

ABB BALDOR RELIANCE III

Customer information packet

EHFM3218T-8

5HP, 1750RPM, 3PH, 60HZ, 184T, 3632M, OPSB, F2

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	200.0 V @ 60 HZ
Agency Approvals	UR CSA
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	15.000 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	15.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	J
Type	AC
Mech. spec.	36L731
Base	
Status	PRD/A
Elec. spec.	36WGT159
Layout	36LYL731
Eff. date	01-21-2026
CD Diagram	CD0006
Poles	04
Leads	3#14
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 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F2
Number of Poles	4
Overall Length	15.00 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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2094E06B03									
CAT.NO.	EHFM3218T-8								
SPEC.	36L731T159G1								
HP	5								
VOLTS	200								
AMPS	15								
RPM	1750								
FRAME	184T		HZ	60		PH	3		
SER.F.	1.15	CODE	K	DES	B	CL	F		
NEMA-NOM-EFF	89.5		PF	80					
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 16.9								

AC Induction Motor Performance Data

Record # 10604

Typical performance - not guaranteed values

Winding: 36WGT159-R001			Type: 3632M		Enclosure: OPSB		
Nameplate Data			200 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		5	Full Load Torque		15 LB-FT		
Volts		200	Start Configuration		direct on line		
Full Load Amps		15	Breakdown Torque		51 LB-FT		
R.P.M.		1750	Pull-up Torque		30 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		37 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		115 A
Service Factor (S.F.)		1.15	No-load Current		7.5 A		
NEMA Nom. Eff.		89.5	Power Factor	80	Line-line Res. @ 25°C		0.568 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		41°C
S.F. Amps			Temp. Rise @ S.F. Load		51°C		
			Locked-rotor Power Factor		57		
			Rotor inertia		0.297 LB-FT2		

Load Characteristics 200 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	73	80	83	86	0
Efficiency	88	91.3	91.6	90.7	89.5	88	0
Speed	1788	1777	1767	1754	1740	1726	0
Line amperes	8.3	10.1	12.1	15	18.1	21.6	16.7

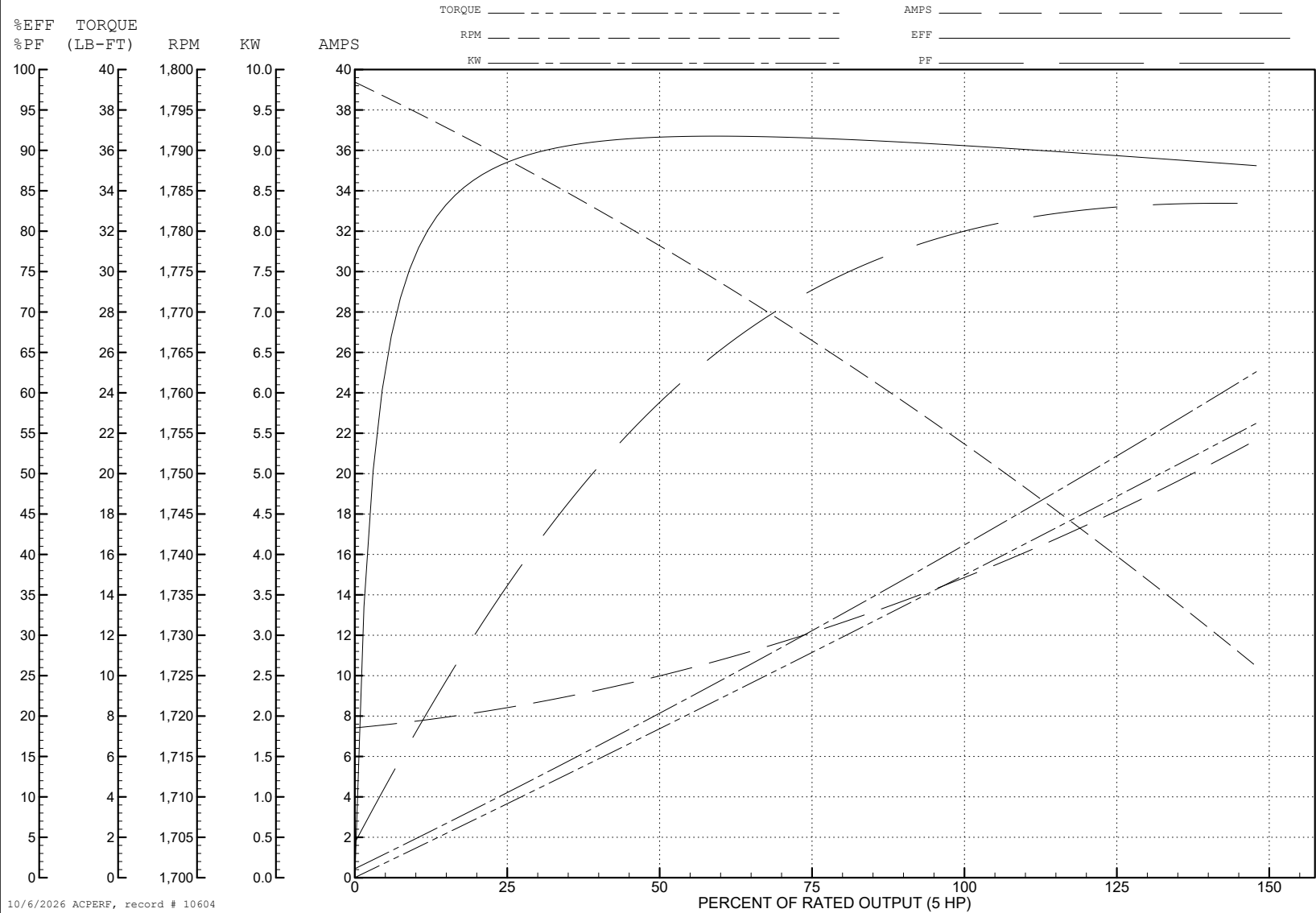
ABB Motors and Mechanical Inc.

WINDING # 36WGT159

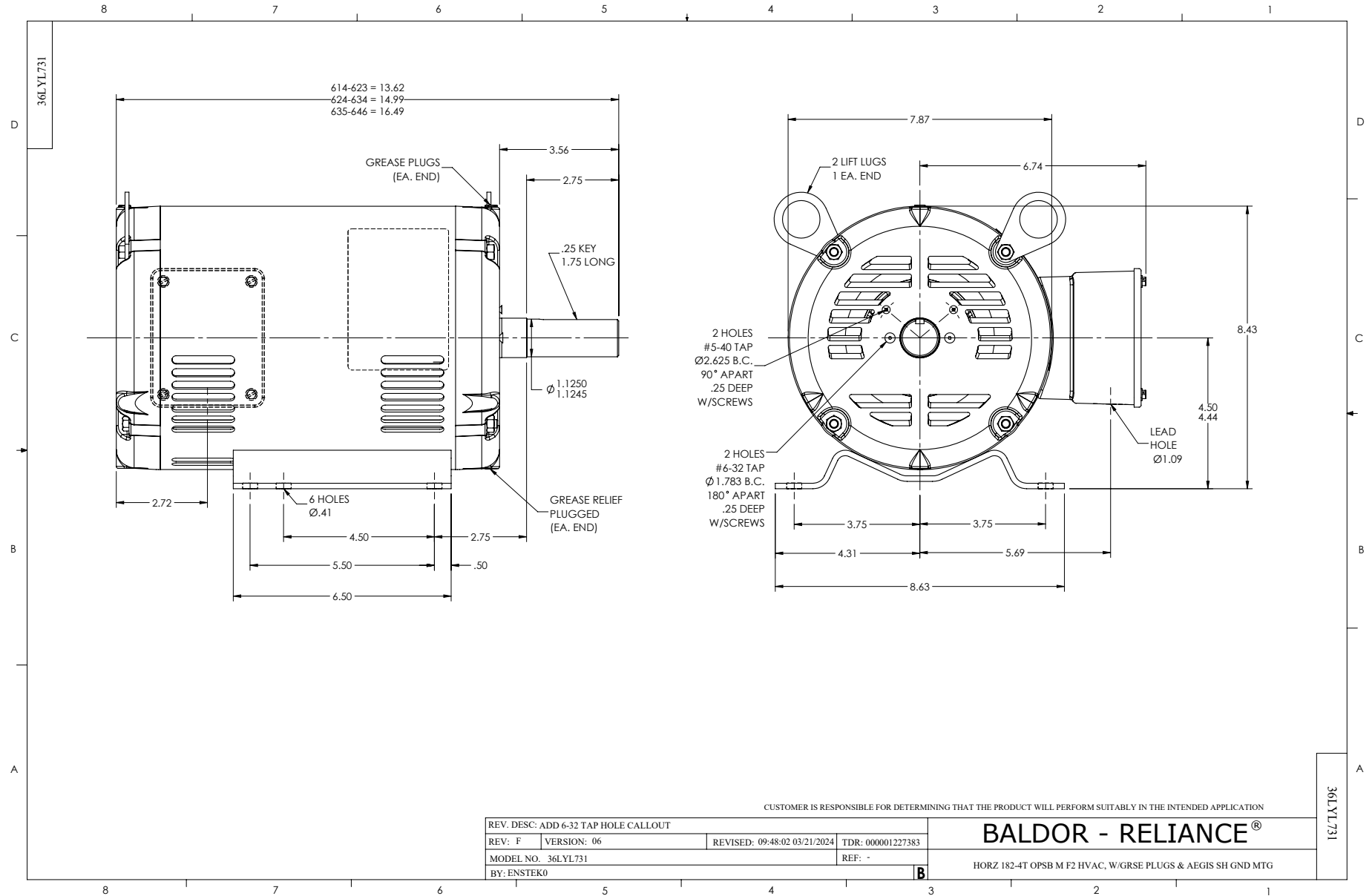
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1750 RPM 200 V 3632M

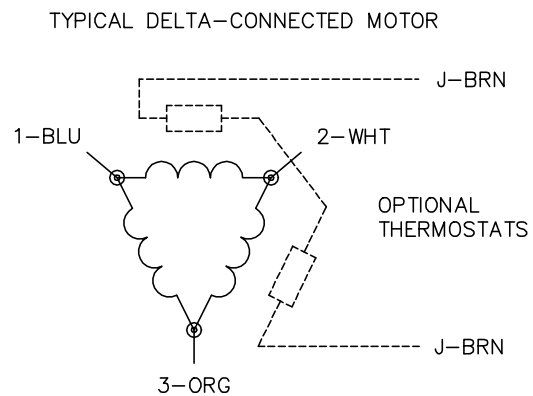
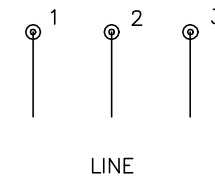
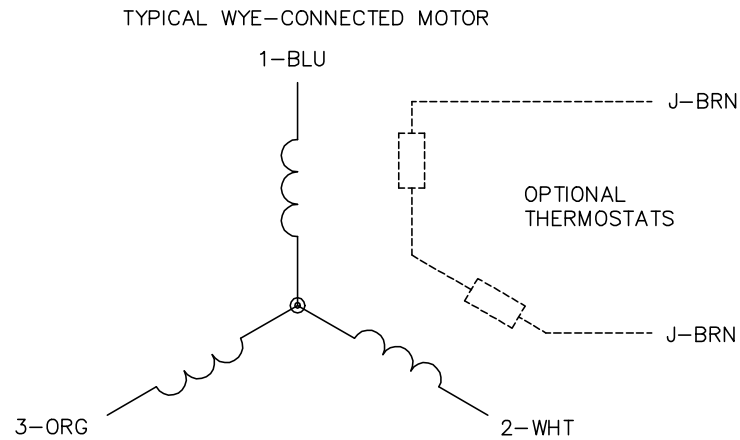
TORQUES (LB-FT) : PO=51 PU=30 LR=37 LRA=115



10/6/2026 ACPERF, record # 10604



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

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

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

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