



Product Information Packet

EM3584T

1.5HP,1765RPM,3PH,60HZ,145T,0526M,TEFC,F

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	05WGX504	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	05C001	Layout:	05LYC001	Poles:	04	Created Date:	11-08-2018
Base:	RG	Eff. Date:	02-21-2022	Leads:	9#18		

Specs			
Catalog Number:	EM3584T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	145T	IP Rating:	NONE
Frame Material:	Iron	KVA Code:	M
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	1.500 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:	0526M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	72
	CSA EEV	Product Family:	General Purpose
	CSA	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:	2.200 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.400 A @ 230.0 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 NP3441LUA

CAT.NO.	EM3584T											
SPEC	05C001X504G1											
HP	1.5											
VOLTS	230/460											
AMPS	4.4/2.2											
RPM	1760											
FRAME	145T					HZ	60				PH	3
SF	1.15				CODE	M		DES	B		CLASS	F
NEMA NOM. EFF	86.5					PF	72					
RATING	40C AMB-CONT											
CC	010A						USABLE AT 208V				4.5	
ENCL	TEFC				SER							
DE	6205					ODE	6203					
VPWM INVERTER READY	SFA 5/2.5											
CT6-60H(10:1)VT3-60H(20:1												
	50HZ 1.5HP 190/380V 5.1/2.55A											
	SF1.0											

AC Induction Motor Performance Data

Record # 84211

Typical performance - not guaranteed values

Winding: 05WGX504-R001			Type: 0526M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		4.487 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		4.5/2.2	Breakdown Torque		19.4 LB-FT		
R.P.M.		1765	Pull-up Torque		10.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		13.5 LB-FT	
NEMA Design Code		B	KVA Code	M	Starting Current		19.4 A
Service Factor (S.F.)		1.15	No-load Current		1.43 A		
NEMA Nom. Eff.		86.5	Power Factor	72	Line-line Res. @ 25°C		10.088 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		35°C
S.F. Amps					Temp. Rise @ S.F. Load		41°C
					Locked-rotor Power Factor		52.7

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	50	63	72	78	81	76
Efficiency	75.2	83.9	86.4	87	86.6	85.7	86.8
Speed	1790	1781.4	1772.2	1762.5	1752.1	1741	1756
Line amperes	1.51	1.69	1.94	2.25	2.62	3.02	2.47

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





