

ABB BALDOR RELIANCE III

Customer information packet

EJMM3312T-5

10HP, 3475RPM, 3PH, 60HZ, 213JM, 3728M, OPSB, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	213JM
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
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	9.600 A @ 575.0 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	9.6 a

Part Detail

Revision	K
Type	AC
Mech. spec.	37F696
Base	
Status	PRD/A
Elec. spec.	37WGR271
Layout	37LYF696
Eff. date	06-10-2026
CD Diagram	CD0006
Poles	02
Leads	3#14
Proprietary	False
Created date	11-11-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
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	3728M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.19 IN
Power Factor	86
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
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.	EJMM3312T-5										
SPEC.	37F696R271G1										
HP	10										
VOLTS	575										
AMP	9.6										
RPM	3475										
FRAME	213JM		HZ	60				PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	F				
NEMA-NOM-EFF	89.5	PF	86								
RATING	40C AMB-CONT										
CC	010A										
DE	6309		ODE	6206							
ENCL	OPSB	SN									

AC Induction Motor Performance Data

Record # 61341

Typical performance - not guaranteed values

Winding: 37WGR271-R003			Type: 3728M		Enclosure: OPSB		
Nameplate Data				575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10		Full Load Torque		15 LB-FT	
Volts		575		Start Configuration		direct on line	
Full Load Amps		9.6		Breakdown Torque		51.2 LB-FT	
R.P.M.		3475		Pull-up Torque		25.7 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		30.1 LB-FT	
NEMA Design Code		B	KVA Code	H		Starting Current	63.6 A
Service Factor (S.F.)		1.15		No-load Current		3.68 A	
NEMA Nom. Eff.		89.5	Power Factor	86	Line-line Res. @ 25°C		1.52 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	29°C
S.F. Amps						Temp. Rise @ S.F. Load	36°C
						Locked-rotor Power Factor	35.5
						Rotor inertia	0.255 LB-FT2

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	74	82	86	88	89	87
Efficiency	84.2	89.5	90.5	90.1	89	87.7	89.4
Speed	3578	3553	3526	3493	3459	3423	3473
Line amperes	4.29	5.66	7.54	9.64	11.9	14.4	11

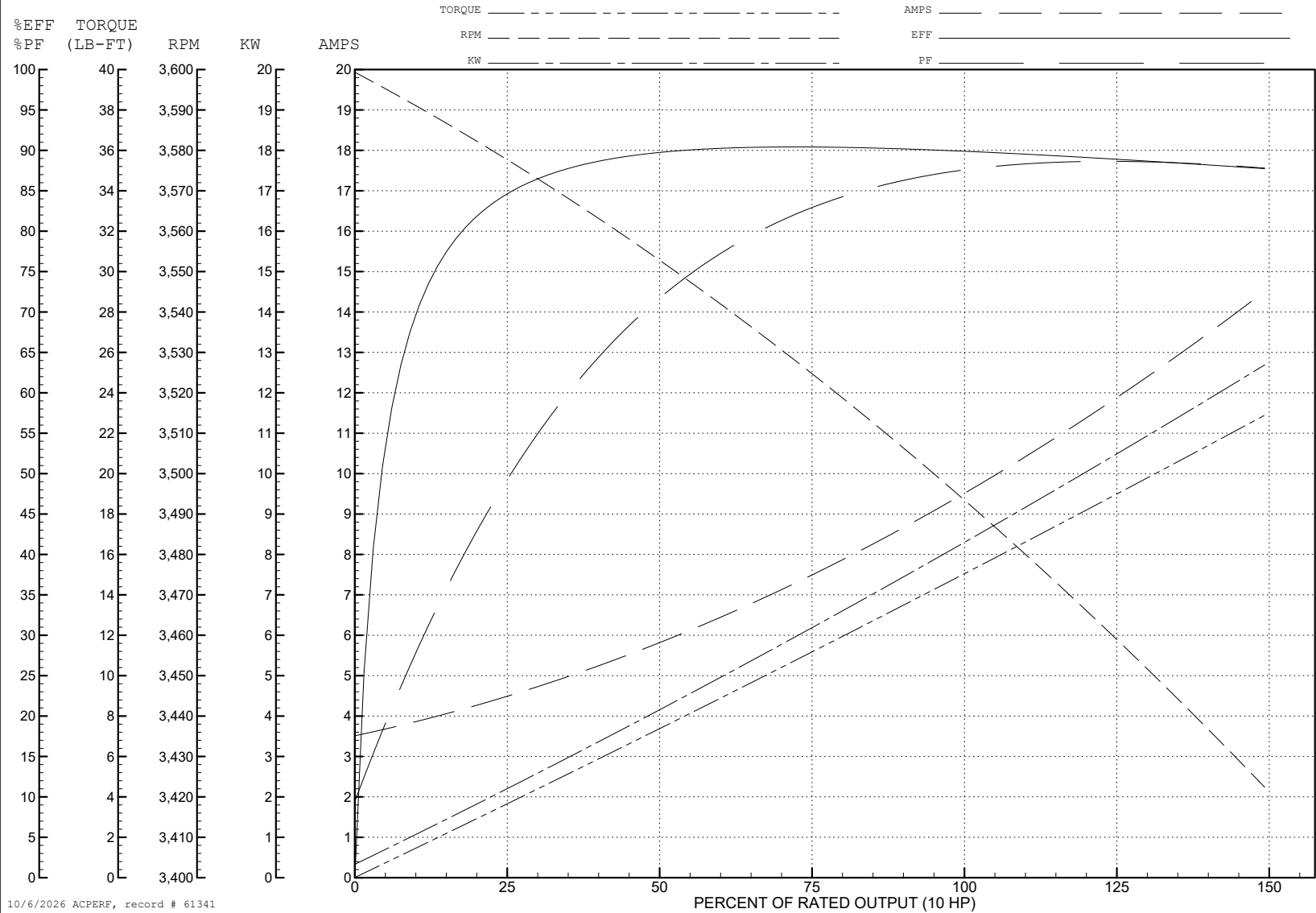
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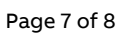
WINDING # 37WGR271

Typical performance - not guaranteed values.

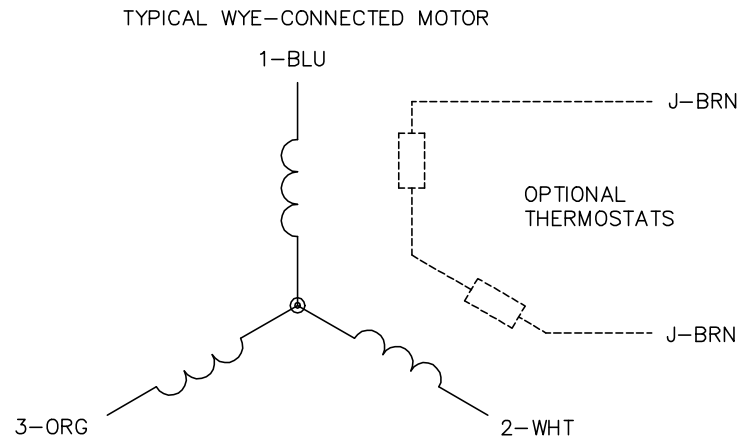
10 HP 3 PH 60 HZ 3475 RPM 575 V 3728M

TORQUES (LB-FT) : PO=51.2 PU=25.7 LR=30.1 LRA=63.6





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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