

**BALDOR® • RELIANCE™**

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# Customer information packet

## EM3661T

32M 4P TEFC HOR 182T SUPER E

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	NEMA PREMIUM NEMA_PREMIUM UR CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.200 A @ 230.0 V 8.600 A @ 208.0 V 4.100 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 Shaft Indicator	None

## Part detail

Revision	B
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGX181
Layout	06LYC101
Eff. date	02-21-2022
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-14-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 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**

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**Nameplate**

**NP3441LUA**

<b>CAT.NO.</b>	EM3661T						
<b>SPEC</b>	06C101X181G4						
<b>HP</b>	3						
<b>VOLTS</b>	230/460						
<b>AMPS</b>	8.2/4.1						
<b>RPM</b>	1755						
<b>FRAME</b>	182T	<b>HZ</b>	60	<b>PH</b>	3		
<b>SF</b>	1.15	<b>CODE</b>	J	<b>DES</b>	B	<b>CLASS</b>	F
<b>NEMA NOM. EFF</b>	89.5	<b>PF</b>	77				
<b>RATING</b>	40C AMB-CONT						
<b>CC</b>	010A	<b>USABLE AT 208V</b>				N/A	
<b>ENCL</b>	TEFC	<b>SER</b>					
<b>DE</b>	6206	<b>ODE</b>	6205				
<b>VPWM INVERTER READY</b>	SFA 9.2/4.6						
<b>CT6-60H(10:1)VT3-60H(20:1)</b>	50HZ 3HP 190/380V 9.6/4.8A						SF1.0

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
36-1749	C FACE KIT	A8

## AC Induction Motor Performance Data

Record # 35861

Typical performance - not guaranteed values

Winding: 06WGX181-R006		Type: 0632M		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)		3	Full Load Torque		9.06 LB-FT
Volts		230/460	Start Configuration		direct on line
Full Load Amps		8.2/4.1	Breakdown Torque		33.1 LB-FT
R.P.M.		1755	Pull-up Torque		18.2 LB-FT
Hz	60 Phase	3	Locked-rotor Torque		20.4 LB-FT
NEMA Design Code	B KVA Code	J	Starting Current		29.8 A
Service Factor (S.F.)		1.15	No-load Current		2.14 A
NEMA Nom. Eff.	89.5 Power Factor	77	Line-line Res. @ 25°C		3.94 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		35°C
S.F. Amps			Temp. Rise @ S.F. Load		42°C
			Locked-rotor Power Factor		41
			Rotor inertia		0.298 LB-FT <sup>2</sup>

## Load Characteristics 460 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	88.3	89.8	89.7	89.1	87.7	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

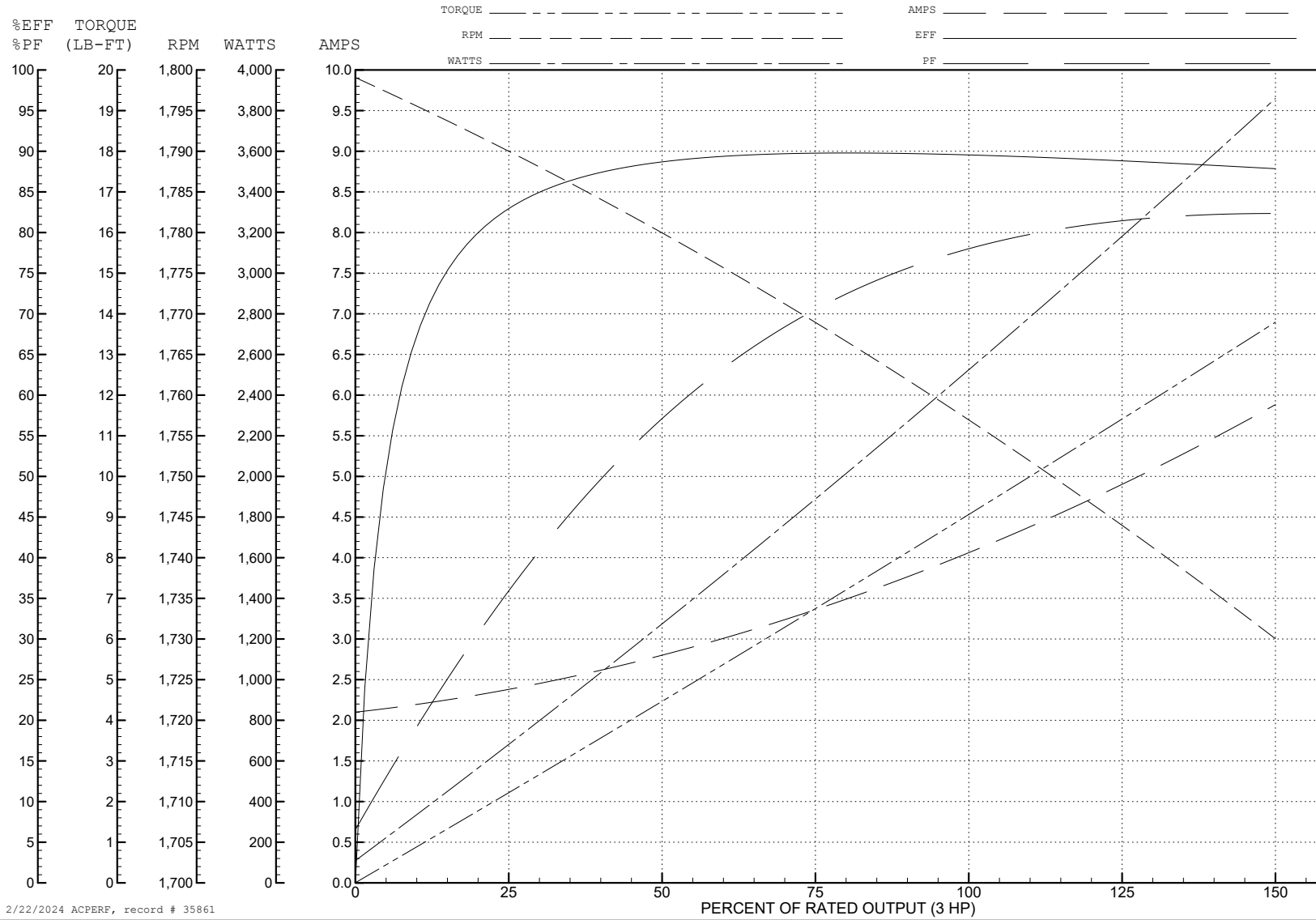
ABB Motors and Mechanical Inc.

WINDING # 06WGX181

3 HP 3 PH 60 HZ 1755 RPM 460 V 0632M

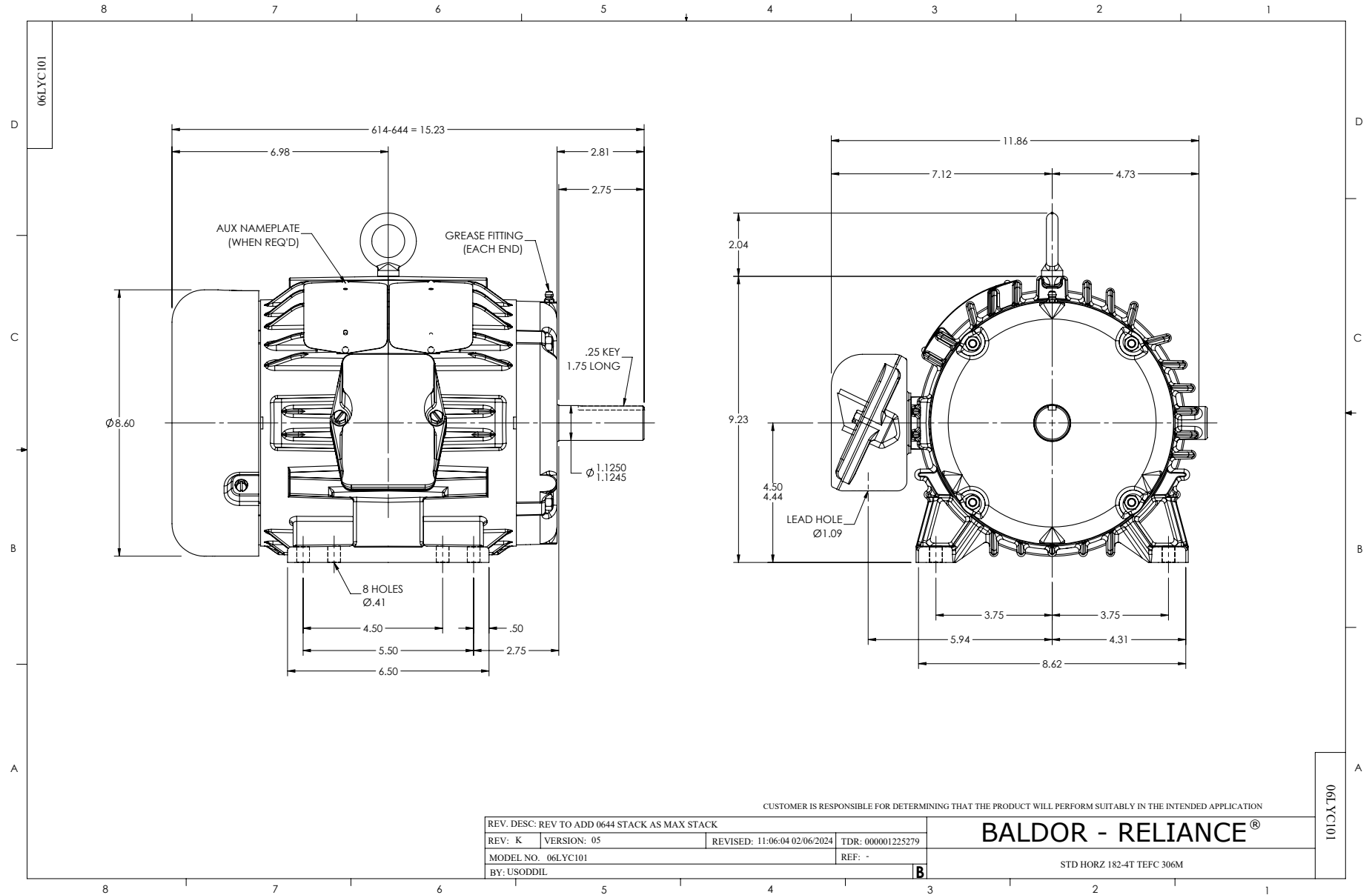
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8



2/22/2024 ACPERF, record # 35861

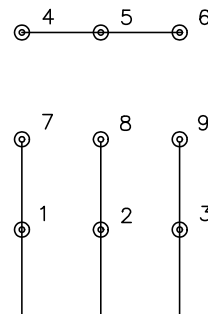




CD0005

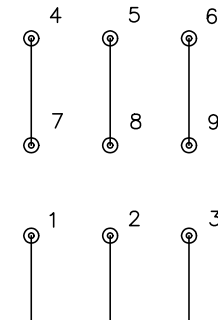


LOW VOLTAGE  
(2Y)



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.

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

CD0005