BALDOR • RELIANCE

Product Information Packet

ECP3661T-4

3HP,1755RPM,3PH,60HZ,182T,0632M,TEFC,F1

Part Detail

Revision:	L	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	06WGX240	**CD Diagram:**	CD0006	**Mfg Plant:**	
Mech. Spec:	06H483	**Layout:**	06LYH483	**Poles:**	04	**Created Date:**	09-26-2013
Base:	RG	**Eff. Date:**	04-22-2021	**Leads:**	3#16		

Specs

Catalog Number:	ECP3661T-4	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	F
Frame:	182T	**Inverter Code:**	Inverter Duty
Frame Material:	Iron	**KVA Code:**	J
Motor Letter Type:	Three Phase	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	3 @ 16 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
XP Class and Group:	CLI GP A,B,C,D	**Motor Lead Termination:**	Flying Leads
XP Division:	Division II	**Motor Type:**	0632M
Agency Approvals:	CSA EEV	**Mounting Arrangement:**	F1
	UR	**Power Factor:**	77
	CSA	**Product Family:**	Super-E Chemical Processing
	CCSA US	**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
Constant Torque Speed Range:	1.5
Current @ Voltage:	4.100 A @ 460.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Enclosure Modification:	Severe Duty Features
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
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:	T3C

Nameplate NP3257E

CAT.NO.	ECP3661T-4						
SPEC.	06H483X240G2						
HP	3 TE						
VOLTS	460						
AMP	4.1						
RPM	1755						
FRAME	182T	**HZ**	60			**PH**	3
SER.F.	1.15	**CODE**	J	**DES**	B	**CL**	F
RATING	40C AMB-CONT						
SN							
DE	6206	**ODE**	6206				
NEMA-NOM-EFF	89.5	**PF**	77				
G.MIN.EFF	89.5	**CC**	010A				
T. CODE	T3C	**T=**	160				

Nameplate NP3260E

SPEC.	06H483X240G2		
D.E. BRG.	30BC02XP30X		
O.D.E. BRG.	30BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	0.86
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.5	CT HZ TO	60
VT HZ FROM	0-	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data
Record # 92246
Typical performance - not guaranteed values

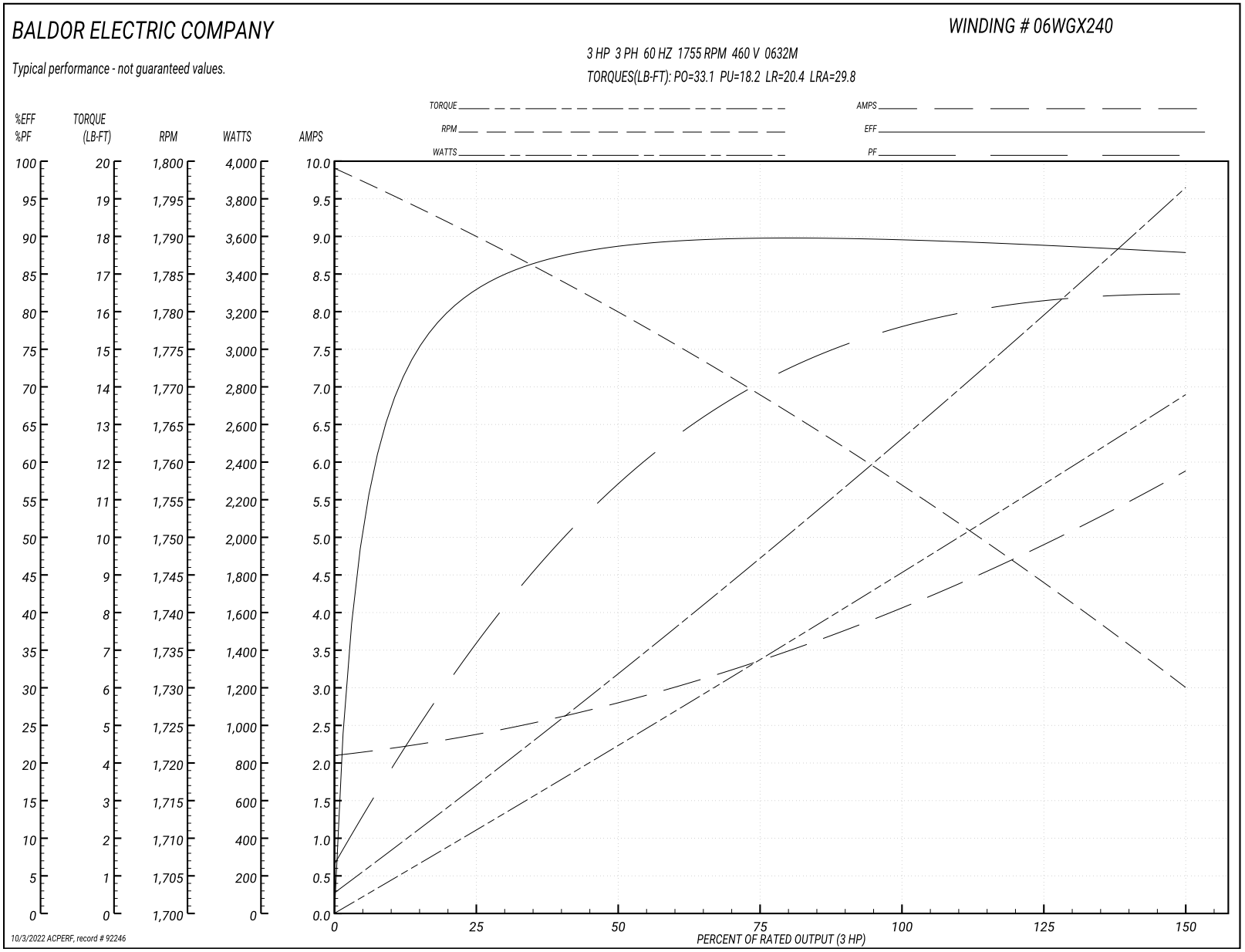
Winding: 06WGX240-R041	**Type:** 0632M	**Enclosure:** TEFC

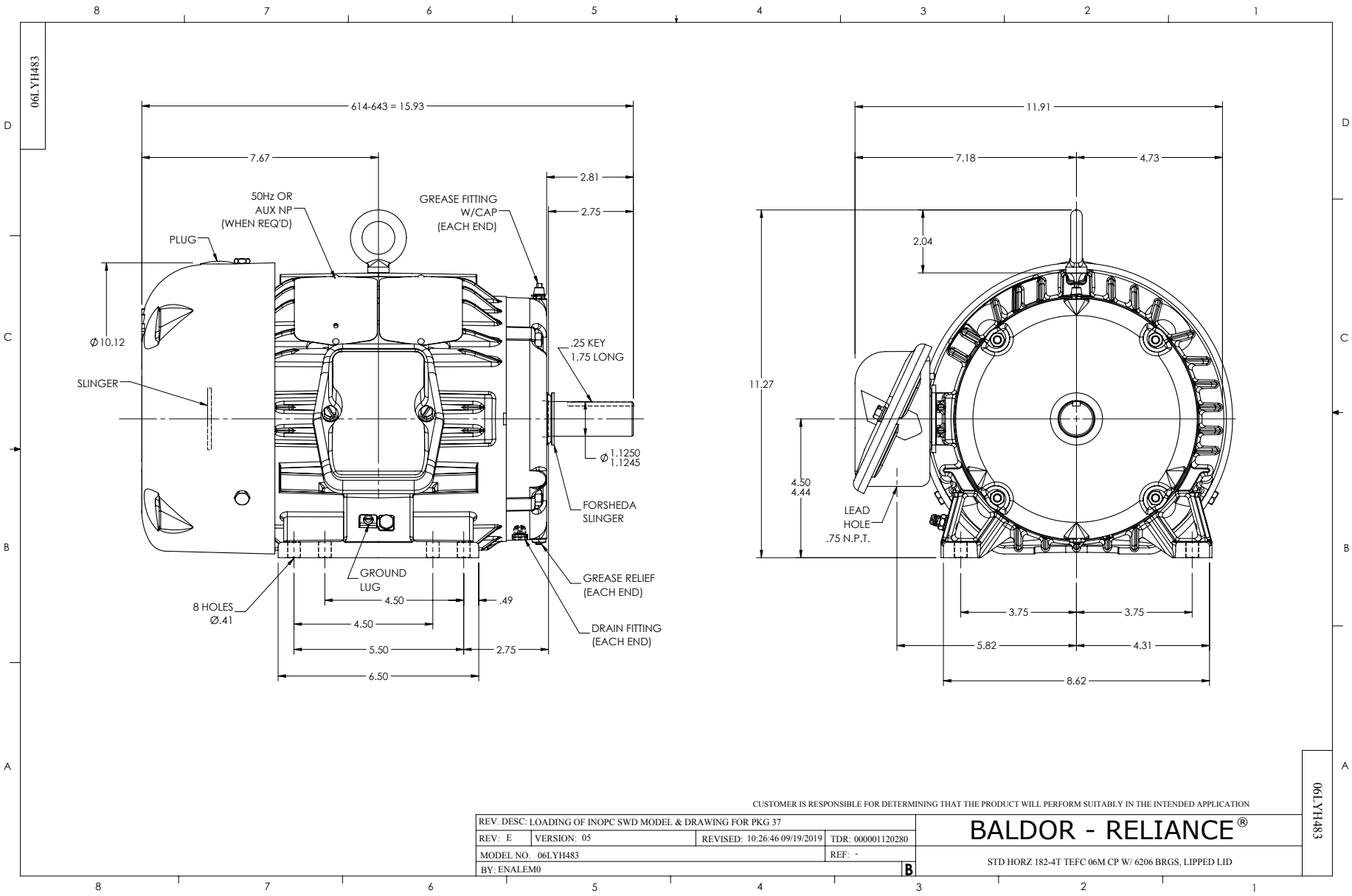
Nameplate Data			**460 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		3	**Full Load Torque**	9.06 LB-FT
Volts		460	**Start Configuration**	direct on line
Full Load Amps		4.1	**Breakdown Torque**	33.1 LB-FT
R.P.M.		1755	**Pull-up Torque**	18.2 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	20.4 LB-FT
NEMA Design Code	B **KVA Code**	J	**Starting Current**	29.8 A
Service Factor (S.F.)		1.15	**No-load Current**	2.14 A
NEMA Nom. Eff.	89.5 **Power Factor**	77	**Line-line Res. @ 25ºC**	3.93 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps			**Temp. Rise @ S.F. Load**	42°C
			Locked-rotor Power Factor	41.4
			Rotor inertia	0.298 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	70	77	81	83	79
Efficiency	83.2	88.3	89.8	89.5	89.1	87.7	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

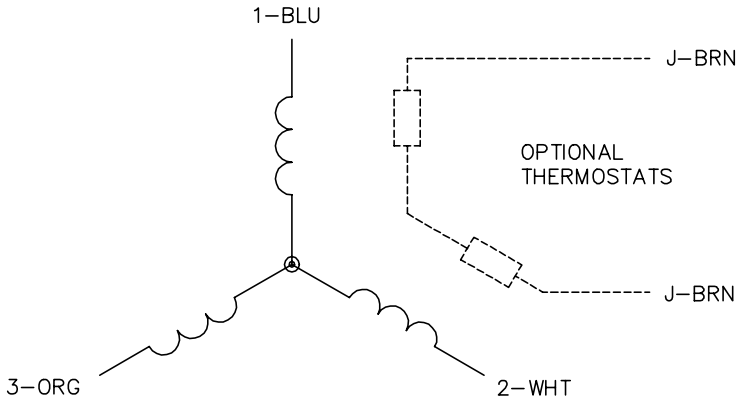
Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

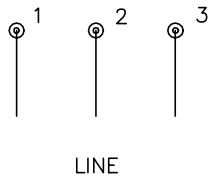



06LYH483
614-643 = 15.93
7.67
2.81
2.75
50Hz OR
AUX NP
(WHEN REQ'D)
GREASE FITTING
W/CAP
(EACH END)
PLUG
Ø10.12
SLINGER
.25 KEY
1.75 LONG
Ø1.1250
1.1245
FORSHEDA
SLINGER
GROUND
LUG
GREASE RELIEF
(EACH END)
8 HOLES
Ø.41
4.50
.49
4.50
DRAIN FITTING
(EACH END)
5.50
2.75
6.50
11.91
7.18
4.73
2.04
11.27
4.50
4.44
LEAD
HOLE
.75 N.P.T.
3.75
3.75
5.82
4.31
8.62
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF INOPC SWD MODEL & DRAWING FOR PKG 37
REV: E
VERSION: 05
REVISED: 10:26:46 09/19/2019
TDR: 000001120280
MODEL NO. 06LYH483
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 06M CP W/ 6206 BRGS, LIPPED LID
06LYH483

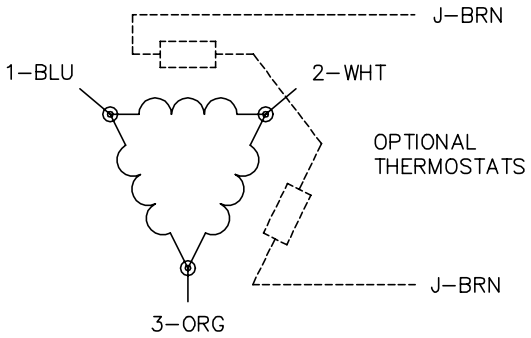
CD0006

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

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