BALDOR • RELIANCE

Product Information Packet

ECP2395T-4

15HP,880RPM,3PH,60HZ,286T,1060M,TEFC,F1

Part Detail

Revision:	H	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	10WGZ579	**CD Diagram:**	CD0006	**Mfg Plant:**	
Mech. Spec:	10H292	**Layout:**	10LYH292	**Poles:**	08	**Created Date:**	07-22-2016
Base:	RG	**Eff. Date:**	07-05-2022	**Leads:**	3#12		

Specs

Catalog Number:	ECP2395T-4	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Inverter Duty
Frame:	286T	**KVA Code:**	G
Frame Material:	Iron	**Lifting Lugs:**	Standard Lifting Lugs
Motor Letter Type:	Three Phase	**Locked Bearing Indicator:**	Locked Bearing
Output @ Frequency:	15.000 HP @ 60 HZ	**Motor Lead Quantity/Wire Size:**	3 @ 12 AWG
Synchronous Speed @ Frequency:	900 RPM @ 60 HZ	**Motor Lead Exit:**	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	CLI GP A,B,C,D	**Motor Type:**	1060M
XP Division:	Division II	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	68
	CSA EEV	**Product Family:**	Super-E Chemical Processing
	UR	**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

Constant Torque Speed Range:	6
Current @ Voltage:	23.000 A @ 460.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater

Shaft Rotation:	Reversible
Shaft Slinger Indicator:	Shaft Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None
XP Temp Code:	T3

Nameplate NP3241

CAT.NO.	ECP2395T-4	**P/N**		**ENCLOSURE**	TEFC				
SPEC.	10H292Z579G1	**CC**	010A	**FRAME**	286T	**S/N**			
HP	15	**CLASS**	F	**HZ**	60	**DES**	B		
RPM	880	**RPM MAX**	1350	**PH**	3	**KVA-CODE**	G		
VOLT	460	**MOTOR WEIGHT**	479						
AMP	23	**SER.F.**	1.15	**PF**	68	**ODE BRG**	6311	**DE BRG**	6311
RATING	40C AMB-CONT	**NEMA-NOM-EFF**	89.5	**GREASE**	POLYREX EM				
				INV.TYPE	PWM				
TEMP CODE	T3	**INVERTER-TEMP-CODE**	200						
TEMP =	200	**C HP FR**	60	**C HP TO**	90				
CT HZ FROM	6	**CT HZ TO**	60						
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**		**MAX. SPACE HEATER TEMP.**		**VT HZ FROM**	3	**VT HZ TO**	60

AC Induction Motor Performance Data
Record # 58383
Typical performance - not guaranteed values

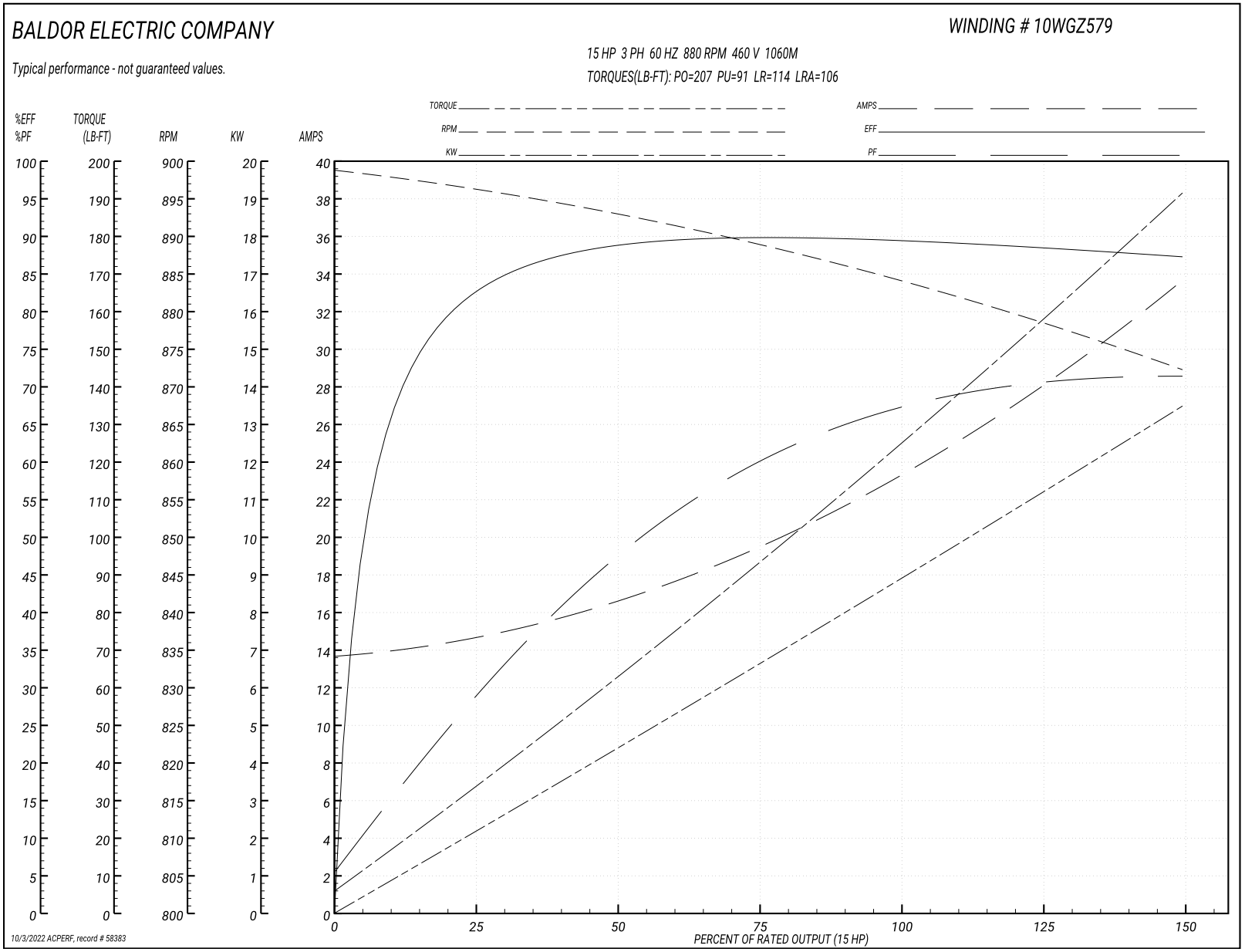
Winding: 10WGZ579-R001	**Type:** 1060M	**Enclosure:** TEFC

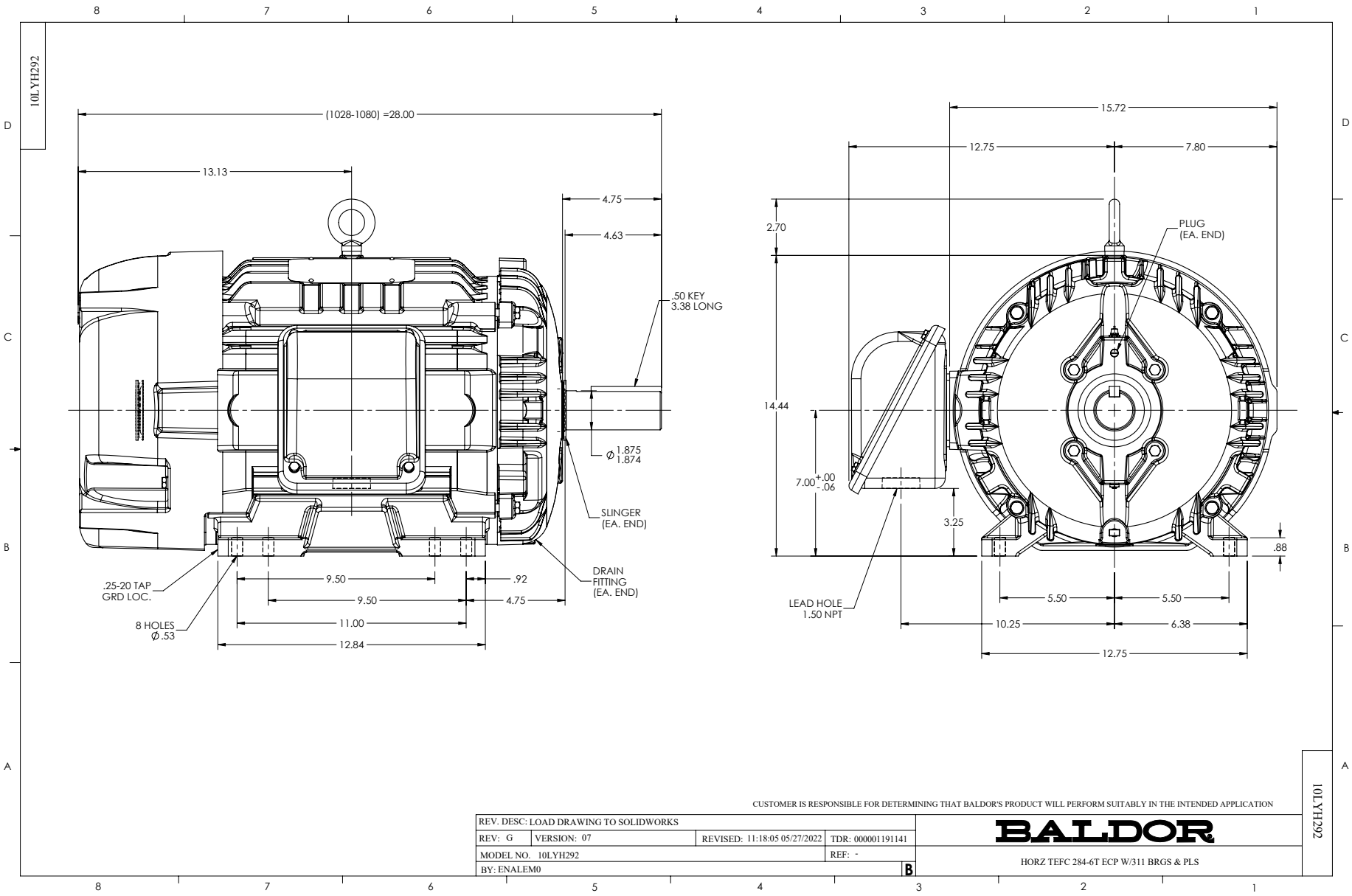
Nameplate Data			**460 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		15	**Full Load Torque**	88.8 LB-FT
Volts		460	**Start Configuration**	direct on line
Full Load Amps		23	**Breakdown Torque**	207 LB-FT
R.P.M.		880	**Pull-up Torque**	91 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	114 LB-FT
NEMA Design Code	B **KVA Code**	G	**Starting Current**	106 A
Service Factor (S.F.)		1.15	**No-load Current**	13.8 A
NEMA Nom. Eff.	89.5 **Power Factor**	68	**Line-line Res. @ 25ºC**	0.656 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps			**Temp. Rise @ S.F. Load**	73°C
			Locked-rotor Power Factor	31.7
			Rotor inertia	7.36 LB-FT2

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	48	60	68	70	72	69
Efficiency	82.1	88.3	89.8	89.6	88.9	87.1	89.2
Speed	896	893	889	884	879	872	881
Line amperes	14.5	16.5	19.5	23.4	28.1	33.6	26.2

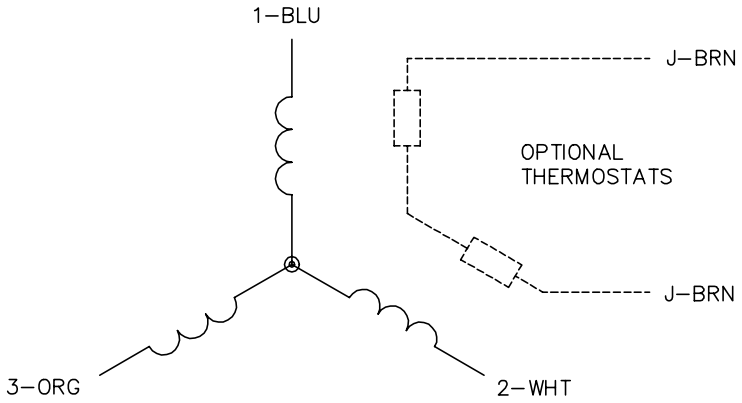
Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values

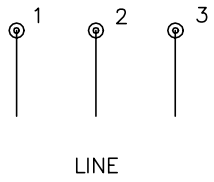



10LYH292
(1028-1080) =28.00
13.13
4.75
4.63
.50 KEY
3.38 LONG
Ø 1.875
1.874
SLINGER
(EA. END)
DRAIN
FITTING
(EA. END)
.25-20 TAP
GRD LOC.
8 HOLES
Ø .53
9.50
9.50
11.00
12.84
.92
4.75
15.72
12.75
7.80
2.70
PLUG
(EA. END)
14.44
7.00 +.00 -.06
3.25
.88
LEAD HOLE
1.50 NPT
5.50
5.50
10.25
6.38
12.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: G
VERSION: 07
REVISED: 11:18:05 05/27/2022
TDR: 000001191141
MODEL NO. 10LYH292
REF: -
BY: ENALEM0
B
BALDOR
HORZ TEFC 284-6T ECP W/311 BRGS & PLS
10LYH292

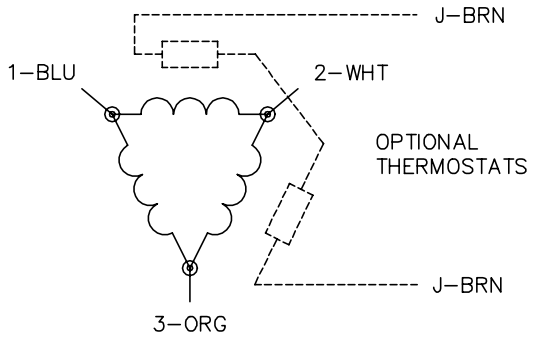
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER 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 BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1