



Product Information Packet

EM3157T

2HP,1760RPM,3PH,60HZ,145T,3528M,OPSB,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG073	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35BB101	Layout:	35LYBB101	Poles:	04	Created Date:	07-16-2021
Base:	RG	Eff. Date:	04-22-2022	Leads:	9#18		

Specs			
Catalog Number:	EM3157T	Heater Indicator:	No Heater
Enclosure:	OPSB	Insulation Class:	F
Frame:	145T	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	No 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 Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3526M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	76
Agency Approvals:	UR	Product Family:	General Purpose
	CSA EEV	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Ground Indicator:	No Shaft Grounding

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

Nameplate NP3553LUA

CAT.NO.	EM3157T											
SPEC.	35BB101G073G1											
HP	2											
VOLTS	230/460											
AMPS	5.6/2.8											
RPM	1760											
FRAME	145T				HZ				60		PH	3
SF	1.15			CODE	K	DES		B	CLASS		F	
NEMA NOM. EFF	86.5			PF	74							
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V							6	
DE	6205				ODE		6203					
ENCL	OPSB		SN									
VPWM INVERTER READY												
CT30-60(2:1) VT3-60(20:1)												
USABLE AT	2HP 50HZ 190/380V 6.3/3.15A										SF1.0	

AC Induction Motor Performance Data

Record # 81963

Typical performance - not guaranteed values

Winding: 35WGG073-R009		Type: 3528M	Enclosure: OPEN
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2	Full Load Torque	5.961 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	5.6/2.8	Breakdown Torque	21.8 LB-FT
R.P.M.	1760	Pull-up Torque	12.9 LB-FT
Hz	60 Phase	Locked-rotor Torque	15.6 LB-FT
NEMA Design Code	B KVA Code	Starting Current	22.5 A
Service Factor (S.F.)	1.15	No-load Current	1.4 A
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	9.6412 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	54°C
S.F. Amps		Temp. Rise @ S.F. Load	67°C
		Locked-rotor Power Factor	56.5
		Rotor inertia	0.202 lb-ft ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	61	74	81	84	86	83
Efficiency	80.2	86.5	87.6	87.1	85.7	83.9	86.3
Speed	1790.8	1782.5	1773.4	1763.7	1753.6	1741.2	1758
Line amperes	1.5	1.78	2.18	2.67	3.26	3.86	3.02

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





