

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:	10WGZ651	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:	Ко Вох
	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	

BALDOR • RELIANCE Product Information Packet: EM4103T - 25HP,1775RPM,3PH,60HZ,284T,1054M,TEFC,F1

Nameplate NP344	13LUA								
CAT.NO.	EM4103T			CUS	T. P/N				ENCL TEFC
SPEC.	10C151Z651G1	cc	010A	FRAME	284T		SER.NO.		
HP	25		CLASS	F	HZ 60				
R.P.M.	1775		PH. 3	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. S	PACE HEAT	ER TEMP.				

AC Induction Motor Performance Data

Record # 66703

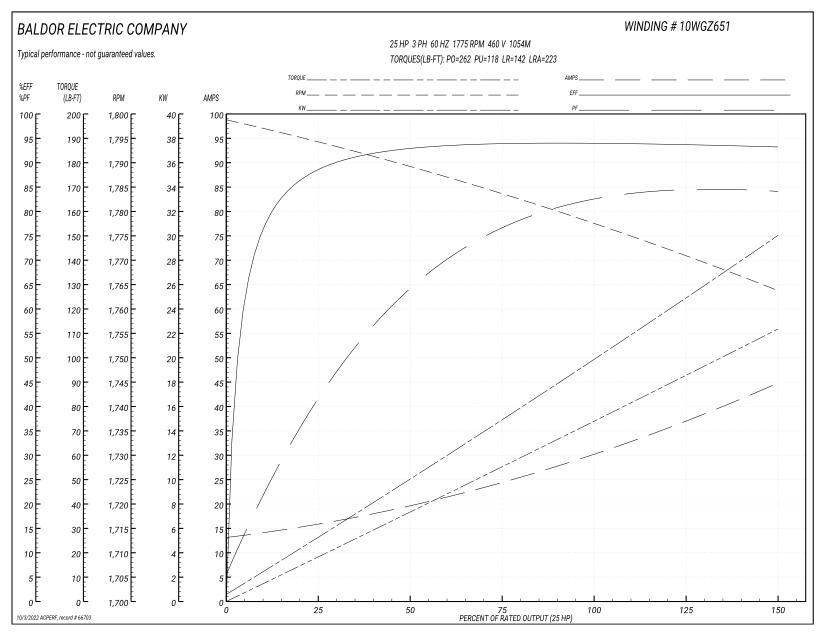
Typical performance - not guaranteed values

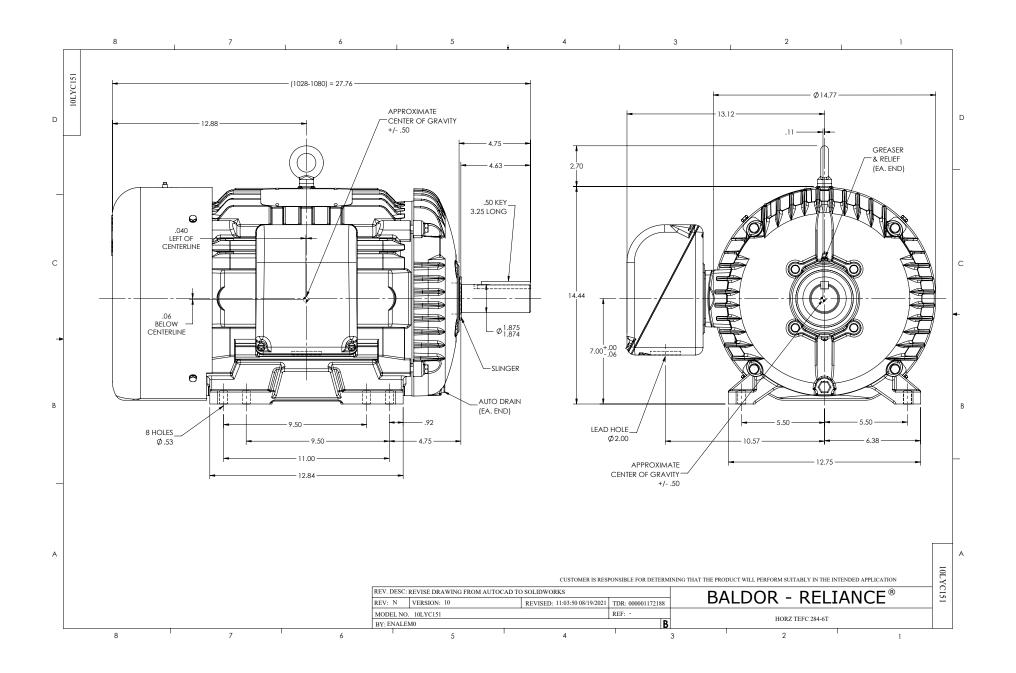
Winding: 10WGZ651-R001 Type: 10			054M Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		25	Full Load Torque	74.02 LB-FT		
Volts		230/460	Start Configuration	direct on line		
Full Load Amps		62/31	Breakdown Torque	262 LB-FT		
R.P.M.		1775	Pull-up Torque	118 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	40	C 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





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