ABB BALDOR RELIANCE

Customer information packet

M2393

10HP, 3500RPM, 3PH, 60HZ, 254U, 0727M, TEFC, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 7:18:23 PM

Specifications

Enclosure	TEFC
Frame	254U
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	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	CSA
	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	26.000 A @ 208.0 V
	24.000 A @ 230.0 V
	12.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	F
Type	AC
Mech. spec.	07H287
Base	
Status	NLA/A
Elec. spec.	07WGY013
Layout	07LYH287
Eff. date	03-02-2016
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	09-12-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0728M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	20.82 IN
Power Factor	86
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP1256L									
CAT.NO.									
SPEC.	07H287Y013H1								
HP	10								
VOLTS	208-230/460								
AMP	26-24/12								
RPM	3500								
FRAME	254U	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	89.5	**PF**	86						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6307						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
37-1302	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 35429
Typical performance - not guaranteed values

Winding: 07WGY013-R001	**Type:** 0728M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	14.92 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			26-24/12	**Breakdown Torque**	52.74 LB-FT
R.P.M.			3500	**Pull-up Torque**	23.8 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	24.61 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	81.84 A
Service Factor (S.F.)			1.15	**No-load Current**	4.44 A
NEMA Nom. Eff.	89.5	**Power Factor**	86	**Line-line Res. @ 25ºC**	0.948 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps				**Temp. Rise @ S.F. Load**	73°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	0.255 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	74	82	87	89	89	87
Efficiency	85.5	90.4	91.1	90.6	90	88.4	90.2
Speed	3578	3555	3532	3503	3474	3441	3484
Line amperes	5.26	6.97	9.27	11.84	14.63	17.81	13.6

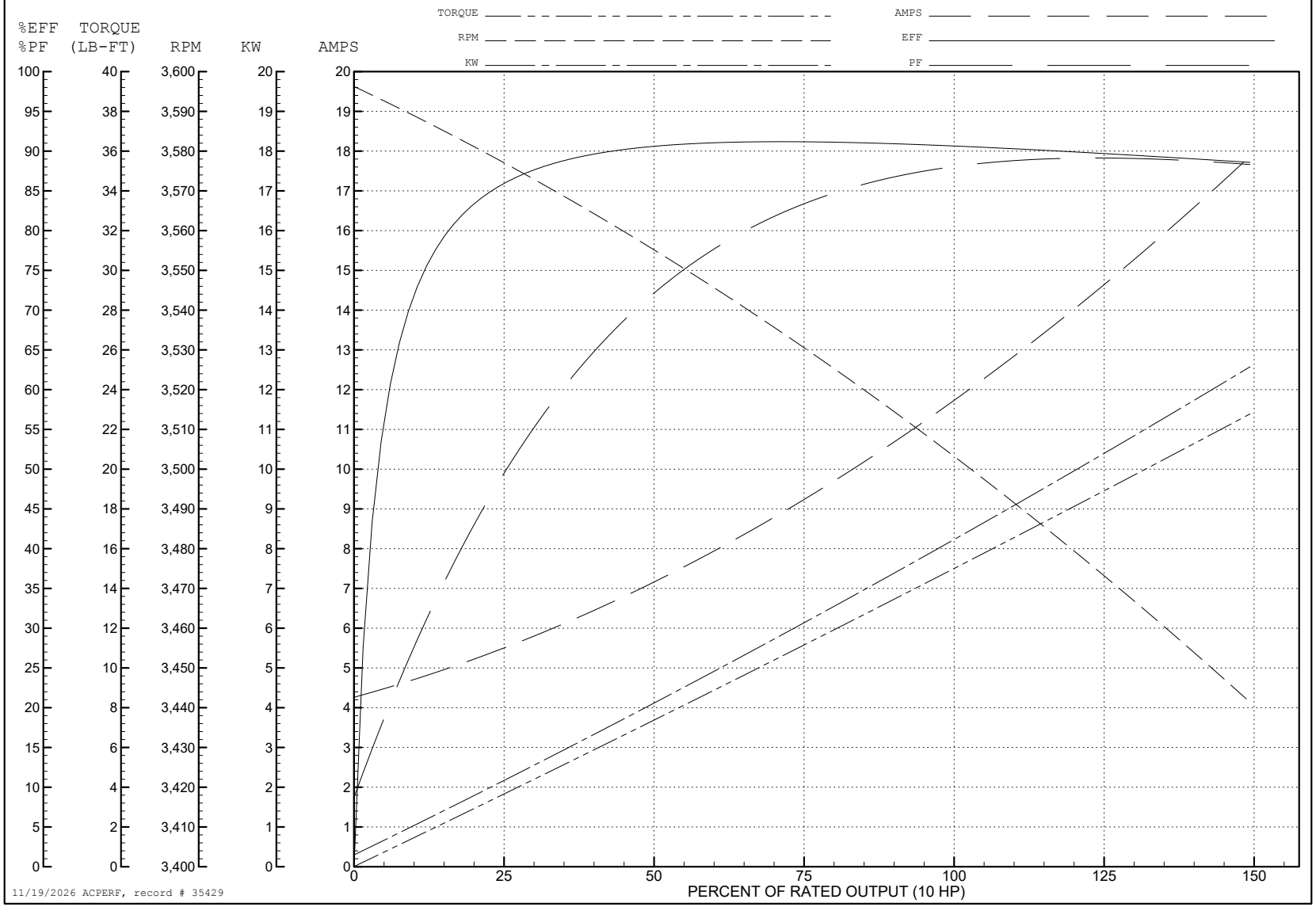
ABB Motors and Mechanical Inc.

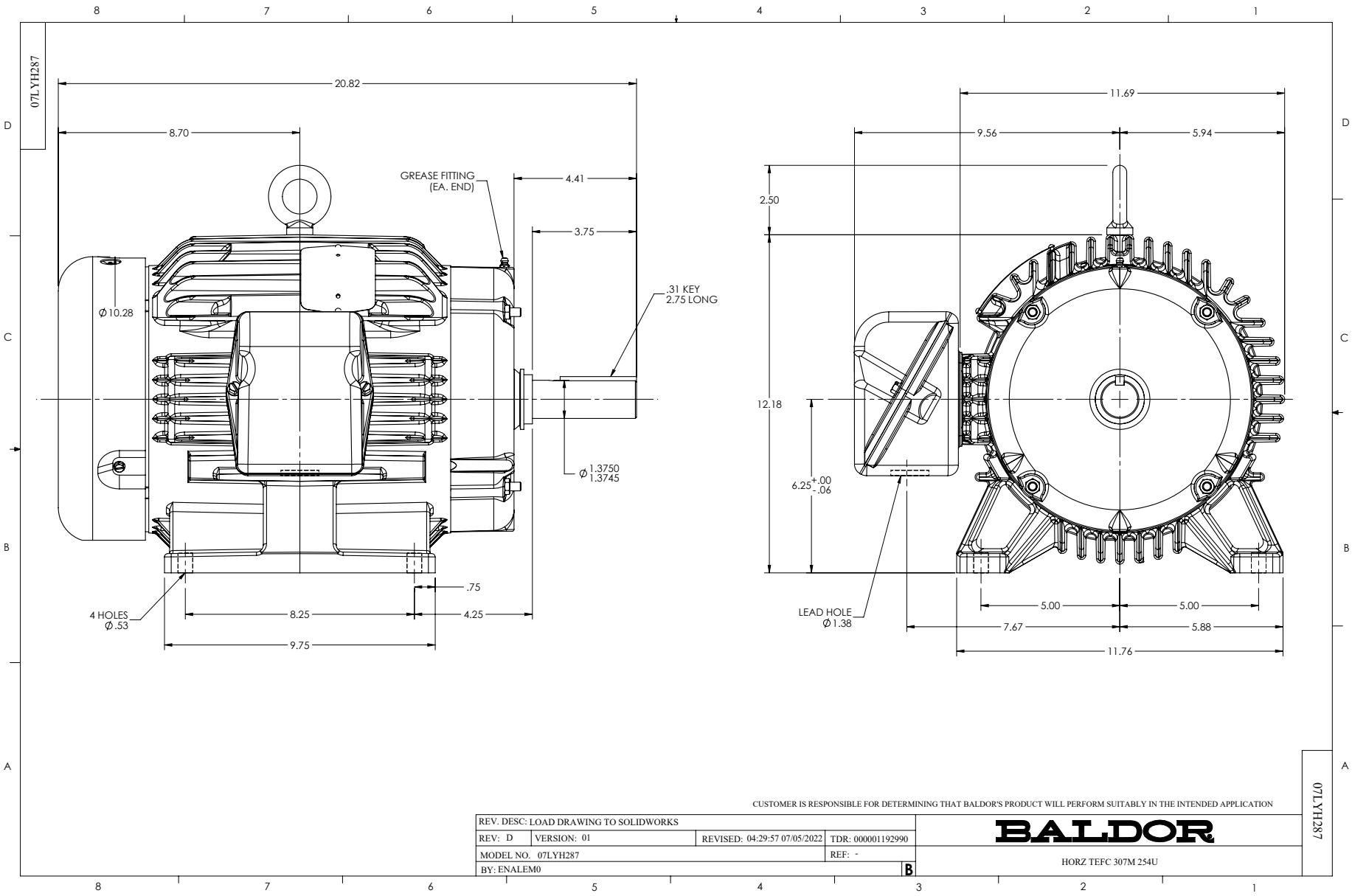
WINDING # 07WGY013

10 HP 3 PH 60 HZ 3500 RPM 460 V 0728M

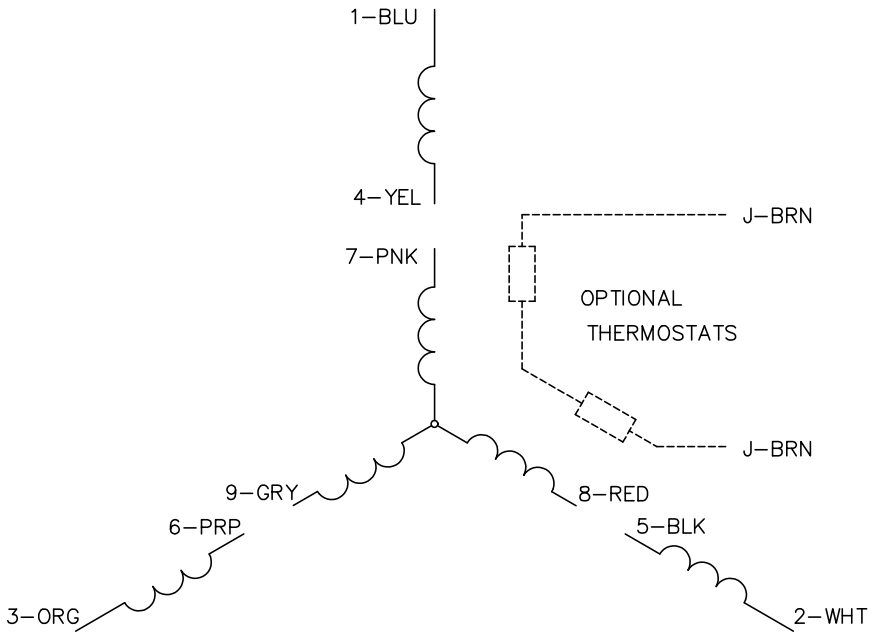
Typical performance - not guaranteed values.

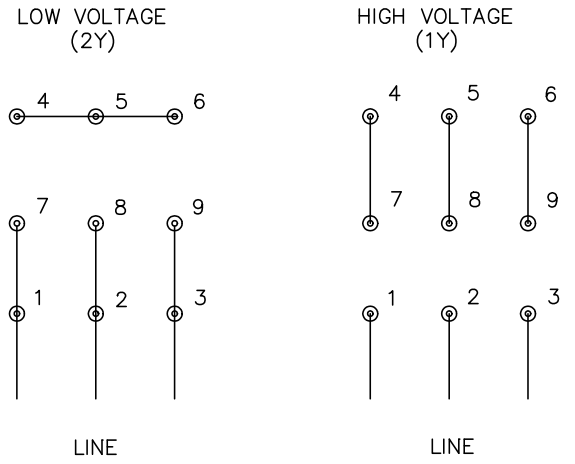
TORQUES(LB-FT): PO=52.74 PU=23.8 LR=24.61 LRA=81.84




07LYH287
20.82
8.70
GREASE FITTING (EA. END)
4.41
3.75
.31 KEY 2.75 LONG
Ø10.28
Ø 1.3750 1.3745
.75
4 HOLES Ø.53
8.25
4.25
9.75
11.69
9.56
5.94
2.50
12.18
6.25 +.00 -.06
LEAD HOLE Ø1.38
5.00
5.00
7.67
5.88
11.76
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: D
VERSION: 01
REVISED: 04:29:57 07/05/2022
TDR: 000001192990
MODEL NO. 07LYH287
REF: -
BY: ENALEM0
B
BALDOR
HORZ TEFC 307M 254U
07LYH287

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