



Customer information packet

EJMM3314T-5

15HP, 3475RPM, 3PH, 60HZ, 215JM, 3734M, OPSB, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	215JM
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
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	13.800 A @ 575.0 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
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	13.8 a
Insulation Class	F

Part detail

Revision	J
Type	AC
Mech. spec.	37F696
Base	
Status	PRD/A
Elec. spec.	37WGR227
Layout	37LYF696
Eff. date	01-29-2025
CD Diagram	CD0006
Poles	02
Leads	3#14
Proprietary	False
Created date	08-18-2015

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	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3734M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.19 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3475 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

NP1259L											
CAT.NO.	EJMM3314T-5										
SPEC.	37F696R227G1										
HP	15										
VOLTS	575										
AMP	13.8										
RPM	3475										
FRAME	215JM		HZ	60			PH	3			
SER.F.	1.15	CODE	G	DES	B	CL	F				
NEMA-NOM-EFF	90.2	PF	89								
RATING	40C AMB-CONT										
CC	010A										
DE	6309		ODE	6206							
ENCL	OPSB	SN									

AC Induction Motor Performance Data

Record # 52423

Typical performance - not guaranteed values

Winding: 37WGR227-R001			Type: 3734M		Enclosure: OPSB			
Nameplate Data			575 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		15	Full Load Torque		22.6 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		13.8	Breakdown Torque		91.7 LB-FT			
R.P.M.		3475	Pull-up Torque		28.4 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		37.3 LB-FT		
NEMA Design Code		B	KVA Code	G	Starting Current		87 A	
Service Factor (S.F.)		1.15	No-load Current		4.33 A			
NEMA Nom. Eff.		90.2	Power Factor		89	Line-line Res. @ 25°C		1.04 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		46°C	
S.F. Amps			Temp. Rise @ S.F. Load		58°C			
			Locked-rotor Power Factor		32.6			
			Rotor inertia		0.31 LB-FT2			

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	79	86	89	89	88	89
Efficiency	90.5	92.6	92.3	90.9	89.3	87.1	89.9
Speed	3572	3545	3515	3479	3441	3398	3456
Line amperes	5.3	7.62	10.5	13.8	17.6	21.8	16.1

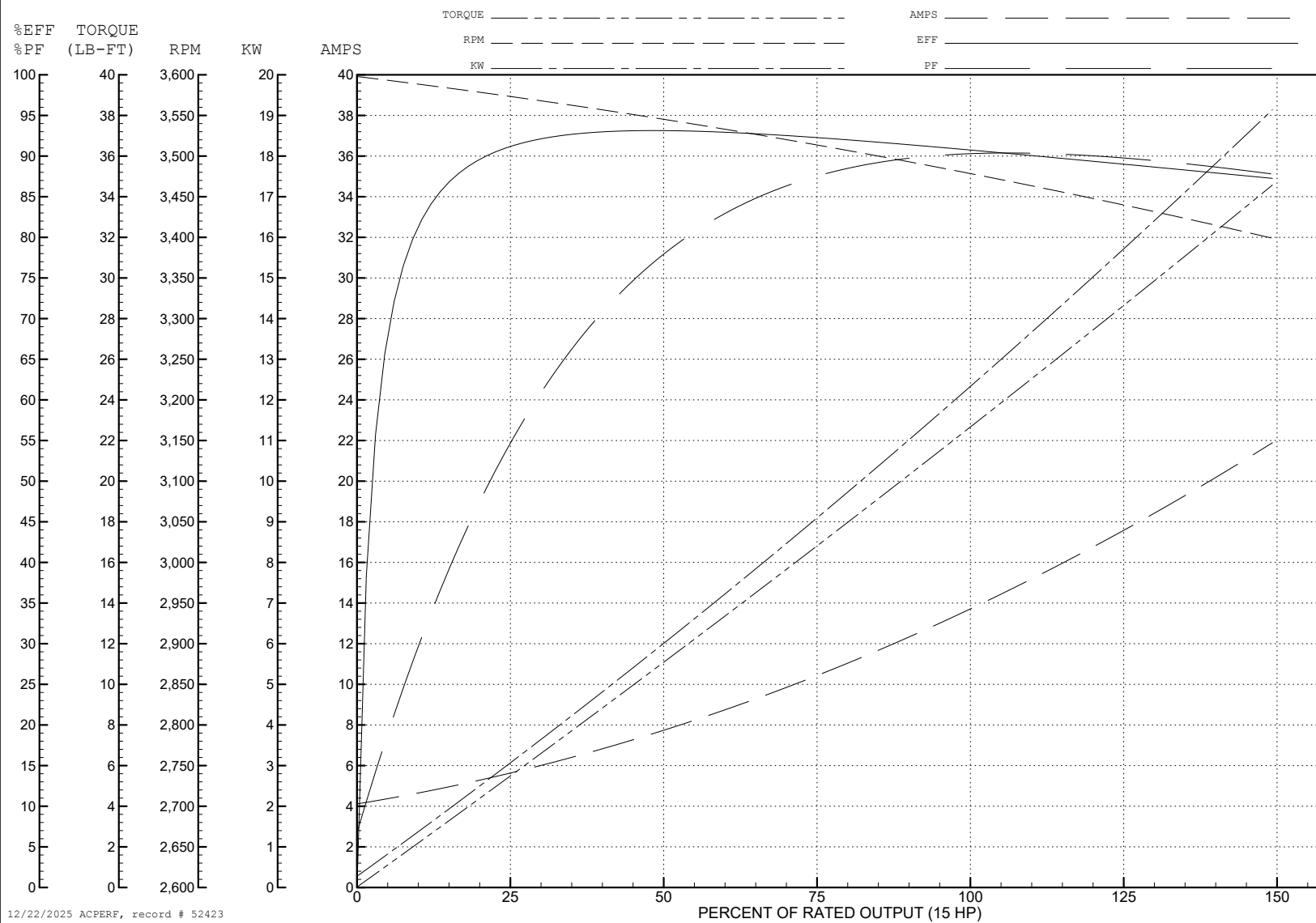
ABB Motors and Mechanical Inc.

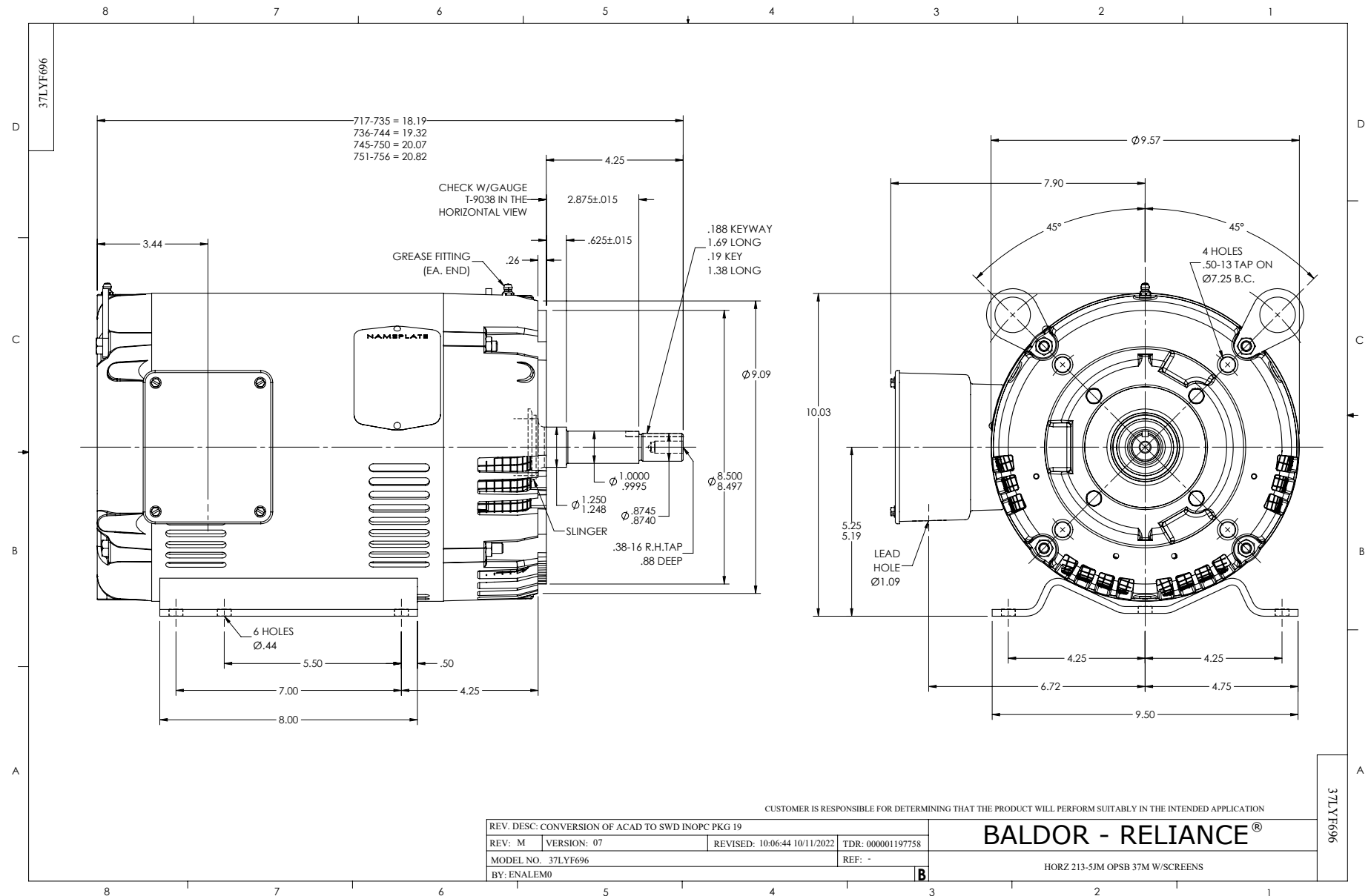
WINDING # 37WGR227

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3475 RPM 575 V 3734M

TORQUES (LB-FT): PO=91.7 PU=28.4 LR=37.3 LRA=87





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
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MTL: —		

BALDOR - RELIANCE®

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

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