

ABB BALDOR RELIANCE III

Customer information packet

AEM2332-4

10HP, 1180RPM, 3PH, 60HZ, 284U, 1032M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	284U
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	65 °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	13.800 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	13.8 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	V
Type	AC
Mech. spec.	10M36
Base	
Status	PRD/A
Elec. spec.	10WGY714
Layout	10LYM036
Eff. date	07-19-2023
CD Diagram	CD0006
Poles	06
Leads	3#10
Proprietary	False
Created date	04-28-2010

KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 10 AWG
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	1032M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	27.81 IN
Power Factor	75
Product Family	Automotive (Not For DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
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	1180 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

NP1404									
CAT.NO.									
SPEC.	10M036Y714								
VOLTS	460								
AMP	13.8								
RPM	1180			HP		10			
FRAME	284U		HZ		60		PH		3
SER.F.	1.00	CODE		H	DES		A	CL	F
NEMA-NOM-EFF	91	PF		75					
G.MIN.EFF	90.2	CC		010A					
RATING	65C AMB-CONT								
LUBRICATION	POLYREX EM								
DE	6311		ODE		6309				
ENCL	TEFC		SER. #						

Accessories

Part number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 30939

Typical performance - not guaranteed values

Winding: 10WGY714-R001			Type: 1032M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		10	Full Load Torque		44.5 LB-FT			
Volts		460	Start Configuration		direct on line			
Full Load Amps		13.8	Breakdown Torque		127 LB-FT			
R.P.M.		1180	Pull-up Torque		71.7 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		85.3 LB-FT		
NEMA Design Code		B	KVA Code	H	Starting Current		88.5 A	
Service Factor (S.F.)		1	No-load Current		7.26 A			
NEMA Nom. Eff.		91	Power Factor		75	Line-line Res. @ 25°C		1.03 Ω
Rating - Duty		65C AMB-CONT		Temp. Rise @ Rated Load		34°C		
				Locked-rotor Power Factor		36		
				Rotor inertia		3.92 LB-FT2		

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	36	56	68	75	78	79
Efficiency	82.3	88.4	90	91.1	90.3	90.7
Speed	1194	1190	1186	1181	1177	1171
Line amperes	7.92	9.31	11.4	13.8	16.6	19.7

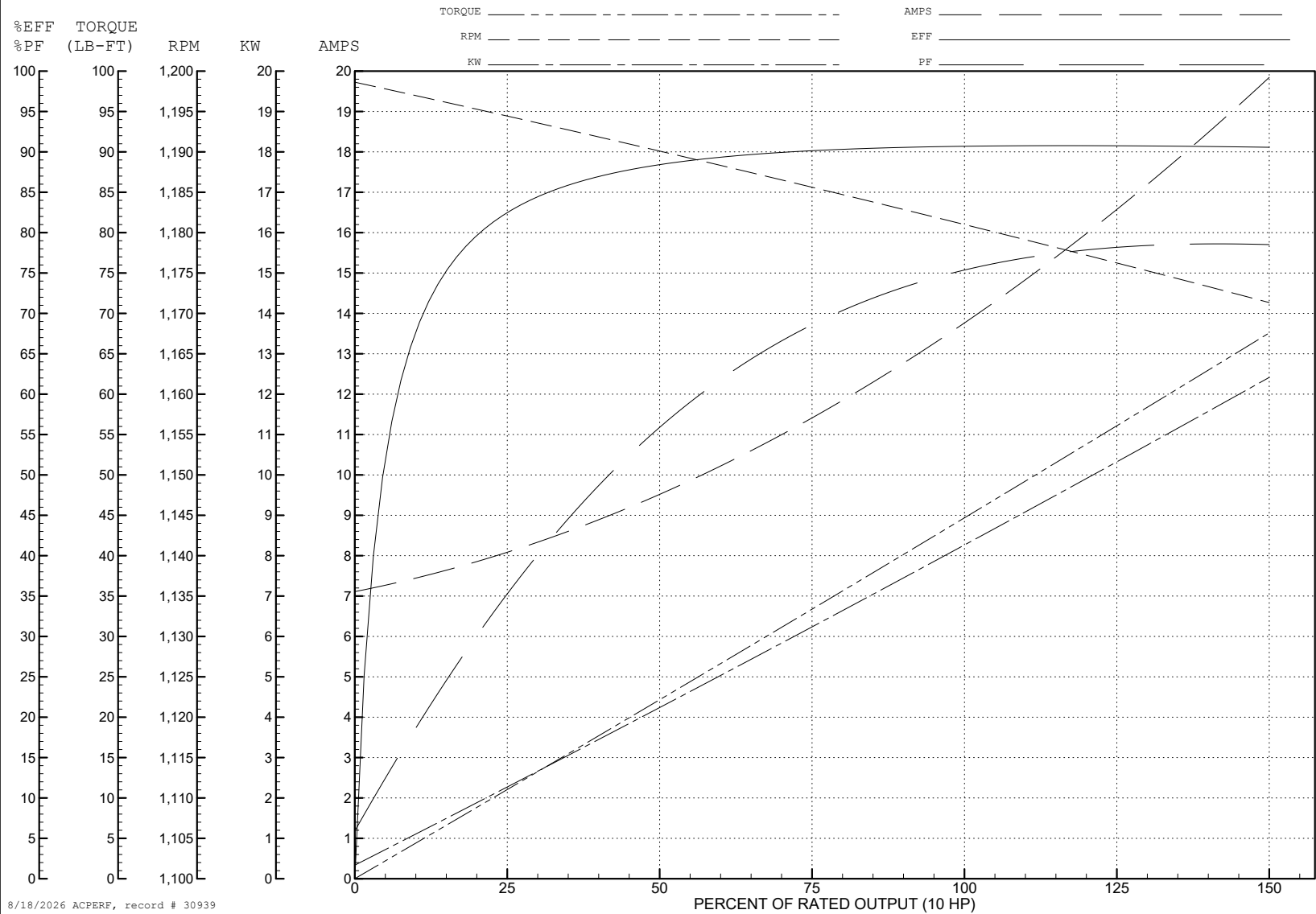
ABB Motors and Mechanical Inc.

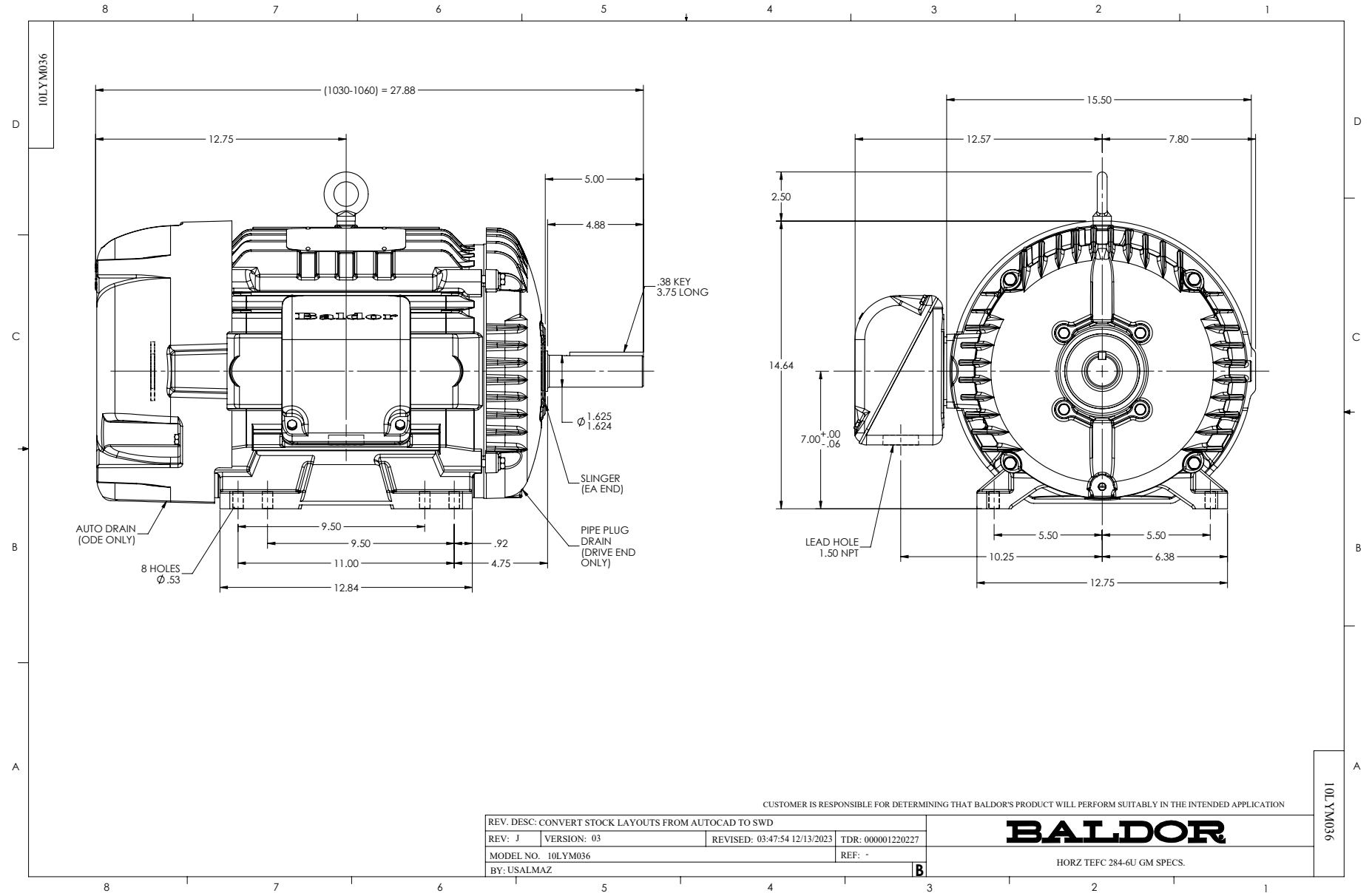
WINDING # 10WGY714

Typical performance - not guaranteed values.

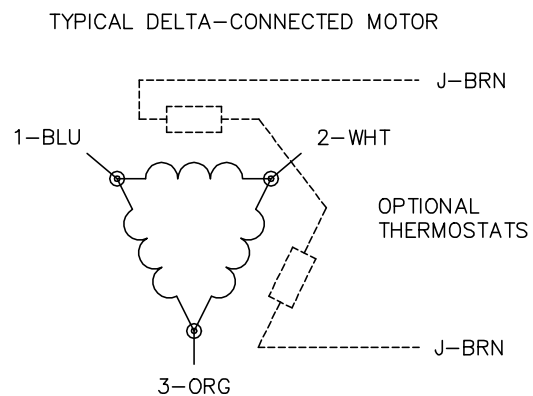
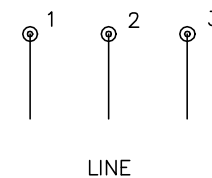
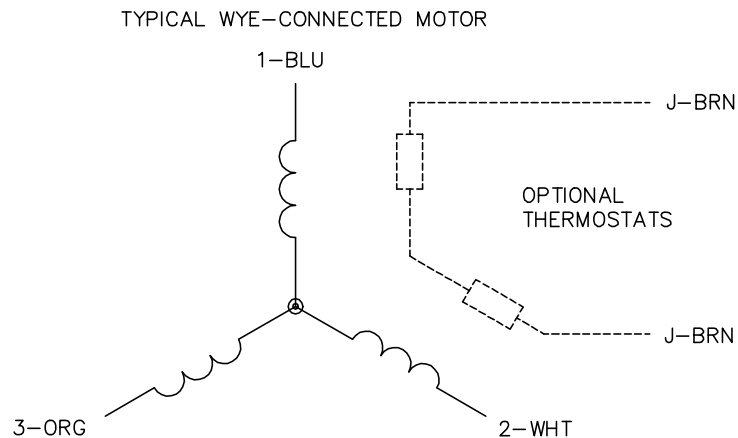
10 HP 3 PH 60 HZ 1180 RPM 460 V 1032M

TORQUES (LB-FT): PO=127 PU=71.7 LR=85.3 LRA=88.5





CD0006


NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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