



Product Information Packet

EM2546T

60HP,3540RPM,3PH,60HZ,326TS,4250M,OPSB,F

Part Detail							
Revision:	Z	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	42WGW410	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	42F58	Layout:	42LYF058	Poles:	02	Created Date:	10-15-2010
Base:	RG	Eff. Date:	04-29-2019	Leads:	9#6		

Specs			
Catalog Number:	EM2546T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	326TS	KVA Code:	G
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	60.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 6 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	4250M
Agency Approvals:	UR	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	89
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	136.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	68.000 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	A	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 NP3554LUA

CAT.NO.	EM2546T			P/N				ENCL	OPSB		
SPEC.	42F058W410G1		CC	010A		FRAME	326TS		SER.NO.		
HP	60		CLASS	F		HZ	60				
RPM	3540		PH	3		DES	A				
VOLTS	230/460			CODE	G		ODE BRG	6311		DE BRG	6312
AMPS	136/68			USABLE AT 208V							
RATING	40C AMB-CONT			NEMA-NOM-EFF	93.6			GREASE	POLYREX EM		
PF	89		SER.F.	1.15							
USABLE AT	50HZ 60HP 190/380V 160/80A					SF 1.0					
HTR-VOLTS			HTR-AMPS			MAX. SPACE HEATER TEMP.					

AC Induction Motor Performance Data

Record # 33331

Typical performance - not guaranteed values

Winding: 42WGW410-R001				Type: 4250M		Enclosure: OPSB	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		60		Full Load Torque		88.9 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		136/68		Breakdown Torque		304 LB-FT	
R.P.M.		3540		Pull-up Torque		91.4 LB-FT	
Hz		60		Phase		3	
NEMA Design Code		A		KVA Code		G	
Service Factor (S.F.)		1.15		Starting Current		443 A	
NEMA Nom. Eff.		93.6		Power Factor		89	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps				Temp. Rise @ S.F. Load		43°C	

Load Characteristics 460 V, 60 Hz, 60 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	82	88	90	90	89	90
Efficiency	90.7	93.7	94.2	93.9	93.3	92.5	93.5
Speed	3585.3	3574.5	3562.4	3549.9	3535.7	3520.5	3541
Line amperes	24.4	36.9	51.5	66.9	83.7	102	77

Performance Graph at 460V, 60Hz, 60.0HP Typical performance - Not guaranteed values





