BALDOR • RELIANCE

Product Information Packet

ECP3665T

5HP,1750RPM,3PH,60HZ,184T,0642M,TEFC,F1

Part Detail

Revision:	W	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	06WGX182	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	06H483	**Layout:**	06LYH483	**Poles:**	04	**Created Date:**	04-05-2012
Base:	RG	**Eff. Date:**	04-22-2021	**Leads:**	9#16		

Specs

Catalog Number:	ECP3665T	**Front Shaft Indicator:**	None
Enclosure:	TEFC	**Heater Indicator:**	No Heater
Frame:	184T	**Insulation Class:**	F
Frame Material:	Iron	**Inverter Code:**	Inverter Duty
Motor Letter Type:	Three Phase	**KVA Code:**	J
Output @ Frequency:	5.000 HP @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 16 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	208.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	CLI GP A,B,C,D	**Motor Type:**	0642M
XP Division:	Division II	**Mounting Arrangement:**	F1
Agency Approvals:	CSA EEV	**Power Factor:**	79
	UR	**Product Family:**	Chemical Processing (Not DC)
	CSA	**Pulley End Bearing Type:**	Ball
	CCSA US	**Pulley Face Code:**	Standard
Auxillary Box:	No Auxillary Box	**Pulley Shaft Indicator:**	Standard
Auxillary Box Lead Termination:	None	**Rodent Screen:**	None

Base Indicator:	Rigid	**RoHS Status:**	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Shaft Extension Location:**	Pulley End
Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding
Constant Torque Speed Range:	1.7	**Shaft Rotation:**	Reversible
Current @ Voltage:	14.000 A @ 208.0 V	**Shaft Slinger Indicator:**	Shaft Slinger
	6.500 A @ 460.0 V	**Speed Code:**	Single Speed
	13.000 A @ 230.0 V	**Motor Standards:**	NEMA
Design Code:	B	**Starting Method:**	Direct on line
Drip Cover:	No Drip Cover	**Thermal Device - Bearing:**	None
Duty Rating:	CONT	**Thermal Device - Winding:**	None
Electrically Isolated Bearing:	Not Electrically Isolated	**Vibration Sensor Indicator:**	No Vibration Sensor
Enclosure Modification:	Severe Duty Features	**Winding Thermal 1:**	None
Feedback Device:	NO FEEDBACK	**Winding Thermal 2:**	None
Front Face Code:	Standard	**XP Temp Code:**	T3C

Nameplate NP3257E

CAT.NO.	ECP3665T						
SPEC.	06H483X182G1						
HP	5 TE						
VOLTS	208-230/460						
AMP	14-13/6.5						
RPM	1750						
FRAME	184T	**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**	79				
G.MIN.EFF	89.5	**CC**	010A				
T. CODE	T3C	**T=**	160				

Nameplate NP3260E

SPEC.	06H483X182G1		
D.E. BRG.	30BC02XP30X		
O.D.E. BRG.	30BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	1.7
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.7	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 # 47003
Typical performance - not guaranteed values

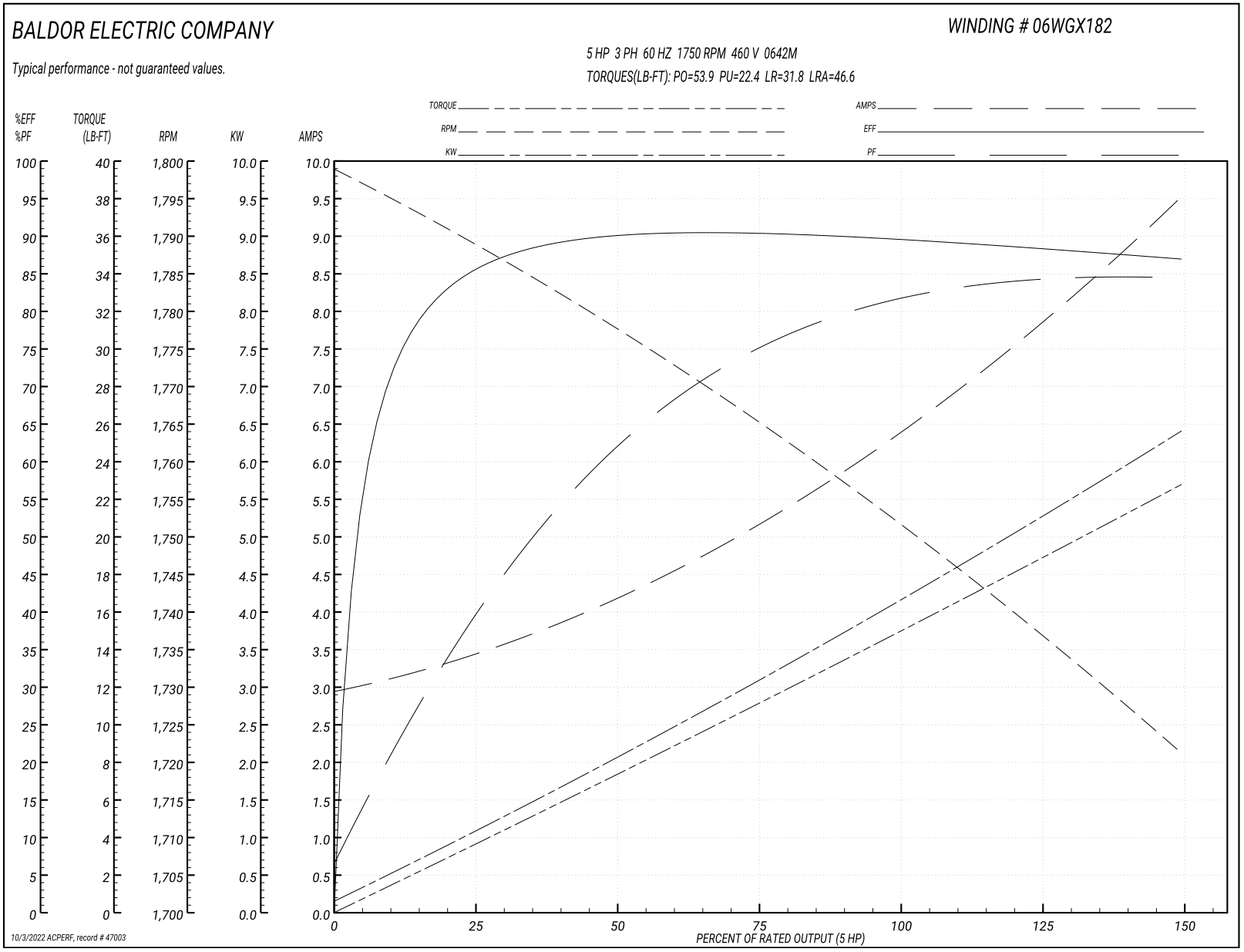
Winding: 06WGX182-R063	**Type:** 0642M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		5	**Full Load Torque**	15 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		14-13/6.5	**Breakdown Torque**	53.9 LB-FT
R.P.M.		1750	**Pull-up Torque**	22.4 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	31.8 LB-FT
NEMA Design Code	B **KVA Code**	J	**Starting Current**	46.6 A
Service Factor (S.F.)		1.15	**No-load Current**	3.02 A
NEMA Nom. Eff.	89.5 **Power Factor**	79	**Line-line Res. @ 25ºC**	2.63 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	53°C
S.F. Amps			**Temp. Rise @ S.F. Load**	66°C
			Locked-rotor Power Factor	40.5
			Rotor inertia	0.391 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	41	63	75	81	84	85	81
Efficiency	85.1	89.7	90.3	89.8	88.4	86.8	89.2
Speed	1789	1777	1765	1752	1737	1721	1743
Line amperes	3.35	4.14	5.21	6.45	7.91	9.47	7.48

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data
Record # 49253
Typical performance - not guaranteed values

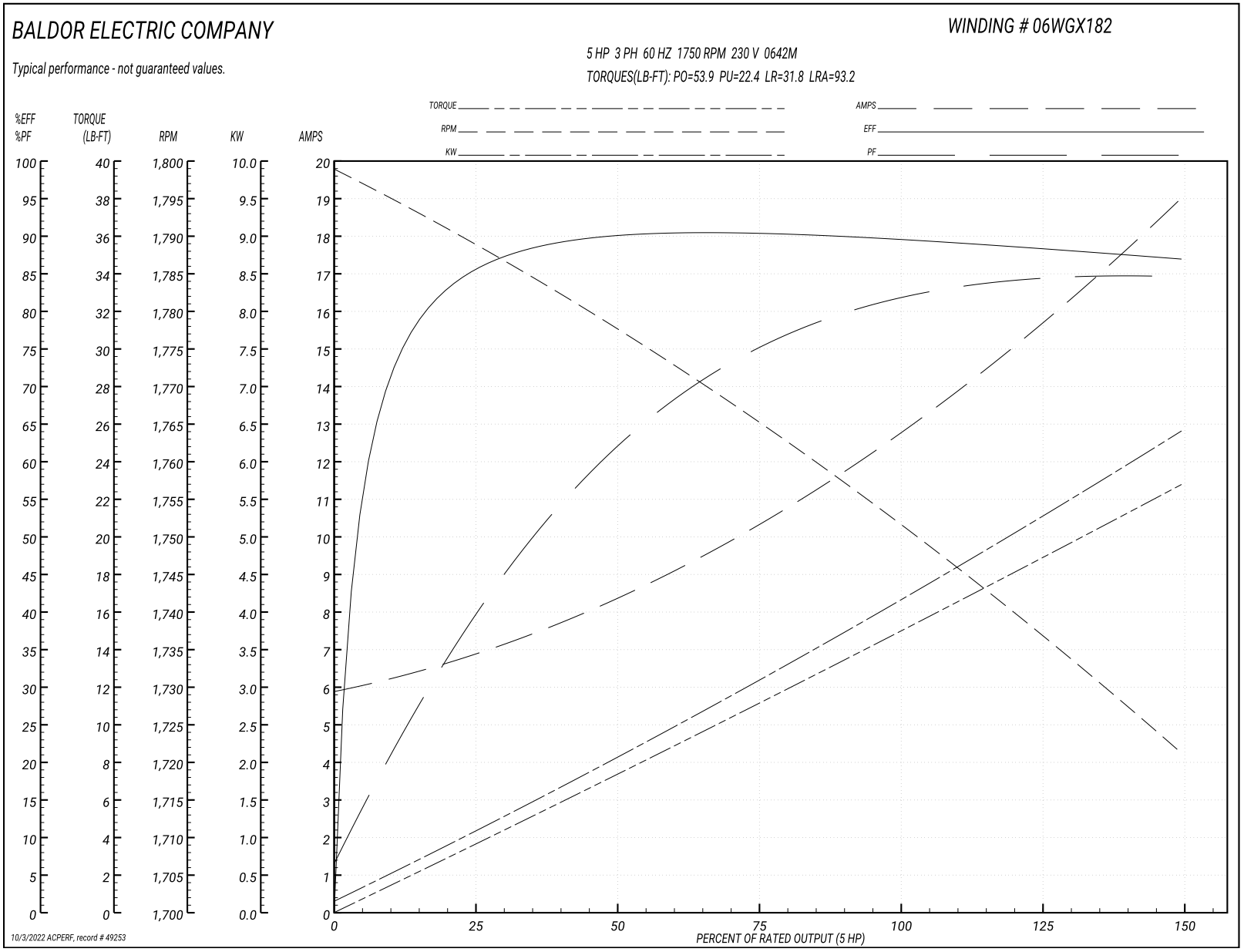
Winding: 06WGX182-R063	**Type:** 0642M	**Enclosure:** TEFC

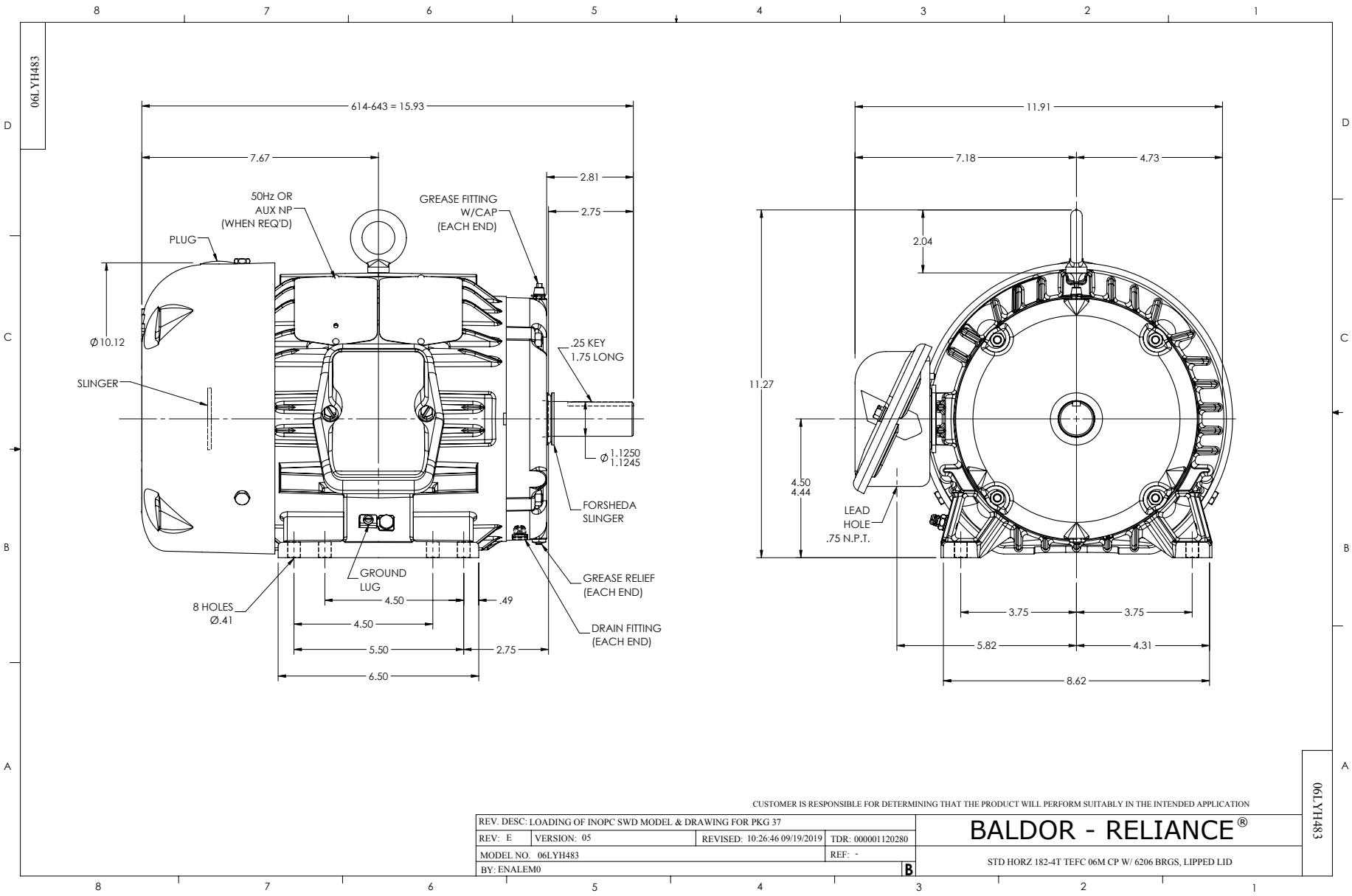
Nameplate Data			**230 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		5	**Full Load Torque**	15 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		14-13/6.5	**Breakdown Torque**	53.9 LB-FT
R.P.M.		1750	**Pull-up Torque**	22.4 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	31.8 LB-FT
NEMA Design Code	B **KVA Code**	J	**Starting Current**	93.2 A
Service Factor (S.F.)		1.15	**No-load Current**	6.04 A
NEMA Nom. Eff.	89.5 **Power Factor**	79	**Line-line Res. @ 25ºC**	0.658 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	53°C
S.F. Amps			**Temp. Rise @ S.F. Load**	65°C
			Locked-rotor Power Factor	40.5
			Rotor inertia	0.391 LB-FT2

Load Characteristics 230 V, 60 Hz, 5 HP

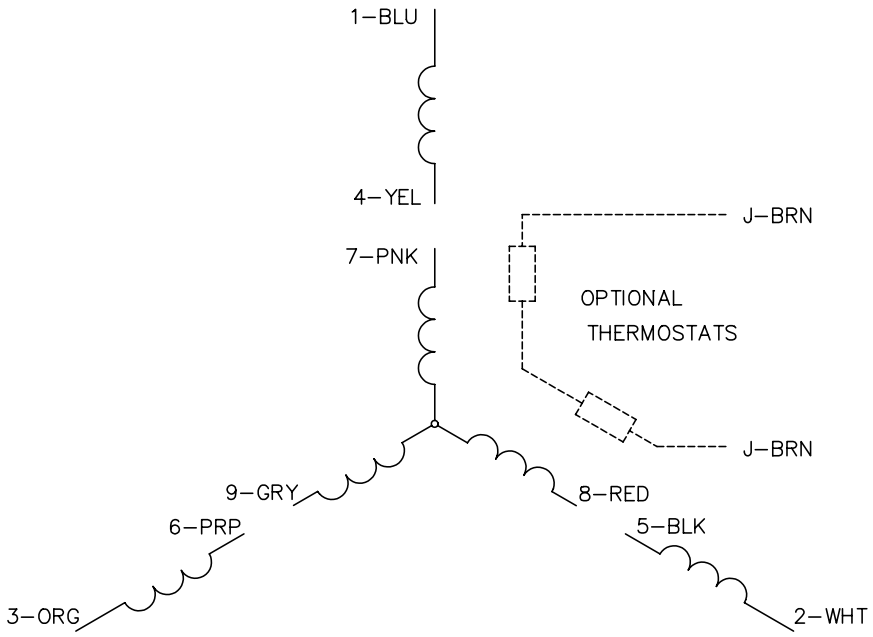
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	41	63	75	81	84	85	81
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9	88.8
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	6.7	8.28	10.4	12.9	15.8	18.9	15

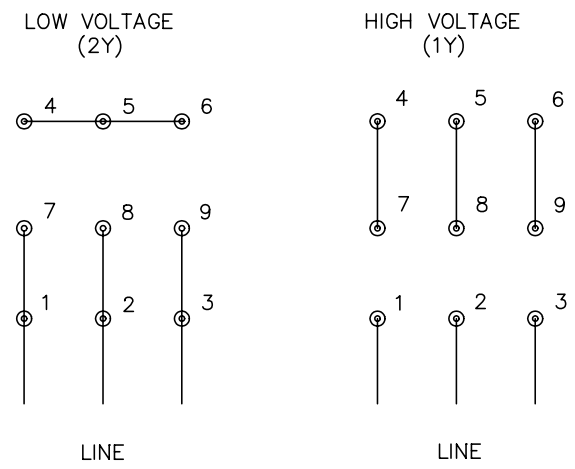
Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values




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

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS