



Product Information Packet

VM3538-57

.5HP,1425RPM,3PH,50HZ,56C,3420M,TEFC,F1

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGX268	CD Diagram:	CD0022	Mfg Plant:	
Mech. Spec:	34A063	Layout:	34LYA063	Poles:	04	Created Date:	09-07-2011
Base:	N	Eff. Date:	07-12-2022	Leads:	6#18		

Specs			
Catalog Number:	VM3538-57	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	B
Frame:	56C	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.500 HP @ 50 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1500 RPM @ 50 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 50 HZ	Motor Lead Exit:	Ko Box
	400.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3420M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CE	Power Factor:	67
	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
	WEEE	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	No Mounting	RoHS Status:	ROHS COMPLIANT

Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	1.700 A @ 230.0 V	Shaft Rotation:	Reversible
	1.000 A @ 400.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1372L

CAT.NO.	VM3538-57										
SPEC.	34A063X268G2										
HP	.5 /KW .37										
VOLTS	230/400										
AMP	1.7/1 SFA 2/1.2										
RPM	1425 1/MIN IP44 IC411 KG11										
FRAME	56C				HZ		50		PH		3
SER.F.	1.25		CODE		K	DES		B	CL		B
NEMA-NOM-EFF	73		PF		67						
RATING	40C AMB-S1 CONT										
CC			USABLE AT 208V								
DE	6203		ODE		6203						
ENCL	TEFC		SN								
	IE2-71.8(75%)66.3(50%)										

AC Induction Motor Performance Data

Record # 35147

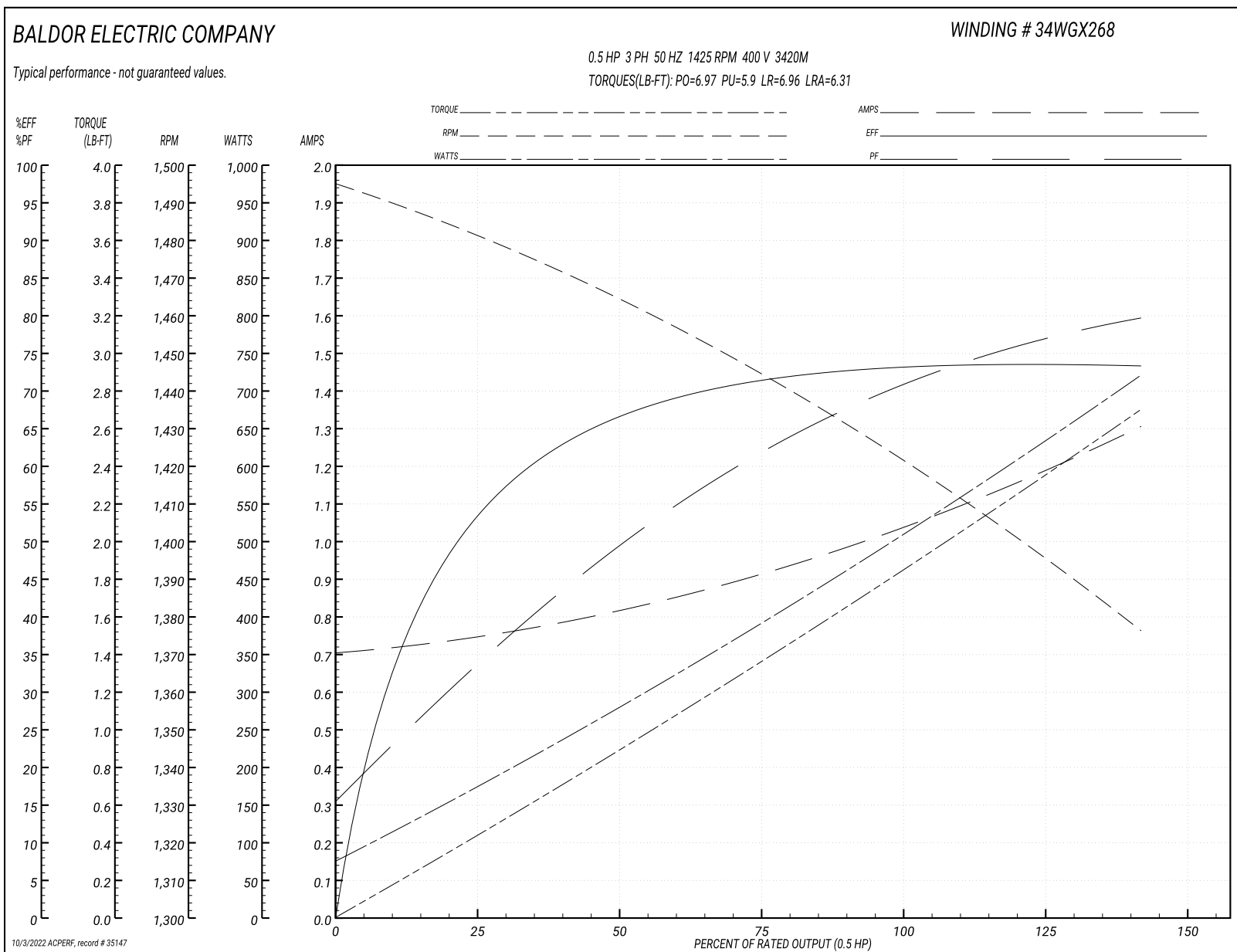
Typical performance - not guaranteed values

Winding: 34WGX268-R008			Type: 3420M		Enclosure: TEFC		
Nameplate Data			400 V, 50 Hz: High Voltage Connection				
Rated Output (HP)		.5	Full Load Torque		1.8 LB-FT		
Volts		230/400	Start Configuration		direct on line		
Full Load Amps		1.7/1	Breakdown Torque		6.97 LB-FT		
R.P.M.		1425	Pull-up Torque		5.9 LB-FT		
Hz	50	Phase	3	Locked-rotor Torque		6.96 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		6.31 A
Service Factor (S.F.)		1.25		No-load Current		0.704 A	
NEMA Nom. Eff.		73	Power Factor	67	Line-line Res. @ 25°C		27.1 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		44°C	
S.F. Amps		2/1.2		Temp. Rise @ S.F. Load		55°C	
				Locked-rotor Power Factor		64	
				Rotor inertia		0.0476 LB-FT2	

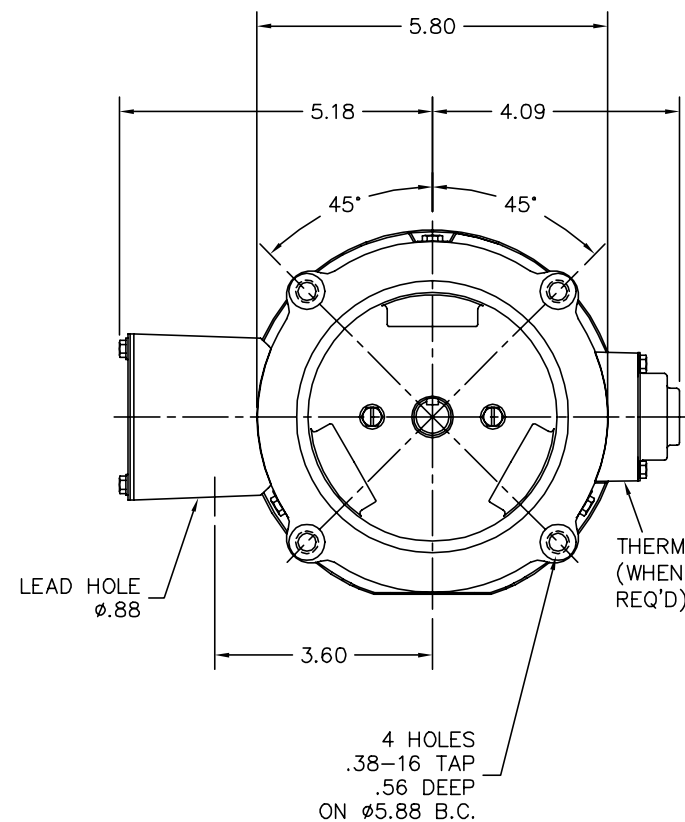
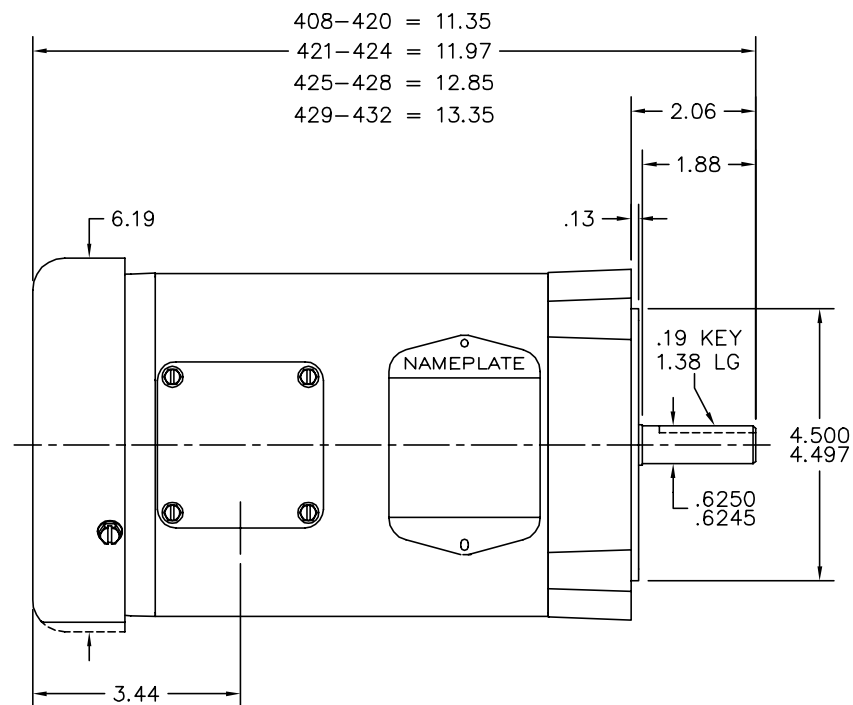
Load Characteristics 400 V, 50 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	62	69	77	80	77
Efficiency	52.4	66.3	71.8	73.3	73.9	73.1	73.9
Speed	1479	1465	1448	1418	1406	1374	1406
Line amperes	0.749	0.819	0.901	1.04	1.15	1.31	1.15

Performance Graph at 400V, 50Hz, 0.5HP Typical performance - Not guaranteed values



34LYA063



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

REV. DESC: UPDAYE LAYOUT GRAPHICS		
REV. LTR: M	VERSION: 03	TDR: 000001189834
FILE: \AAA\00000\724	REVISED: 02:47:09 04/25/2022	BY: ENJEFD0
MTL: -		

BALDOR - RELIANCE®

STD VERT 34M NEMA 56C TEFC

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