BALDOR • RELIANCE

Customer information packet

VSPJMM3714T

10HP, 1775RPM, 3PH, 60HZ, 215JM, 3756M, TEFC, F
Class - None
Division - Not Applicable

12/22/2025 6:57:46 PM

Specifications

Enclosure	TEFC
Frame	215JM
Frame Material	Steel
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	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	WEEE
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	13.000 A @ 460.0 V
	26.000 A @ 230.0 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
Heater Indicator	No Heater
High Voltage Full Load Amps	13.0 a
Insulation Class	F
Inverter Code	Inverter Duty

Part detail

Revision	A
Type	AC
Mech. spec.	37EE005
Base	
Status	PRD/A
Elec. spec.	37WGZ669
Layout	37LYEE005
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	08-14-2025

KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3756M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.38 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1775 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

NP4423A01A01L											
CAT #	VSPJMM3714T			**WGT**	187	**LBS**					
SPEC	37EE005Z669			**ENCL**	TEFC						
SER #				**CC**	010A	**IP**	54				
HP	10		**MAG CUR**	12.8/6.4							
VOLTS	230/460					**NEMA NOM. EFF**	92.4				
AMPS	26/13				**PF**	78					
RATING	40C AMB-CONT										
RPM	1775			**MAX RPM**	2700						
FRAME	215JM	**HZ**	60	**CODE**	L	**CLASS**	F				
SER.F.	1.25	**SF AMP**	32.4/16.2		**PH**	3	**DES**	A			
DE	6309		**ODE**	6206							
LUBRICATION	POLYREX EM										
ID LOGO	**INVERTER TYPE**		**VPWM**		**CHP**	60	**TO**	90	1.5:1		
ID LOGO	**WK2**	1.38	**CT**	6	**TO**	60	10:1				
ID LOGO	**SL HZ**	0.8	**VT**	3	**TO**	60	20:1				
					QR						
YR											

AC Induction Motor Performance Data
Record # 102782
Typical performance - not guaranteed values

Winding: 37WGZ669-R001	**Type:** 3756M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	29.66 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			26/13	**Breakdown Torque**	125 LB-FT
R.P.M.			1775	**Pull-up Torque**	60.3 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	75.2 LB-FT
NEMA Design Code	A	**KVA Code**	L	**Starting Current**	121 A
Service Factor (S.F.)			1.15	**No-load Current**	6.42 A
NEMA Nom. Eff.	92.4	**Power Factor**	78	**Line-line Res. @ 25ºC**	0.75972 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps			29/14.5	**Temp. Rise @ S.F. Load**	72°C
				Locked-rotor Power Factor	34.4
				Rotor inertia	1.38 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	60	72	78	82	84	80
Efficiency	87.3	91.8	92.8	92.8	92.3	91.5	92.5
Speed	1792.8	1786.9	1780.5	1773.8	1766.5	1758.8	1769
Line amperes	7.04	8.54	10.6	12.9	15.5	18.3	14.5

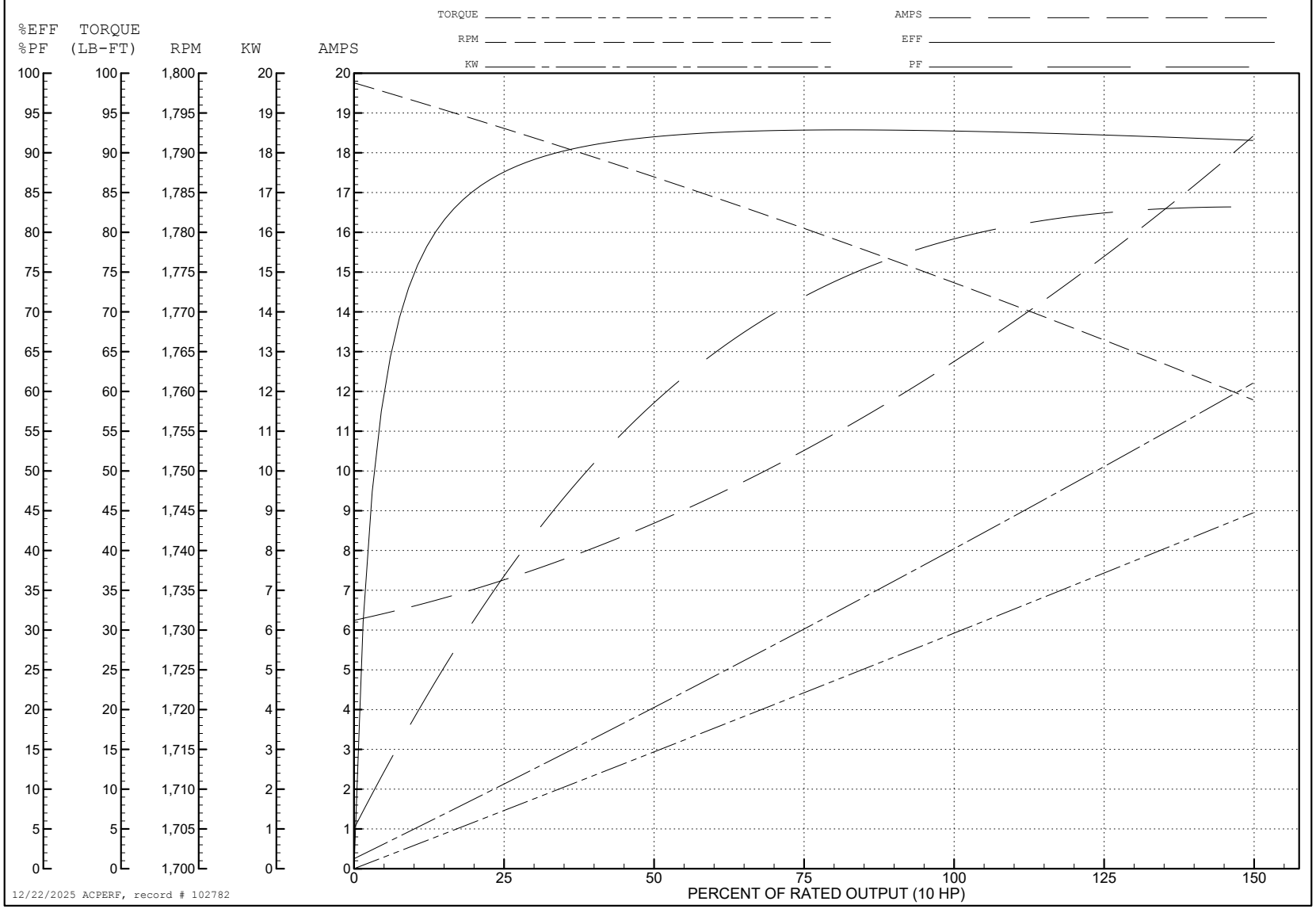
ABB Motors and Mechanical Inc.

WINDING # 37WGZ669

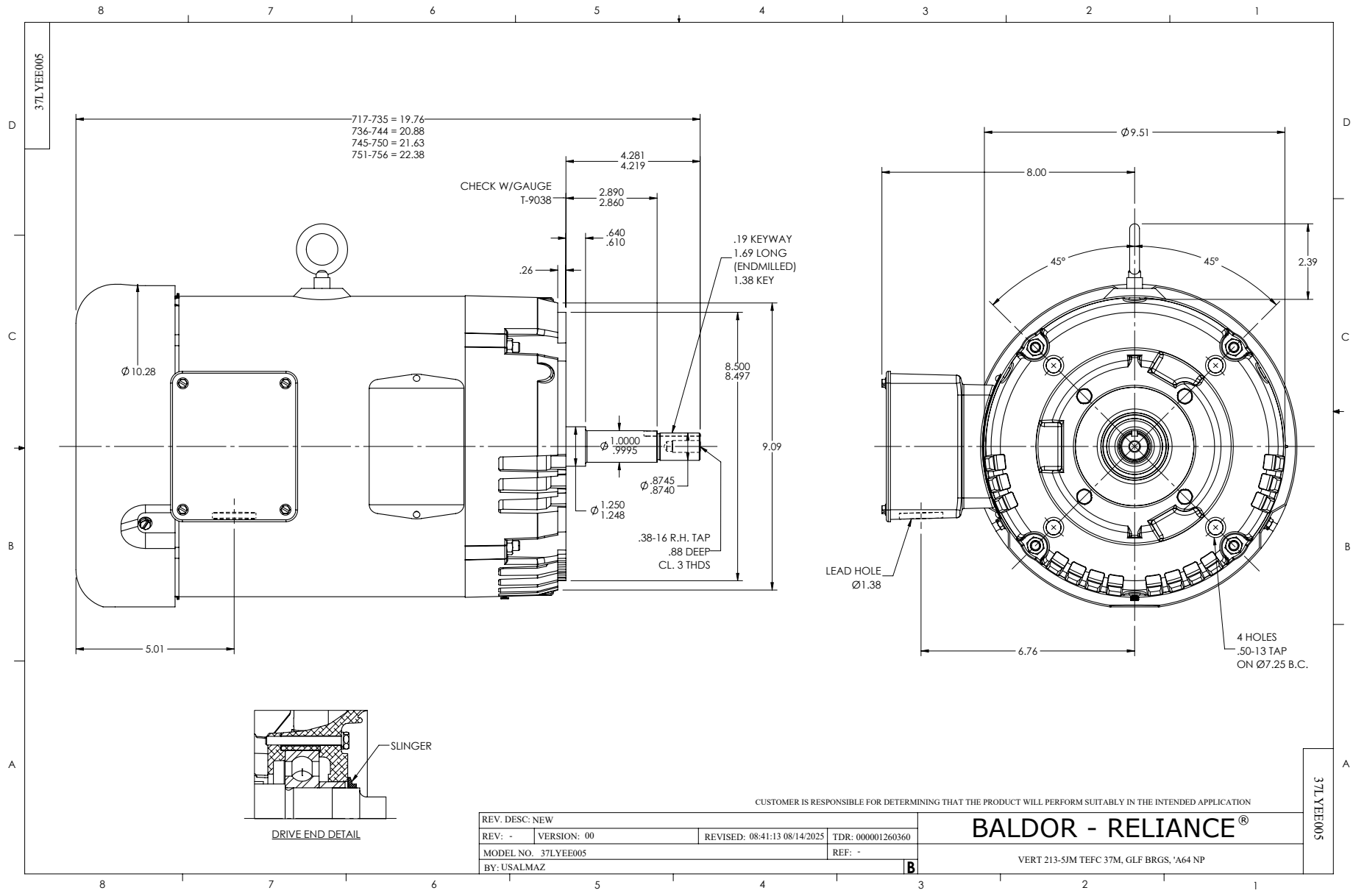
10 HP 3 PH 60 HZ 1775 RPM 460 V 3756M

Typical performance - not guaranteed values.

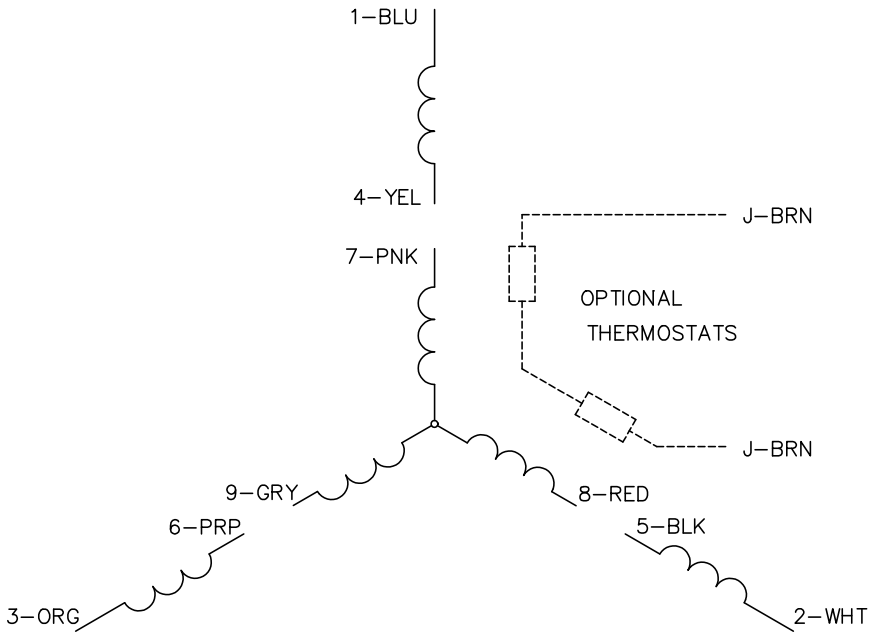
TORQUES(LB-FT): PO=125 PU=60.3 LR=75.2 LRA=121

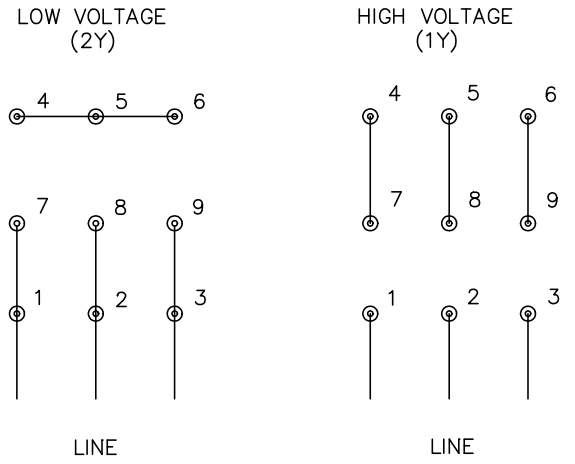


12/22/2025 ACPERF, record # 102782


37LYEE005
717-735 = 19.76
736-744 = 20.88
745-750 = 21.63
751-756 = 22.38
4.281
4.219
CHECK W/GAUGE
T-9038
2.890
2.860
.640
.610
.26
.19 KEYWAY
1.69 LONG
(ENDMILLED)
1.38 KEY
Ø 10.28
8.500
8.497
9.09
Ø 1.0000
.9995
Ø .8745
.8740
Ø 1.250
1.248
.38-16 R.H. TAP
.88 DEEP
CL. 3 THDS
5.01
Ø9.51
8.00
45°
45°
2.39
LEAD HOLE
Ø1.38
6.76
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
SLINGER
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 08:41:13 08/14/2025 TDR: 000001260360
MODEL NO. 37LYEE005 REF: -
BY: USALMAZ B
BALDOR - RELIANCE®
VERT 213-5JM TEFC 37M, GLF BRGS, 'A64 NP
37LYEE005

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