

BALDOR • RELIANCE

Customer information packet

EMVM3711D

7.5KW, 3490RPM, 3PH, 60HZ, D132SD, 3728M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D132SD
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	7.500 KW @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	11.800 A @ 460.0 V 23.600 A @ 230.0 V 24.900 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	J
Type	AC
Mech. spec.	37E651
Base	
Status	PRD/A
Elec. spec.	37WGS864
Layout	37LYE651
Eff. date	05-01-2024
CD Diagram	CD0005
Poles	02
Leads	9#14 Y
Proprietary	False
Created date	05-08-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	11.8 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3728M
Mounting Arrangement	B5
Number of Poles	2
Overall Length	19.35 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	D-Flange
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.497 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3490 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

NP2672L			
CAT.NO.	EMVM3711D		
SPEC.	37E651S864G1		
IEC FRAME	D132SD	KW	7.5
VOLTS	230/460		
AMP	23.2/11.6		
RPM	3490	ENCL	TEFC
HZ	60	PH	3 CL F
SER.F.	1.15	DES	B CODE G
NEMA-NOM-EFF	90.2	I.P.	54
RATING	40C AMB-CONT		
CC	010A	USABLE AT 208V	N/A
DE	6309	ODE	6206
SER. #			

AC Induction Motor Performance Data

Record # 57407

Typical performance - not guaranteed values

Winding: 37WGS864-R034		Type: 3730M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (KW)	7.5	Full Load Torque	15.03 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	23.2/11.6	Breakdown Torque	46.1 LB-FT		
R.P.M.	3490	Pull-up Torque	19.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	23.7 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	77.3 A
Service Factor (S.F.)	1.15	No-load Current	3.66 A		
NEMA Nom. Eff.	90.2	Power Factor	88	Line-line Res. @ 25°C	1.05 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	79°C	
S.F. Amps			Temp. Rise @ S.F. Load	98°C	
			Locked-rotor Power Factor	33.7	
			Rotor inertia	0.273 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 7.5 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	78	85	88	90	89	88
Efficiency	88.7	91.7	91.6	90.6	89.1	87.3	89.9
Speed	3573	3548	3520	3489	3454	3416	3463
Line amperes	4.57	6.51	8.94	11.66	14.68	18	13.6

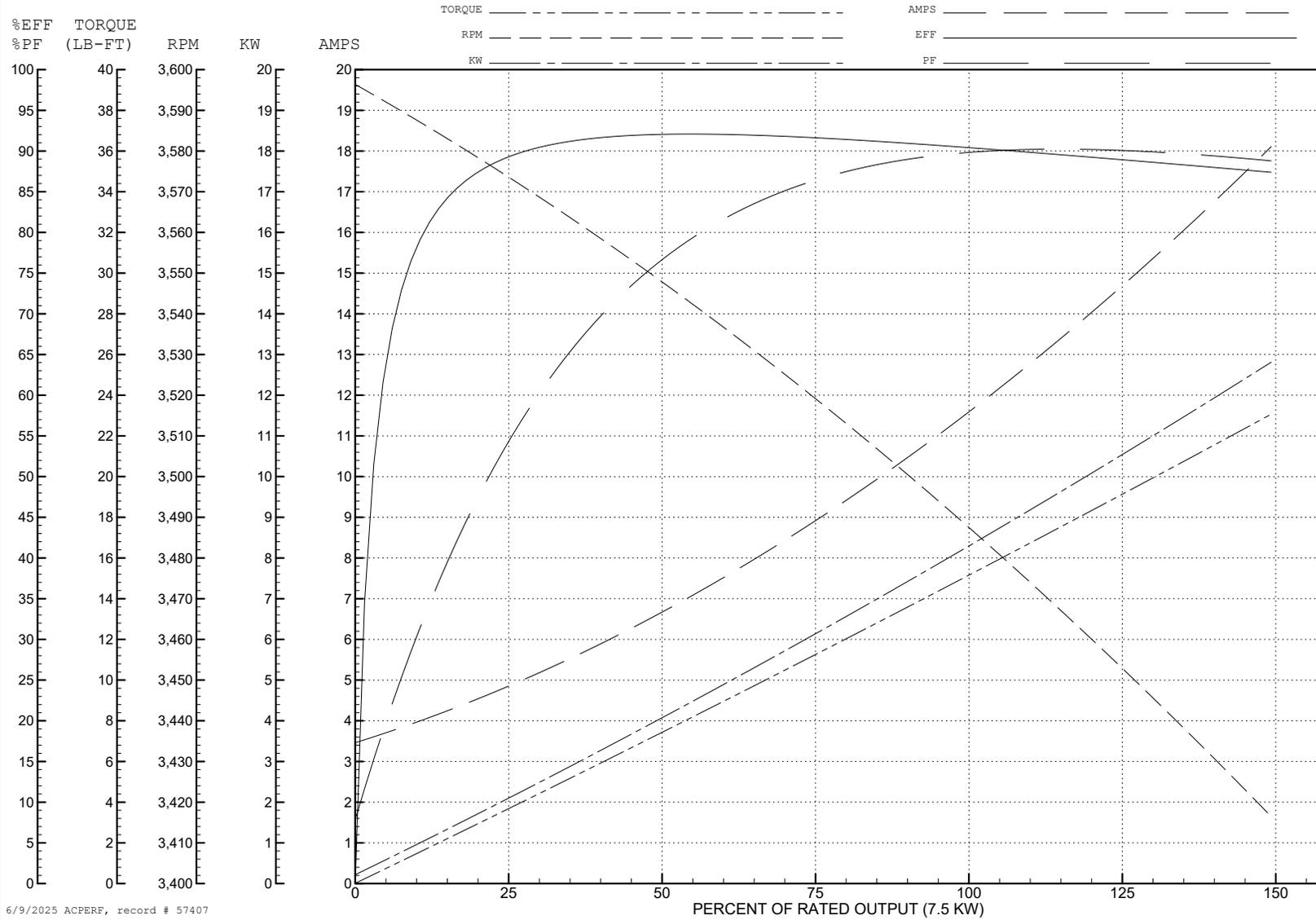
ABB Motors and Mechanical Inc.

WINDING # 37WGS864

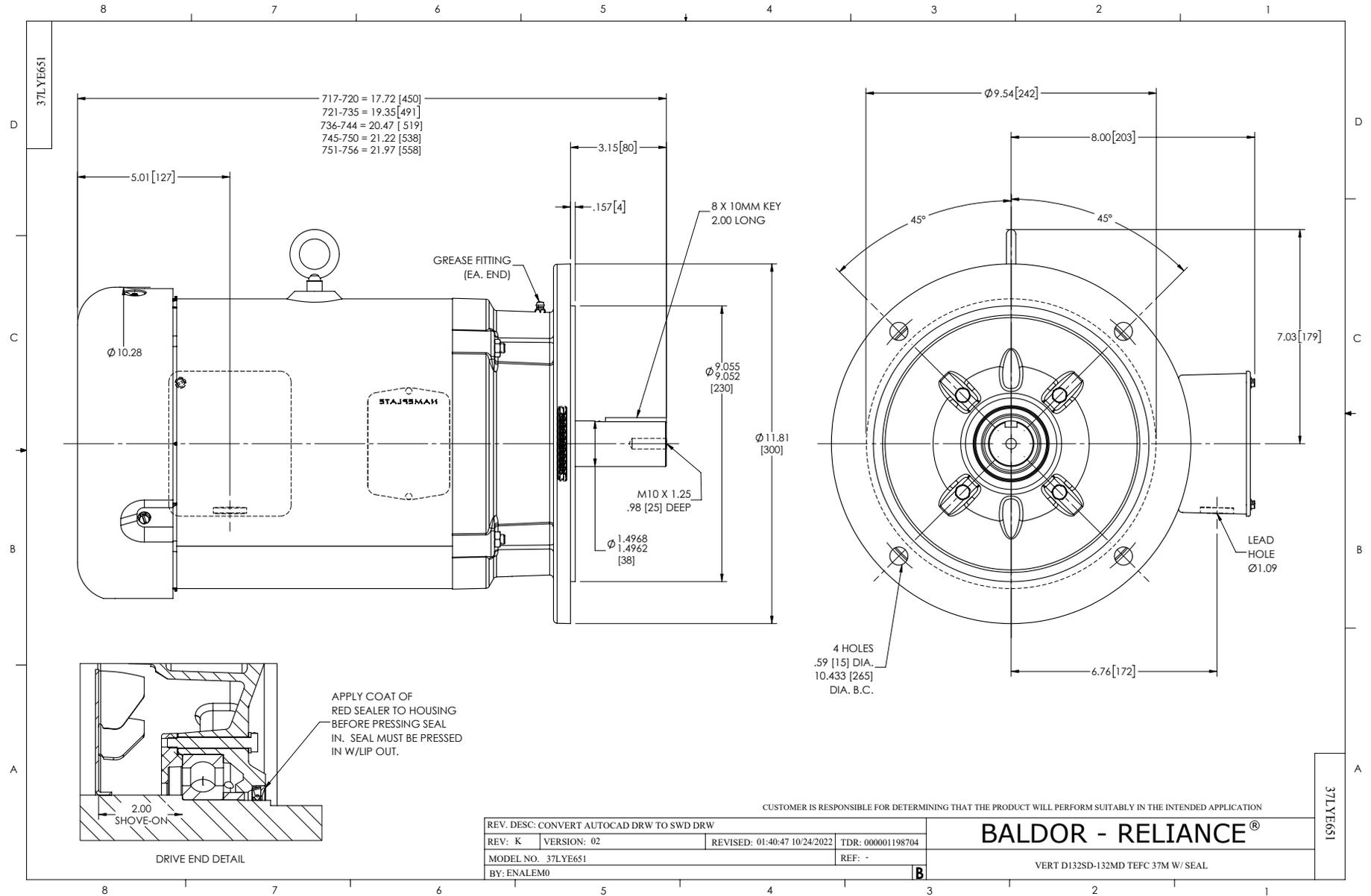
Typical performance - not guaranteed values.

7.5 KW 3 PH 60 HZ 3490 RPM 460 V 3730M

TORQUES (LB-FT): PO=46.1 PU=19.3 LR=23.7 LRA=77.3



6/9/2025 ACPERF, record # 57407



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