



Customer information packet

EHM3218TA

5HP, 1750RPM, 3PH, 60HZ, 184T, 3640M, OPSB, F3

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	184T
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
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	14.000 A @ 208.0 V 6.600 A @ 460.0 V 13.200 A @ 230.0 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
Front Shaft Indicator	None

Part detail

Revision	Q
Type	AC
Mech. spec.	36H650
Base	
Status	PRD/A
Elec. spec.	36WGS536
Layout	36LYH650
Eff. date	07-25-2024
CD Diagram	CD0007
Poles	04
Leads	12#16
Proprietary	False
Created date	07-09-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	6.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F3
Number of Poles	4
Overall Length	16.50 IN
Power Factor	80
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	1750 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use Eve-Not Valid
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload

Winding Thermal 1 Location

KO

Winding Thermal 2

None

Nameplate

NP2601L									
CAT.NO.	EHM3218TA								
SPEC.	36H650S536E7								
HP	5								
VOLTS	230/460								
AMP	13.2/6.6								
RPM	1750								
FRAME	184T		HZ	60		PH	3		
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	80						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	OPSB	SN							

AC Induction Motor Performance Data

Record # 32558

Typical performance - not guaranteed values

Winding: 36WGS536-R005		Type: 3640M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	5		Full Load Torque	15 LB-FT	
Volts	230/460		Start Configuration	direct on line	
Full Load Amps	13.2/6.6		Breakdown Torque	44.8 LB-FT	
R.P.M.	1750		Pull-up Torque	25.5 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	30.1 LB-FT	
NEMA Design Code	B KVA Code	J	Starting Current	44.8 A	
Service Factor (S.F.)	1.15		No-load Current	2.97 A	
NEMA Nom. Eff.	89.5 Power Factor	80	Line-line Res. @ 25°C	2.62 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	44°C	
S.F. Amps			Temp. Rise @ S.F. Load	54°C	
			Locked-rotor Power Factor	41	
			Rotor inertia	0.372 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	75	80	83	84	82
Efficiency	85.4	89.8	90.2	89.6	88.5	86.5	88.9
Speed	1789	1779	1767	1754	1740	1722	1746
Line amperes	3.32	4.13	5.25	6.57	8.03	9.65	7.45

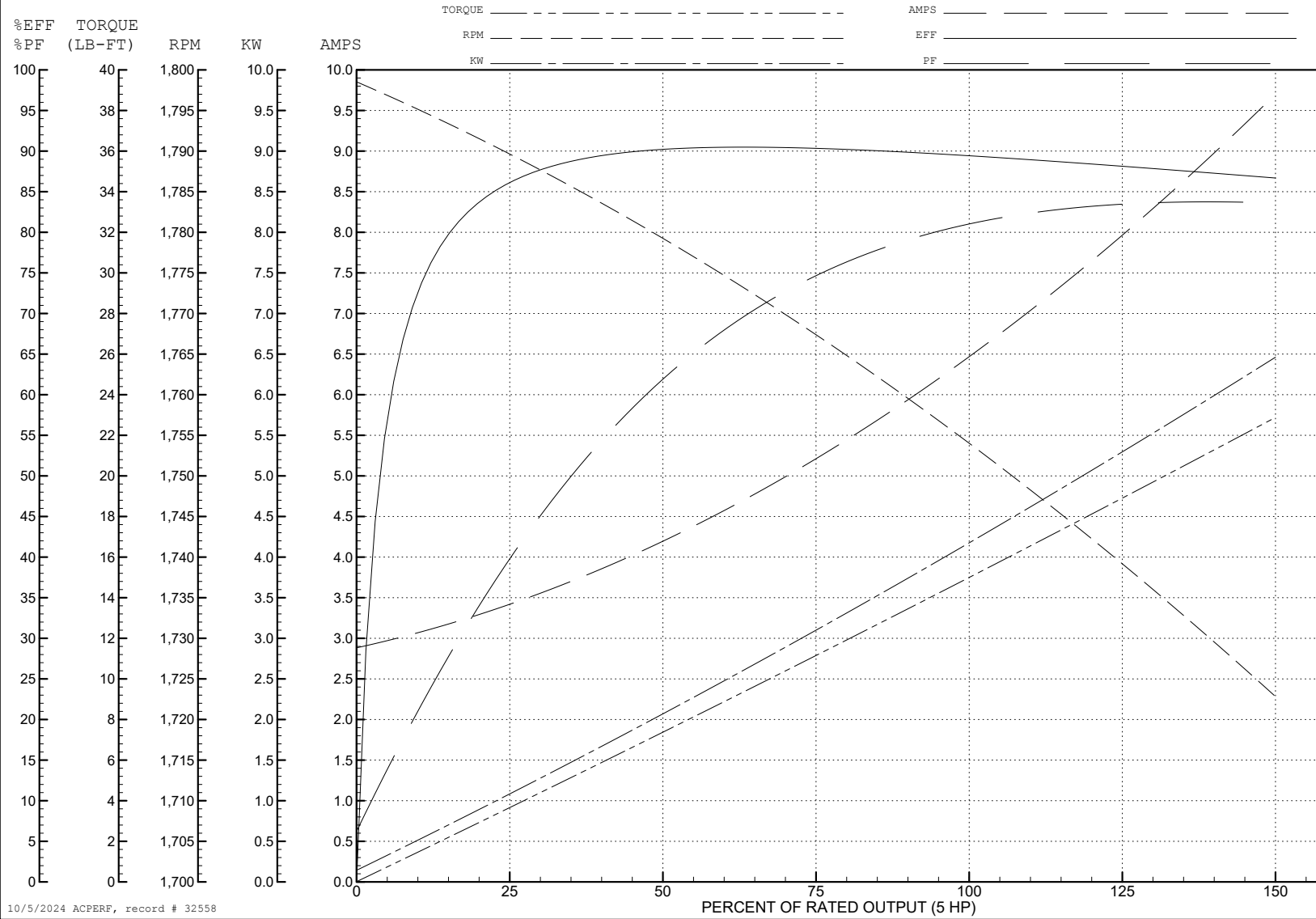
ABB Motors and Mechanical Inc.

WINDING # 36WGS536

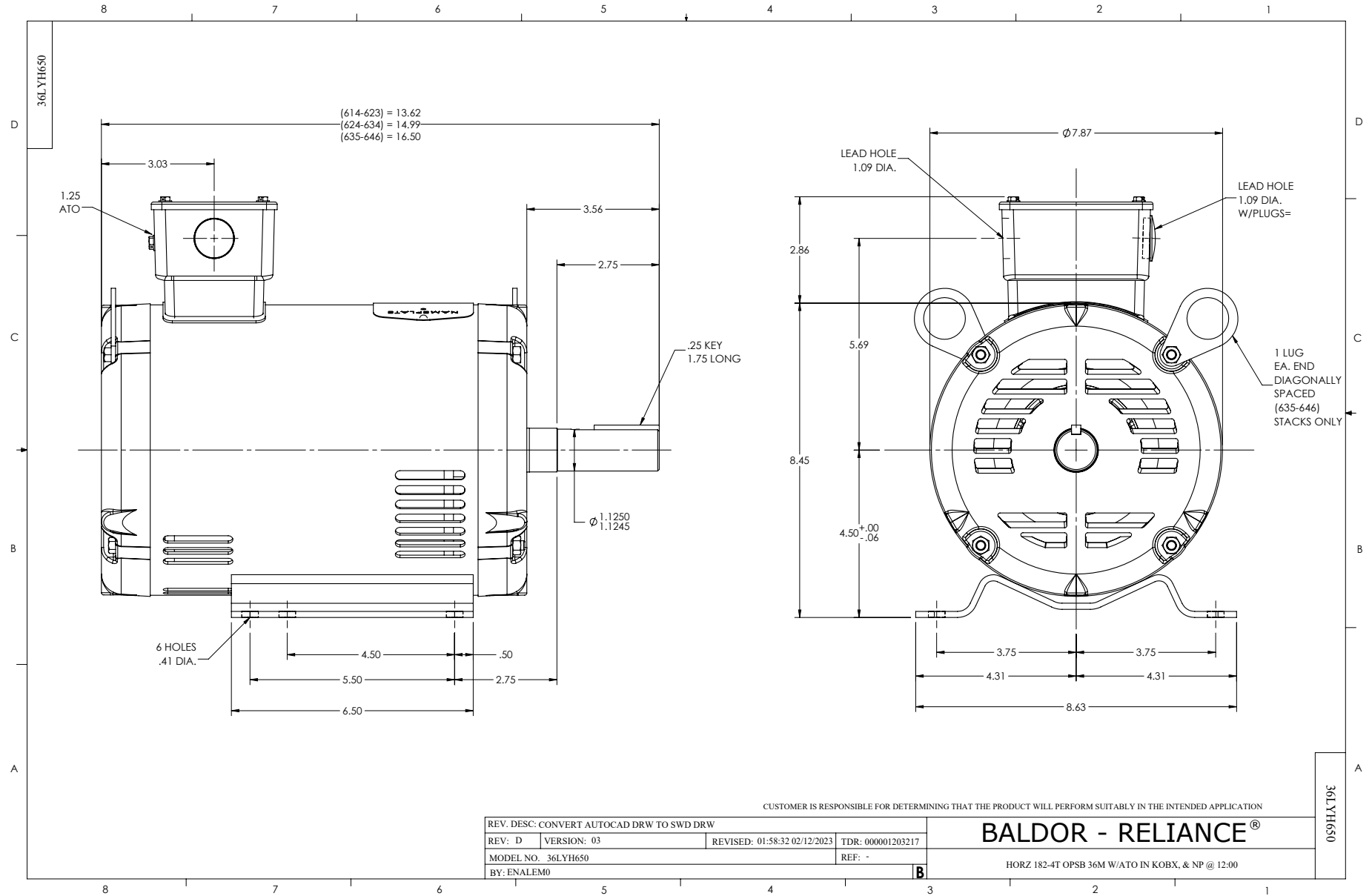
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1750 RPM 460 V 3640M

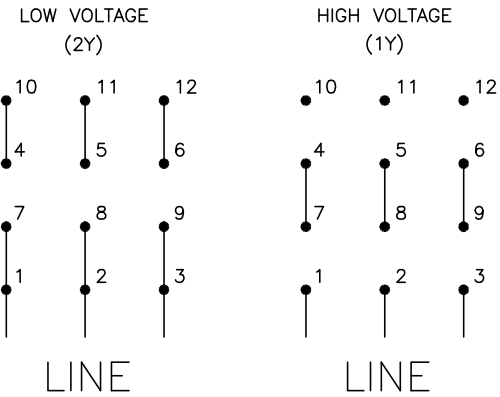
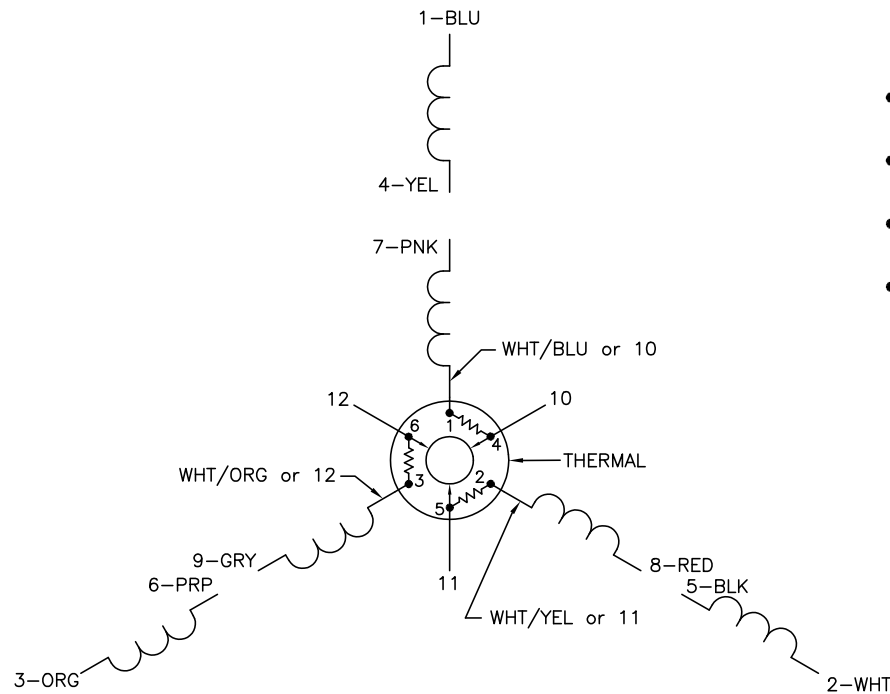
TORQUES (LB-FT): PO=44.8 PU=25.5 LR=30.1 LRA=44.8



10/5/2024 ACPERF, record # 32558



CD0007



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0007

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
∟00000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS