



Product Information Packet

EBNM3554-D

1.5HP,1755RPM,3PH,60HZ,56,3534M,TENV,F3

Part Detail							
Revision:	H	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM613	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35X056	Layout:	35LYX056	Poles:	04	Created Date:	10-07-2015
Base:	RG	Eff. Date:	04-03-2018	Leads:	9#18		

Specs			
Catalog Number:	EBNM3554-D	Heater Indicator:	No Heater
Enclosure:	TENV	Insulation Class:	F
Frame:	56	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	1.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3534M
Agency Approvals:	CSA EEV	Mounting Arrangement:	F3
	UR	Power Factor:	76
	CSA	Product Family:	General Purpose
	CE	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	2.100 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.200 A @ 230.0 V	Shaft Rotation:	Reversible
	4.400 A @ 208.0 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
		Winding Thermal 2:	None

Nameplate NP2934L

CAT.NO.	EBNM3554-D									
SPEC.	35X056M613G1									
HP	1.5									
VOLTS	230/460									
AMP	4.2/2.1									
RPM	1755									
FRAME	56				HZ	60		PH	3	
SER.F.	1.15				CODE	K		DES	B	
NEMA-NOM-EFF	86.5				PF	76		CL	F	
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					4.4
DE	6205				ODE	6203				
ENCL	TENV				SN					
	IP44									

Parts List		
Part Number	Description	Quantity
SA308474	SA 35X056M613G1	1.000 EA
RA295804	RA 35X056M613G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX,W/PRIMER (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP3900T25	FR EP FACE MNT ENCL FOR BRAKE	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3123A00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3020	NEOPRENE GASKET, KOBX LID (602018-31)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1419	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
46BK0304B01	DBSC-VP-10-MA-230/460 VAC	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2934L	ALUM SUPER-E UL CSA-EEV CE CC PREM	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 52498 - Typical performance - not guaranteed values

Winding: 35WGM613-R012	Type: 3534M	Enclosure: TENV
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.2/2.1			Breakdown Torque	19.9 LB-FT
R.P.M.	1755			Pull-up Torque	10.98 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	14.87 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	19.8 A
Service Factor (S.F.)	1.15			No-load Current	1.18 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	8.98 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	88°C
S.F. Amps				Temp. Rise @ S.F. Load	104°C
				Locked-rotor Power Factor	48.1
				Rotor inertia	0.201 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	56	69	77	82	85	79
Efficiency	78.6	85.5	87.4	87.1	86.3	84.8	88.5
Speed	1794	1784	1772	1760	1747	1733	1757
Line amperes	1.28	1.48	1.76	2.1	2.5	2.94	2.3

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





