

ABB BALDOR RELIANCE III

Customer information packet

EM3661T-8

32M 4P TEFC HOR 182T SUPER E

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM CURUSEEV
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	9.500 A @ 200.0 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 Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.5 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	D
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGX323
Layout	06LYC101
Eff. date	08-05-2024
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	12-14-2018

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.24 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1755 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

NP3441L									
CAT.NO.	EM3661T-8								
SPEC.	06C101X323G1								
HP	3								
VOLTS	200								
AMP	9.5								
RPM	1755								
FRAME	182T		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	77						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	TEFC	SN							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									

Accessories

Part number	Description	Multiplier
36-1749	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 35620

Typical performance - not guaranteed values

Winding: 06WGX323-R001			Type: 0632M		Enclosure: TEFC		
Nameplate Data			200 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		3	Full Load Torque		9.07 LB-FT		
Volts		200	Start Configuration		direct on line		
Full Load Amps		9.5	Breakdown Torque		33.13 LB-FT		
R.P.M.		1755	Pull-up Torque		18.25 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		20.45 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current		68.91 A
Service Factor (S.F.)		1.15	No-load Current		4.98 A		
NEMA Nom. Eff.		89.5	Power Factor	77	Line-line Res. @ 25°C		0.764 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps				Temp. Rise @ S.F. Load		43°C	
				Locked-rotor Power Factor		42	
				Rotor inertia		0.298 LB-FT2	

Load Characteristics 200 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	70	77	81	83	79
Efficiency	83.2	88.7	89.9	89.6	89	87.5	89.2
Speed	1790	1780	1769	1757	1745	1730	1750
Line amperes	5.43	6.45	7.84	9.46	11.33	13.5	10.6

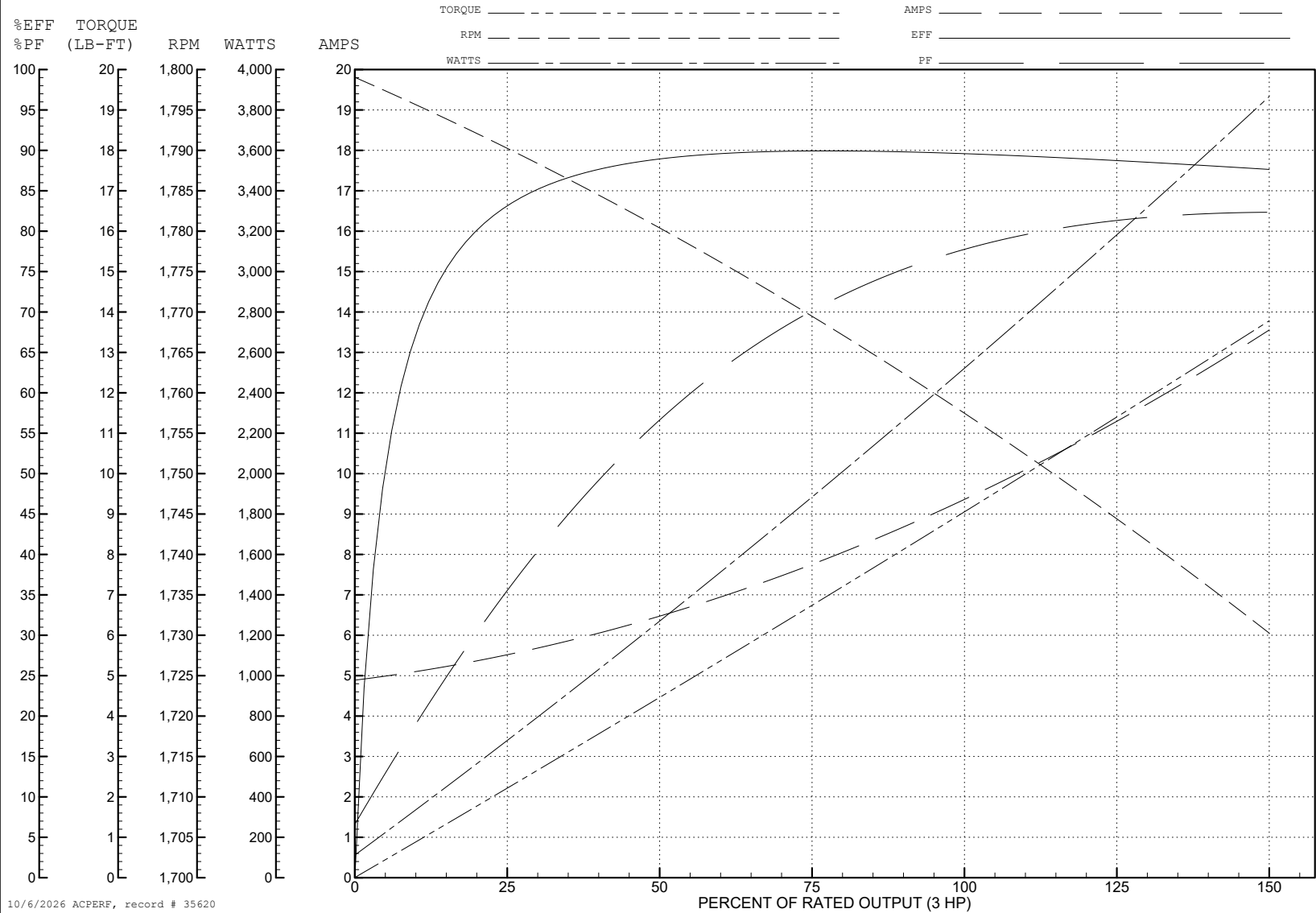
ABB Motors and Mechanical Inc.

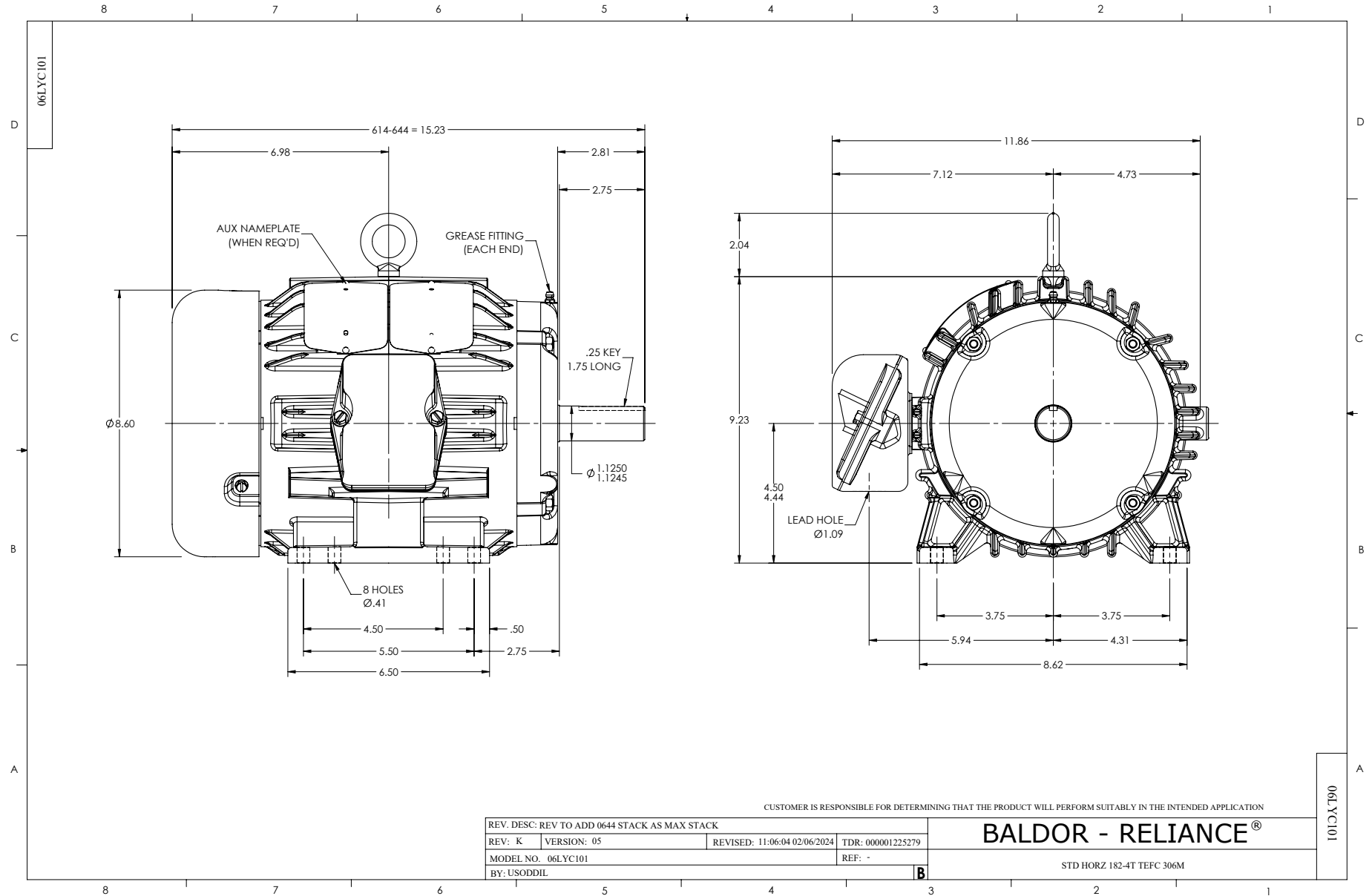
WINDING # 06WGX323

Typical performance - not guaranteed values.

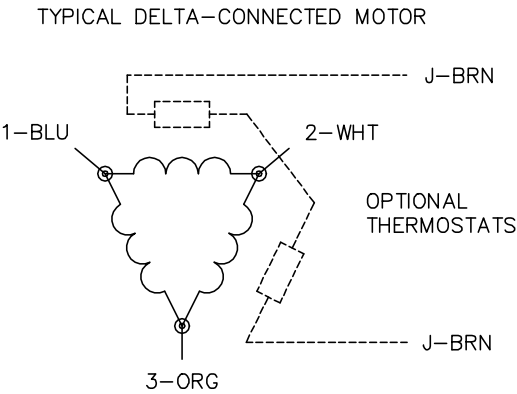
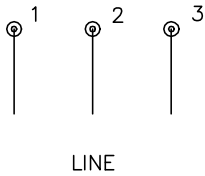
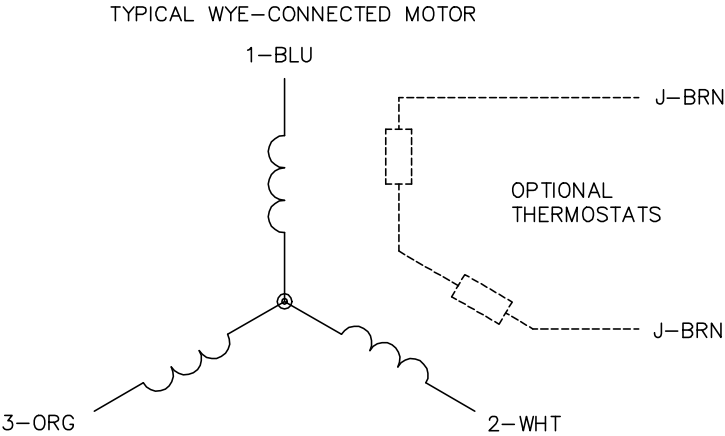
3 HP 3 PH 60 HZ 1755 RPM 200 V 0632M

TORQUES (LB-FT): PO=33.13 PU=18.25 LR=20.45 LRA=68.91





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

SH 1 of 1