ABB BALDOR RELIANCE

Customer information packet

ECTM3615T-57

3 AIR OVERHP, 1160RPM, 3PH, 60HZ, 213TZ, 3738
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	213TZ
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	230.0 V @ 50 HZ
	380.0 V @ 50 HZ
	415.0 V @ 50 HZ
Agency Approvals	CSA
	CE
	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	13.000 A @ 230.0 V
	7.400 A @ 415.0 V
	7.700 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	J
Type	AC
Mech. spec.	37Q128
Base	
Status	PRD/A
Elec. spec.	37WGL441
Layout	37LYQ128
Eff. date	05-14-2024
CD Diagram	CD0022
Poles	04
Leads	6#14
Proprietary	False
Created date	03-07-2017

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3736M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 IN
Power Factor	77
Product Family	WP Below Decks Marine Duty
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
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	1460 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

NP2735L									
CAT NO	ECTM3615T-57								
SPEC.	37Q128L441G1								
HP	5/3.7KW AIR OVER					**PH**	3		
VOLTS	230/380-415								
AMP	13/7.7-7.4								
RPM	1460 1/MIN								
FRAME	213TZ		**HZ**	50		**I.P.**	55		
SER.F.	1.00	**CODE**	J	**DES**	B	**CL**	F		
NOM.EFF.	88.5		**% (100%)**						
PF	77		**USABLE AT 208V**			N/A			
RATING	40C AMB-S1 CONT			**CC**					
DE BRG	6307		**ODE**	6206					
ENCL	TEAO	**SN**							
BLANK	IE3-90.7(75%)91.7(50%)								
	IC418 61KG								

AC Induction Motor Performance Data
Record # 62992
Typical performance - not guaranteed values

Winding: 37WGL441-R001	**Type:** 3736M	**Enclosure:** TEAO

Nameplate Data			
Rated Output (HP)			5 AIR OVER
Volts			230/380-415
Full Load Amps			13/7.7-7.4
R.P.M.			1460
Hz	50	**Phase**	3
NEMA Design Code	B	**KVA Code**	J
Service Factor (S.F.)			1
NEMA Nom. Eff.	88.5	**Power Factor**	77
Rating - Duty			40C AMB-CONT

415 V, 50 Hz: High Voltage Connection	
Full Load Torque	17.75 LB-FT
Start Configuration	direct on line
Breakdown Torque	56.34 LB-FT
Pull-up Torque	33.81 LB-FT
Locked-rotor Torque	41.28 LB-FT
Starting Current	55.15 A
No-load Current	3.55 A
Line-line Res. @ 25ºC	2.3 Ω
Temp. Rise @ Rated Load	42°C
Locked-rotor Power Factor	45.5
Rotor inertia	0.885 LB-FT2

Load Characteristics 415 V, 50 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	39	60	72	77	81	82
Efficiency	85.3	89.7	90.6	90.3	89.6	87.3
Speed	1492	1486	1478	1471	1462	1452
Line amperes	3.9	4.74	5.91	7.37	8.98	10.83

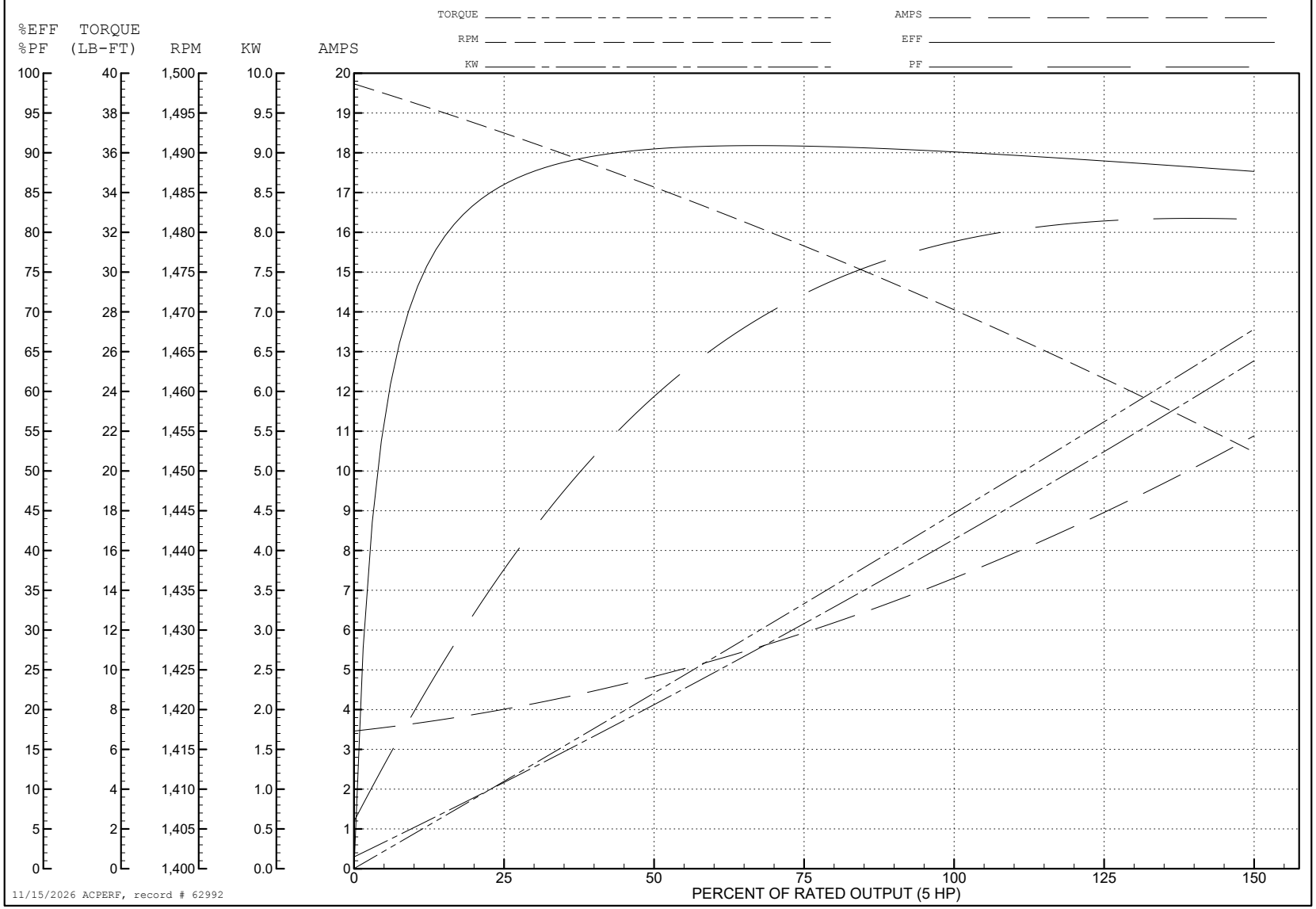
ABB Motors and Mechanical Inc.

WINDING # 37WGL441

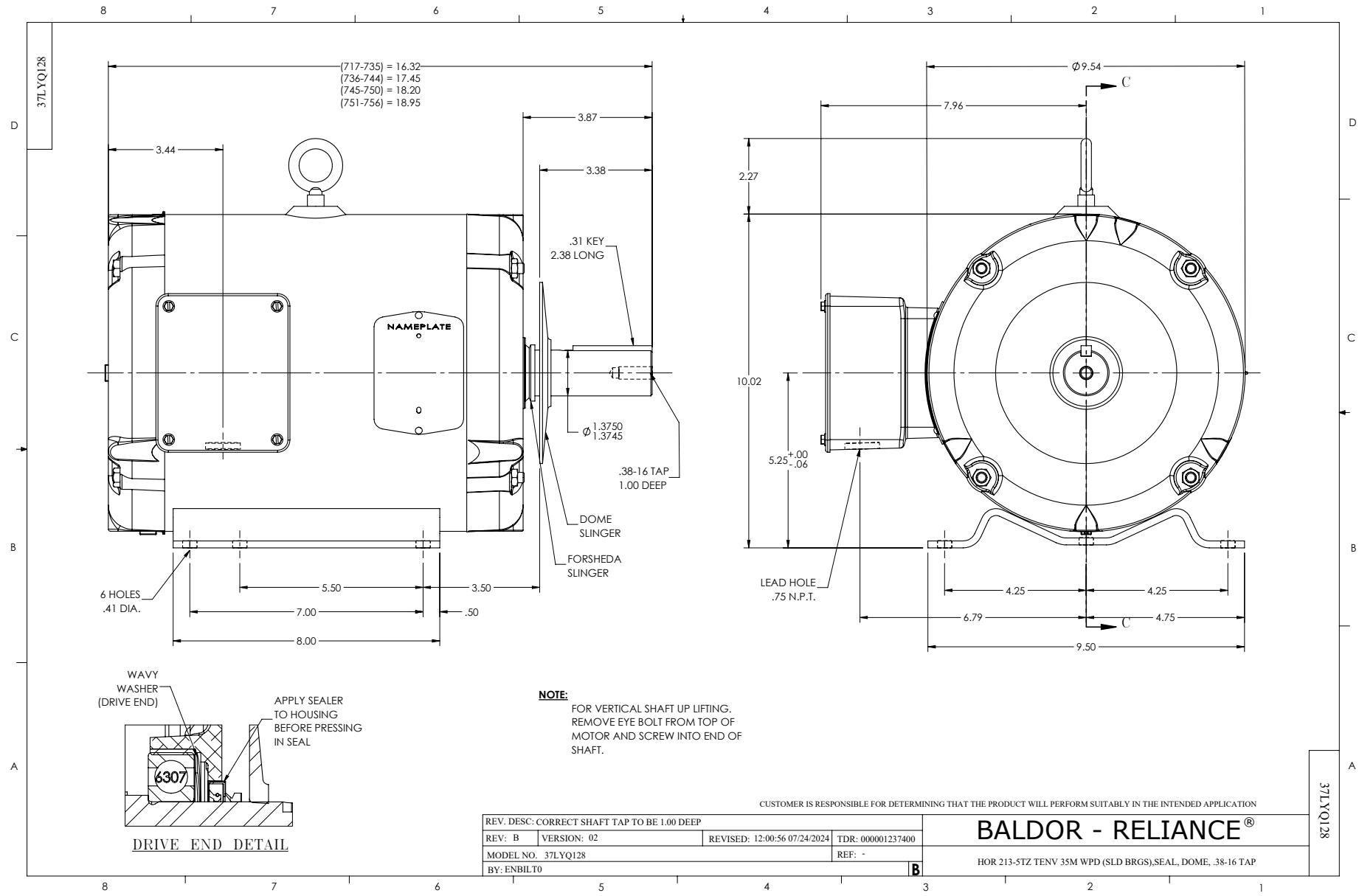
5 HP 3 PH 50 HZ 1460 RPM 415 V 3736M

Typical performance - not guaranteed values.

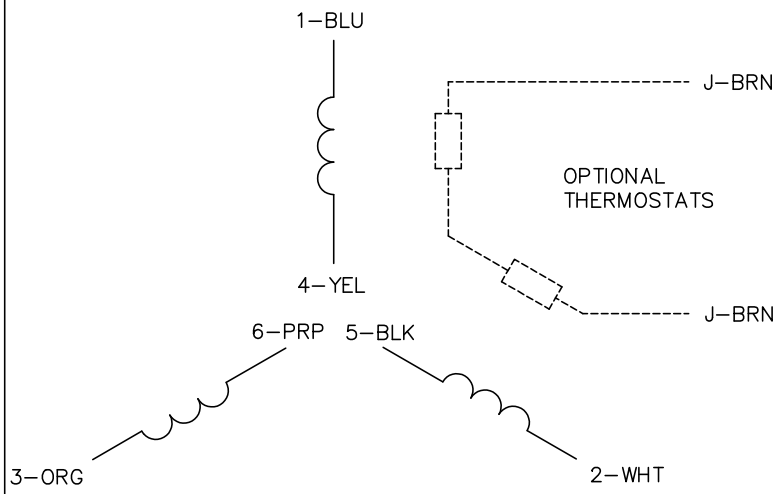
TORQUES(LB-FT): PO=56.34 PU=33.81 LR=41.28 LRA=55.15

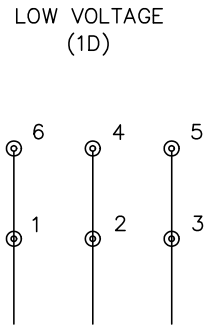


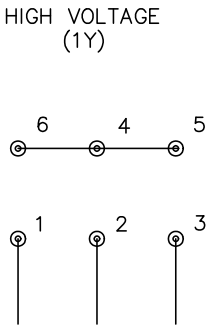
11/15/2026 ACPERF, record # 62992


37LYQ128
(717-735) = 16.32
(736-744) = 17.45
(745-750) = 18.20
(751-756) = 18.95
3.87
3.44
3.38
.31 KEY
2.38 LONG
NAMEPLATE
Ø 1.3750
1.3745
.38-16 TAP
1.00 DEEP
DOME
SLINGER
FORSHEDA
SLINGER
6 HOLES
.41 DIA.
5.50
3.50
7.00
.50
8.00
Ø9.54
7.96
2.27
10.02
5.25 +.00 -.06
LEAD HOLE
.75 N.P.T.
4.25
4.25
6.79
4.75
9.50
C
WAVY
WASHER
(DRIVE END)
APPLY SEALER
TO HOUSING
BEFORE PRESSING
IN SEAL
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 SHAFT TAP TO BE 1.00 DEEP
REV: B
VERSION: 02
REVISED: 12:00:56 07/24/2024
TDR: 000001237400
MODEL NO. 37LYQ128
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HOR 213-5TZ TENV 35M WPD (SLD BRGS),SEAL, DOME, .38-16 TAP
37LYQ128

CD0022







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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: F	BY: JLP	REVISED: 01/21/99 3:54	TDR: 0171435
CD0022		FILE: AAA00005144	MDL: –
		MTL: –	3PH, DV, 6 LEADS, DELTA/WYE CONNECTION

CD0022