ABB BALDOR RELIANCE

Customer information packet

AM2275-4

5HP, 1170RPM, 3PH, 60HZ, 254U, 0932M, TEFC, F1
Class -
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254U
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	7.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
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	7.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	L
Type	AC
Mech. spec.	09T36
Base	
Status	NLA/A
Elec. spec.	09WGW689
Layout	09LYT036
Eff. date	10-19-2009
CD Diagram	CD0006
Poles	06
Leads	3#12
Proprietary	False
Created date	01-01-0001

Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0932M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	22.91 IN
Power Factor	77
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1170 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1404								
CAT.NO.								
SPEC.	09T36W689							
VOLTS	460							
AMP	7							
RPM	1170		**HP**	5				
FRAME	254U	**HZ**	60		**PH**	3		
SER.F.	1.00	**CODE**	H	**DES**	B	**CL**	F	
PF	77							
CC								
RATING	65C AMB-CONT							
LUBRICATION	POLYREX EM							
DE	6309	**ODE**	6208					
ENCL	TEFC	**SER. #**						
	MEETS GM-7EQ							

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 1293
Typical performance - not guaranteed values

Winding: 09WGW689-R001	**Type:** 0932M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	23.2 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			7	**Breakdown Torque**	61 LB-FT
R.P.M.			1170	**Pull-up Torque**	34 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	39 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	45 A
Service Factor (S.F.)			1	**No-load Current**	3 A
NEMA Nom. Eff.	86.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	2.465 Ω
Rating - Duty			65C AMB-CONT	**Temp. Rise @ Rated Load**	37°C
				Locked-rotor Power Factor	30
				Rotor inertia	2.58 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	42	62	73	78	80	82
Efficiency	81.3	86.6	87.9	87.9	86.9	85.6
Speed	1195	1191	1186	1182	1176	1169
Line amperes	3.6	4.6	5.7	7.1	8.7	10.3

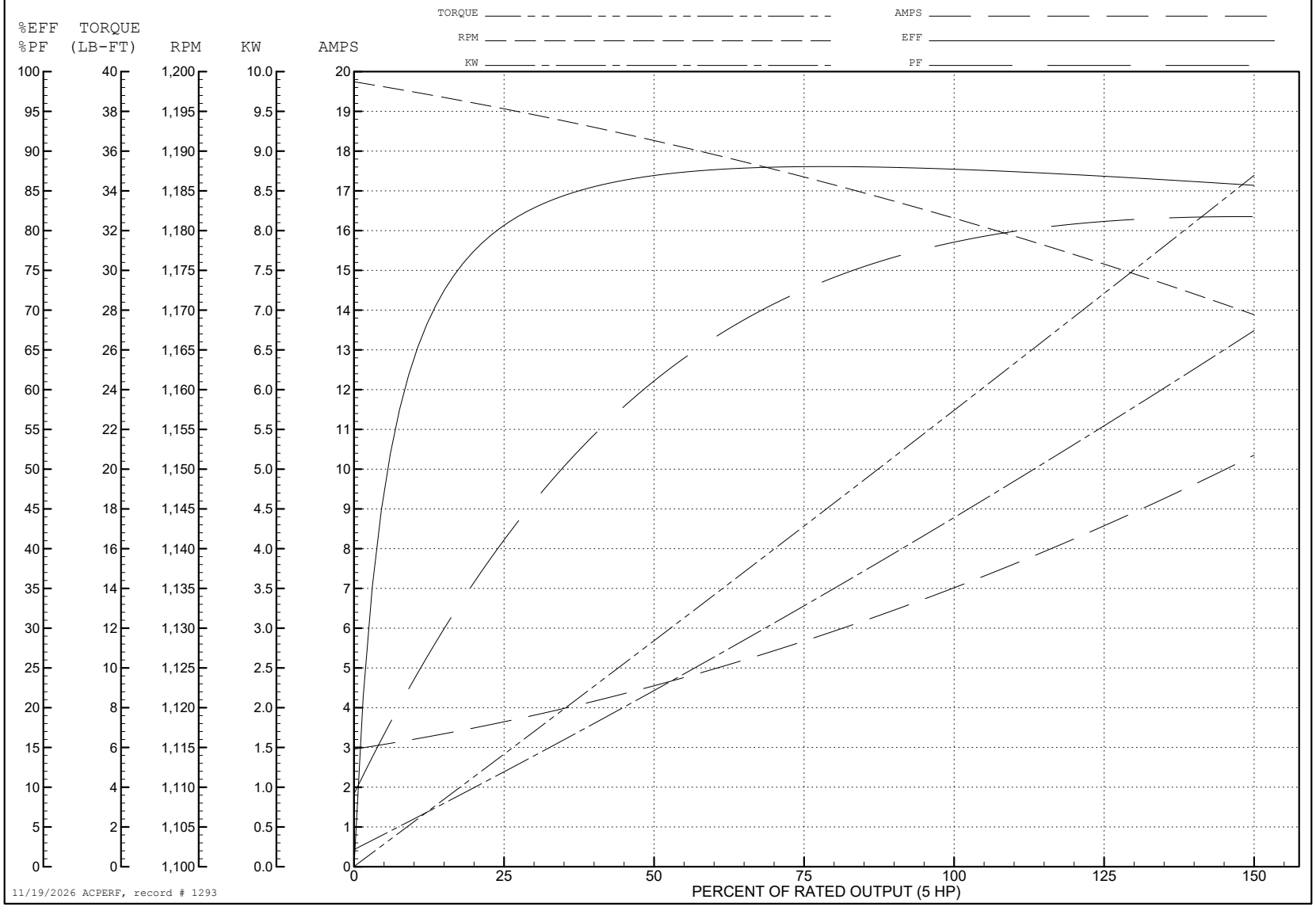
ABB Motors and Mechanical Inc.

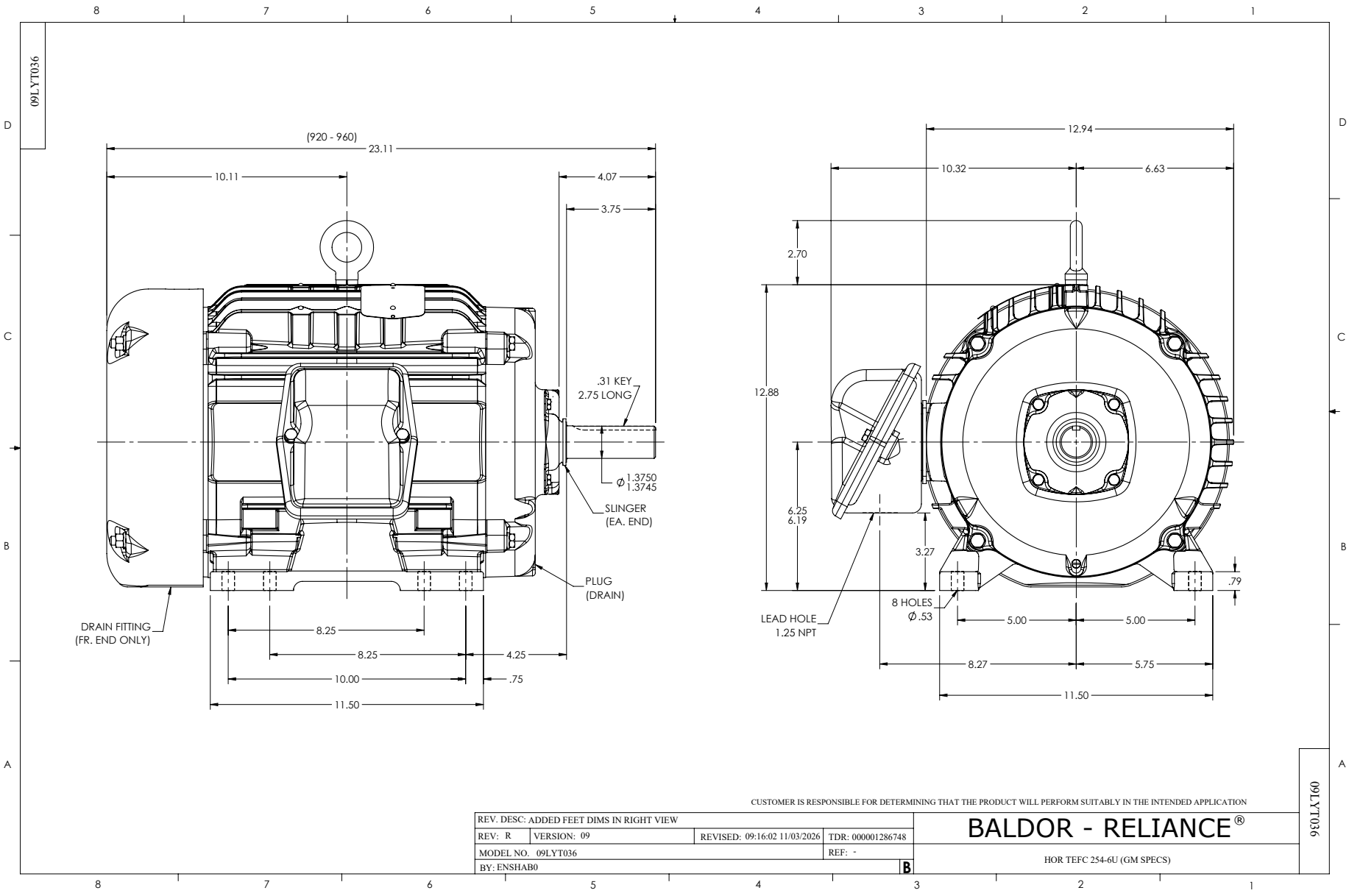
WINDING # 09WGW689

5 HP 3 PH 60 HZ 1170 RPM 460 V 0932M

Typical performance - not guaranteed values.

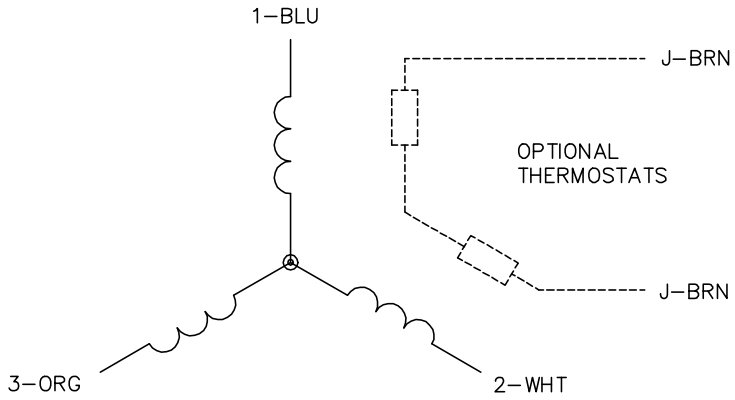
TORQUES(LB-FT): PO=61 PU=34 LR=39 LRA=45

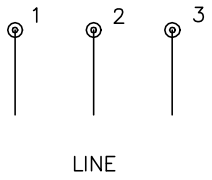



09LYT036
(920 - 960)
23.11
10.11
4.07
3.75
.31 KEY
2.75 LONG
Ø 1.3750
1.3745
SLINGER
(EA. END)
PLUG
(DRAIN)
DRAIN FITTING
(FR. END ONLY)
8.25
8.25
4.25
10.00
.75
11.50
12.94
10.32
6.63
2.70
12.88
6.25
6.19
3.27
.79
8 HOLES
Ø .53
LEAD HOLE
1.25 NPT
5.00
5.00
8.27
5.75
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADDED FEET DIMS IN RIGHT VIEW
REV: R
VERSION: 09
REVISED: 09:16:02 11/03/2026
TDR: 000001286748
MODEL NO. 09LYT036
REF: -
BY: ENSHAB0
B
BALDOR - RELIANCE®
HOR TEFC 254-6U (GM SPECS)
09LYT036

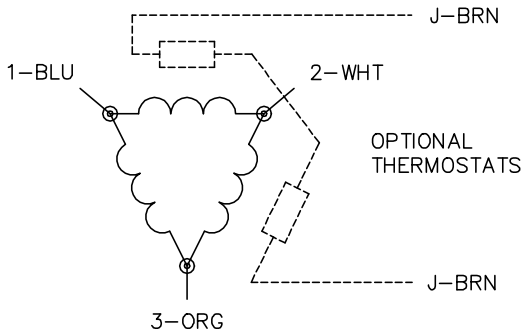
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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

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REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

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