



Customer information packet

FPM2546T-5

60HP, 3520RPM, 3PH, 60HZ, 326TS, 4062M, ODP, F1

Specifications

Enclosure	ODP
Frame	326TS
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
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	54.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	54.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	E
Type	AC
Mech. spec.	40H07
Base	
Status	PRD/A
Elec. spec.	40WGX358
Layout	40LYH007
Eff. date	07-24-2023
CD Diagram	CD0382
Poles	02
Leads	6#8
Proprietary	False
Created date	07-20-2016

Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4062M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	25.69 IN
Power Factor	89
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3520 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.	FPM2546T-5				CUST P/N				I.P.				23			
SPEC.	40H007X358H2				SER.NO.				FRAME				326TS			
HZ	60	HP	60	RPM		3520		HZ	HP		RPM					
VOLTS	575			CODE		G		VOLTS		CODE						
AMPS	54			DES		B		AMPS			DES					
EFF	93	SER.F.		1.15		PF		89	EFF		SER.F.		PF			
RATING	40C AMB-CONT				DE BRG		6312				GREASE		POLYREX EM			
BLANK					ODE BRG		6309				MTR. WT.		449			
					CLASS		F		PH		3					
					ENCL		ODP		CC		010A					
HTR-VOLTS	HTR-AMPS		HTR-WATTS													

AC Induction Motor Performance Data

Record # 58309

Typical performance - not guaranteed values

Winding: 40WGX358-R001				Type: 4062M		Enclosure: OPSB	
Nameplate Data				575 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		60		Full Load Torque		89.6 LB-FT	
Volts		575		Start Configuration		direct on line	
Full Load Amps		54		Breakdown Torque		202 LB-FT	
R.P.M.		3520		Pull-up Torque		113 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		B		KVA Code		G	
Service Factor (S.F.)		1.15		Starting Current		338 A	
NEMA Nom. Eff.		93		Power Factor		89	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	
						Rotor inertia	

Load Characteristics 575 V, 60 Hz, 60 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	84	88	90	90	89	90
Efficiency	92.2	94	94	93.1	92.3	90.4	92.6
Speed	3582	3565	3545	3523	3500	3471	3509
Line amperes	18.7	28.6	40.5	53.9	68	83.3	62.4

ABB Motors and Mechanical Inc.

WINDING # 40WGX358

Typical performance - not guaranteed values.

60 HP 3 PH 60 HZ 3520 RPM 575 V 4062M

TORQUES (LB-FT): PO=202 PU=113 LR=147 LRA=338





