ABB BALDOR RELIANCE

Customer information packet

GNEM3667T

1.5HP//1.1KW, 1170//965RPM, 3PH, 60//50HZ, 1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182T
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	1.500 HP @ 60 HZ
	1.100 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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	CE
	WEEE
	UKCA
	CURUSEEV
	IE3
	NEMA PREMIUM
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	5.800 A @ 190.0 V
	5.200 A @ 208.0 V
	5.000 A @ 230.0 V

Part Detail

Revision	C
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGX900
Layout	06LYC101
Eff. date	08-05-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	08-17-2023

	2.900 A @ 380.0 V
	2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	No 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	0634M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.24 IN
Power Factor	65
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	1170 rpm
	965 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.	GNEM3667T									
SPEC.	06C101X900G1									
HP	1.5HP//1.1KW				**PH**	3				
VOLTS	208-230/460//190/380									
AMPS	5.2-5/2.5//5.8/2.9									
R.P.M. (1/MIN)	1170//965				**WT.**	48	**KG**			
FRAME	182T	**HZ**	60//50		**I.P.**	44				
SER.F.	1.15	**CODE**	K	**DES.**	B	**CLASS**	F			
NOM.EFF.	87.5//81.1	**% (100%)**								
P.F.	65		IC411, 10:1 VT							
RATING	40C AMB-S1 CONT			**CC**	010A					
DE	6206	**ODE**	6205							
ENCL	TEFC	**SN**								
	SFA 5.8-5.6/2.8//6.4/3.2									
	IE3-50HZ 87.0(75%), 86.0(50%)									
	IE3-60HZ 86.8(75%), 84.6(50%)									

AC Induction Motor Performance Data
Record # 101088
Typical performance - not guaranteed values

Winding: 06WGX900-R001	**Type:** 0634M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			1.5HP//1.1KW
Volts			208-230/460//190/380
Full Load Amps			5.2-5/2.5//5.8/2.9
R.P.M.			1170//965
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	87.5	**Power Factor**	65
Rating - Duty			40C AMB-CONT
S.F. Amps			5.8-5.6/2.8//6.4/3.2

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	6.76 LB-FT
Start Configuration	direct on line
Breakdown Torque	24.8 LB-FT
Pull-up Torque	12.8 LB-FT
Locked-rotor Torque	16.1 LB-FT
Starting Current	16.7 A
No-load Current	1.66 A
Line-line Res. @ 25ºC	6.89 Ω
Temp. Rise @ Rated Load	26°C
Temp. Rise @ S.F. Load	30°C
Locked-rotor Power Factor	30.5
Rotor inertia	0.319 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	44	56	64	69	73	67
Efficiency	76	84.6	86.8	87.6	87.2	86	87.4
Speed	1194	1188	1180	1173	1165	1155	1168
Line amperes	1.73	1.92	2.2	2.52	2.92	3.37	2.76

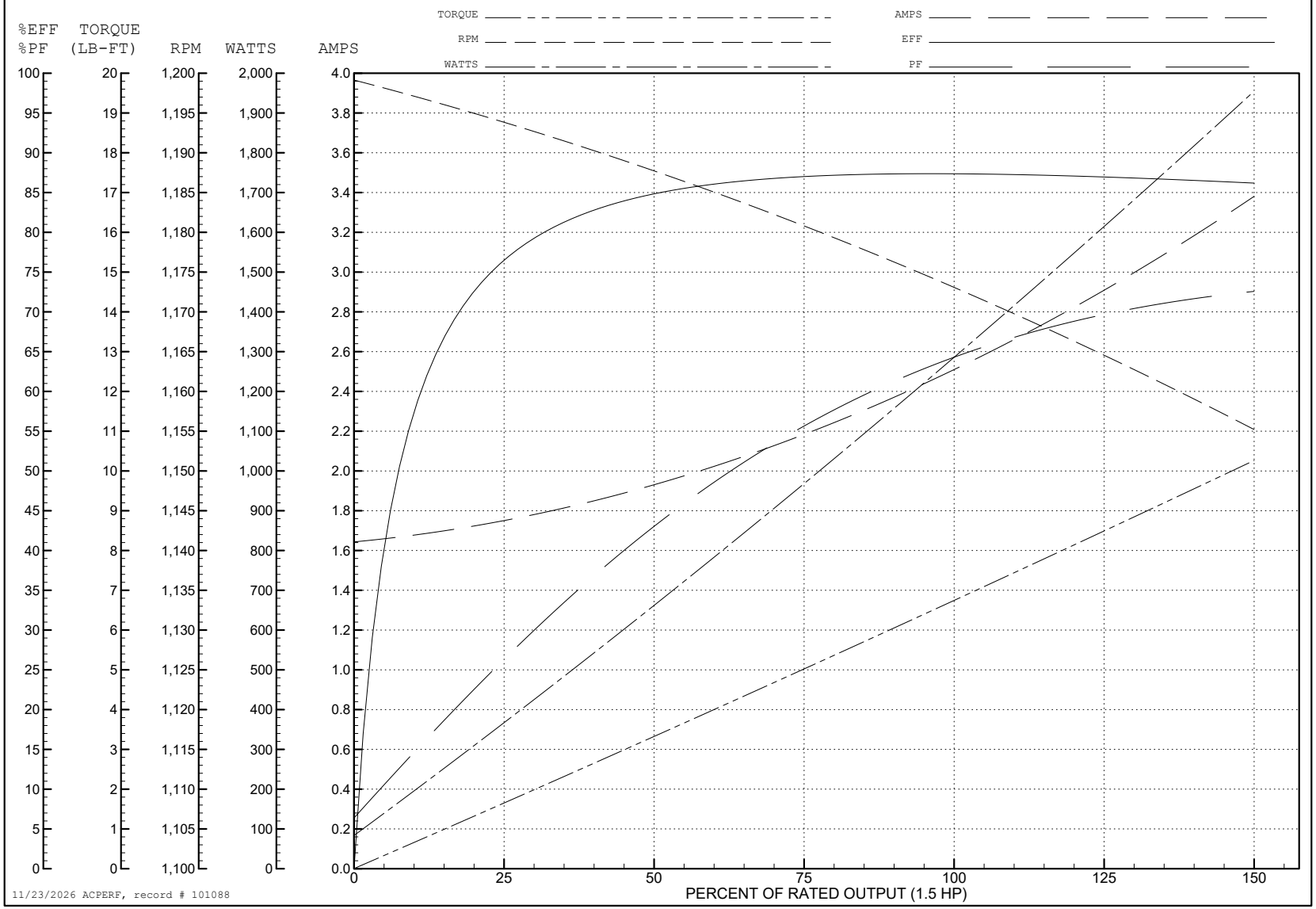
ABB Motors and Mechanical Inc.

WINDING # 06WGX900

1.5 HP 3 PH 60 HZ 1173 RPM 460 V 0634M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=24.8 PU=12.8 LR=16.1 LRA=16.7



AC Induction Motor Performance Data
Record # 101089
Typical performance - not guaranteed values

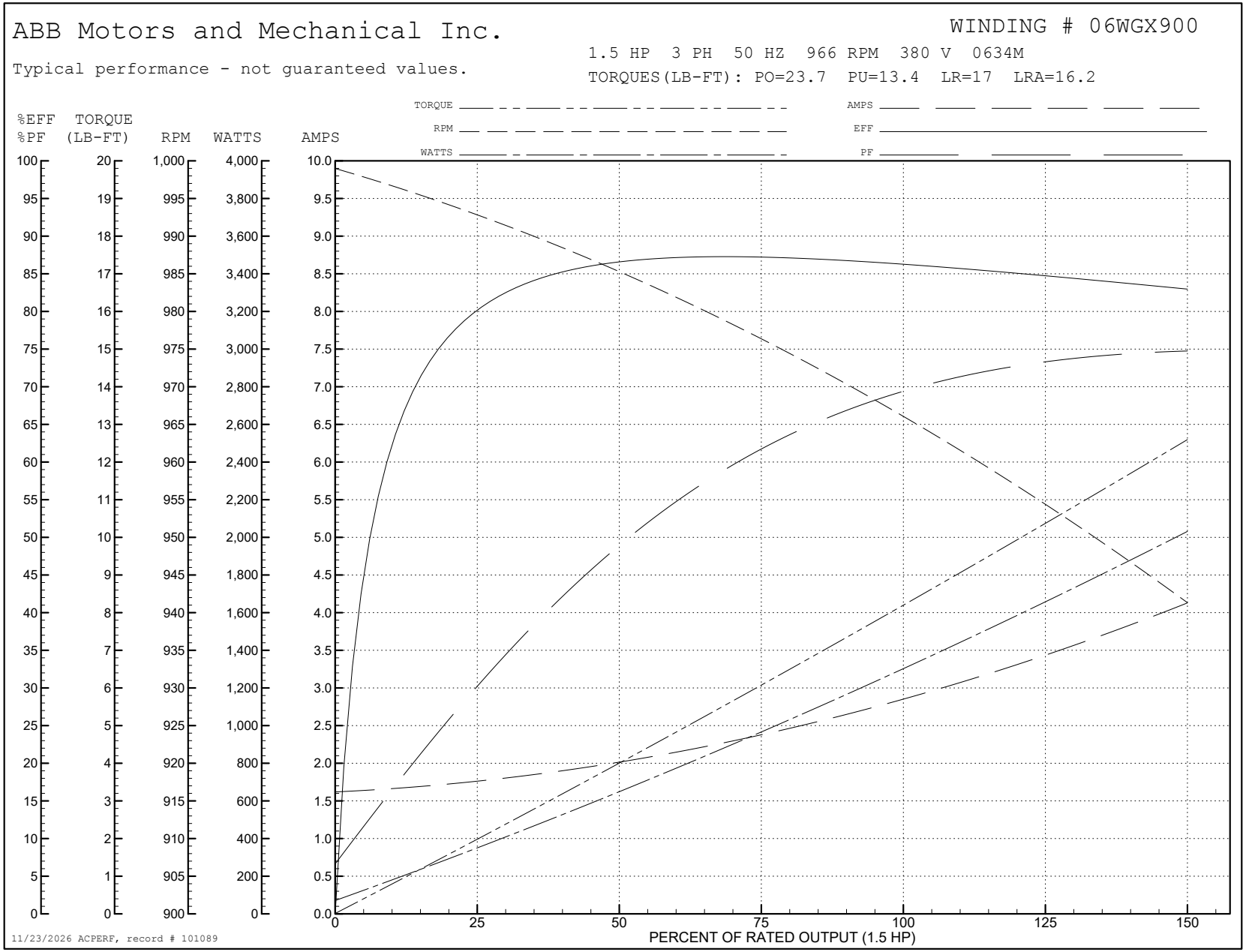
Winding: 06WGX900-R001	**Type:** 0634M	**Enclosure:** TEFC

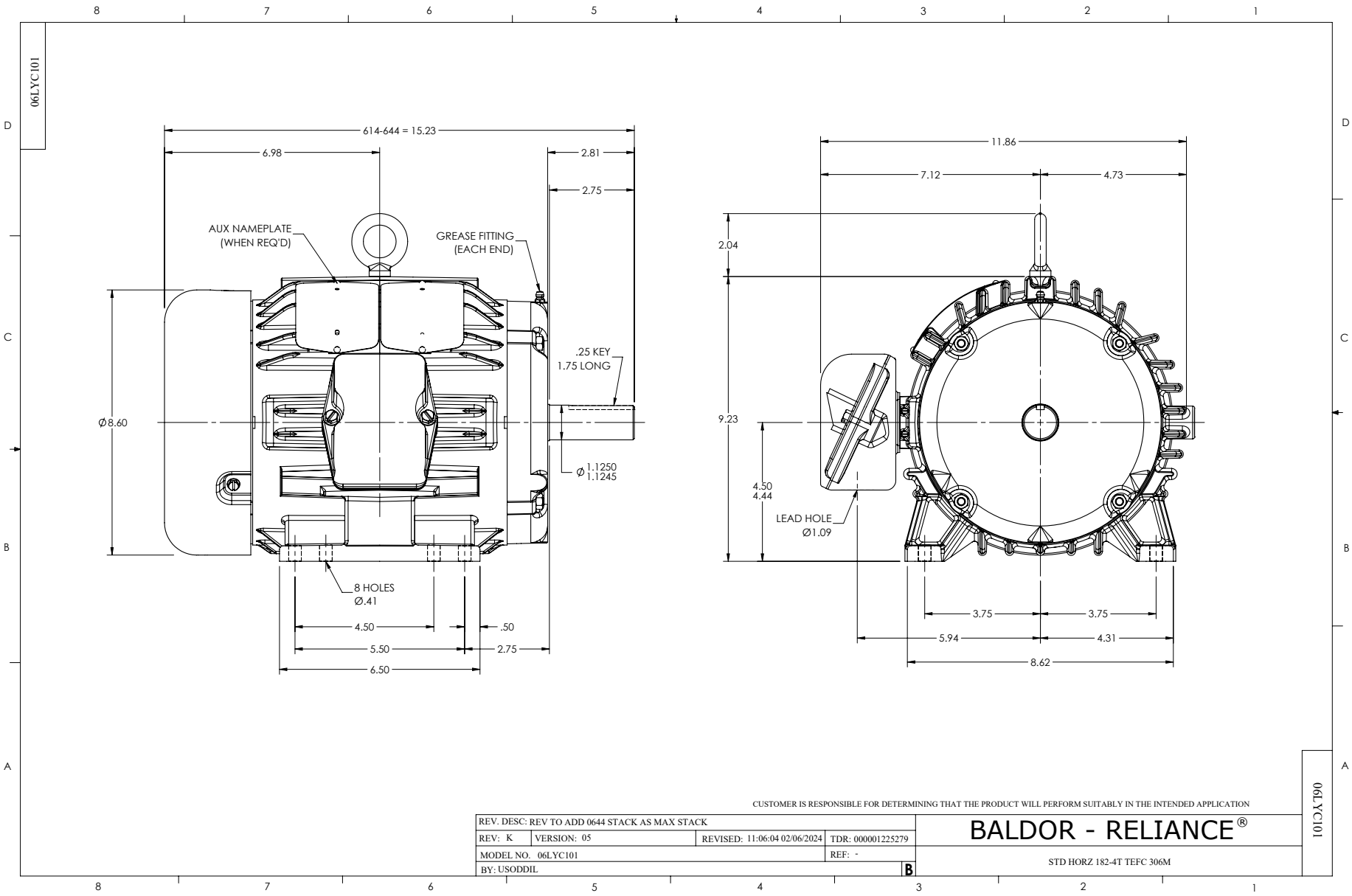
Nameplate Data			
Rated Output (HP)			1.5HP//1.1KW
Volts			208-230/460//190/380
Full Load Amps			5.2-5/2.5//5.8/2.9
R.P.M.			1170//965
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	87.5	**Power Factor**	65
Rating - Duty			40C AMB-CONT
S.F. Amps			5.8-5.6/2.8//6.4/3.2

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	8.2 LB-FT
Start Configuration	direct on line
Breakdown Torque	23.7 LB-FT
Pull-up Torque	13.4 LB-FT
Locked-rotor Torque	17 LB-FT
Starting Current	16.2 A
No-load Current	1.64 A
Line-line Res. @ 25ºC	6.89 Ω
Temp. Rise @ Rated Load	32°C
Temp. Rise @ S.F. Load	39°C
Locked-rotor Power Factor	34.5
Rotor inertia	0.319 LB-FT2

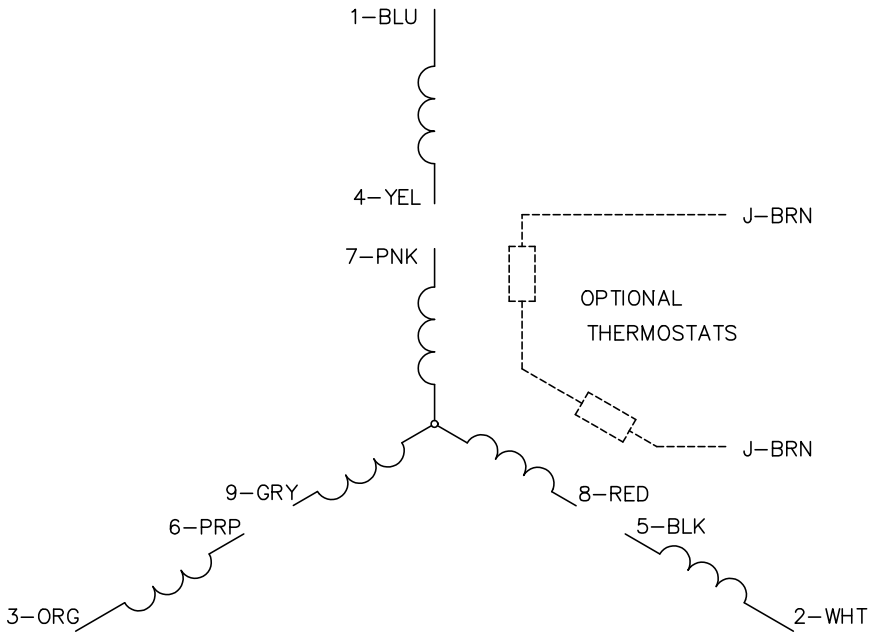
Load Characteristics 380 V, 50 Hz, 1.5 HP

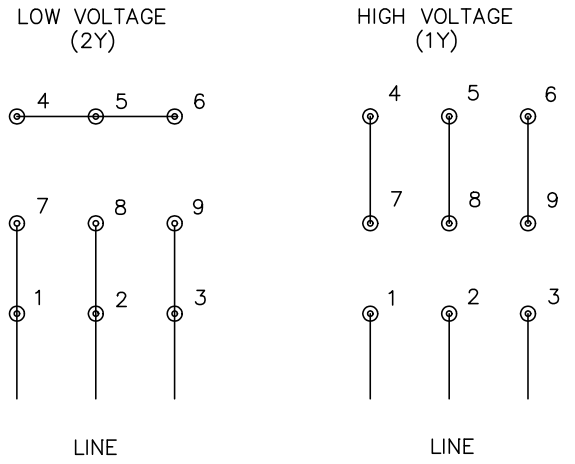
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	50	62	69	73	75	71
Efficiency	79.1	86	87	86.6	85.2	82.7	85.8
Speed	993	985	976	966	955	941	959
Line amperes	1.73	2.01	2.4	2.86	3.44	4.12	3.21


ABB Motors and Mechanical Inc.
WINDING # 06WGX900
1.5 HP 3 PH 50 HZ 966 RPM 380 V 0634M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=23.7 PU=13.4 LR=17 LRA=16.2
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/23/2026 ACPERF, record # 101089


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