BALDOR • RELIANCE

Customer information packet

GNEM3211T

, RPM, 0PH, HZ, 182T, OPSB, F1, N
Class - None
Division - Not Applicable

2/16/2025 10:43:34 PM

Specifications

Enclosure	OPSB
Frame	182T
Frame Material	Steel
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	3.000 HP @ 60 HZ
	3.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	460.0 V @ 60 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
Agency Approvals	WEEE
	UKCA
	IE3
	CURUS
	CE
	C UR US
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	9.000 A @ 208.0 V
	8.800 A @ 230.0 V
	5.100 A @ 380.0 V
	4.400 A @ 460.0 V

Part detail

Revision	M
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGN115
Layout	36LYG548
Eff. date	05-09-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	02-15-2017

	10.200 A @ 190.0 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 Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3636M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	74
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 Extension Location	Pulley End

Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1460 rpm
	1760 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.	GNEM3211T									
SPEC.	36G548N115G1									
HP	3/2.2KW				**PH**	3				
VOLTS	208-230/460//190/380									
AMPS	9-8.8/4.4//10.2/5.1									
R.P.M. (1/MIN)	1760//1460				**WT.**	38KG	**KG**			
FRAME	182T	**HZ**	60//50		**I.P.**	22				
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	F			
NOM.EFF.	90.2//87.6	**% (100%)**								
P.F.	74	IC01, 10:1 VT								
RATING	40C AMB-S1 CONT			**CC**	010A					
DE	6206	**ODE**	6205							
ENCL	OPSB	**SN**								
	IE3-50HZ 89.5(75%),88.5(50%)									
	IE3-60HZ 89.8(75%),88.0(50%)									

AC Induction Motor Performance Data
Record # 62317
Typical performance - not guaranteed values

Winding: 36WGN115-R002	**Type:** 3636M	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			3
Volts			208-230/460//190/380
Full Load Amps			9-8.8/4.4//10.2/5.1
R.P.M.			1760//1460
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	90.2	**Power Factor**	74
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	8.96 LB-FT
Start Configuration	direct on line
Breakdown Torque	41.11 LB-FT
Pull-up Torque	20.45 LB-FT
Locked-rotor Torque	24.25 LB-FT
Starting Current	36.84 A
No-load Current	2.69 A
Line-line Res. @ 25ºC	3.45 Ω
Temp. Rise @ Rated Load	33°C
Temp. Rise @ S.F. Load	39°C
Locked-rotor Power Factor	41.8
Rotor inertia	0.335 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	50	63	71	77	80	75
Efficiency	80.6	87.9	89.9	90.1	89.9	88.5	90
Speed	1792	1784	1776	1767	1758	1745	1762
Line amperes	2.88	3.22	3.75	4.41	5.11	6.15	4.83

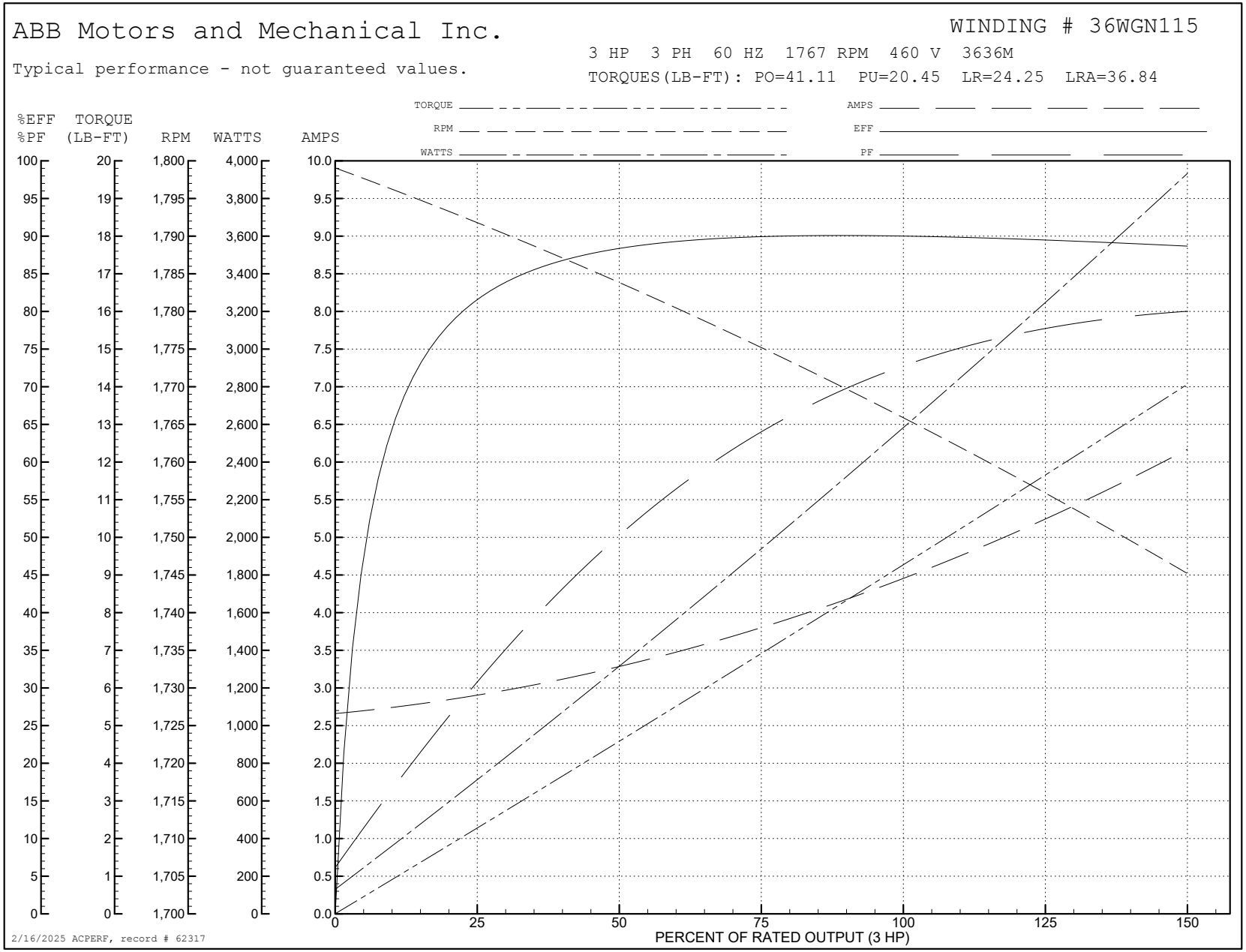


ABB Motors and Mechanical Inc.
WINDING # 36WGN115
Typical performance - not guaranteed values.
3 HP 3 PH 60 HZ 1767 RPM 460 V 3636M
TORQUES(LB-FT): PO=41.11 PU=20.45 LR=24.25 LRA=36.84
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (3 HP)
2/16/2025 ACPERF, record # 62317

AC Induction Motor Performance Data
Record # 62318
Typical performance - not guaranteed values

Winding: 36WGN115-R002	**Type:** 3636M	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			3
Volts			208-230/460//190/380
Full Load Amps			9-8.8/4.4//10.2/5.1
R.P.M.			1760//1460
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	90.2	**Power Factor**	74
Rating - Duty			40C AMB-CONT
S.F. Amps			

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	10.84 LB-FT
Start Configuration	direct on line
Breakdown Torque	38.77 LB-FT
Pull-up Torque	20.79 LB-FT
Locked-rotor Torque	24.65 LB-FT
Starting Current	35.48 A
No-load Current	2.65 A
Line-line Res. @ 25ºC	3.45 Ω
Temp. Rise @ Rated Load	41°C
Temp. Rise @ S.F. Load	50°C
Locked-rotor Power Factor	46.5
Rotor inertia	0.335 LB-FT2

Load Characteristics 380 V, 50 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	37	57	69	76	80	83	78
Efficiency	82.5	88.6	89.5	89.1	88.1	85.9	88.5
Speed	1490	1481	1471	1460	1449	1433	1453
Line amperes	2.91	3.4	4.16	5.06	6.03	7.42	5.64

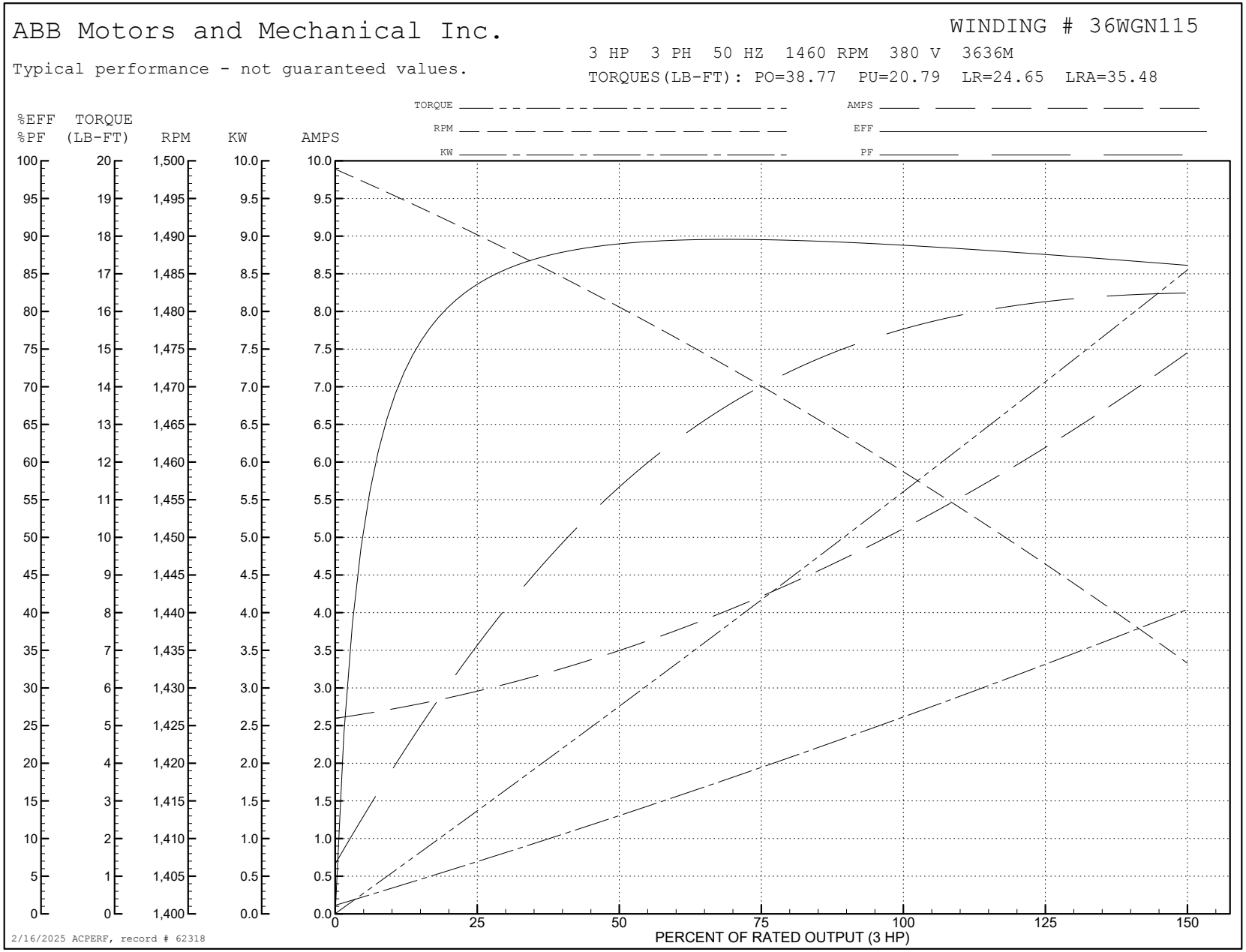


ABB Motors and Mechanical Inc.
WINDING # 36WGN115
3 HP 3 PH 50 HZ 1460 RPM 380 V 3636M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=38.77 PU=20.79 LR=24.65 LRA=35.48
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3 HP)
2/16/2025 ACPERF, record # 62318

AC Induction Motor Performance Data
Record # 104156
Typical performance - not guaranteed values

Winding: 36WGN115-R002	**Type:** 3636M	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			3
Volts			208-230/460//190/380
Full Load Amps			9-8.8/4.4//10.2/5.1
R.P.M.			1760//1460
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	90.2	**Power Factor**	74
Rating - Duty			40C AMB-CONT
S.F. Amps			

208 V, 60 Hz: Low Voltage Connection	
Full Load Torque	8.99 LB-FT
Start Configuration	direct on line
Breakdown Torque	33.3 LB-FT
Pull-up Torque	16.4 LB-FT
Locked-rotor Torque	19.4 LB-FT
Starting Current	65.9 A
No-load Current	4.64 A
Line-line Res. @ 25ºC	0.863 Ω
Temp. Rise @ Rated Load	33°C
Temp. Rise @ S.F. Load	40°C
Locked-rotor Power Factor	41.8
Rotor inertia	0.335 lb-ft²

Load Characteristics 208 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	70	76	81	83	79
Efficiency	83.2	89.1	90.3	90.1	89.4	87.6	89.7
Speed	1790	1781	1771	1760	1749	1733	1753
Line amperes	5.13	6.08	7.45	9.09	10.82	13.29	10.1

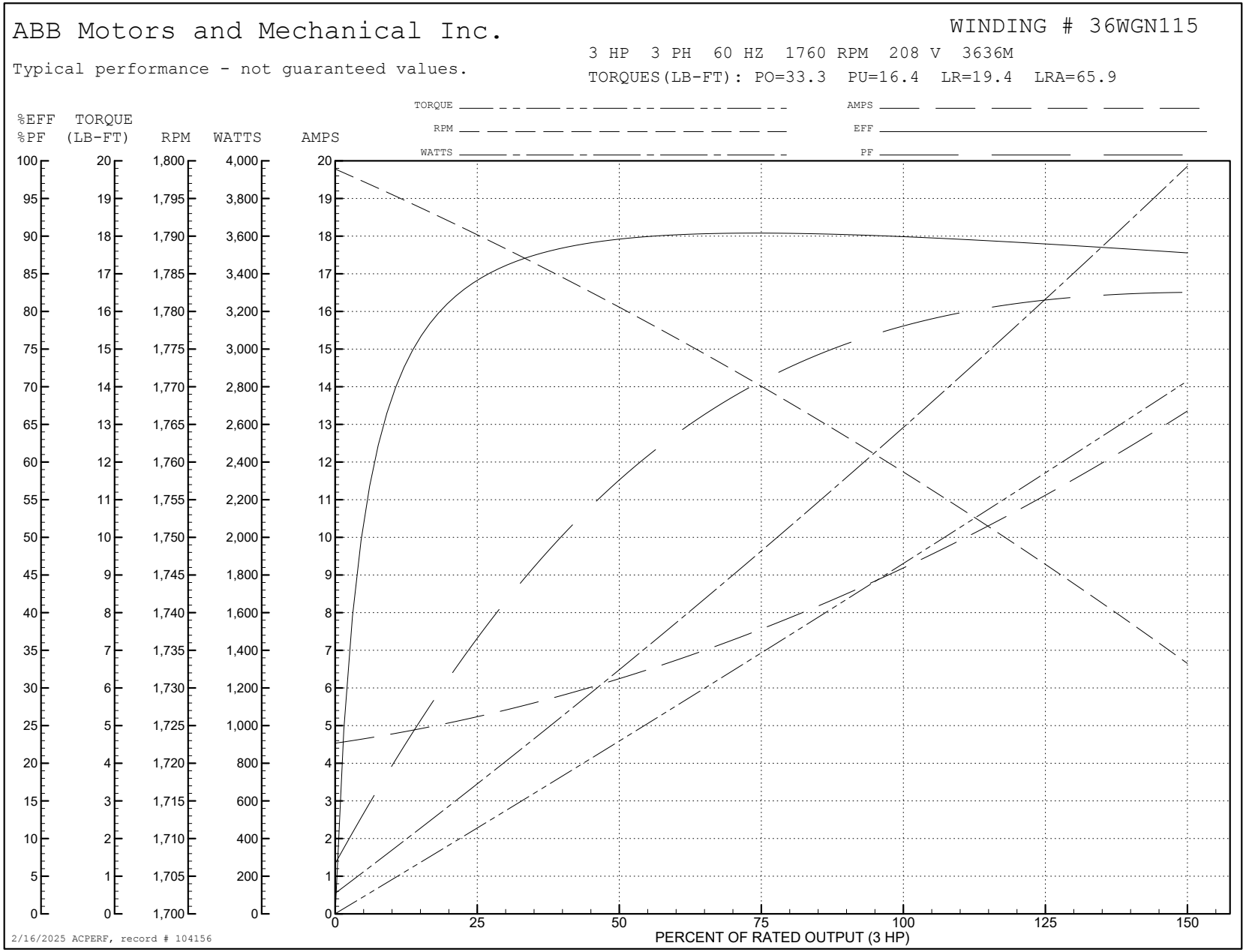
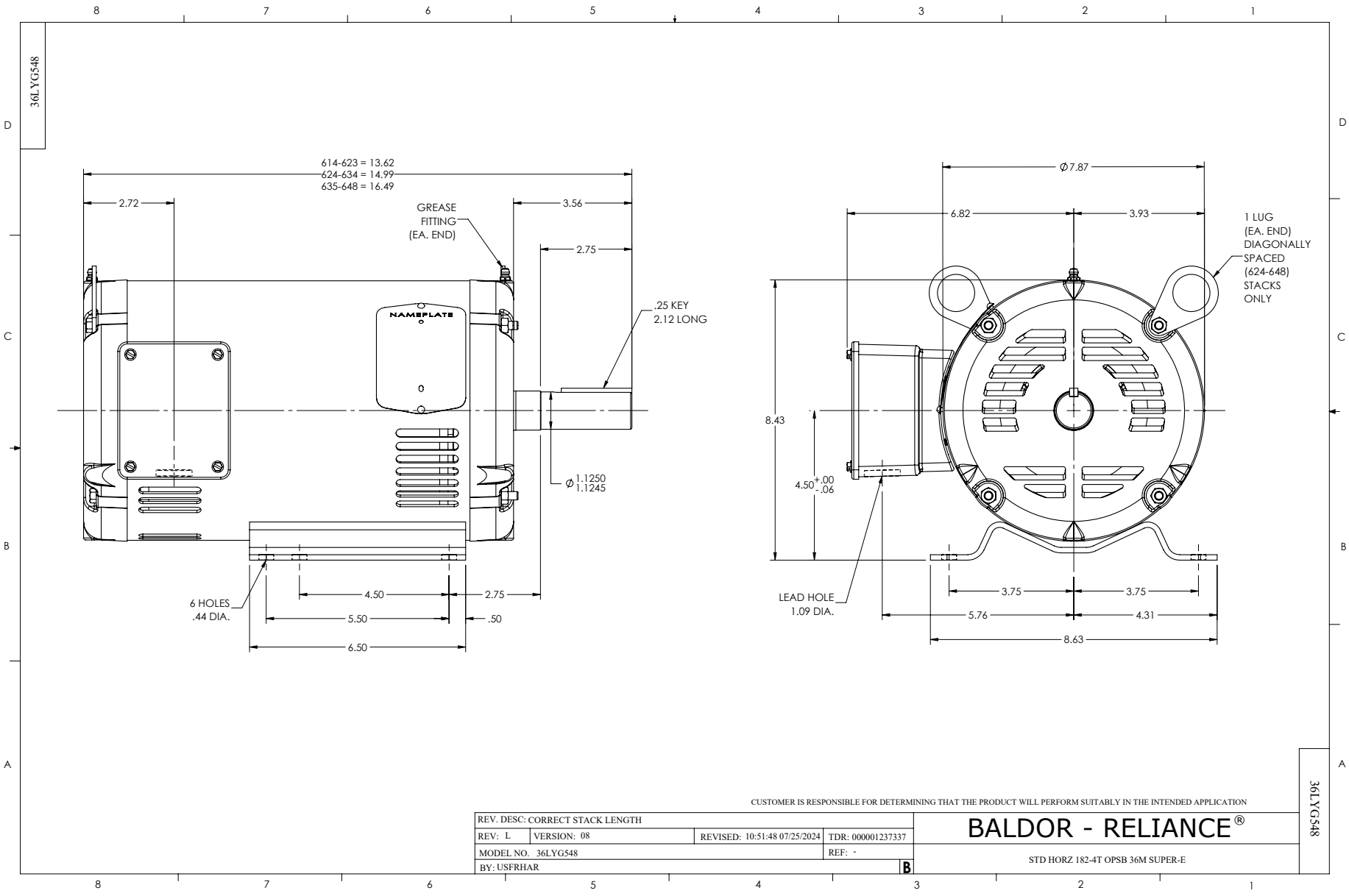
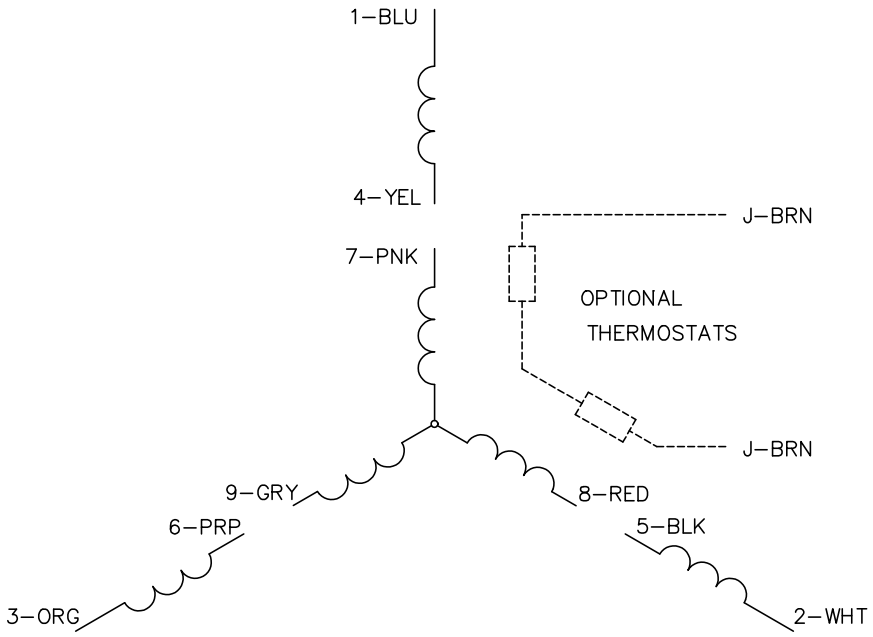
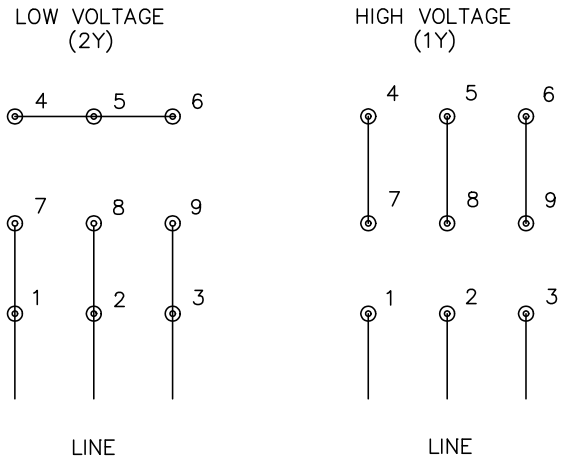


ABB Motors and Mechanical Inc.
WINDING # 36WGN115
Typical performance - not guaranteed values.
3 HP 3 PH 60 HZ 1760 RPM 208 V 3636M
TORQUES(LB-FT): PO=33.3 PU=16.4 LR=19.4 LRA=65.9
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
2/16/2025 ACPERF, record # 104156
PERCENT OF RATED OUTPUT (3 HP)


36LYG548
614-623 = 13.62
624-634 = 14.99
635-648 = 16.49
2.72
GREASE FITTING (EA. END)
3.56
2.75
.25 KEY
2.12 LONG
NAMEPLATE
Ø 1.1250
1.1245
6 HOLES
.44 DIA.
4.50
2.75
5.50
.50
6.50
Ø7.87
6.82
3.93
1 LUG (EA. END) DIAGONALLY SPACED (624-648) STACKS ONLY
8.43
4.50 +.00 -.06
LEAD HOLE
1.09 DIA.
3.75
3.75
5.76
4.31
8.63
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT STACK LENGTH
REV: L
VERSION: 08
REVISED: 10:51:48 07/25/2024
TDR: 000001237337
MODEL NO. 36LYG548
REF: -
BY: USFRHAR
B
BALDOR - RELIANCE®
STD HORZ 182-4T OPSB 36M SUPER-E
36LYG548

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