



Customer information packet

34G167W317G1

.75KW, 3450RPM, 3PH, 60HZ, D80, 3416M, TEFC, F2

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D80
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.100 A @ 208.0 V 3.000 A @ 230.0 V 1.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Front Face Code	Standard

Part detail

Revision	Y
Type	AC
Mech. spec.	34G167
Base	
Status	INA/A
Elec. spec.	34WGW317
Layout	34LYG167
Eff. date	03-09-2021
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3416M
Mounting Arrangement	B3
Number of Poles	2
Overall Length	10.73 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.748 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1379L									
CAT.NO.									
SPEC.	34G167W317G1								
IEC FRAME	D80	K.W.		.75 TE					
VOLTS	208-230/460								
AMP	3.1-3/1.5								
RPM	3450			I.P.		54			
HZ	60		PH		3	CL		B	
SER.F.	1.00		DES		B	CODE		K	
NEMA-NOM-EFF	77		PF		80				
RATING	40C AMB-CONT								
CC	010A								
DE	6205	ODE		6203					
SER. #									

Parts list

Part number	Description	Quantity
SA006266	SA 34G167W317G1	1.000 ea
RA003012	RA 34G167W317G1	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 ea
34GS1029A01	GASKET, CONDUIT BOX	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
34EP3102A01SP	FR ENDPLATE, MACH	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3904T01	PU ENDPLATE, MACH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 ea
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2504E10	KEY, 6 MM X 1.000	1.000 ea
HA7000A11	KEY RETAINER 0.750 DIA SHAFTS	1.000 ea
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 ea
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 ea
NP1379L	ALUM IEC UL CC	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea
34PA1002	PKG GRP, PRINT PK1001A01	1.000 ea
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 ea

AC Induction Motor Performance Data

Record # 6953

Typical performance - not guaranteed values

Winding: 34WGW317-R001				Type: 3416M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1		Full Load Torque		1.5 LB-FT	
Volts		208-230/460		Start Configuration		direct on line	
Full Load Amps		3.1-3/1.5		Breakdown Torque		6 LB-FT	
R.P.M.		3450		Pull-up Torque		4.5 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		4.6 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		11.4 A
Service Factor (S.F.)		1		No-load Current		0.87 A	
NEMA Nom. Eff.		77	Power Factor	80	Line-line Res. @ 25°C		18 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		54°C	
				Locked-rotor Power Factor		67	
				Rotor inertia		0.0148 LB-FT2	

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	61	73	80	85	87
Efficiency	66	77	80	80	79	77
Speed	3566	3536	3504	3468	3428	3382
Line amperes	0.92	1.04	1.2	1.47	1.73	2

ABB Motors and Mechanical Inc.

WINDING # 34WGW317

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 3450 RPM 460 V 3416M

TORQUES (LB-FT) : PO=6 PU=4.5 LR=4.6 LRA=11.4





