

ABB BALDOR RELIANCE III

Customer information packet

VSPM3714T

10HP, 1775RPM, 3PH, 60HZ, 213TC, 3756M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213TC
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 NEMA PREMIUM 4
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

Part Detail

Revision	B
Type	AC
Mech. spec.	37T656
Base	
Status	PRD/A
Elec. spec.	37WGZ669
Layout	37LYT656
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#14 Y
Proprietary	False
Created date	11-29-2023

Inverter Code	Inverter Duty
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	21.25 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 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 #	VSPM3714T	WGT	187	LBS	
SPEC	37T656Z669	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	213TC	HZ	60	CODE	L
		CLASS	F		
SER.F.	1.15	SF AMP	29/14.5	PH	3
		DES	A		
DE	6307	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
YR		QR			

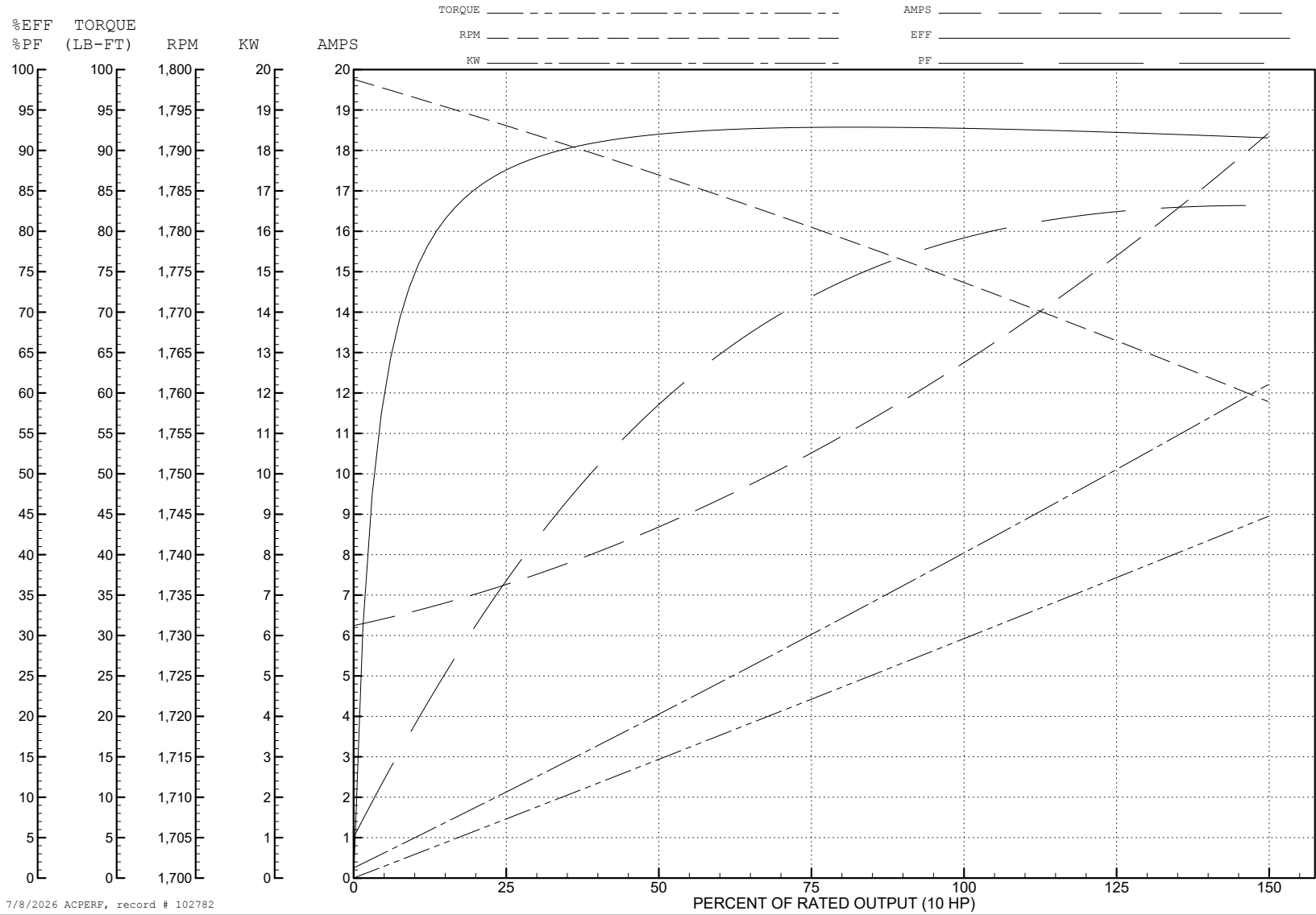
ABB Motors and Mechanical Inc.

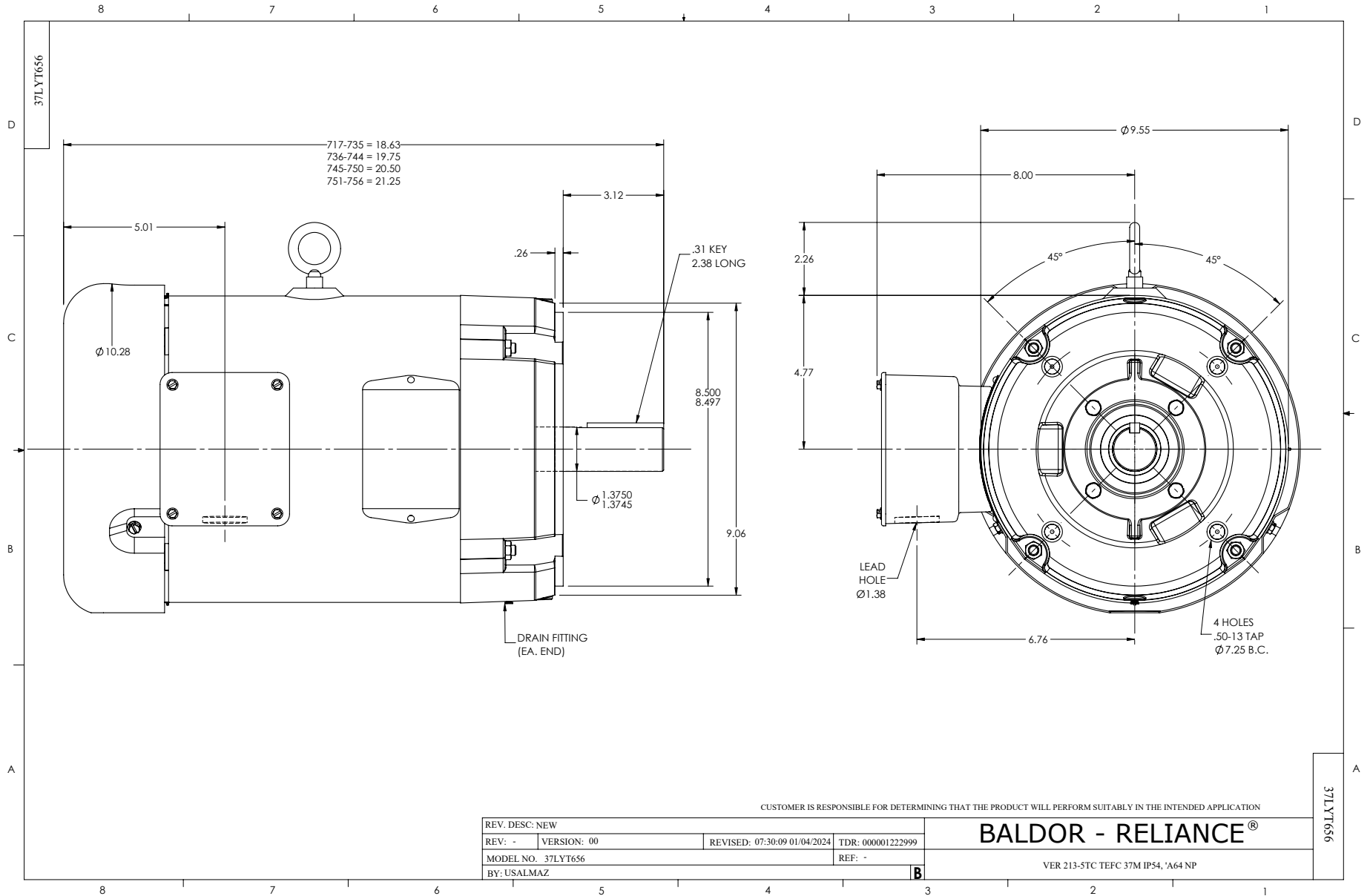
WINDING # 37WGZ669

Typical performance - not guaranteed values.

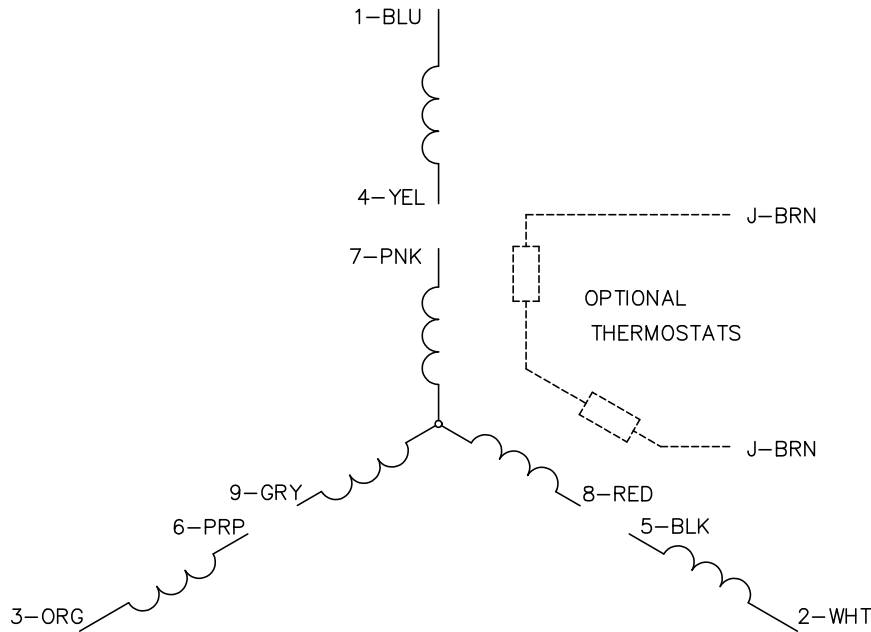
10 HP 3 PH 60 HZ 1775 RPM 460 V 3756M

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





CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS