ABB BALDOR RELIANCE

Customer information packet

EM3207T

1.5HP, 1170RPM, 3PH, 60HZ, 182T, 3628M, OPSB, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	182T
Frame Material	Steel
Frequency	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
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
	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	5.000 A @ 230.0 V
	5.100 A @ 208.0 V
	2.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	T
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGS949
Layout	36LYG548
Eff. date	03-31-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	05-30-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard 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	3628M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.00 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1170 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

NP1259LUA										
CAT.NO.	EM3207T									
SPEC.	36G548S949G1									
HP	1.5									
VOLTS	230/460									
AMPS	5/2.5									
R.P.M.	1170									
FRAME	182T	**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	K	**DES**	B	**CLASS**	F			
NEMA NOM. EFF.	86.5	**P.F.**	64							
RATING	40C AMB-CONT									
CC	010A									
DE	6206	**ODE**	6205							
ENCL	OPSB	**SN**								
USABLE AT	50HZ 1.5HP 190/380V 5/2.5A									SF1.0

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

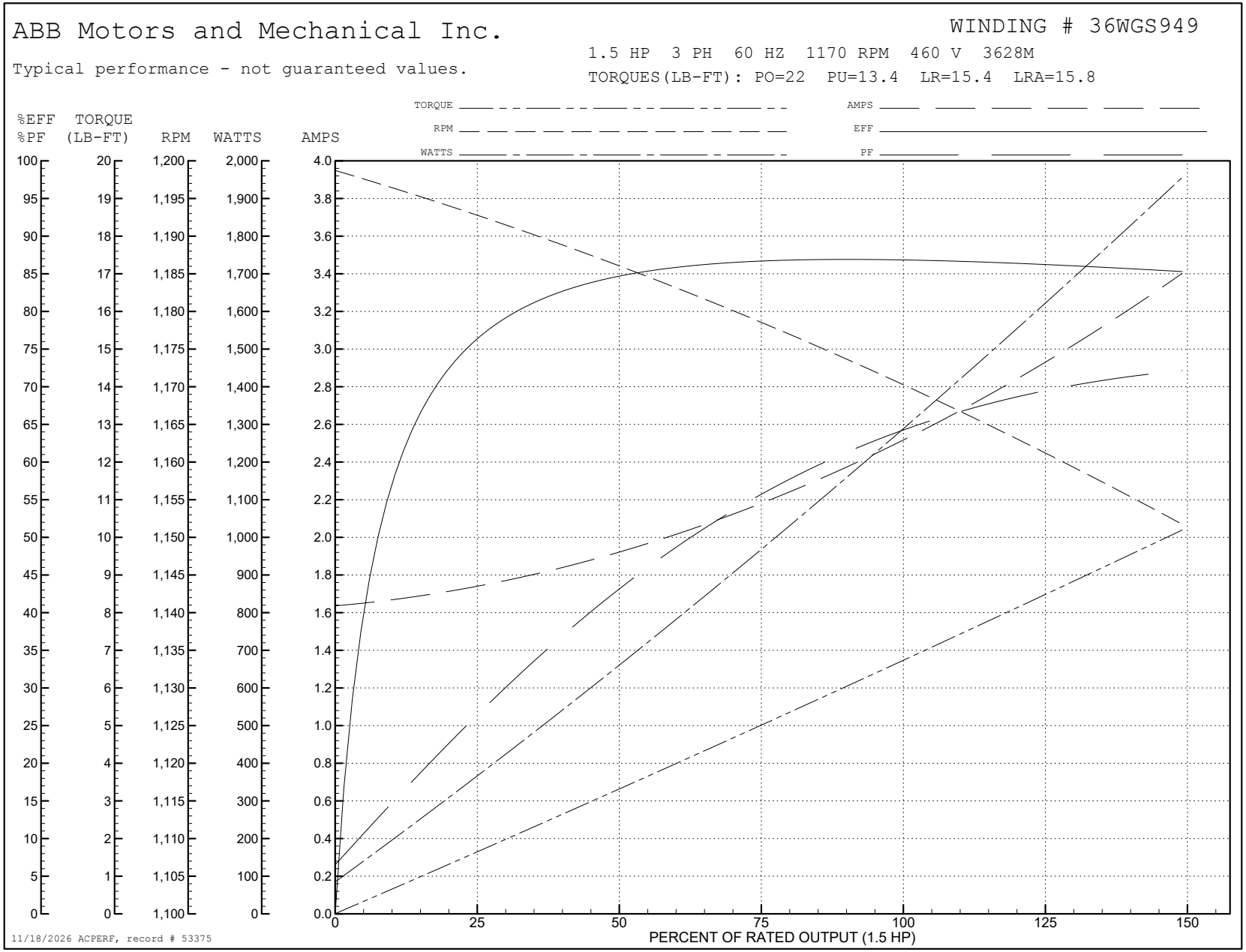
AC Induction Motor Performance Data
Record # 53375
Typical performance - not guaranteed values

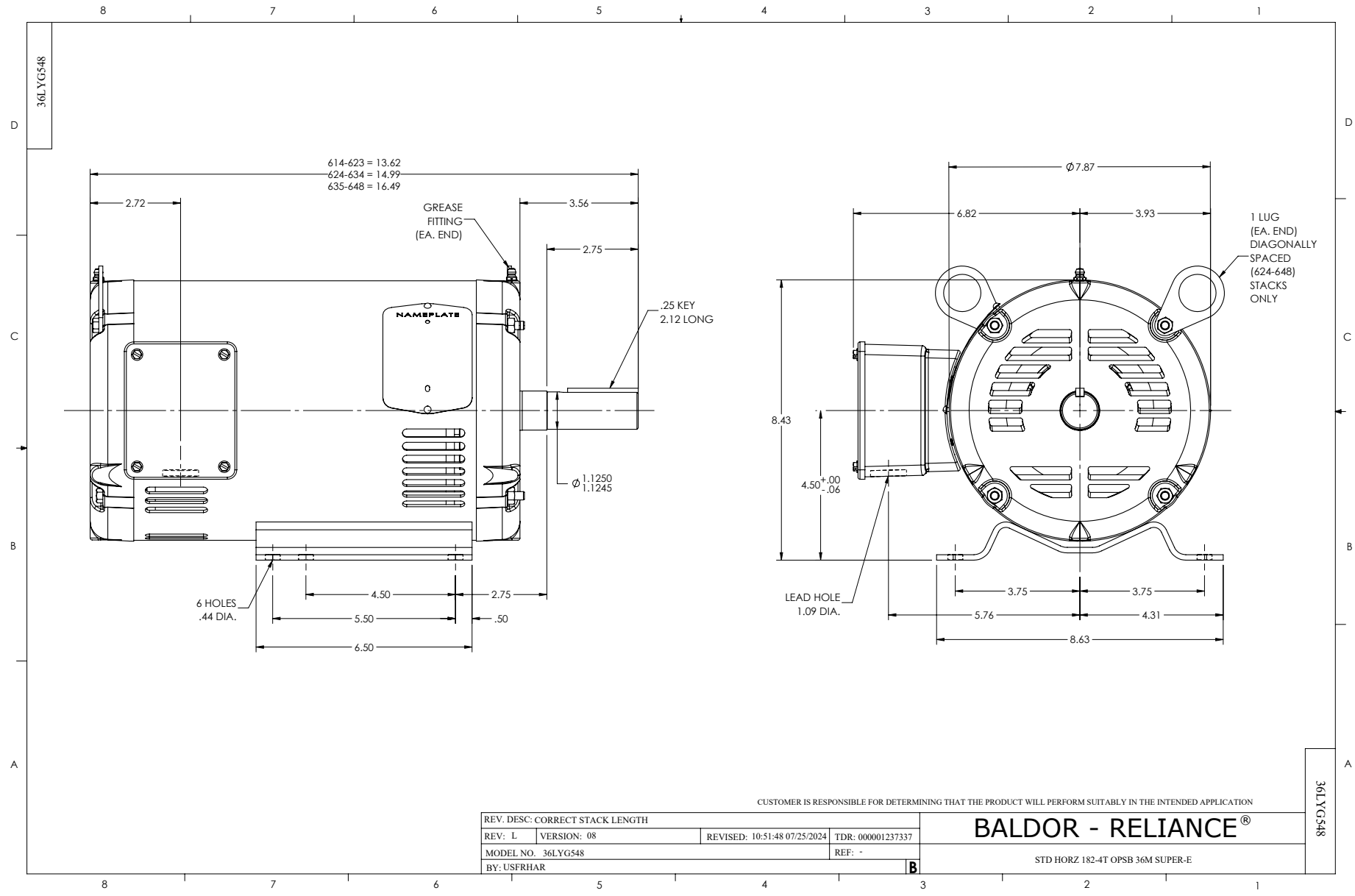
Winding: 36WGS949-R004	**Type:** 3628M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	6.72 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			5/2.5	**Breakdown Torque**	22 LB-FT
R.P.M.			1170	**Pull-up Torque**	13.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	15.4 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	15.8 A
Service Factor (S.F.)			1.15	**No-load Current**	1.65 A
NEMA Nom. Eff.	86.5	**Power Factor**	64	**Line-line Res. @ 25ºC**	8.0884 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	24°C
S.F. Amps				**Temp. Rise @ S.F. Load**	28°C

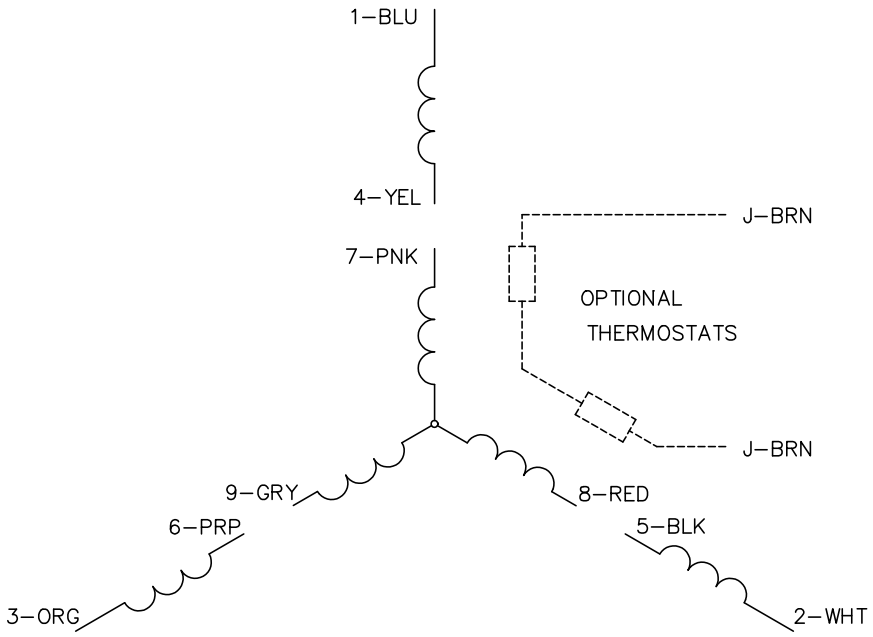
Load Characteristics 460 V, 60 Hz, 1.5 HP

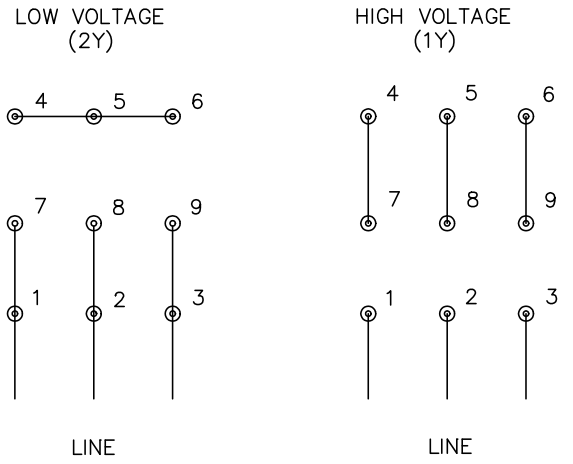
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	43	55	64	69	73	67
Efficiency	75.7	84.3	86.6	87	86.5	85.4	86.7
Speed	1192.8	1185.9	1178.5	1170.6	1161.7	1151.4	1165
Line amperes	1.72	1.91	2.18	2.52	2.94	3.39	2.77


ABB Motors and Mechanical Inc.
WINDING # 36WGS949
1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3628M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=22 PU=13.4 LR=15.4 LRA=15.8
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/18/2026 ACPERF, record # 53375


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