

BALDOR • RELIANCE

Customer information packet

EHF3211T-8

3HP, 1760RPM, 3PH, 60HZ, 182T, 3628M, OPSB, F2

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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	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	9.300 A @ 200.0 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
Heater Indicator	No Heater
High Voltage Full Load Amps	9.3 a
Insulation Class	B
Inverter Code	Inverter Ready

Part detail

Revision	G
Type	AC
Mech. spec.	36L731
Base	
Status	PRD/A
Elec. spec.	36WGY488
Layout	36LYL731
Eff. date	01-15-2025
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	02-17-2010

KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F2
Number of Poles	4
Overall Length	15.00 IN
Power Factor	77
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	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

NP2094E06B03									
CAT.NO.	EHFM3211T-8								
SPEC.	36L731Y488G1								
HP	3								
VOLTS	200								
AMPS	9.3								
RPM	1760								
FRAME	182T	HZ	60	PH	3				
SER.F.	1.15	CODE	K	DES	B	CL	B		
NEMA-NOM-EFF	89.5	PF	77						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V					N/A		
DE	6206	ODE	6205						
AUTO	N	MANUAL	N	NONE	Y				
ENCL	OPSB	SN							
BLANK	SFA 10.5								

AC Induction Motor Performance Data

Record # 11363

Typical performance - not guaranteed values

Winding: 36WGY488-R003		Type: 3628M		Enclosure: OPSB	
Nameplate Data			200 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	3	Full Load Torque	9 LB-FT		
Volts	200	Start Configuration	direct on line		
Full Load Amps	9.3	Breakdown Torque	31 LB-FT		
R.P.M.	1760	Pull-up Torque	16.5 LB-FT		
Hz	60	Locked-rotor Torque	22 LB-FT		
NEMA Design Code	B	Starting Current	74 A		
Service Factor (S.F.)	1.15	No-load Current	5.1 A		
NEMA Nom. Eff.	89.5	Line-line Res. @ 25°C	0.743 Ω		
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	22°C		
S.F. Amps		Temp. Rise @ S.F. Load	27°C		
		Locked-rotor Power Factor	43		
		Rotor inertia	0.263 LB-FT ²		

Load Characteristics 200 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	71	77	81	83	79
Efficiency	84	89.1	90	89.7	88.7	87.3	89.1
Speed	1788	1778	1767	1756	1743	1729	1748
Line amperes	5.3	6.4	7.8	9.4	11.3	13.3	10.6

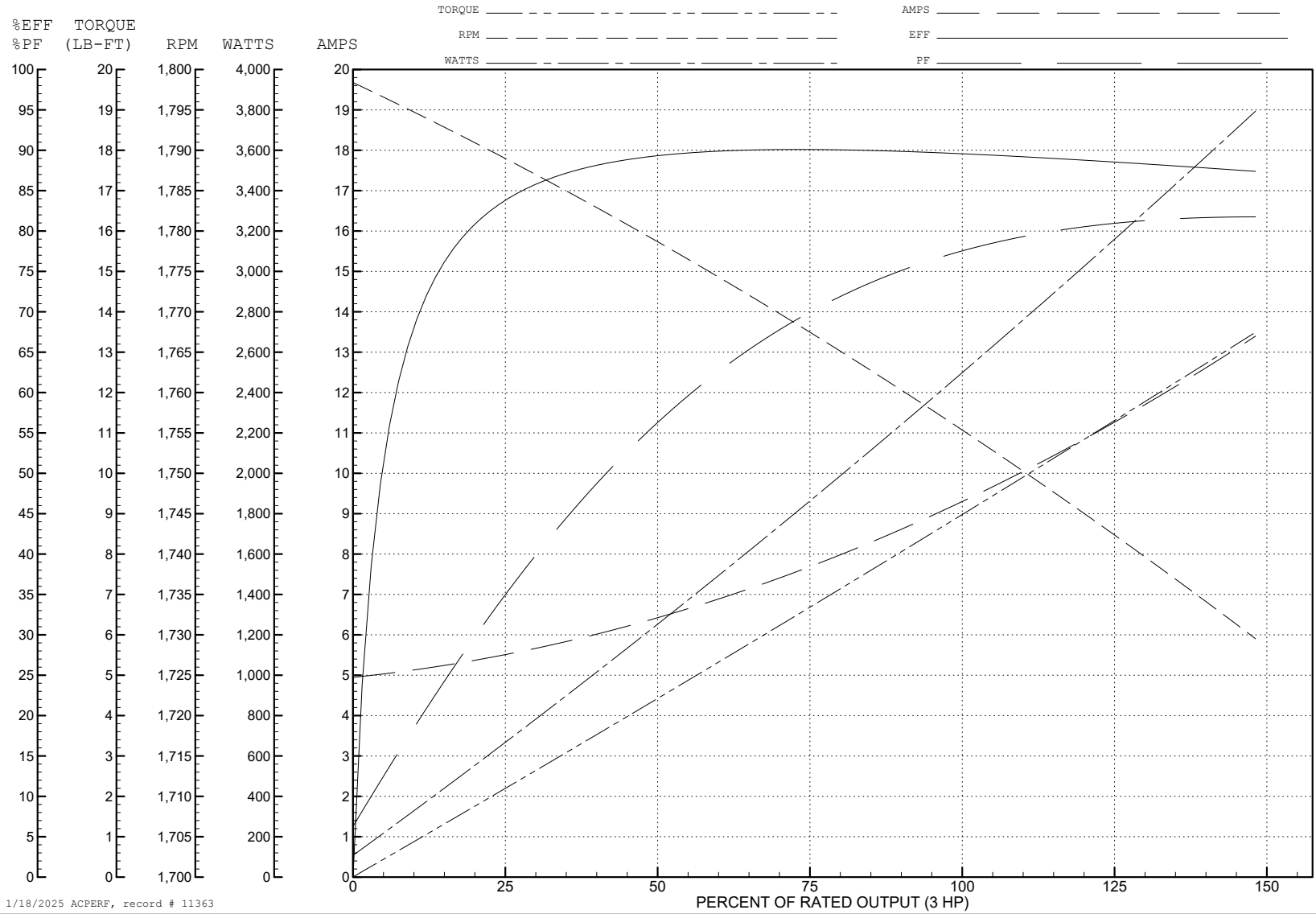
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WINDING # 36WGY488

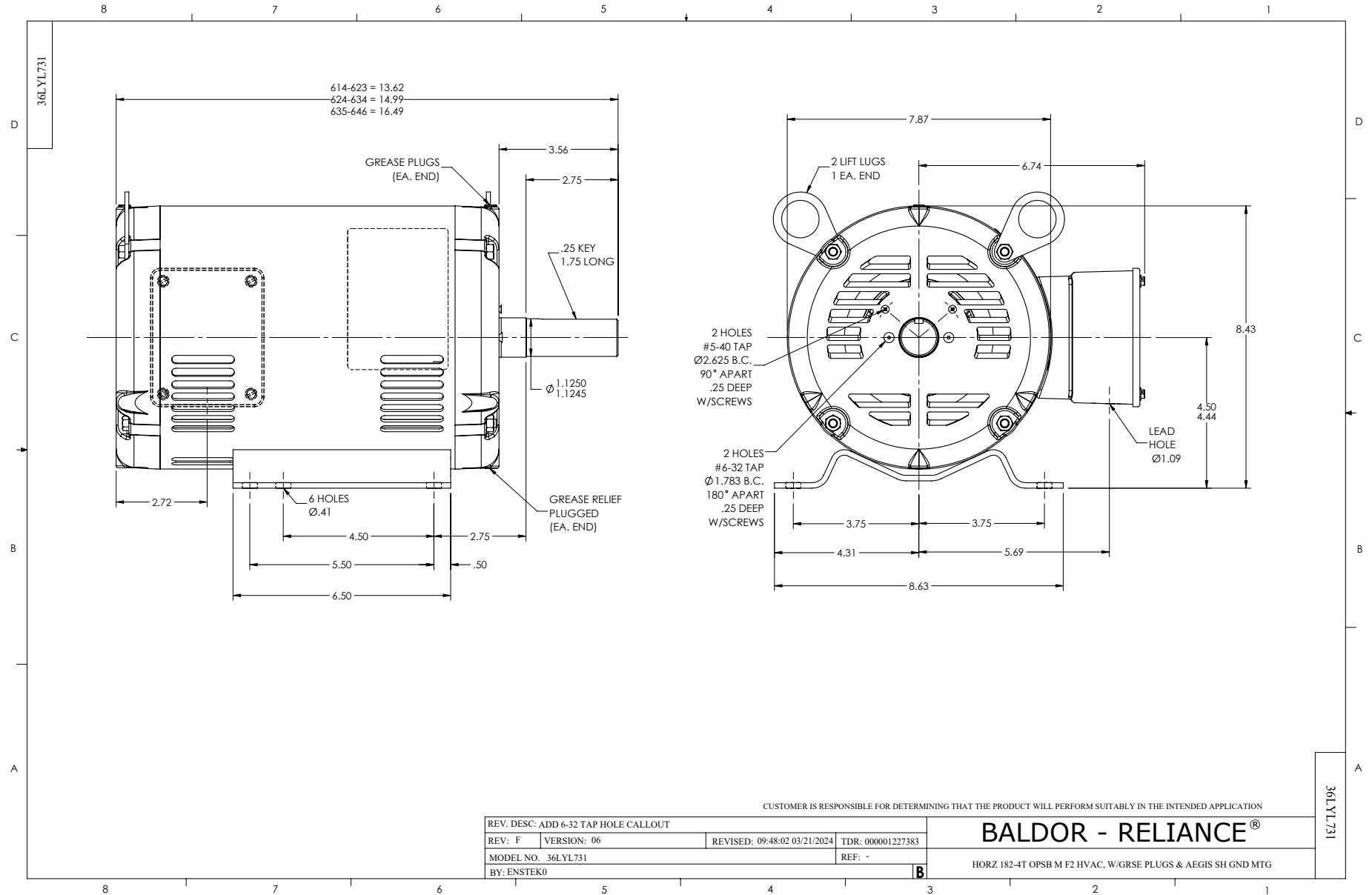
3 HP 3 PH 60 HZ 1760 RPM 200 V 3628M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=31 PU=16.5 LR=22 LRA=74



1/18/2025 ACPERF, record # 11363



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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