



Customer information packet

EM3211T

3HP, 1760RPM, 3PH, 60HZ, 182T, 3630M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA EEV NEMA PREMIUM UR CSA
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	8.400 A @ 230.0 V 8.500 A @ 208.0 V 4.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	S
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGS658
Layout	36LYG548
Eff. date	04-04-2019
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	01-14-2011

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.2 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	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.00 IN
Power Factor	74
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	1765 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

NP3553LUA

CAT.NO.	EM3211T						
SPEC.	36G548S658G1						
HP	3						
VOLTS	230/460						
AMPS	8.4/4.2						
RPM	1765						
FRAME	182T	HZ	60	PH	3		
SF	1.15	CODE	K	DES	B	CLASS	F
NEMA NOM. EFF	89.5	PF	74				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V			N/A		
DE	6206	ODE	6205				
ENCL	OPSB	SN					
VPWM INVERTER READY							
CT30-60(2:1) VT3-60(20:1)							
USABLE AT	50HZ 3HP 190/380V 8.6/4.3A						SF1.0

Accessories

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

AC Induction Motor Performance Data

Record # 33604

Typical performance - not guaranteed values

Winding: 36WGS658-R001		Type: 3630M	Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	8.87 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	8.4/4.2	Breakdown Torque	37.4 LB-FT	
R.P.M.	1765	Pull-up Torque	17.3 LB-FT	
Hz	60 Phase	Locked-rotor Torque	21.2 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	32.3 A	
Service Factor (S.F.)	1.15	No-load Current	2.43 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	3.8716 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	24°C	
S.F. Amps		Temp. Rise @ S.F. Load	28°C	
		Locked-rotor Power Factor	43	
		Rotor inertia	0.279 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	66	73	79	81	77
Efficiency	80.2	87.5	89.5	89.7	89.5	88.7	89.6
Speed	1791.1	1783	1774.5	1765.5	1755.7	1744.8	1760
Line amperes	2.6	2.99	3.54	4.25	4.97	5.83	4.68

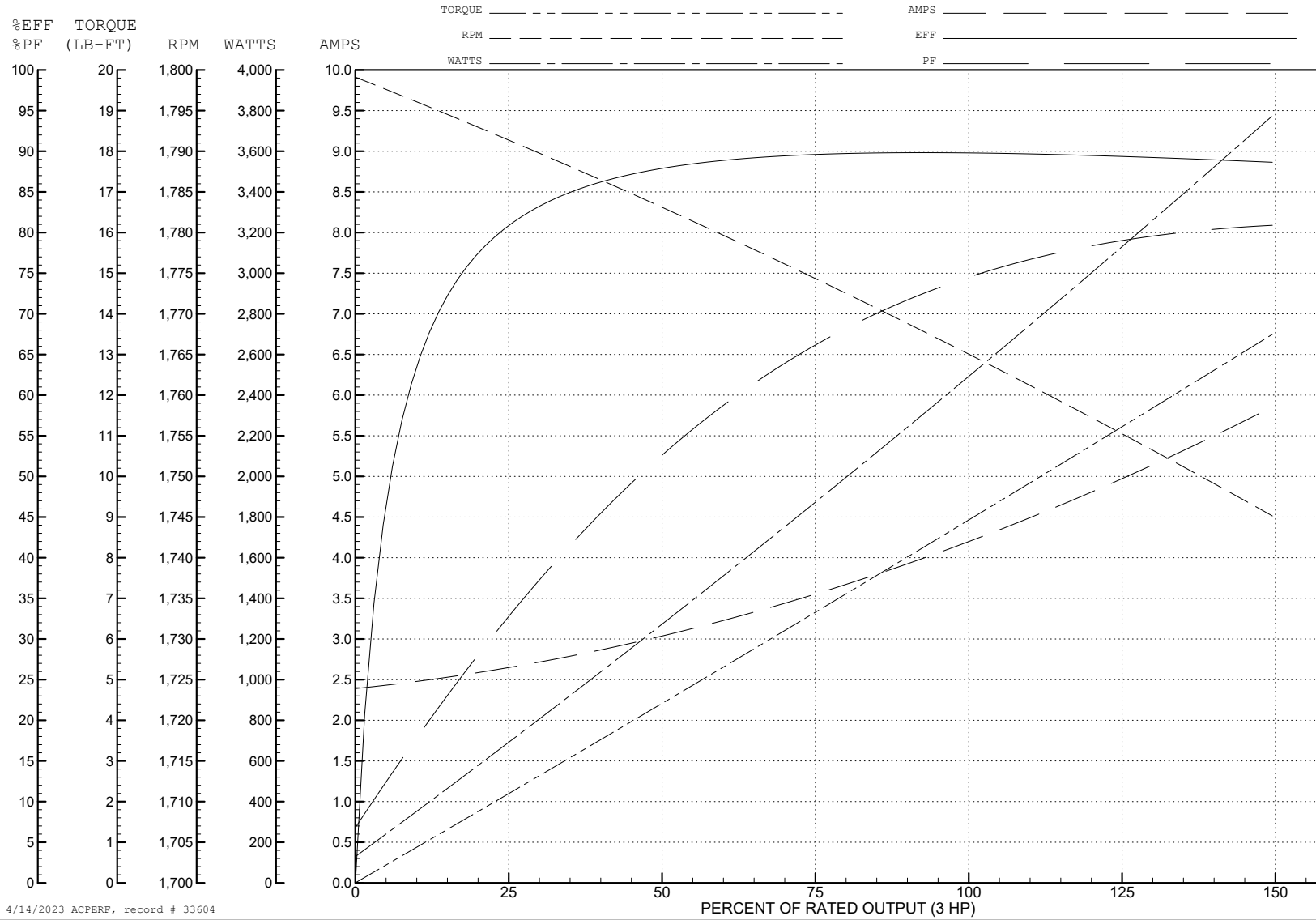
ABB Motors and Mechanical Inc.

WINDING # 36WGS658

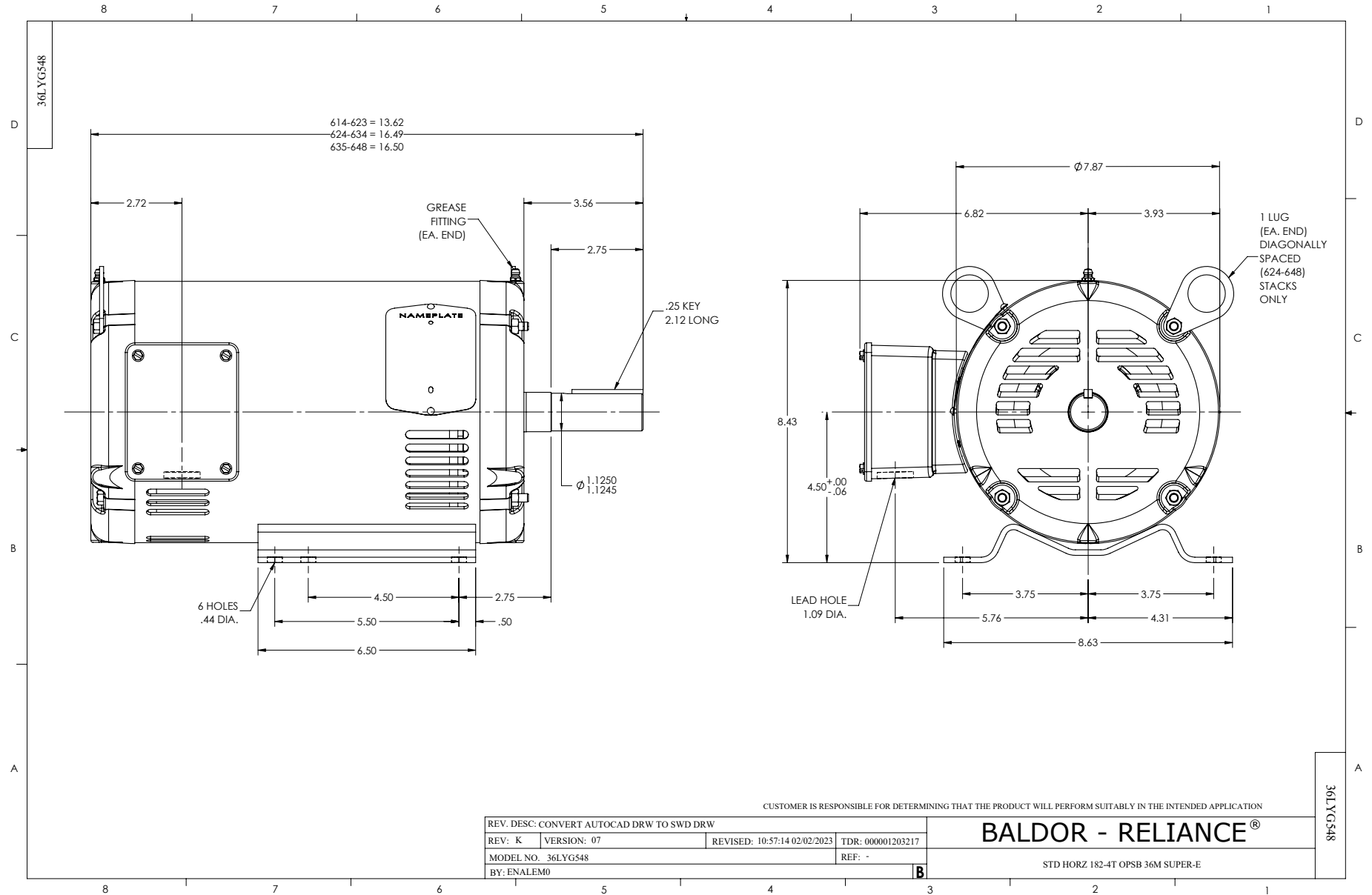
3 HP 3 PH 60 HZ 1765 RPM 460 V 3630M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=37.4 PU=17.3 LR=21.2 LRA=32.3



4/14/2023 ACPERF, record # 33604



CD0005

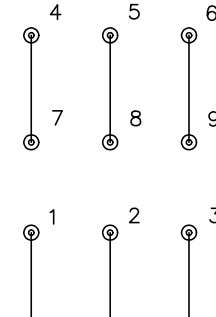


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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			
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