ABB BALDOR RELIANCE

Customer information packet

CTM2276T

7.5HP, 1160RPM, 3PH, 60HZ, 254T, 0756M, TEAO, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
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	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 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	24.000 A @ 208.0 V
	21.800 A @ 230.0 V
	10.900 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	G
Type	AC
Mech. spec.	07N393
Base	
Status	PRD/A
Elec. spec.	07WGX825
Layout	07LYN393
Eff. date	08-17-2023
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	08-14-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	10.9 a
Insulation Class	F
Inverter Code	Not Inverter
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	0756M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	22.16 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	1.625 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

NP1258									
CAT.NO.	CTM2276T								
SPEC.	07N393X825H1								
HP	7.5								
VOLTS	208-230/460								
AMP	24-21.8/10.9								
RPM	1160								
FRAME	254T	**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	K	**DES**	A		**CL**	F	
NEMA-NOM-EFF	89.5	**PF**	72						
RATING	40C AMB-CONT								
CC									
DE	6309	**ODE**	6206						
ENCL	TEAO	**SN**							
	1275 FPM 170 CFM								

AC Induction Motor Performance Data
Record # 52119
Typical performance - not guaranteed values

Winding: 07WGX825-R014	**Type:** 0756M	**Enclosure:** TEAO

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	33.78 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			24-21.8/10.9	**Breakdown Torque**	151 LB-FT
R.P.M.			1160	**Pull-up Torque**	76 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	99.6 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	82.4 A
Service Factor (S.F.)			1.15	**No-load Current**	5.5 A
NEMA Nom. Eff.	89.5	**Power Factor**	72	**Line-line Res. @ 25ºC**	1.0788 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	53°C
S.F. Amps				**Temp. Rise @ S.F. Load**	67°C
				Locked-rotor Power Factor	21.9

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	55	66	72	75	77	74
Efficiency	85.5	89.9	90.3	89.5	88	86.2	88.6
Speed	1190	1181	1171	1160.1	1147	1132	1152
Line amperes	5.82	7.07	8.75	10.8	13.3	15.9	12.3

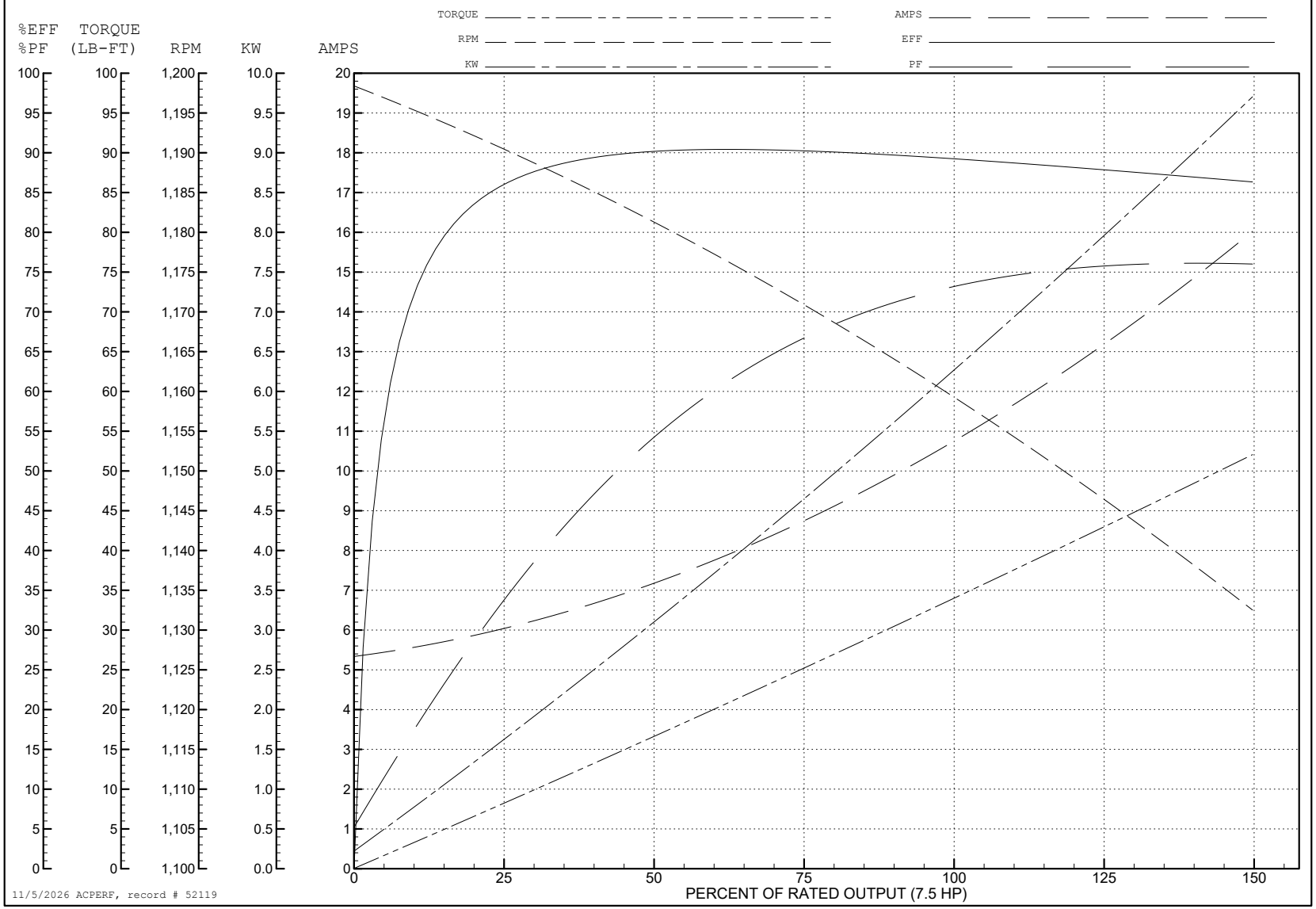
ABB Motors and Mechanical Inc.

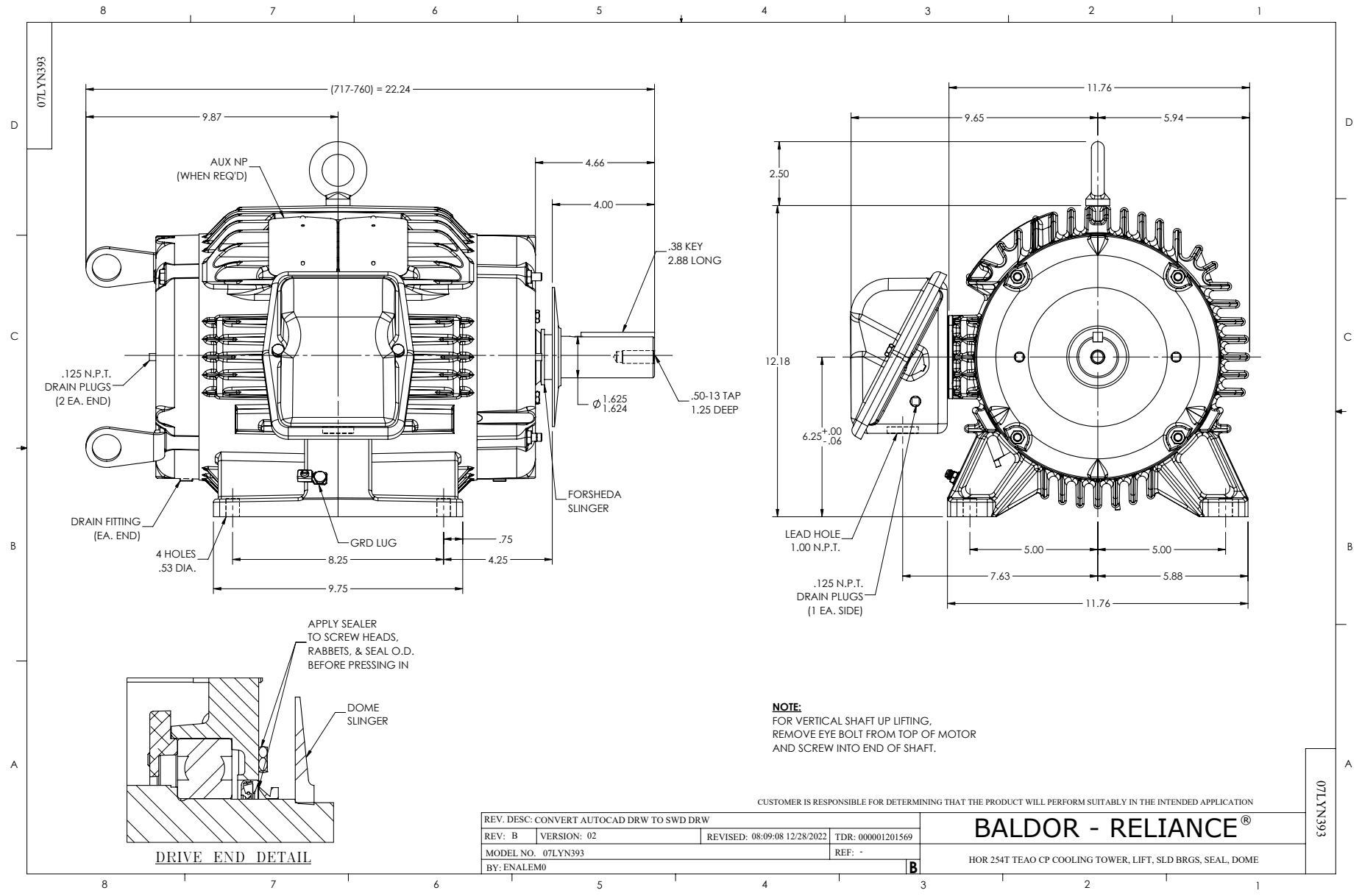
WINDING # 07WGX825

7.5 HP 3 PH 60 HZ 1160 RPM 460 V 0756M

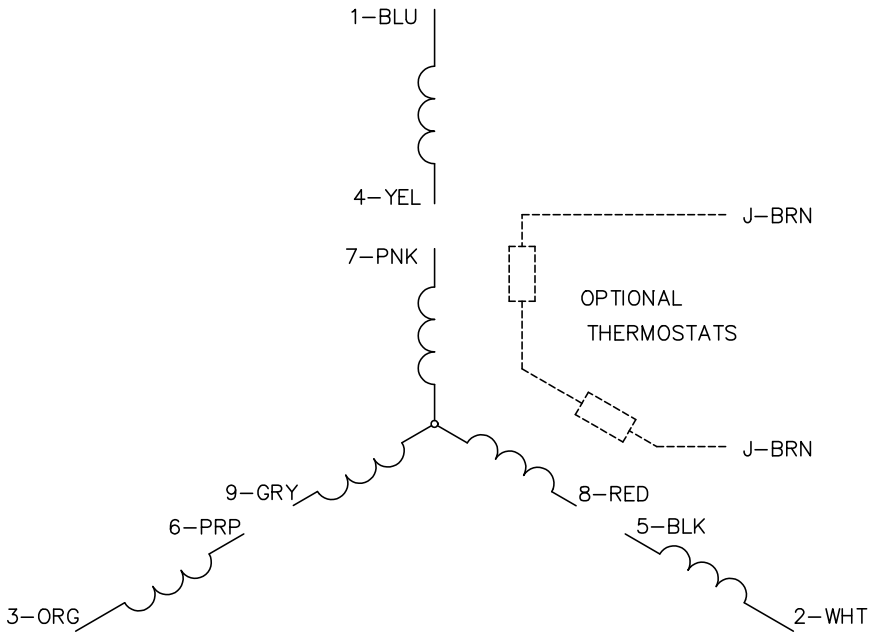
Typical performance - not guaranteed values.

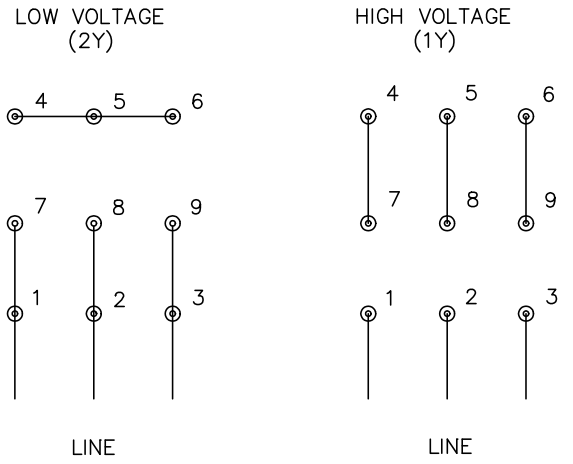
TORQUES(LB-FT): PO=151 PU=76 LR=99.6 LRA=82.4




07LYN393
(717-760) = 22.24
9.87
AUX NP
(WHEN REQ'D)
4.66
4.00
.38 KEY
2.88 LONG
.125 N.P.T.
DRAIN PLUGS
(2 EA. END)
Ø 1.625
1.624
.50-13 TAP
1.25 DEEP
FORSHEDA
SLINGER
DRAIN FITTING
(EA. END)
GRD LUG
.75
4 HOLES
.53 DIA.
8.25
4.25
9.75
11.76
9.65
5.94
2.50
12.18
6.25 +.00 -.06
LEAD HOLE
1.00 N.P.T.
5.00
5.00
7.63
5.88
.125 N.P.T.
DRAIN PLUGS
(1 EA. SIDE)
11.76
APPLY SEALER
TO SCREW HEADS,
RABBETS, & SEAL O.D.
BEFORE PRESSING IN
DOME
SLINGER
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: CONVERT AUTOCAD DRW TO SWD DRW
REV: B
VERSION: 02
REVISED: 08:09:08 12/28/2022
TDR: 000001201569
MODEL NO. 07LYN393
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 254T TEAO CP COOLING TOWER, LIFT, SLD BRGS, SEAL, DOME
07LYN393

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