



Product Information Packet

KM3457

.33HP,3450RPM,3PH,60HZ,56C,3410M,TENV,F1

Part Detail

Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGY170	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34K013	Layout:	34LYK013	Poles:	02	Created Date:	
Base:	N	Eff. Date:	10-12-2019	Leads:	9#18		

Specs

Catalog Number:	KM3457	Insulation Class:	B
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	P
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3410M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	64
	UR	Product Family:	General Purpose
Auxiliary Box:	No Auxiliary Box	Pulley End Bearing Type:	Ball
Auxiliary 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:	.700 A @ 460.0 V	Shaft Extension Location:	Pulley End

	1.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.600 A @ 208.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	KM3457										
SPEC.	34K013Y170										
HP	.33										
VOLTS	230/460										
AMP	1.4/.7										
RPM	3450										
FRAME	56C				HZ		60			PH	3
SER.F.	1.35			CODE		P	DES		B	CLASS	B
NEMA-NOM-EFF	72			PF		64					
RATING	40C AMB-CONT										
CC				USABLE AT 208V							1.6
DE	6203			ODE		6203					
ENCL	TENV			SN							
	SFA 1.5/.75										

Parts List		
Part Number	Description	Quantity
SA085074	SA 34K013Y170	1.000 EA
RA078218	RA 34K013Y170	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
51XW0832A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3100A03SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
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
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1001A01	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 1/21	1.000 EA
PK3083	STYROFOAM PACKING CRADLE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL	1.000 EA

AC Induction Motor Performance Data

Record # 28270

Preliminary Data Sheet

Winding: 34WGY170-R001			Type: 3410M		Enclosure: TENV		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		0.5 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		1.4/.7	Breakdown Torque		3.4 LB-FT		
R.P.M.		3450	Pull-up Torque		2.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		2.6 LB-FT	
NEMA Design Code		B	KVA Code	P	Starting Current		5.8 A
Service Factor (S.F.)		1.35	No-load Current		0.56 A		
NEMA Nom. Eff.		72	Power Factor	64	Line-line Res. @ 25°C		31.7 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		57°C
S.F. Amps		1.5/.75	Temp. Rise @ S.F. Load		66°C		

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	42	55	63	73	77	75
Efficiency	43.7	62	68.3	72.8	74.4	75.8	75
Speed	3569	3544	3526	3497	3477	3444	3464
Line amperes	0.57	0.6	0.63	0.68	0.71	0.79	0.742

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





