



Product Information Packet

EM4111T

25HP,1180RPM,3PH,60HZ,324T,1072M,TEFC,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGX979	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	10G860	Layout:	10LYG860	Poles:	06	Created Date:	06-12-2009
Base:	RG	Eff. Date:	07-18-2022	Leads:	9#10		

Specs			
Catalog Number:	EM4111T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	324T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	H
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:	1200 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 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:	1072M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	79
	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)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	32.000 A @ 460.0 V	Shaft Rotation:	Reversible
	64.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	70.000 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	A	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP3443LUA

CAT.NO.	EM4111T			CUST. P/N				ENCL	TEFC
SPEC.	10G860X979		CC	010A	FRAME	324T		SER.NO.	
HP	25		CLASS	F	HZ	60			
R.P.M.	1180		PH.	3	DES.	A			
VOLTS	230/460			CODE	H	ODE BRG	6309	DE BRG	6312
AMPS	64/32			USABLE AT 208V	70				
RATING	40C AMB-CONT			NEMA NOM. EFF.	93		GREASE	POLYREX EM	
P.F.	79	SER.F.	1.15		CT6-60H(10:1)VT3-60H(20:1)				
USABLE AT	50Hz 25HP 190/380V 76/38A				SF1.0				
VOLTS		AMPS		MAX. SPACE HEATER TEMP.					

AC Induction Motor Performance Data

Record # 21410

Typical performance - not guaranteed values

Winding: 10WGX979-R001			Type: 1072M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		25	Full Load Torque		112 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		64/32	Breakdown Torque		357 LB-FT		
R.P.M.		1180	Pull-up Torque		165 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		220 LB-FT	
NEMA Design Code		A	KVA Code	H	Starting Current		220 A
Service Factor (S.F.)		1.15	No-load Current		14.9 A		
NEMA Nom. Eff.		93	Power Factor	79	Line-line Res. @ 25°C		0.279 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		50°C
S.F. Amps			Temp. Rise @ S.F. Load		62°C		
			Locked-rotor Power Factor		30		
			Rotor inertia		8.82 LB-FT2		

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	73	79	81	82	80
Efficiency	89	92.6	93.3	93	92.5	91.5	92.7
Speed	1195	1191	1187	1182	1178	1172	1180
Line amperes	16.3	20.1	25.4	32	39.1	46.7	36.3

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





