

BALDOR® • RELIANCE

Product Information Packet

ECP4103T

25HP,1770RPM,3PH,60HZ,284T,1052M,TEFC,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1052M	Elec. Spec:	10WGZ437	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10H292	Layout:	10LYH292
Frame:	284T	Mounting:	F1	Poles:	04	Created Date:	07-21-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-19-2017
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3241

CAT.NO.	ECP4103T	P/N		ENCLOSURE	TEFC
SPEC.	10H292Z437G1	CC	010A	FRAME	284T
HP	25	CLASS	F	HZ	60
RPM	1770	RPM MAX	2700	PH	3
VOLT	230/460	MOTOR WEIGHT	425	DES	B
AMP	60/30	SER.F.	1.15	PF	85
RATING	40C AMB-CONT	NEMA-NOM-EFF	93.6	ODE BRG	6311
				DE BRG	6311
				GREASE	POLYREX EM
				INV.TYPE	PWM
TEMP CODE	T3C	INVERTER-TEMP-CODE	180		
TEMP =	160	C HP FR	60	C HP TO	90
CT HZ FROM	1.0	CT HZ TO	60		
HTR-VOLTS		HTR-AMPS		HTR-WATTS	
				MAX. SPACE HEATER TEMP.	
				VT HZ FROM	0
				VT HZ TO	60

AC Induction Motor Performance Data

Record # 52015 - Typical performance - not guaranteed values

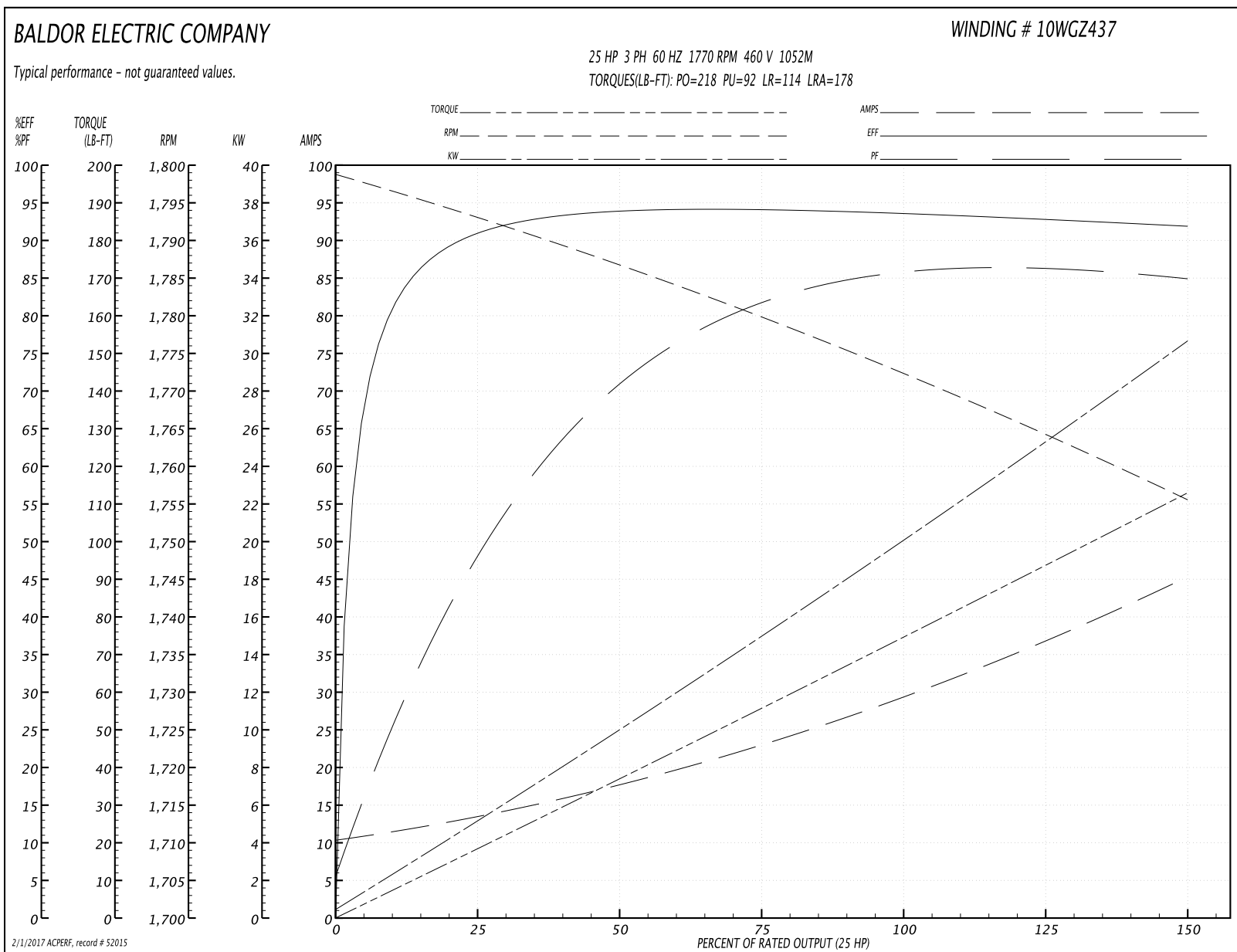
Winding: 10WGZ437-R001	Type: 1052M	Enclosure: TEFC
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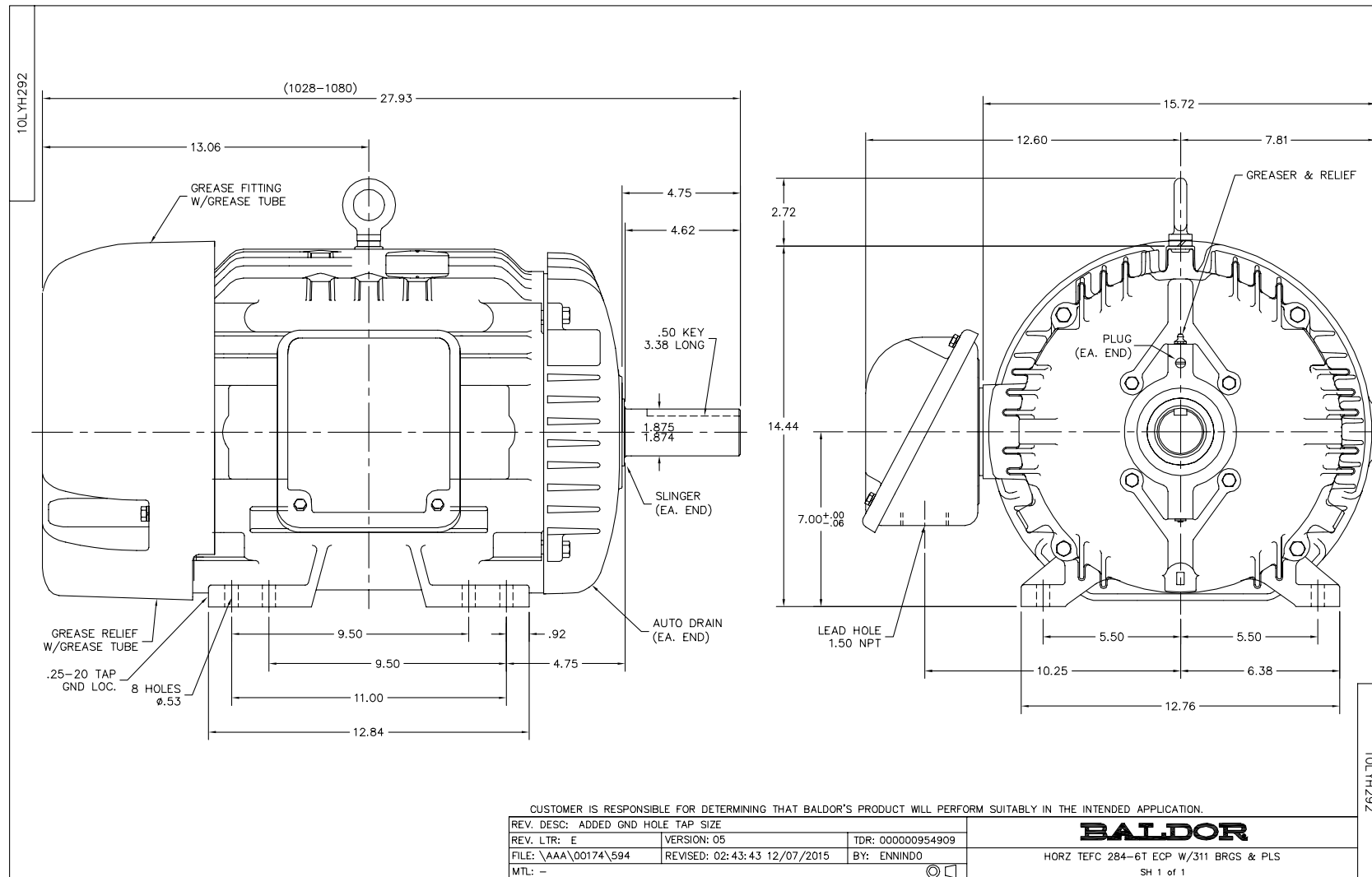
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	25			Full Load Torque	74.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	60/30			Breakdown Torque	218 LB-FT
R.P.M.	1770			Pull-up Torque	92 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	114 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	178 A
Service Factor (S.F.)	1.15			No-load Current	10.8 A
NEMA Nom. Eff.	93.6	Power Factor	85	Line-line Res. @ 25°C	0.29534 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C
				Locked-rotor Power Factor	32
				Rotor inertia	4.13 LB-FT ²

Load Characteristics 460 V, 60 Hz, 25 HP

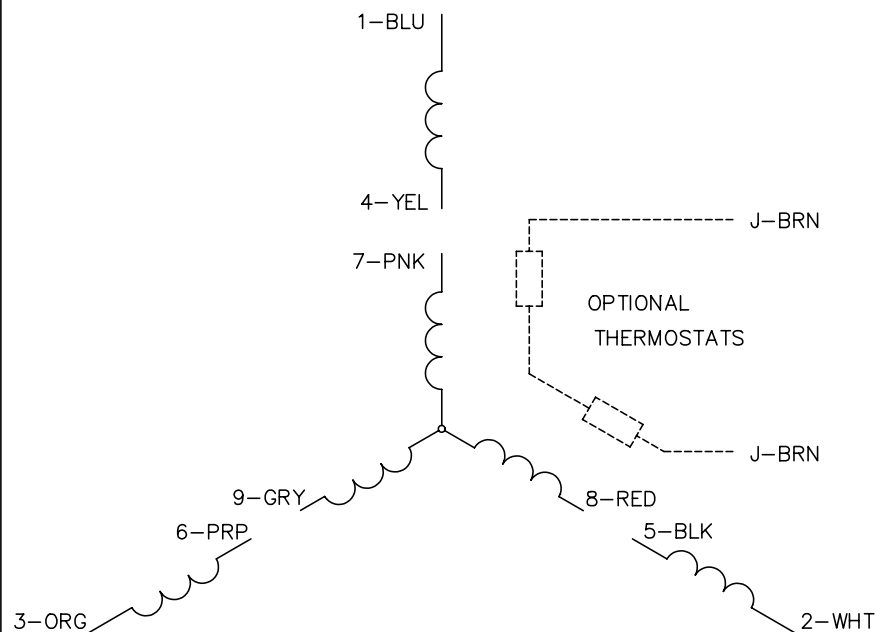
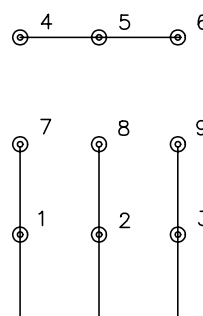
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	72	81	85	86	85	86
Efficiency	91	93.7	94.1	93.7	92.9	91.9	93.2
Speed	1792.9	1786.4	1779.8	1772.5	1764.1	1755.5	1767
Line amperes	13	17.4	23.4	29.7	37	45.1	34.1

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

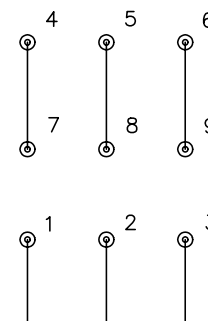




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005