



Product Information Packet

EM3587T

2HP,1760RPM,3PH,60HZ,145T,0526M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX509	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05C001	Layout:	05LYC001	Poles:	04	Created Date:	09-29-2021
Base:	RG	Eff. Date:	07-14-2022	Leads:	9#18		

Specs			
Catalog Number:	EM3587T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	145T	IP Rating:	NONE
Frame Material:	Iron	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	0528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	75
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	5.800 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.800 A @ 208.0 V	Shaft Rotation:	Reversible
	2.900 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	EM3587T											
SPEC	05C001X509G1											
HP	2											
VOLTS	230/460											
AMPS	5.6/2.8											
RPM	1760											
FRAME	145T				HZ		60			PH	3	
SF	1.15			CODE	L	DES		B	CLASS	F		
NEMA NOM. EFF	86.5				PF	76						
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V					5.8		
ENCL	TEFC			SER								
DE	6205				ODE		6203					
VPWM INVERTER READY	SFA 6.4/3.2											
CT6-60H(10:1)VT3-60H(20:1												
	2HP 50HZ 190/380V 6.6/3.3A											
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AC Induction Motor Performance Data

Record # 78972

Typical performance - not guaranteed values

Winding: 05WGX509-R001			Type: 0526M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.976 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		23.5 LB-FT		
R.P.M.		1760	Pull-up Torque		11.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.6 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		22.7 A
Service Factor (S.F.)		1.15	No-load Current		1.69 A		
NEMA Nom. Eff.		86.5	Power Factor	75	Line-line Res. @ 25°C		9.5456 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		40°C	
S.F. Amps				Temp. Rise @ S.F. Load		48°C	
				Locked-rotor Power Factor		58.1	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	68	77	81	84	79
Efficiency	77.5	85.2	86.9	86.8	85.8	84.3	86.2
Speed	1789.9	1781.4	1772.2	1762.2	1751.3	1739.3	1756
Line amperes	1.75	1.99	2.37	2.83	3.36	3.96	3.15

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





