



Product Information Packet

EM4103T

25HP,1775RPM,3PH,60HZ,284T,1054M,TEFC,F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WVGZ651	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	10C151	Layout:	10LYC151	Poles:	04	Created Date:	06-08-2017
Base:	RG	Eff. Date:	02-21-2022	Leads:	9#10		

Specs			
Catalog Number:	EM4103T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	284T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
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:	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:	1054M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	81
	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:	31.000 A @ 460.0 V	Shaft Rotation:	Reversible
	62.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	64.000 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.	EM4103T			CUST. P/N				ENCL	TEFC
SPEC.	10C151Z651G1		CC	010A	FRAME	284T		SER.NO.	
HP	25		CLASS	F	HZ	60			
R.P.M.	1775		PH.	3	DES.	A			
VOLTS	230/460			CODE	J	ODE BRG	6309	DE BRG	6311
AMPS	62/31			USABLE AT 208V	64				
RATING	40C AMB-CONT			NEMA NOM. EFF.	93.6		GREASE	POLYREX EM	
P.F.	81	SER.F.	1.15		CT6-60H(10:1)VT3-60H(20:1)				
USABLE AT	50Hz 25HP 190/380V 72/36A				SF 1.0				
VOLTS		AMPS		MAX. SPACE HEATER TEMP.					

AC Induction Motor Performance Data

Record # 66703

Typical performance - not guaranteed values

Winding: 10WGZ651-R001				Type: 1054M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		25		Full Load Torque		74.02 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		62/31		Breakdown Torque		262 LB-FT	
R.P.M.		1775		Pull-up Torque		118 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		142 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		223 A
Service Factor (S.F.)		1.15		No-load Current		13.6 A	
NEMA Nom. Eff.		93.6	Power Factor	81	Line-line Res. @ 25°C		0.2345 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		51°C	
S.F. Amps				Temp. Rise @ S.F. Load		61°C	
				Locked-rotor Power Factor		30.6	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	76	81	84	85	83
Efficiency	88.3	92.8	93.9	94	93.7	93.1	93.8
Speed	1794.1	1789.3	1783.5	1777.8	1770.8	1763.8	1774
Line amperes	15.3	19.3	24.6	30.6	37.2	44.5	34.6

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





