

BALDOR® • RELIANCE

Product Information Packet

EM4103T-8

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

Part Detail

Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGZ695	CD Diagram:	CD0695	Mfg Plant:	
Mech. Spec:	10C151	Layout:	10LYC151	Poles:	04	Created Date:	10-19-2017
Base:	RG	Eff. Date:	10-26-2017	Leads:	6#6		

Specs

Catalog Number:	EM4103T-8	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	284T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
Output @ Frequency:	25.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 6 AWG
XP Class and Group:	None	Motor Lead Exit:	Ko Box
XP Division:	Not Applicable	Motor Lead Termination:	Flying Leads
Agency Approvals:	UR	Motor Type:	1054M
	CSA EEV	Mounting Arrangement:	F1
	CSA	Power Factor:	81
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:	71.000 A @ 200.0 V	Shaft Extension Location:	Pulley End

	72.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	A	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	Shaft Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Part Winding
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
		Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP3443L										
CAT.NO.	EM4103T-8			CUST. P/N				ENCL	TEFC	
SPEC.	10C151Z695G1		CC	010A		FRAME	284T		SER.NO.	
HP	25		CLASS	F		HZ	60			
R.P.M.	1775		PH	3		DES	A			
VOLTS	200		CODE	J		ODE BRG	6309		DE BRG	6311
AMPS	71		USABLE AT 208V	72						
RATING	40C AMB-CONT		NEMA NOM. EFF.	93.6		GREASE	POLYREX EM			
P.F.	81		SER.F.	1.15		VPWM INVERTER READY				
HTR-VOLTS			HTR-AMPS			HTR-WATTS				

AC Induction Motor Performance Data

Record # 67437 - Typical performance - not guaranteed values

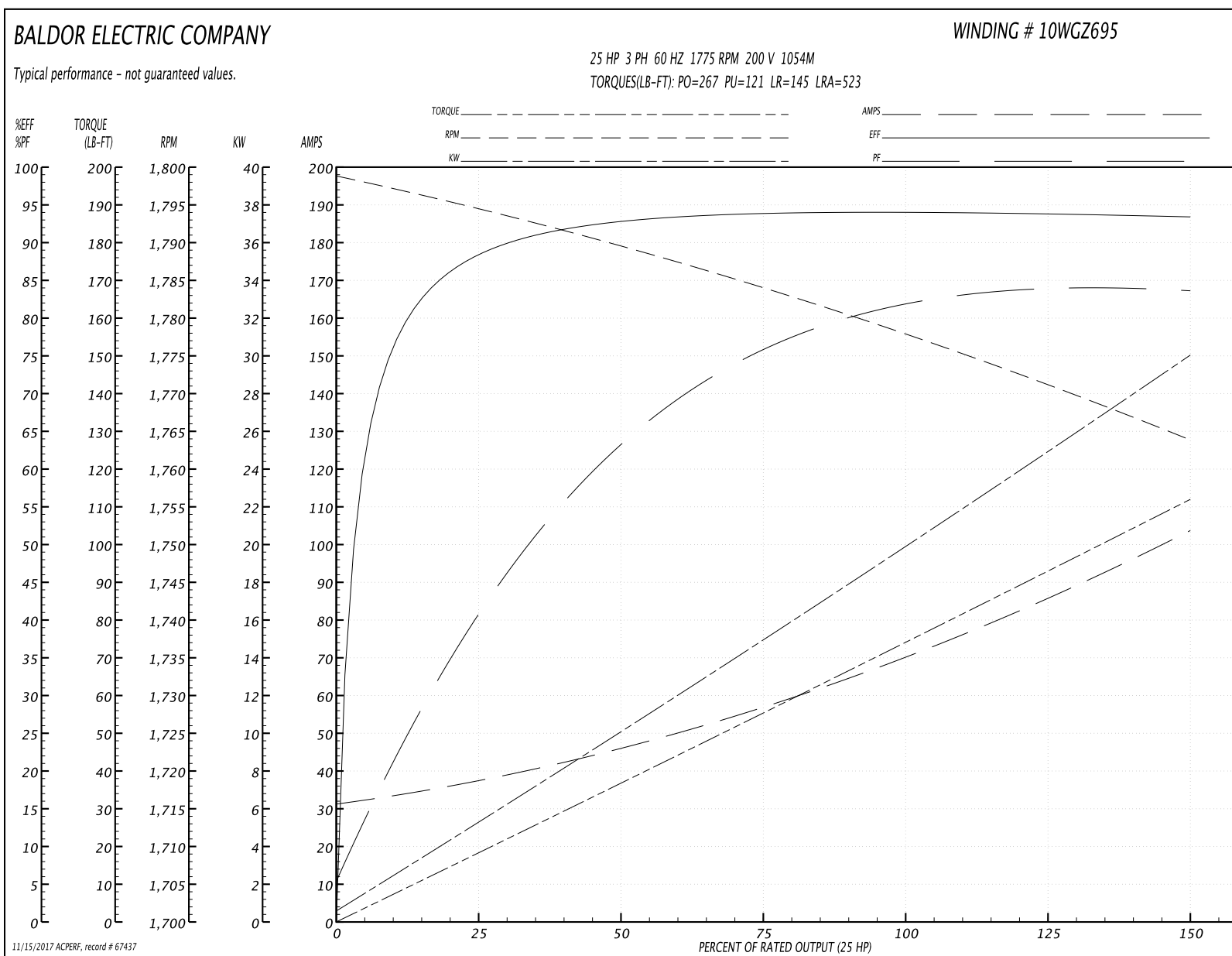
Winding: 10WGZ695-R001	Type: 1054M	Enclosure: TEFC
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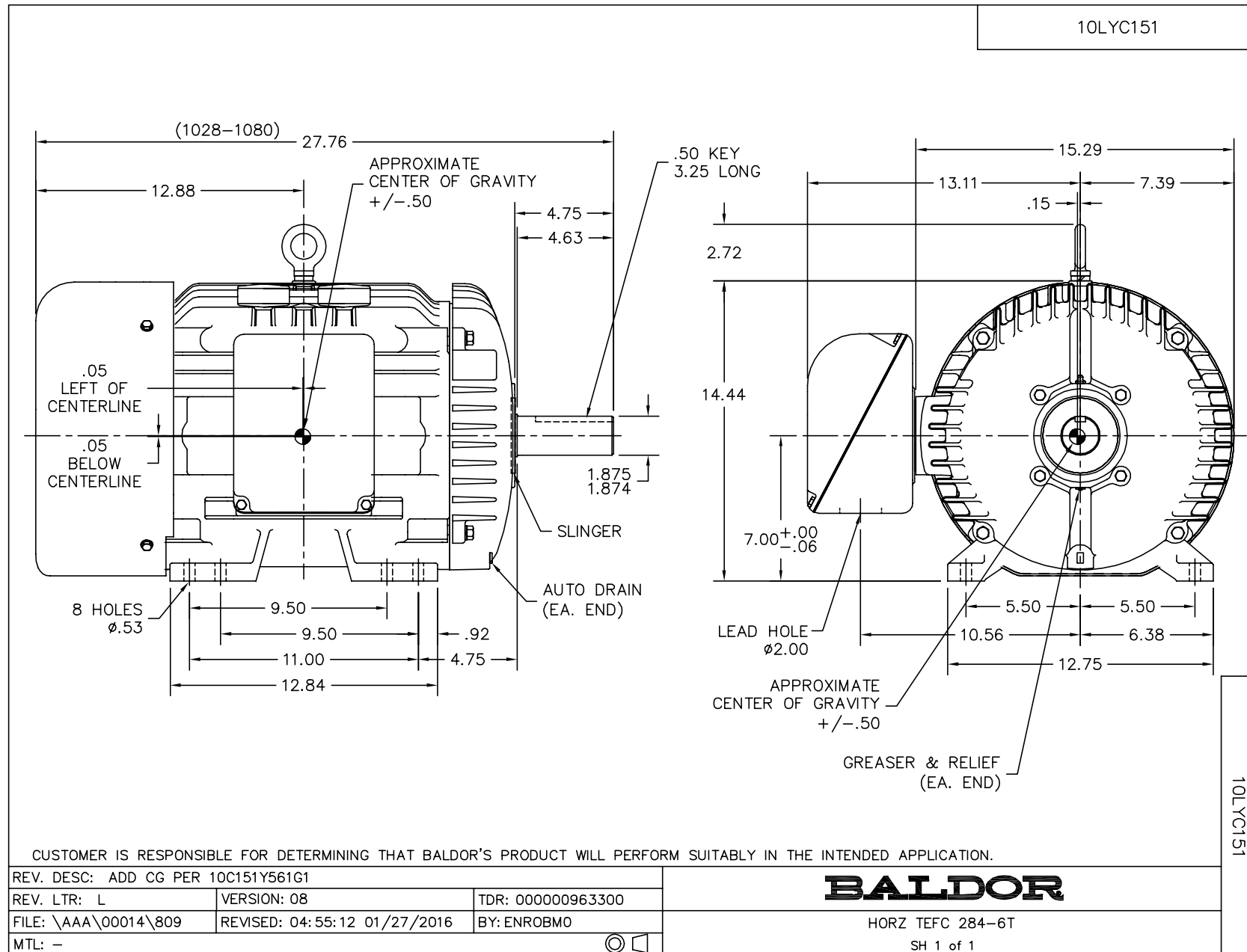
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	25			Full Load Torque	74 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	71			Breakdown Torque	267 LB-FT
R.P.M.	1775			Pull-up Torque	121 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	145 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	523 A
Service Factor (S.F.)	1.15			No-load Current	32.29 A
NEMA Nom. Eff.	93.6	Power Factor	81	Line-line Res. @ 25°C	0.0425 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
				Rotor inertia	4.31 LB-FT ²

Load Characteristics 200 V, 60 Hz, 25 HP

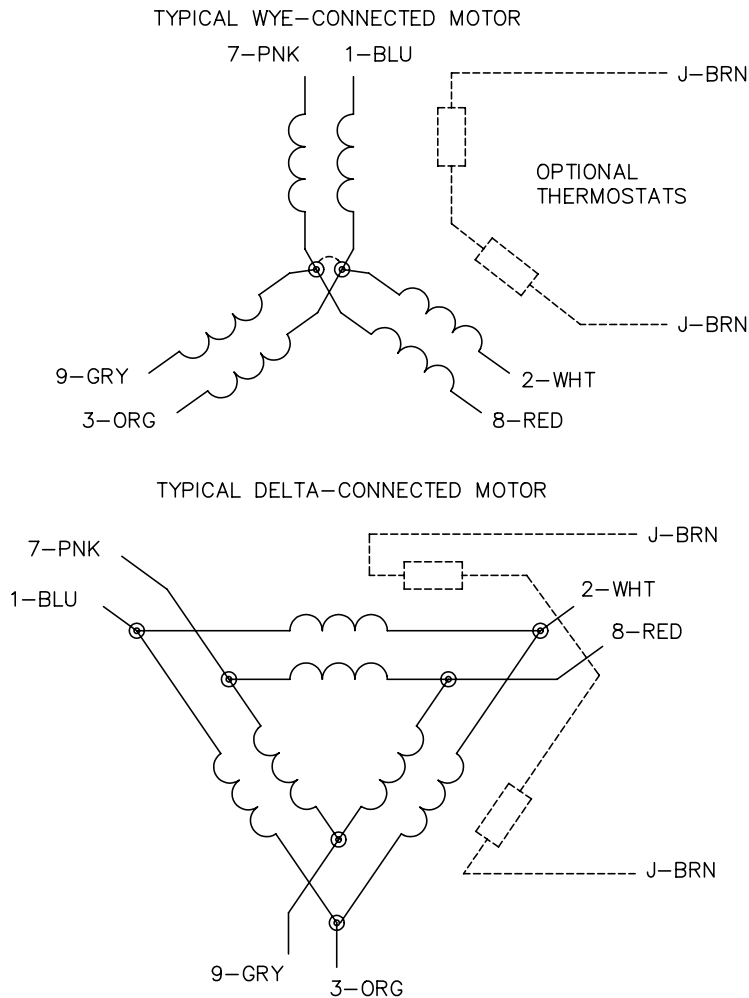
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	65	75	81	83	84	82
Efficiency	88.2	92.8	93.9	94	93.7	93.4	93.8
Speed	1794	1790	1784	1778	1771	1764	1774
Line amperes	36.11	45.2	57.31	70.94	85.99	103	80

Performance Graph at 200V, 60Hz, 25.0HP Typical performance - Not guaranteed values

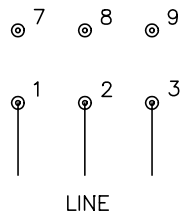




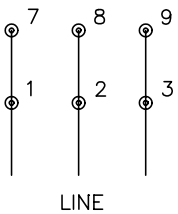
CD0695



START CONNECTION



RUN CONNECTION



- NOTES:
1. MOTOR MAY BE WYE CONNECTED OR DELTA CONNECTED.
 2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
 5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
9690D0		FILE: AAA00005151	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START

CD0695