



Product Information Packet

EJPM2531T

25HP,1775RPM,3PH,60HZ,284JP,4050M,OPSB,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	40WGX806	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	40E210	Layout:	40LYE210	Poles:	04	Created Date:	02-10-2021
Base:	RG	Eff. Date:	01-31-2022	Leads:	9#10		

Specs			
Catalog Number:	EJPM2531T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	284JP	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	G
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	25.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 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:	4050M
	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	82
Auxiliary Box:	No Auxiliary Box	Product Family:	General Purpose
Auxiliary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	C-Face
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Tapped & Key
Blower:	None	Rodent Screen:	Included
Current @ Voltage:	64.000 A @ 208.0 V	Shaft Extension Location:	Pulley End

	60.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	30.000 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	Shaft 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.	EJPM2531T		P/N			ENCLOSURE	OPSB	
SPEC.	40E210X806		CC	010A		FRAME	284JP	
HP	25		CLASS	F		HZ	60	
RPM	1775		PH	3		DES	A	
VOLT	230/460		KVA-CODE	G		ODE BRG	6309	
AMP	60/30		USABLE AT 208V	64		DE BRG	6312	
RATING	40C AMB-CONT		GREASE	POLYREX EM				
NEMA-NOM-EFF	93.6	PF	82	SER.F.	1.15			
	50HZ 25HP 190/380V 72/36A					SF1.0		
HTR-VOLTS			HTR-AMPS					

AC Induction Motor Performance Data

Record # 86783

Typical performance - not guaranteed values

Winding: 40WGX806-R001			Type: 4050M	Enclosure: OPSB			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		25	Full Load Torque		73.81 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		60/30	Breakdown Torque		232 LB-FT		
R.P.M.		1775	Pull-up Torque		116 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		133 LB-FT	
NEMA Design Code		A	KVA Code	G	Starting Current		192 A
Service Factor (S.F.)		1.15	No-load Current		12.6 A		
NEMA Nom. Eff.		93.6	Power Factor	82	Line-line Res. @ 25°C		0.35407 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		28°C	
S.F. Amps				Temp. Rise @ S.F. Load		34°C	
				Locked-rotor Power Factor		35	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	78	82	85	85	84
Efficiency	89.4	93.1	93.8	93.6	93	92.1	93.2
Speed	1794.8	1789.5	1783.7	1777.6	1771	1763.2	1774
Line amperes	14.5	18.6	24.1	30.3	37.2	44.6	34.4

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





