



Product Information Packet

EM2547T

60HP,1775RPM,3PH,60HZ,364T,4278M,OPSB,F1

Part Detail							
Revision:	V	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	42WGW587	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	42E211	Layout:	42LYE211	Poles:	04	Created Date:	07-27-2009
Base:	RG	Eff. Date:	01-11-2022	Leads:	9#6		

Specs			
Catalog Number:	EM2547T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	364T	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	G
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	60.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 6 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
Agency Approvals:	CSA	Motor Type:	4278M
	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	87
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	68.000 A @ 460.0 V	Shaft Extension Location:	Pulley End

	144.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	136.000 A @ 230.0 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 NP2138LUA

CAT.NO.	EM2547T		P/N			ENCLOSURE	OPSB	
SPEC.	42E211W587		CC	010A		FRAME	364T	
HP	60		CLASS	F		HZ	60	
RPM	1775		PH	3		DES	A	
VOLT	230/460		KVA-CODE	G		ODE BRG	6311	
AMP	136/68		USABLE AT 208V	144		DE BRG	6313	
RATING	40C AMB-CONT		GREASE	POLYREX EM				
NEMA-NOM-EFF	95	PF	87	SER.F.	1.15			
HTR-VOLTS	50Hz 60Hp 190/380V 162/81A		SF 1.0					
HTR-AMPS								

AC Induction Motor Performance Data

Record # 13772

Typical performance - not guaranteed values

Winding: 42GW587-R001			Type: 4278M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		60	Full Load Torque		177 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		136/68	Breakdown Torque		624 LB-FT		
R.P.M.		1775	Pull-up Torque		245 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		314 LB-FT	
NEMA Design Code		A	KVA Code	G	Starting Current		470 A
Service Factor (S.F.)		1.15		No-load Current		22.2 A	
NEMA Nom. Eff.		95	Power Factor	87	Line-line Res. @ 25°C		0.0815 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		30°C	
S.F. Amps				Temp. Rise @ S.F. Load		40°C	
				Locked-rotor Power Factor		26.2	
				Rotor inertia		10.4 LB-FT2	

Load Characteristics 460 V, 60 Hz, 60 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	85	87	89	89	88
Efficiency	92.6	94.9	95.3	95	94.6	93.7	94.8
Speed	1793	1787	1781	1775	1769	1762	1771
Line amperes	27.3	38.7	52.1	67.6	83.6	101.3	77.1

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





