

BALDOR® • RELIANCE

Product Information Packet

VM3537-5

.5HP,3450RPM,3PH,60HZ,56C,3410M,TEFC,F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0487	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	34A063	Layout:	34LYA063	Poles:	02	Created Date:	
Base:	N	Eff. Date:	10-23-2017	Leads:	3#18		

Specs			
Catalog Number:	VM3537-5	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	J
Frame:	56C	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 18 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3410M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	63
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	.800 A @ 575.0 V	Shaft Extension Location:	Pulley End
Design Code:	B	Shaft Ground Indicator:	No Shaft Grounding

Drip Cover:	No Drip Cover	Shaft Rotation:	Reversible
Duty Rating:	CONT	Shaft Slinger Indicator:	No Slinger
Electrically Isolated Bearing:	Not Electrically Isolated	Speed Code:	Single Speed
Feedback Device:	NO FEEDBACK	Motor Standards:	NEMA
Front Face Code:	Standard	Starting Method:	Direct on line
Front Shaft Indicator:	None	Thermal Device - Bearing:	None
Heater Indicator:	No Heater	Thermal Device - Winding:	None
Insulation Class:	B	Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP1256L										
CAT.NO.	VM3537-5									
SPEC.	34A63-487									
HP	.5									
VOLTS	575									
AMP	.8									
RPM	3450									
FRAME	56C				HZ	60			PH	3
SER.F.	1.25		CODE	J	DES	B		CLASS	B	
NEMA-NOM-EFF	68		PF	63						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6203				ODE	6203				
ENCL	TEFC		SN							
	SFA 1									

AC Induction Motor Performance Data
Record # 6584 - Typical performance - not guaranteed values

Winding: 34WG0487-R001	Type: 3410M	Enclosure: TEFC
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Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.5			Full Load Torque	0.75 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	.8			Breakdown Torque	3.4 LB-FT
R.P.M.	3450			Pull-up Torque	2.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	4.8 A
Service Factor (S.F.)	1.25			No-load Current	0.72 A
NEMA Nom. Eff.	68	Power Factor	63	Line-line Res. @ 25°C	56.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps	1			Temp. Rise @ S.F. Load	69°C

Load Characteristics 575 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	44	56	64	70	77	70
Efficiency	41.4	56.3	64	67.2	68.4	68.5	68.4
Speed	3563	3535	3501	3466	3432	3381	3432
Line amperes	0.73	0.78	0.81	0.88	0.96	1.06	0.96

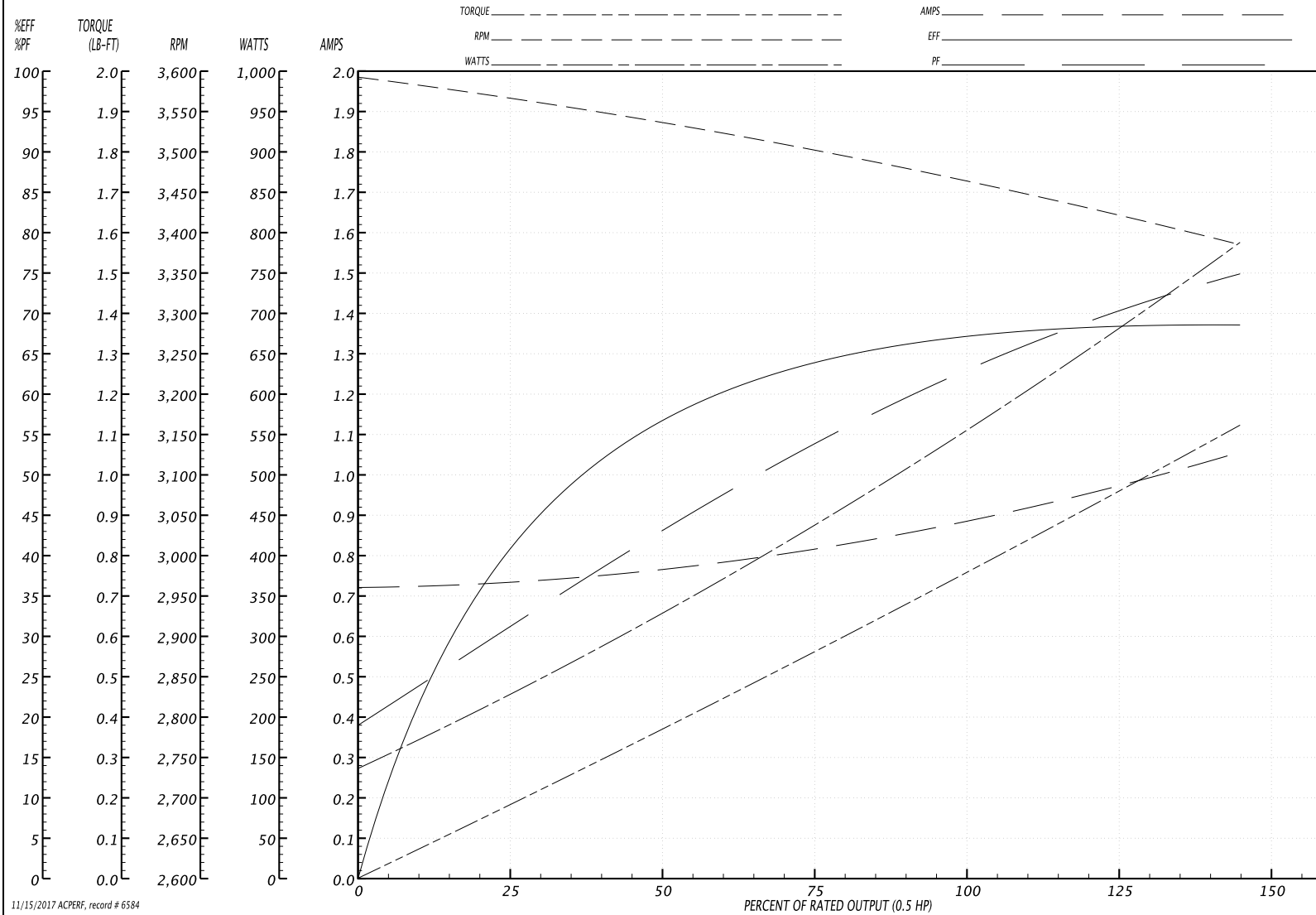
Performance Graph at 575V, 60Hz, 0.5HP Typical performance - Not guaranteed values

BALDOR ELECTRIC COMPANY

WINDING # 34WG0487

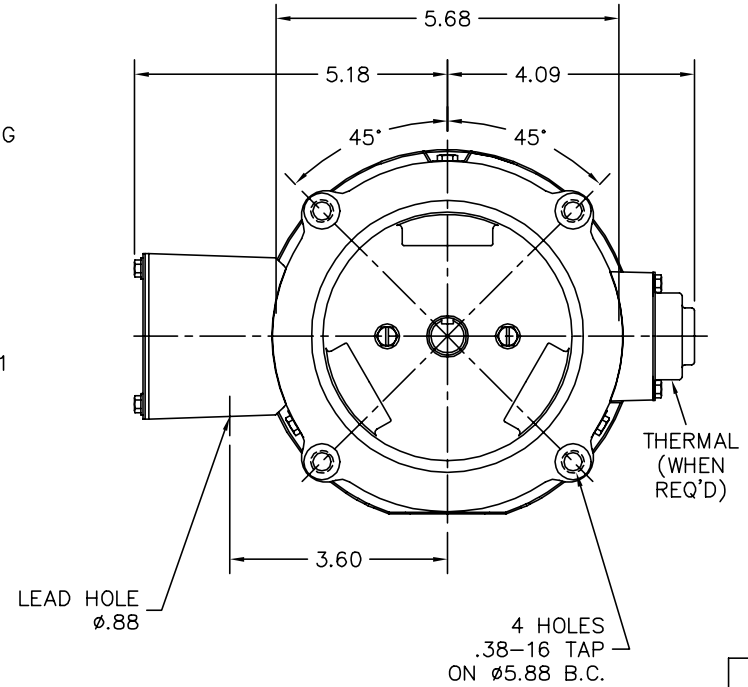
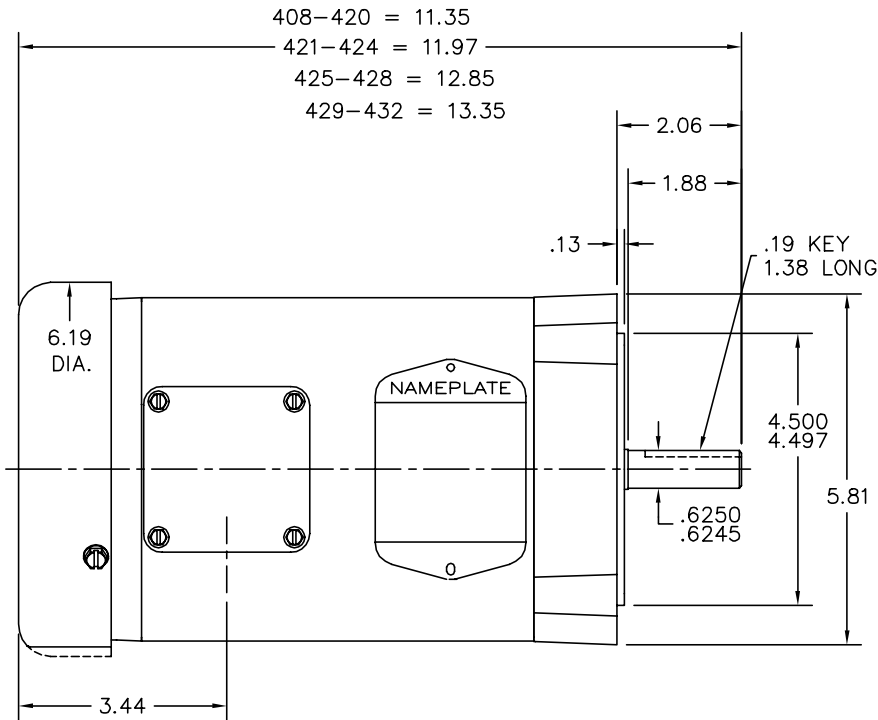
Typical performance - not guaranteed values.

0.5 HP 3 PH 60 HZ 3450 RPM 575 V 3410M
 TORQUES(LB-FT): PO=3.4 PU=2.7 LR=3 LRA=4.8



11/15/2017 ACPERF, record # 6584

34LYA063



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE PARTS		
REV. LTR: L	VERSION: 02	TDR: 000000998268
FILE: \AAA\00000\724	REVISED: 02:36:11 09/27/2016	BY: ENBENBO
MTL: -		

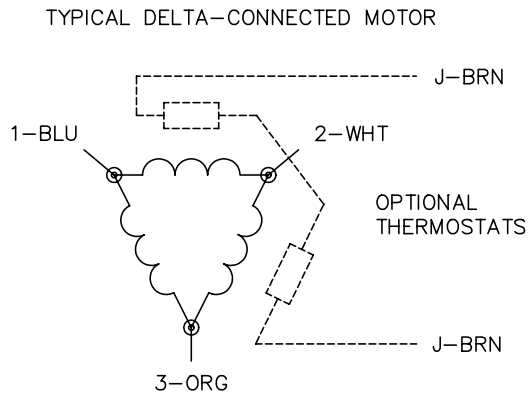
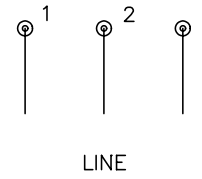
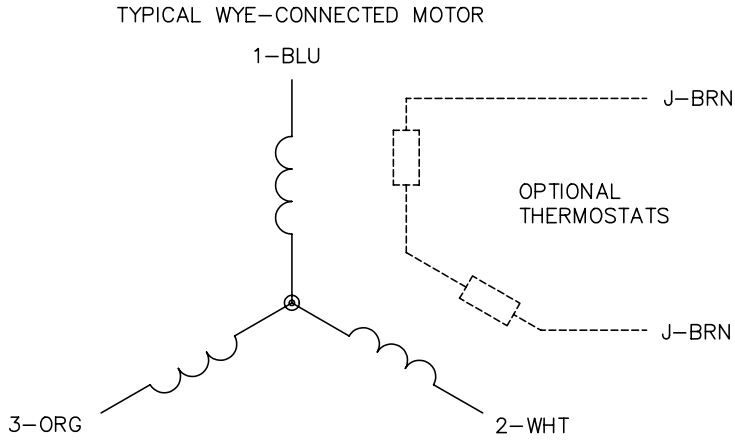
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STD VERT 34M NEMA 56C TEFC

SH 1 of 1

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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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000D		FILE: AAA00005141	MDL: -
		MTL: -	

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

CD0006