

Product Information Packet

VM3542

.75HP,1725RPM,3PH,60HZ,56C,3420M,TEFC,F1

Part Detail							
Revision:	В	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGR707	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34A063	Layout:	34LYA063	Poles:	04	Created Date:	11-19-2020
Base:	N	Eff. Date:	02-17-2021	Leads:	9#18		

Specs				
Catalog Number:	VM3542	Heater Indicator:	No Heater	
Enclosure:	TEFC	Insulation Class:	В	
Frame:	56C	Inverter Code:	Not Inverter	
Frame Material:	Steel	KVA Code:	М	
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs	
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing	
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG	
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ко Вох	
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads	
	460.0 V @ 60 HZ	Motor Type:	3420M	
XP Class and Group:	None	Mounting Arrangement:	F1	
XP Division:	Not Applicable	Power Factor:	64	
Agency Approvals:	UR	Product Family:	General Purpose	
	CSA	Pulley End Bearing Type:	Ball	
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face	
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard	
Base Indicator:	No Mounting	Rodent Screen:	None	
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT	

Blower:	None	Shaft Extension Location:	Pulley End	
Current @ Voltage:	1.500 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding	
	3.000 A @ 230.0 V	Shaft Rotation:	Reversible	
	3.200 A @ 208.0 V	Shaft Slinger Indicator:	No Slinger	
Design Code:	В	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	

BALDOR • RELIANCE Product Information Packet: VM3542 - .75HP,1725RPM,3PH,60HZ,56C,3420M,TEFC,F1

Nameplate NP1256L							
CAT.NO.	VM3542						
SPEC.	34A063R707						1
HP	.75						l
VOLTS	208-230/460						l
AMP	3.2-3/1.5						l
RPM	1725			-			
FRAME	56C		HZ	60		PH 3	
SER.F.	1.25		CODE M	DES B	CLASS	В	J
NEMA-NOM-EFF	75.5		PF 64				
RATING	40C AMB-CONT						
CC	USABLE AT 208V						
DE	6203			ODE 6203			
ENCL	TEFC	SN					l
	SFA 3.6-3.4/1.7						

AC Induction Motor Performance Data

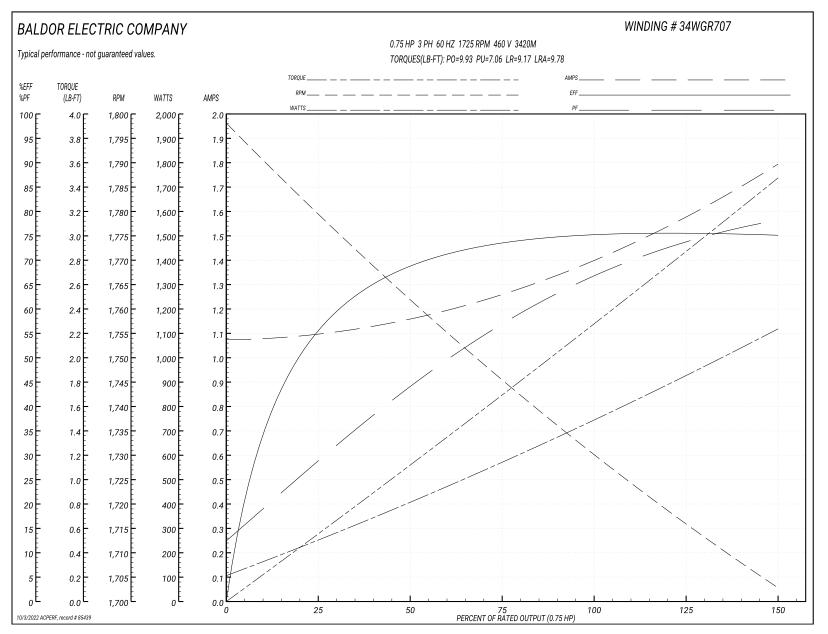
Record # 85439 Preliminary Data Sheet

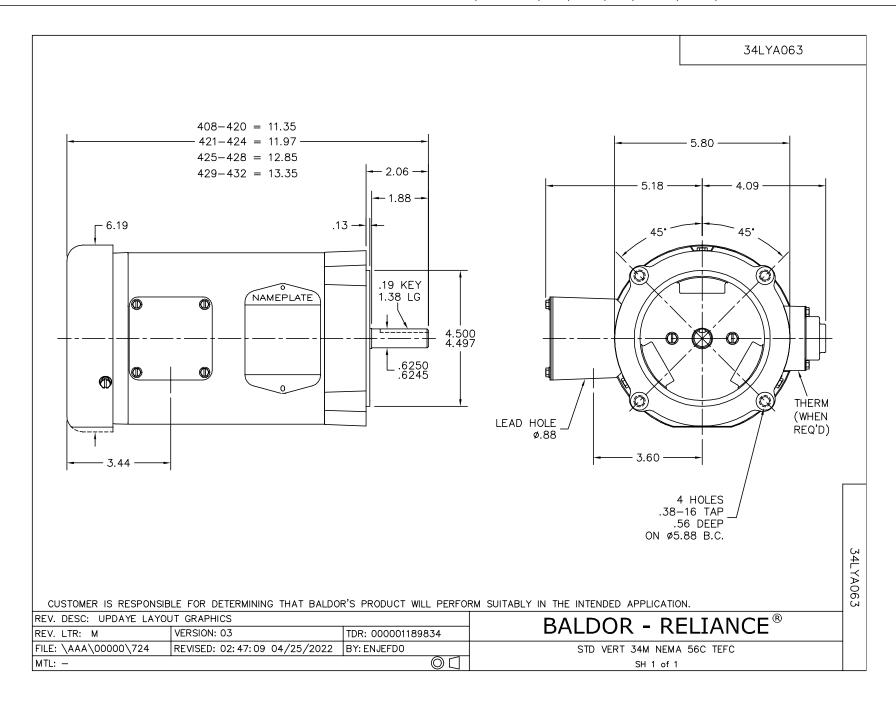
Winding: 34WGR707-R001		Type: 3420M		Enclosure: TEFC
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		0.75	Full Load Torque	2.27 LB-FT
Volts		208-230/460	Start Configuration	direct on line
Full Load Amps		3.2-3.0/1.5	Breakdown Torque	9.93 LB-FT
R.P.M.		1725	Pull-up Torque	7.06 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	9.17 LB-FT
NEMA Design Code	B KVA Code	М	Starting Current	9.78 A
Service Factor (S.F.)		1.25	No-load Current	1.08 A
NEMA Nom. Eff.	77 Power Factor	61	Line-line Res. @ 25°C	21.8 Ω
Rating - Duty		40C-AMB CONT	Temp. Rise @ Rated Load	69°C
S.F. Amps 3.6-3.4/1.7		3.6-3.4/1.7	Temp. Rise @ S.F. Load	105°C
			Locked-rotor Power Factor	76.9
			Rotor inertia	0.0476 lb-ft²

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	44	57	66	73	79	73
Efficiency	57.5	70.7	75.3	76.7	76.5	75.2	76.5
Speed	1780	1763	1745	1726	1723	1700	1723
Line amperes	1.09	1.15	1.26	1.4	1.58	1.79	1.58

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





REV. DESC: REVISE TO SHOW OPTIONAL COLORS		BALDOR ELECTRIC Co.		
REV. LTR: E BY: JLP REVISED: 01/19/99 10:15	TDR: 0171435	DALDOR ELECTRIC CO.		
90000 FILE: AAA00005140	MDL: -	3PH. DV. 9 LEADS		
MTL: -		JERN, DV, 9 LEADS		