



Customer information packet

VJPFPM2531T-5

25HP, 1760RPM, 3PH, 60HZ, 284JP, 3956M, OPSB, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	284JP
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UL CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 575.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	23.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	P
Type	AC
Mech. spec.	39T043
Base	
Status	PRD/A
Elec. spec.	39WGX989
Layout	39LYT043
Eff. date	06-26-2024
CD Diagram	CD0382
Poles	04
Leads	6#10
Proprietary	False
Created date	07-21-2016

KVA Code	F
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3956M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	31.44 IN
Power Factor	87
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L

CAT.NO.	VJPFPM2531T-5				CUST P/N				I.P.				23			
SPEC.	39T043X989H2				SER.NO.				FRAME				284JP			
HZ	60	HP	25		RPM	1760		HZ		HP			RPM			
VOLTS	575				CODE	F		VOLTS					CODE			
AMPS	23				DES	B		AMPS					DES			
EFF	92.4	SER.F.	1.15		PF	87		EFF					SER.F.		PF	
RATING	40C AMB-CONT				DE BRG				6312				GREASE		POLYREX EM	
BLANK					ODE BRG				6208				MTR. WT.		322	
					CLASS				F		PH		3			
					ENCL				OPSB		CC		010A			
HTR-VOLTS					HTR-AMPS								HTR-WATTS			

AC Induction Motor Performance Data

Record # 58303

Typical performance - not guaranteed values

Winding: 39WGX989-R001			Type: 3956M		Enclosure: OPSB	
Nameplate Data				575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		25		Full Load Torque		75.1 LB-FT
Volts		575		Start Configuration		direct on line
Full Load Amps		23		Breakdown Torque		200 LB-FT
R.P.M.		1760		Pull-up Torque		98.1 LB-FT
Hz		60 Phase		Locked-rotor Torque		119 LB-FT
NEMA Design Code		B KVA Code		Starting Current		137 A
Service Factor (S.F.)		1.15		No-load Current		7.08 A
NEMA Nom. Eff.		92.4 Power Factor		Line-line Res. @ 25°C		0.615 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		52°C
S.F. Amps				Temp. Rise @ S.F. Load		66°C
				Locked-rotor Power Factor		32.1
				Rotor inertia		2.45 LB-FT2

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	77	85	87	88	87	88
Efficiency	91.7	93.5	93.4	92.4	91	89.5	91.6
Speed	1790	1781	1771	1759	1746	1731	1751
Line amperes	9	12.8	18	23.4	29.1	36.1	26.8

ABB Motors and Mechanical Inc.

WINDING # 39WGX989

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1760 RPM 575 V 3956M

TORQUES (LB-FT): PO=200 PU=98.1 LR=119 LRA=137





