

ABB BALDOR RELIANCE III

Customer information packet

VEJMM3211T-5

3HP/1760RPM/3PH/ODTF/NEMA 182JM

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	182JM
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	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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.100 A @ 575.0 V
Design Code	B
Drip Cover	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	3.1 a
Insulation Class	F

Part Detail

Revision	Y
Type	AC
Mech. spec.	36N072
Base	
Status	PRD/A
Elec. spec.	36WGY438
Layout	36LYN072
Eff. date	04-20-2026
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	01-01-0001

Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	F1
Number of Poles	4
Overall Length	18.06 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
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	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

NP1259L									
CAT.NO.	VEJMM3211T-5								
SPEC.	36N072Y438G1								
HP	3								
VOLTS	575								
AMP	3.1								
RPM	1760								
FRAME	182JM		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	77						
RATING	40C AMB-CONT								
CC	010A								
DE	6207		ODE	6205					
ENCL	ODTF	SN							
	INVERTER DUTY 20:1 VT								

AC Induction Motor Performance Data

Record # 11328

Typical performance - not guaranteed values

Winding: 36WGY438-R004				Type: 3628M		Enclosure: OPSB	
Nameplate Data				575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		3		Full Load Torque		9 LB-FT	
Volts		575		Start Configuration		direct on line	
Full Load Amps		3.1		Breakdown Torque		31 LB-FT	
R.P.M.		1760		Pull-up Torque		16.5 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		22 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		25.6 A
Service Factor (S.F.)		1.15		No-load Current		1.8 A	
NEMA Nom. Eff.		89.5	Power Factor	77	Line-line Res. @ 25°C		6.11 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		42	
				Rotor inertia		0.263 LB-FT2	

Load Characteristics 575 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	1.9	2.2	2.7	3.1	3.9	4.6	3.6

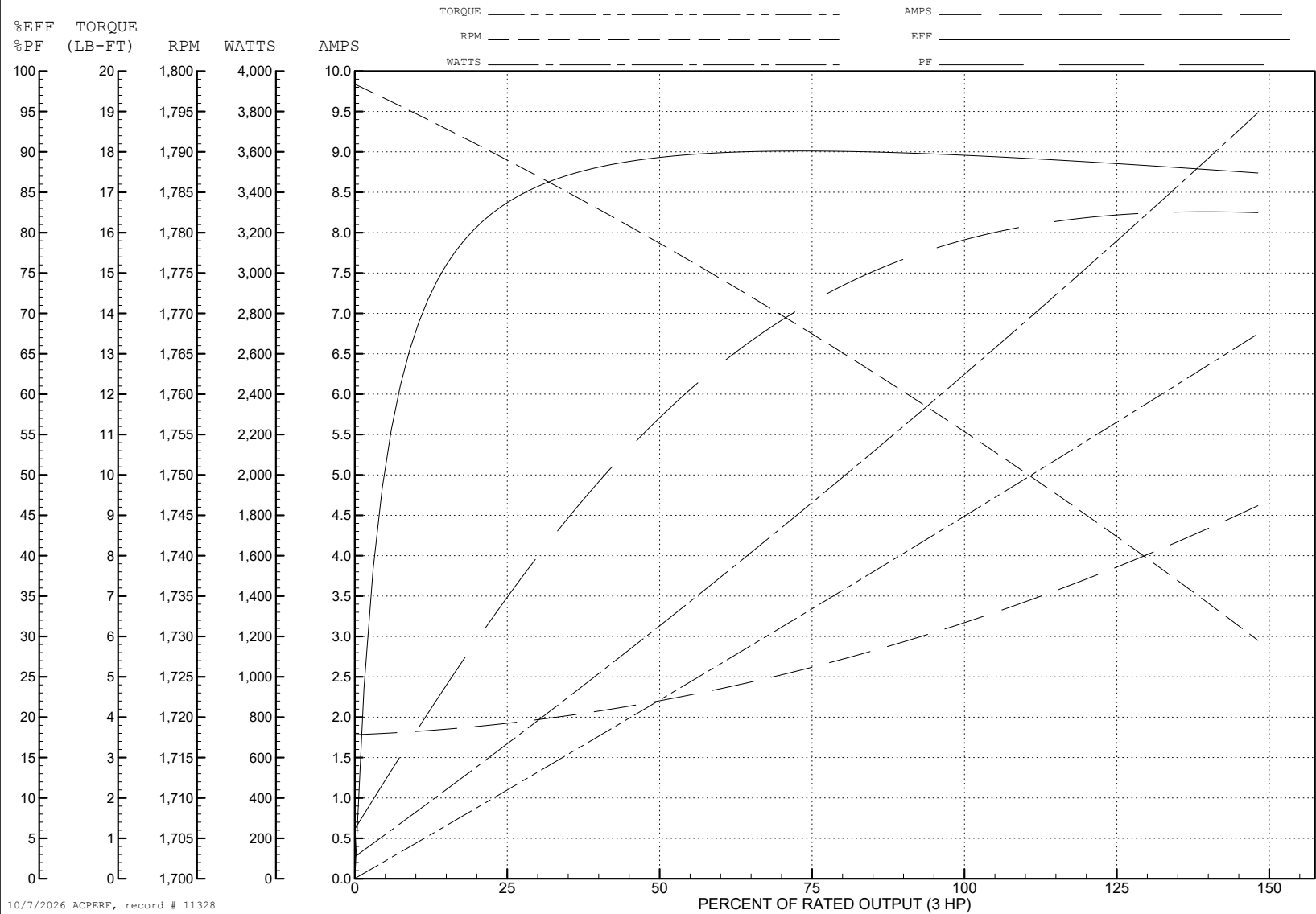
ABB Motors and Mechanical Inc.

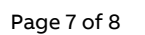
WINDING # 36WGY438

Typical performance - not guaranteed values.

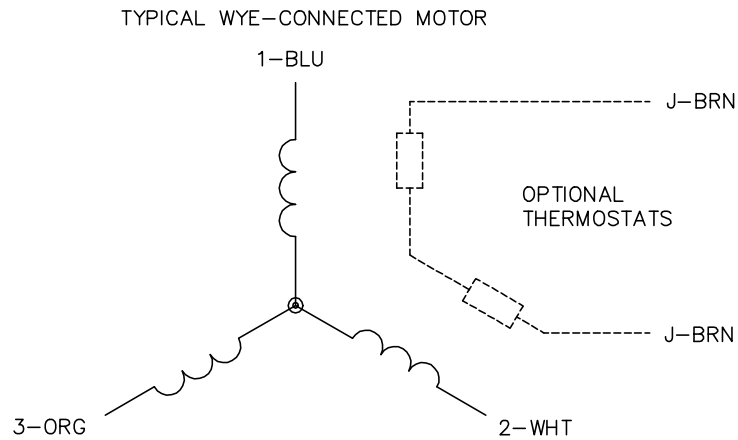
3 HP 3 PH 60 HZ 1760 RPM 575 V 3628M

TORQUES (LB-FT): PO=31 PU=16.5 LR=22 LRA=25.6





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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