



Product Information Packet

VBM3112

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

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0883	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34-3093	Layout:	34LY3093	Poles:	04	Created Date:	
Base:	N	Eff. Date:	07-24-2018	Leads:	9#18		

Specs			
Catalog Number:	VBM3112	Insulation Class:	B
Enclosure:	OPEN	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	K
Frame Material:	Steel	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:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3420M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	60
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Product Type:	BRAKE MOTOR
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:	3.600 A @ 208.0 V	Shaft Extension Location:	Pulley End
	3.200 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	3.000 A @ 230.0 V	Shaft Rotation:	Reversible
	1.500 A @ 460.0 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 (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Brake Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	VBM3112											
SPEC.	34-3093-0883-C											
HP	.75											
VOLTS	208-230/460											
AMP	3.2-3/1.5											
RPM	1725											
FRAME	56C				HZ		60		PH	3		
SER.F.	1.25		CODE		K		DES		B			
NEMA-NOM-EFF	75.5			PF		60		CLASS		B		
RATING	40C AMB-CONT											
CC					USABLE AT 208V						3.6	
DE	6203				ODE		6203					
ENCL	OPEN		SN									
	SFA 3.6-3.4/1.7											

Parts List		
Part Number	Description	Quantity
SA040539	SA 34-3093-0883-C	1.000 EA
RA036423	RA 34-3093-0883-C	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3900A07	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3400A05	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW2500A13	KEY, USA #605, WOODRUFF	1.000 EA
18XN2520A08	1/4-20X1/2 FLAT HD SLTD X	2.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
48BK7101BP-	1-048-171-01-BP- BRAKE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE	1.000 EA
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL	1.000 EA

AC Induction Motor Performance Data

Record # 50817 - Typical performance - not guaranteed values

Winding: 34WG0883-R001	Type: 3420M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.2-3/1.5			Breakdown Torque	10 LB-FT
R.P.M.	1725			Pull-up Torque	8.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.8 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	10 A
Service Factor (S.F.)	1.25			No-load Current	1.2 A
NEMA Nom. Eff.	75.5	Power Factor	60	Line-line Res. @ 25°C	17.68 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	3.6-3.4/1.7			Temp. Rise @ S.F. Load	

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	42	55	64	71	76	71
Efficiency	56.1	69.7	74.7	76.2	76.1	75.2	76.1
Speed	1783	1766	1749	1731	1711	1693	1711
Line amperes	1.2	1.2	1.3	1.5	1.6	1.8	1.6

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





