.7 LR=56.1 LRA=51.9

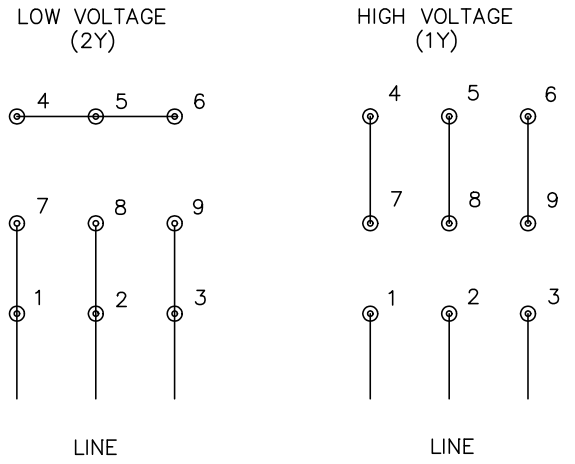


11/18/2026 ACPERF, record # 35561


07LYN391
(717-750) = 19.62
9.24
AUX NP
(WHEN REQ'D)
3.88
3.38
.31 KEY
2.38 LONG
.125 N.P.T.
DRAIN PLUGS
(2 EA. END)
Ø 1.3750
1.3745
.38-16 TAP
1.25 DEEP
FORSHEDA
SLINGER
GRD LUG
8 HOLES
.41 DIA.
5.50
3.50
DRAIN FITTING
(EA. END)
5.50
.57
7.00
8.13
11.38
9.46
5.75
2.04
10.99
5.25 +.00 -.06
LEAD HOLE
1.00 N.P.T.
.125 N.P.T.
DRAIN PLUGS
(1 EA. SIDE)
4.25
4.25
7.44
4.92
9.83
APPLY SEALER
TO SEAL O.D.
BEFORE PRESSING IN
6307
DRIVE END DETAIL
NOTE:
FOR VERTICAL SHAFT UP LIFTING,
REMOVE EYE BOLT FROM TOP OF MOTOR
AND SCREW INTO END OF SHAFT.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT LOCAITON OF FRONT END LIFTING LUGS
REV: C
VERSION: 03
REVISED: 11:21:31 05/13/2025
TDR: 000001256041
MODEL NO. 07LYN391
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HOR 213-5T TEAO CP COOL TOWER, LIFT, SLD BRGS, SEAL, DOME SL
07LYN391

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