BALDOR • RELIANCE

Customer information packet

GNEM3665T

42M 4P TEFC HOR 184T SUPER E, IE3
Class - None
Division - Not Applicable

2/16/2025 10:44:52 PM

Specifications

Enclosure	TEFC
Frame	184T
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
	5.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	WEEE
	UR
	UKCA
	NEMA_PREMIUM
	IE3
	CURUS
	CSA
	CE
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	7.600 A @ 380.0 V
	6.500 A @ 460.0 V

Part detail

Revision	K
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGW567
Layout	06LYC101
Eff. date	08-05-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	12-14-2018

	15.200 A @ 190.0 V 13.600 A @ 208.0 V 13.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.5 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
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	0642M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.24 IN
Power Factor	80
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	1450 rpm
	1750 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

NP4304L									
CAT.NO.	GNEM3665T								
SPEC.	06C101W567G1								
HP	5/3.7KW				**PH**	3			
VOLTS	208-230/460//190/380								
AMPS	13.6-13/6.5//15.2/7.6								
R.P.M. (1/MIN)	1750//1450				**WT.**	52KG	**KG**		
FRAME	184T	**HZ**	60//50		**I.P.**	44			
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	F		
NOM.EFF.	90.2//88.6	**% (100%)**							
P.F.	80	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT			**CC**	010A				
DE	6206	**ODE**	6205						
ENCL	TEFC	**SN**							
	IE3-50HZ 90.0 (75%),89.2 (50%)								
	IE3-60HZ 90.9 (75%),90.6 (50%)								

AC Induction Motor Performance Data
Record # 62293
Typical performance - not guaranteed values

Winding: 06WGW567-R084	**Type:** 0642M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	14.89 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			13.6-13/6.5//15.2/7.6	**Breakdown Torque**	58.3 LB-FT
R.P.M.			1750//1450	**Pull-up Torque**	25.18 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	41.3 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	54.8 A
Service Factor (S.F.)			1.15	**No-load Current**	3.49 A
NEMA Nom. Eff.	90.2	**Power Factor**	80	**Line-line Res. @ 25ºC**	2.34 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	46°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C
				Locked-rotor Power Factor	53
				Rotor inertia	0.39 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	37	59	72	79	84	85	82
Efficiency	84.8	89.7	90.8	90.5	89.7	88.5	90
Speed	1790	1780	1770	1760	1748	1734	1753
Line amperes	3.78	4.46	5.43	6.52	7.81	9.27	7.29

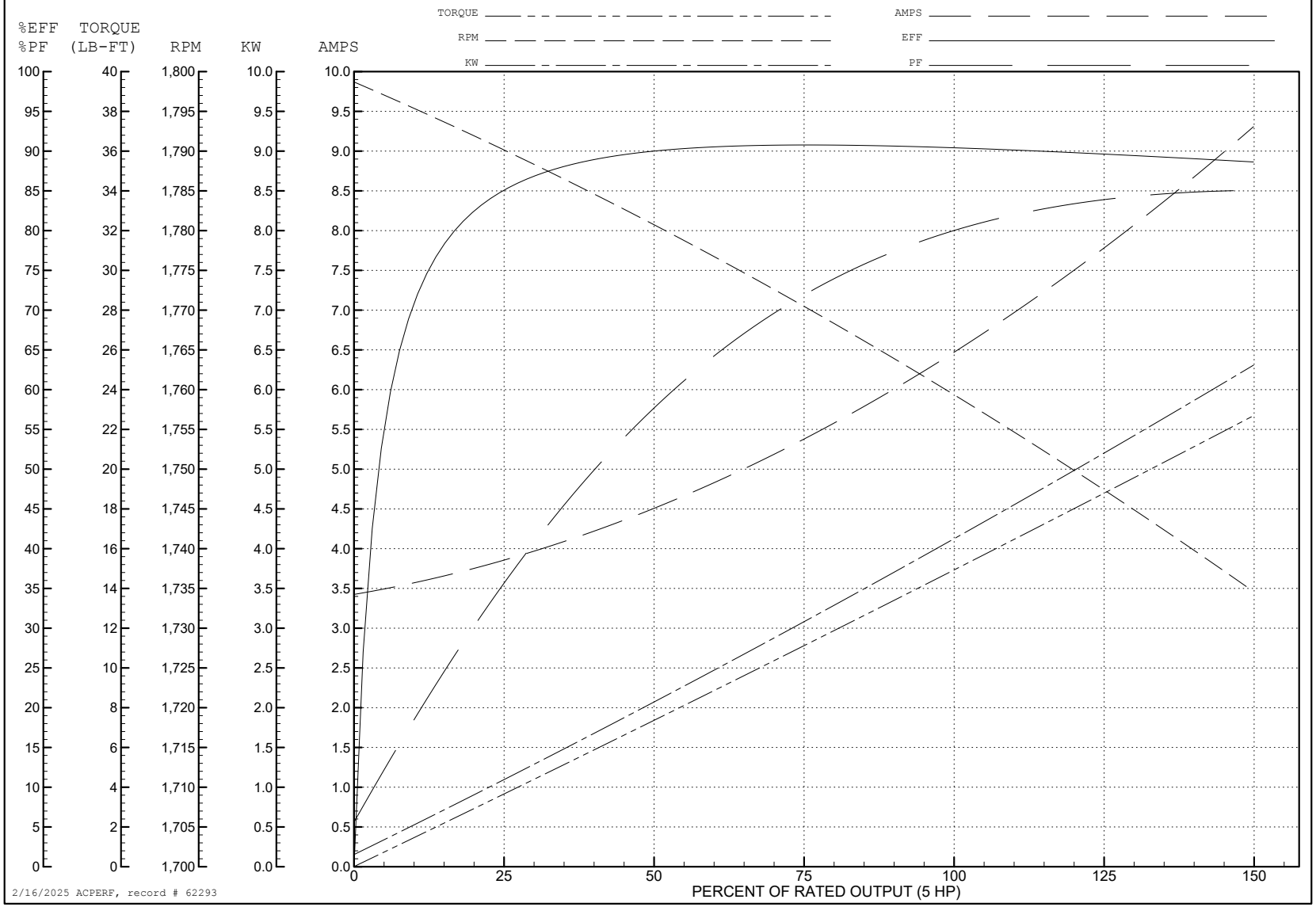
ABB Motors and Mechanical Inc.

WINDING # 06WGW567

5 HP 3 PH 60 HZ 1760 RPM 460 V 0642M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=58.3 PU=25.18 LR=41.3 LRA=54.8



2/16/2025 ACPERF, record # 62293

AC Induction Motor Performance Data
Record # 82292
Typical performance - not guaranteed values

Winding: 05WGX571-R003	**Type:** 0526M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	4.479 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.5-3.4/1.7	**Breakdown Torque**	11.9 LB-FT
R.P.M.			1155	**Pull-up Torque**	7.06 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	8.62 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	9.06 A
Service Factor (S.F.)			1.15	**No-load Current**	1.02 A
NEMA Nom. Eff.	82.5	**Power Factor**	67	**Line-line Res. @ 25ºC**	20.372 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	46°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C
				Locked-rotor Power Factor	48.3

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	47	1	1	1	1	1
Efficiency	73.5	81.9	83.5	83.1	81.6	79.1	82.2
Speed	1192.5	1185.4	1177.6	1168.7	1159	1147	1163
Line amperes	1.07	1.21	1.41	1.67	1.98	2.35	1.86

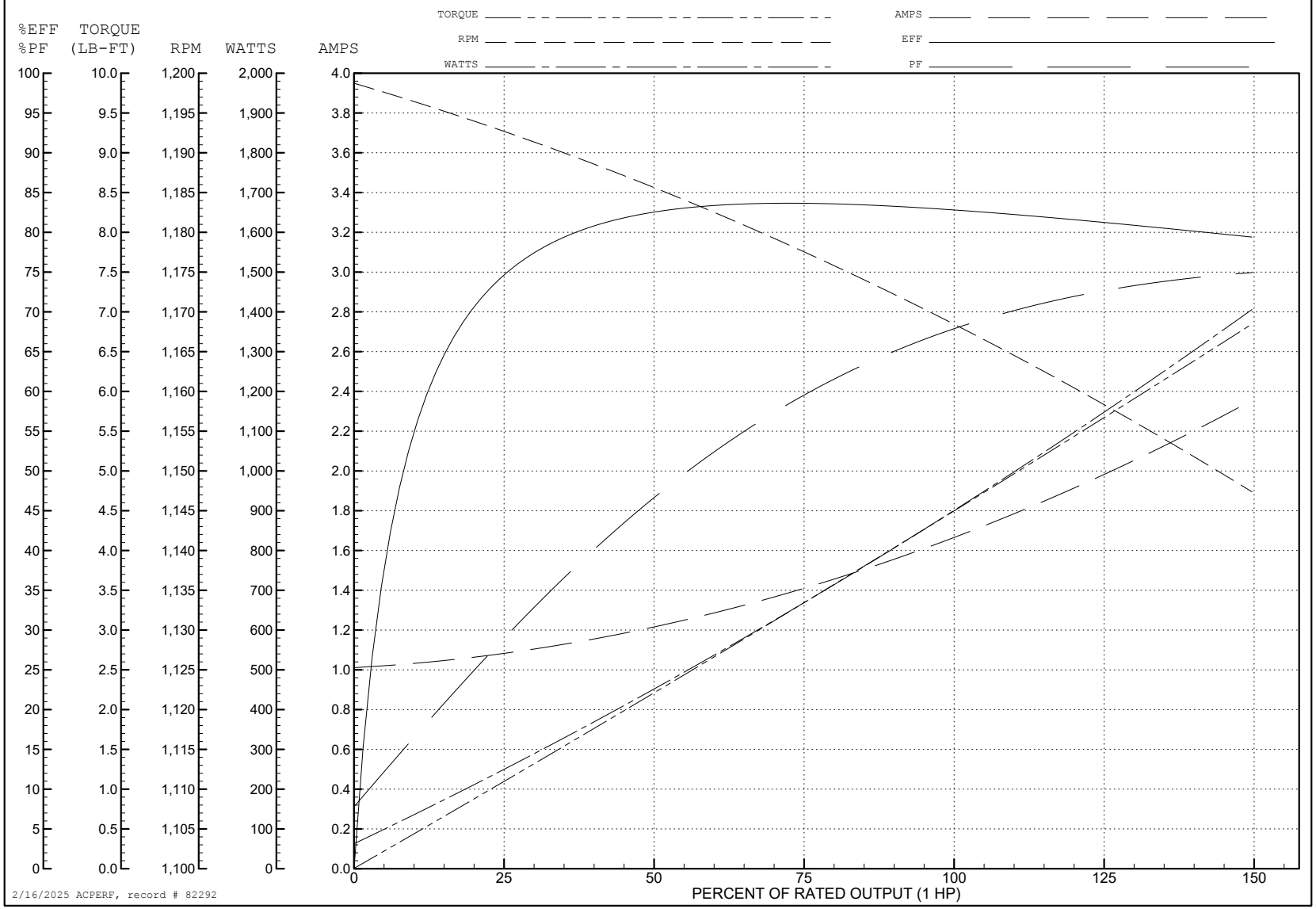
ABB Motors and Mechanical Inc.

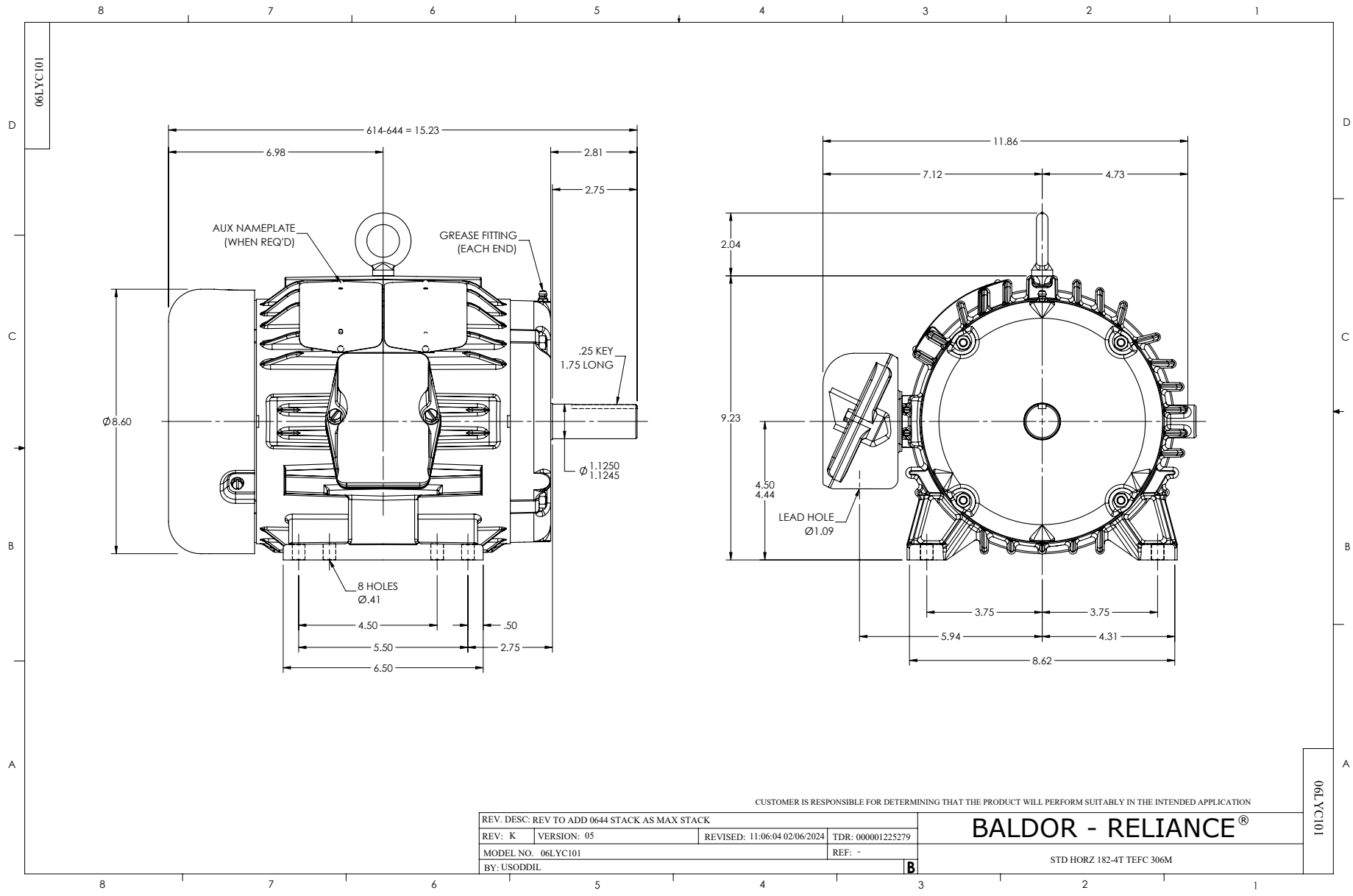
WINDING # 05WGX571

1 HP 3 PH 60 HZ 1155 RPM 460 V 0526M

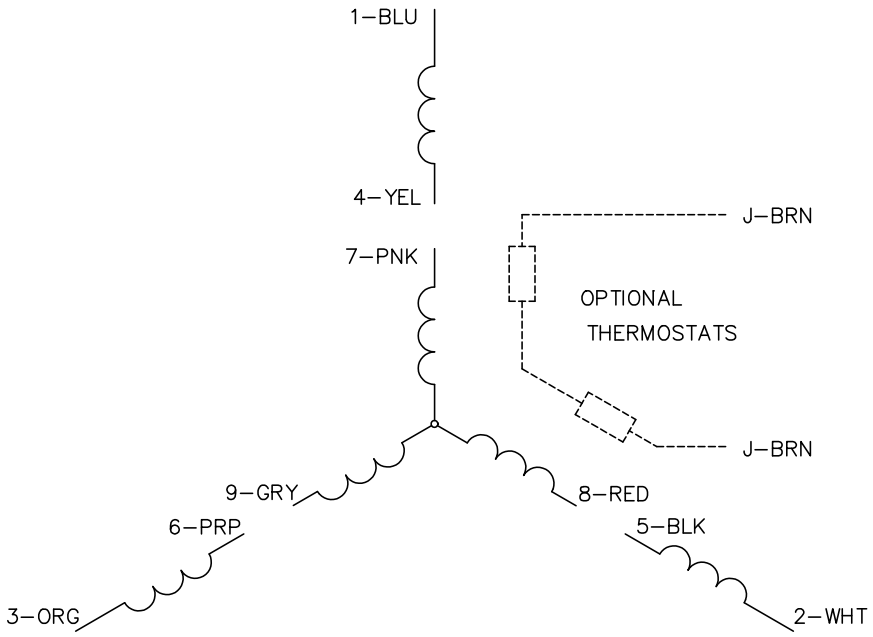
Typical performance - not guaranteed values.

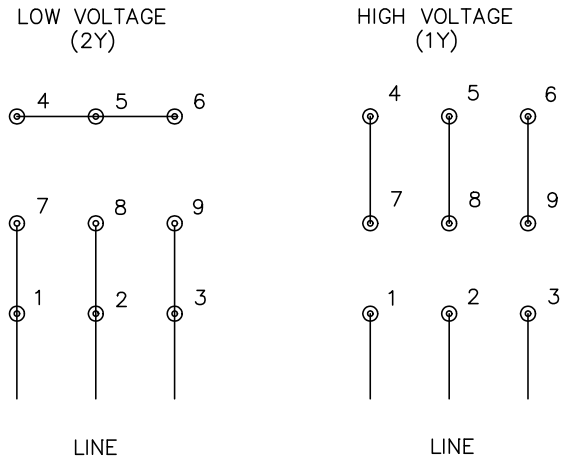
TORQUES(LB-FT): PO=11.9 PU=7.06 LR=8.62 LRA=9.06




06LYC101
614-644 = 15.23
6.98
2.81
2.75
AUX NAMEPLATE (WHEN REQ'D)
GREASE FITTING (EACH END)
.25 KEY
1.75 LONG
Ø8.60
Ø 1.1250
1.1245
8 HOLES
Ø.41
4.50
.50
5.50
2.75
6.50
11.86
7.12
4.73
2.04
9.23
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
5.94
4.31
8.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REV TO ADD 0644 STACK AS MAX STACK
REV: K
VERSION: 05
REVISED: 11:06:04 02/06/2024
TDR: 000001225279
MODEL NO. 06LYC101
REF: -
BY: USODDIL
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 306M
06LYC101

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