

ABB BALDOR RELIANCE III

Customer information packet

GNEM3211T

, RPM, OPH, HZ, 182T, OPSB, F1, N

Class - None

Division - Not Applicable

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 208.0 V @ 60 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CE UKCA WEEE CURUS IE3 NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
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	8.800 A @ 230.0 V 9.000 A @ 208.0 V

Part Detail

Revision	P
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGN115
Layout	36LYG548
Eff. date	08-11-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	02-15-2017

	5.100 A @ 380.0 V
	4.400 A @ 460.0 V
	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		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	8.96 LB-FT
Volts	208-230/460//190/380	Start Configuration	direct on line
Full Load Amps	9-8.8/4.4//10.2/5.1	Breakdown Torque	41.11 LB-FT
R.P.M.	1760//1460	Pull-up Torque	20.45 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	24.25 LB-FT
NEMA Design Code	A KVA Code	Starting Current	36.84 A
Service Factor (S.F.)	1.15	No-load Current	2.69 A
NEMA Nom. Eff.	90.2 Power Factor	Line-line Res. @ 25°C	3.45 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	33°C
S.F. Amps		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

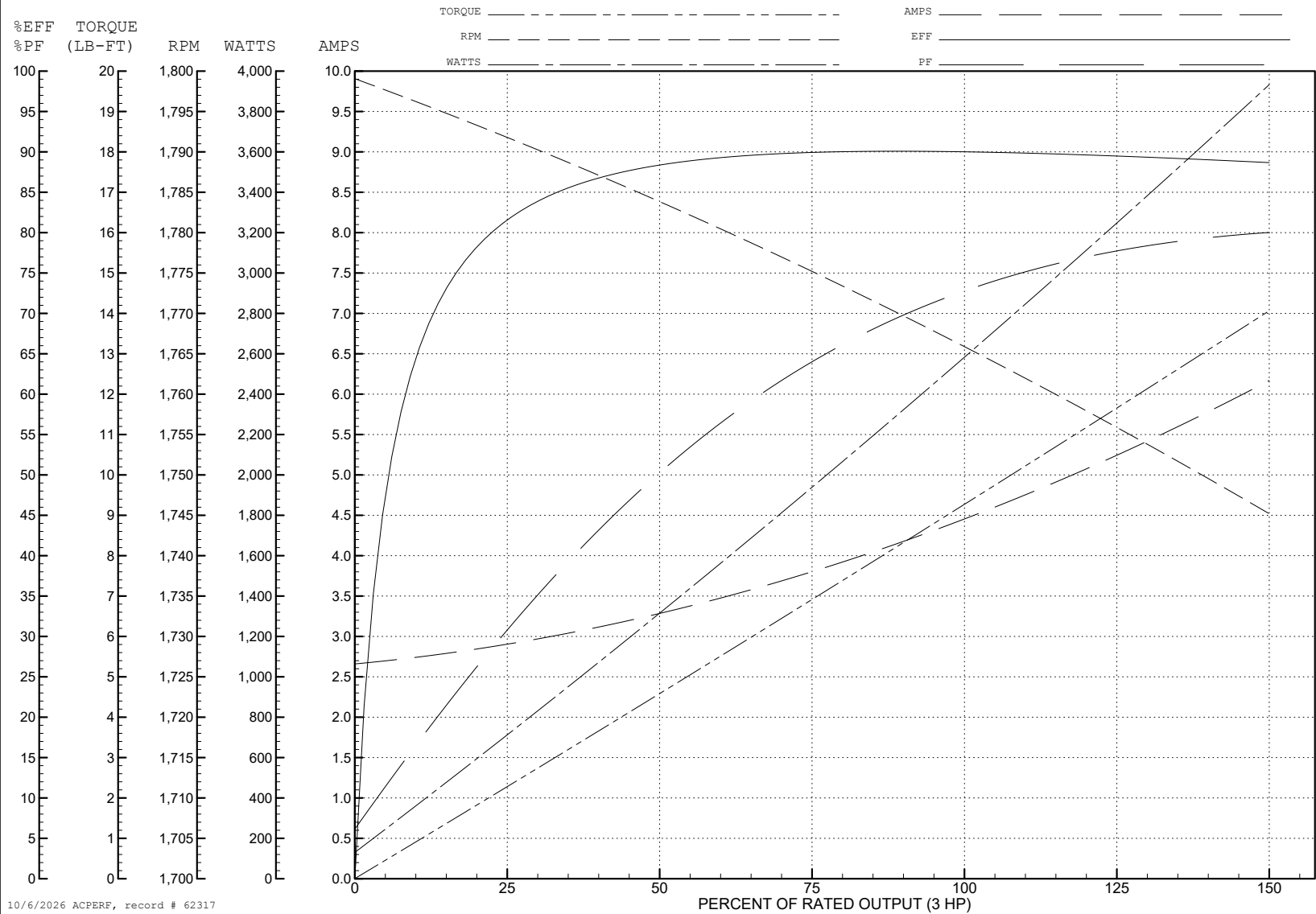
ABB Motors and Mechanical Inc.

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



AC Induction Motor Performance Data

Record # 62318

Typical performance - not guaranteed values

Winding: 36WGN115-R002		Type: 3636M	Enclosure: OPSB
Nameplate Data		380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	10.84 LB-FT
Volts	208-230/460//190/380	Start Configuration	direct on line
Full Load Amps	9-8.8/4.4//10.2/5.1	Breakdown Torque	38.77 LB-FT
R.P.M.	1760//1460	Pull-up Torque	20.79 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	24.65 LB-FT
NEMA Design Code	A KVA Code	Starting Current	35.48 A
Service Factor (S.F.)	1.15	No-load Current	2.65 A
NEMA Nom. Eff.	90.2 Power Factor	Line-line Res. @ 25°C	3.45 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	41°C
S.F. Amps		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

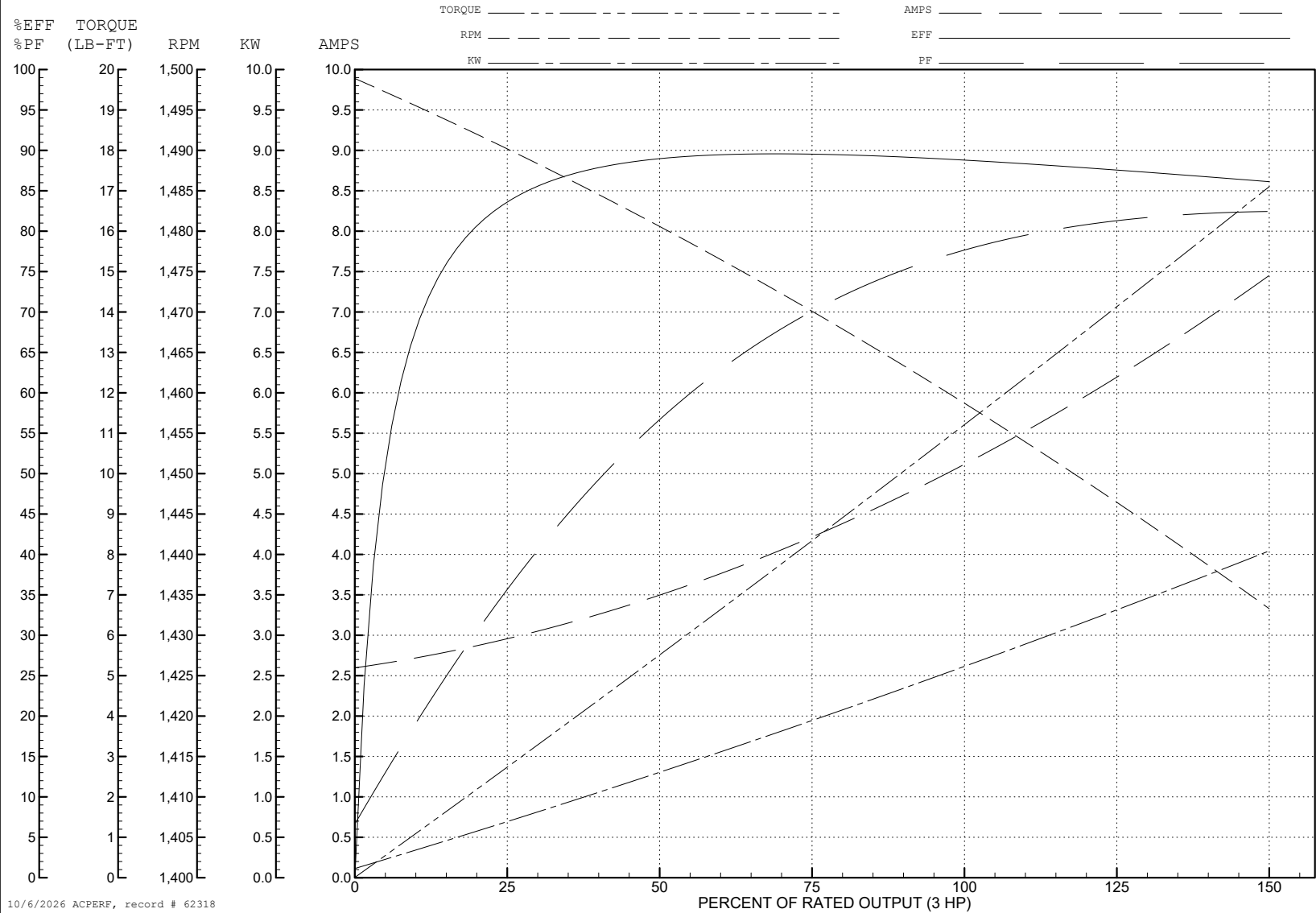
ABB Motors and Mechanical Inc.

WINDING # 36WGN115

Typical performance - not guaranteed values.

3 HP 3 PH 50 HZ 1460 RPM 380 V 3636M

TORQUES (LB-FT) : PO=38.77 PU=20.79 LR=24.65 LRA=35.48



AC Induction Motor Performance Data

Record # 104156

Typical performance - not guaranteed values

Winding: 36WGN115-R002			Type: 3636M		Enclosure: OPSB			
Nameplate Data			208 V, 60 Hz: Low Voltage Connection					
Rated Output (HP)		3	Full Load Torque		8.99 LB-FT			
Volts		208-230/460//190/380	Start Configuration		direct on line			
Full Load Amps		9-8.8/4.4//10.2/5.1	Breakdown Torque		33.3 LB-FT			
R.P.M.		1760//1460	Pull-up Torque		16.4 LB-FT			
Hz		60//50	Phase		3	Locked-rotor Torque	19.4 LB-FT	
NEMA Design Code		A	KVA Code		K	Starting Current		65.9 A
Service Factor (S.F.)		1.15	No-load Current		4.64 A			
NEMA Nom. Eff.		90.2	Power Factor		74	Line-line Res. @ 25°C		0.863 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		33°C	
S.F. Amps			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

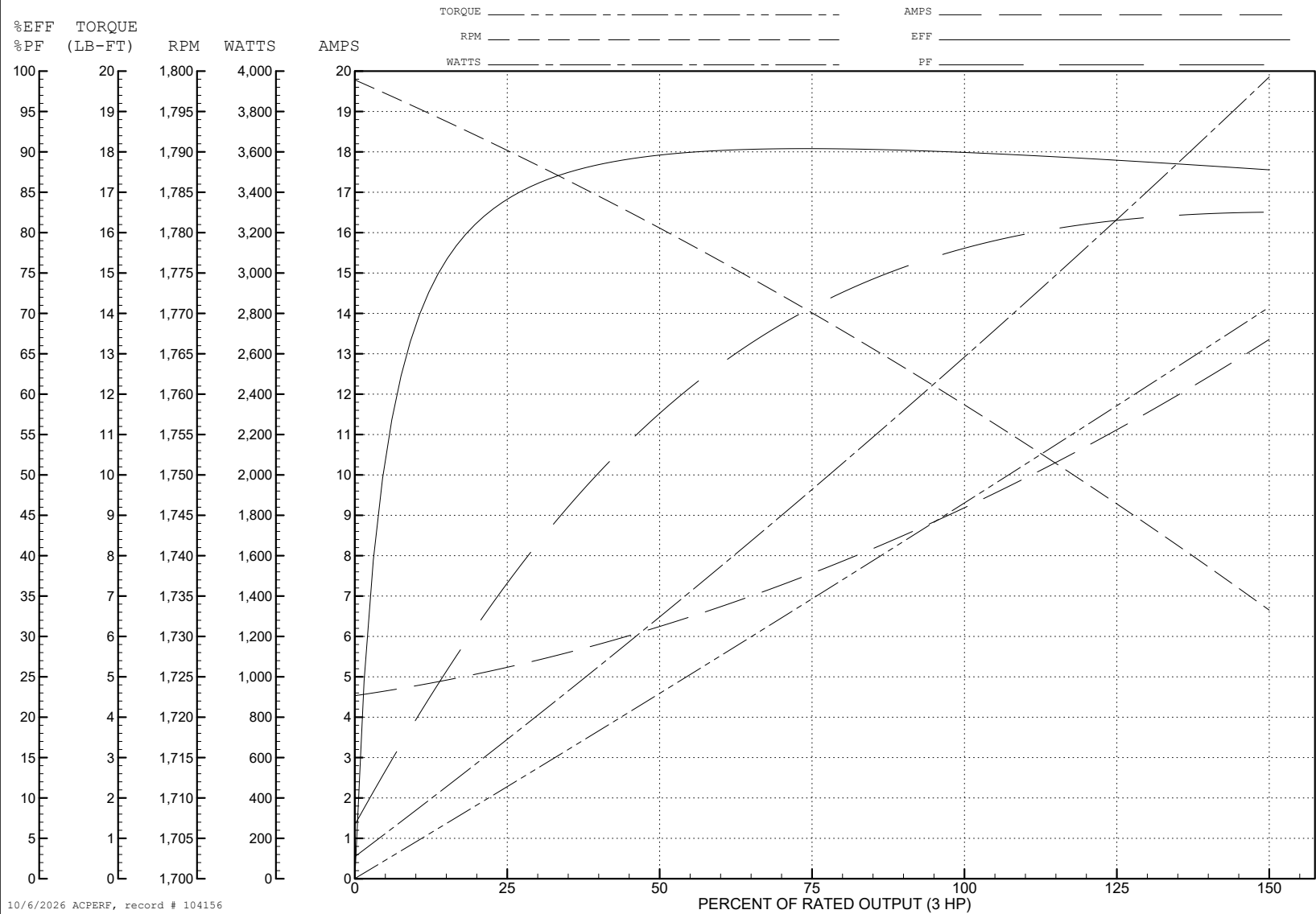
ABB Motors and Mechanical Inc.

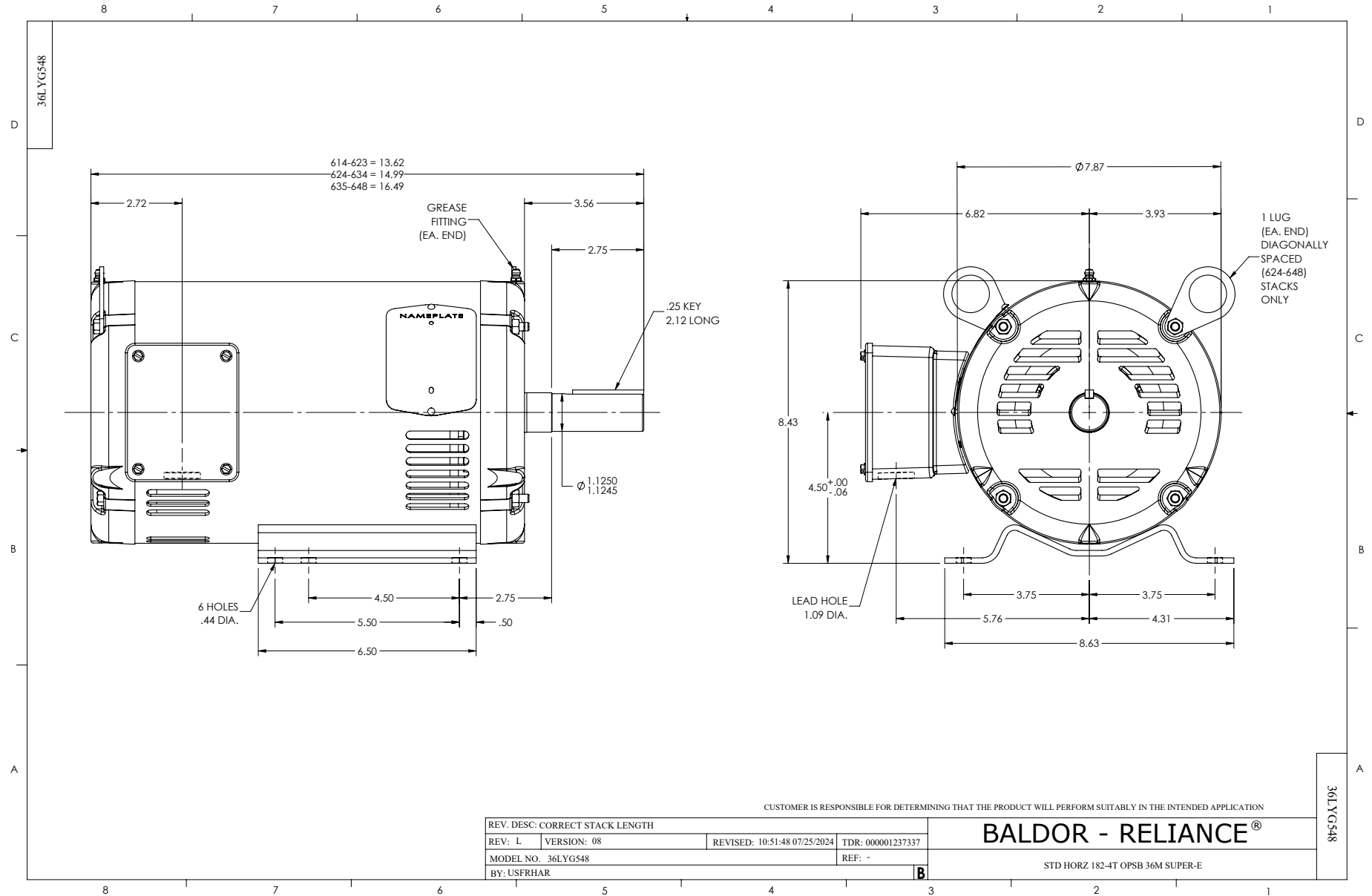
WINDING # 36WGN115

Typical performance - not guaranteed values.

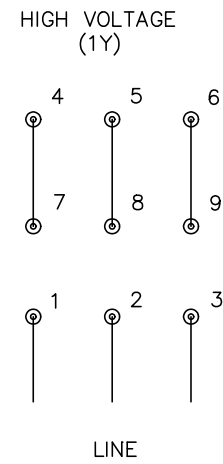
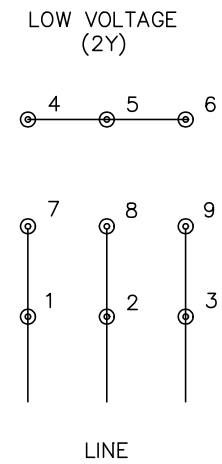
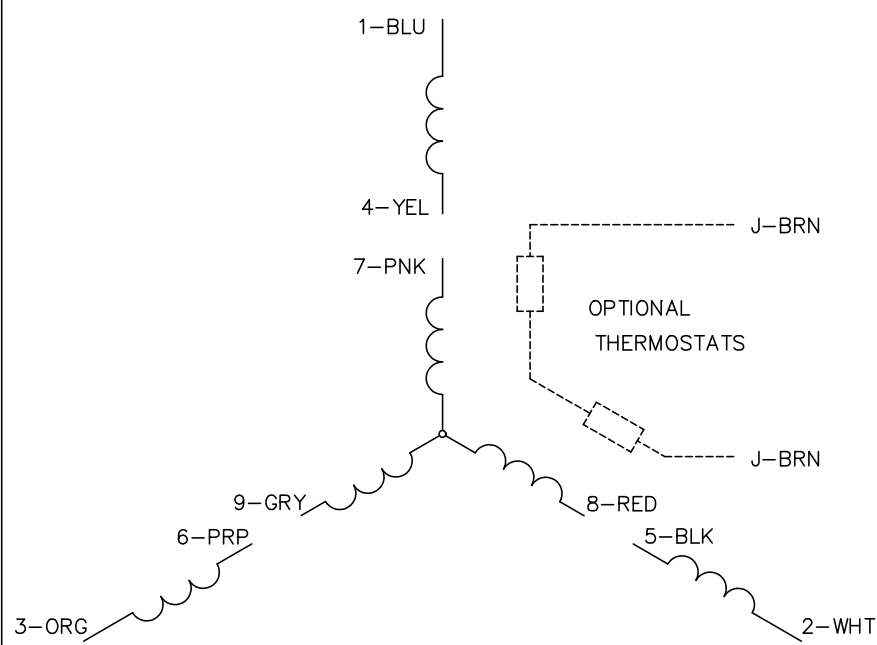
3 HP 3 PH 60 HZ 1760 RPM 208 V 3636M

TORQUES (LB-FT): PO=33.3 PU=16.4 LR=19.4 LRA=65.9





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.

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