

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
SER.F.	1.15	CODE	J
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

PH	3
CL	F

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
CT HZ FROM	1.7
VT HZ FROM	0-
C HP TO	90
CT HZ TO	60
VT HZ TO	60
HTR-VOLTS	
HTR-WATTS	
HTR-AMPS	
MAX. SPACE HEATER TEMP.	

Parts List		
Part Number	Description	Quantity
SA242254	SA 06H483X182G1	1.000 EA
RA229165	RA 06H483X182G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1000A02G	CONDUIT BOX, MACH GRAY	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
51XF2520A16	SCREW,HEX SER SLT HD,ZN 1/4-20X1.00LG TD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 EA
36FE1100B72G	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36PE1100A29G	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
06FH1004A01G	FAN HOUSING MACH, W/GRAY EPOXY	1.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	3.000 EA
06CB1502G	LIPPED CONDUIT BOX LID CAST, GRAY EPOXY	1.000 EA
06GS1003	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HA1005A22	SLINGER, OD 2.00, ID 1.14, 206 BRG, GM	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN 8	0.028 GA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3257E	SS CP SUPER-E DIV-2 UL CSA-C US EEV PREM	1.000 EA
NP3260E	SS CP SUPER-E AUX DATA INFORMATION	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA

MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA

AC Induction Motor Performance Data

Record # 47003

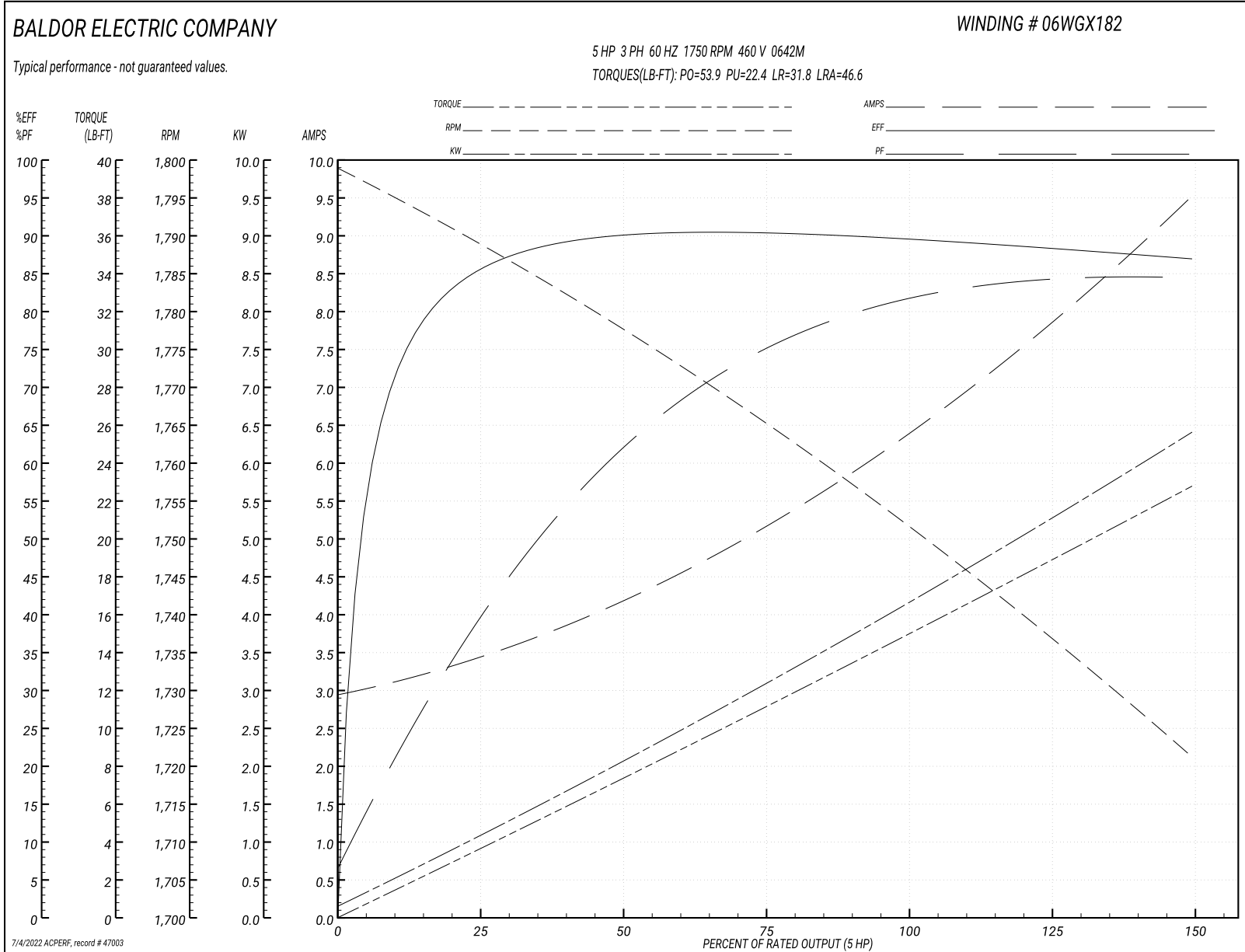
Typical performance - not guaranteed values

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. @ 25°C		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-FT ²

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

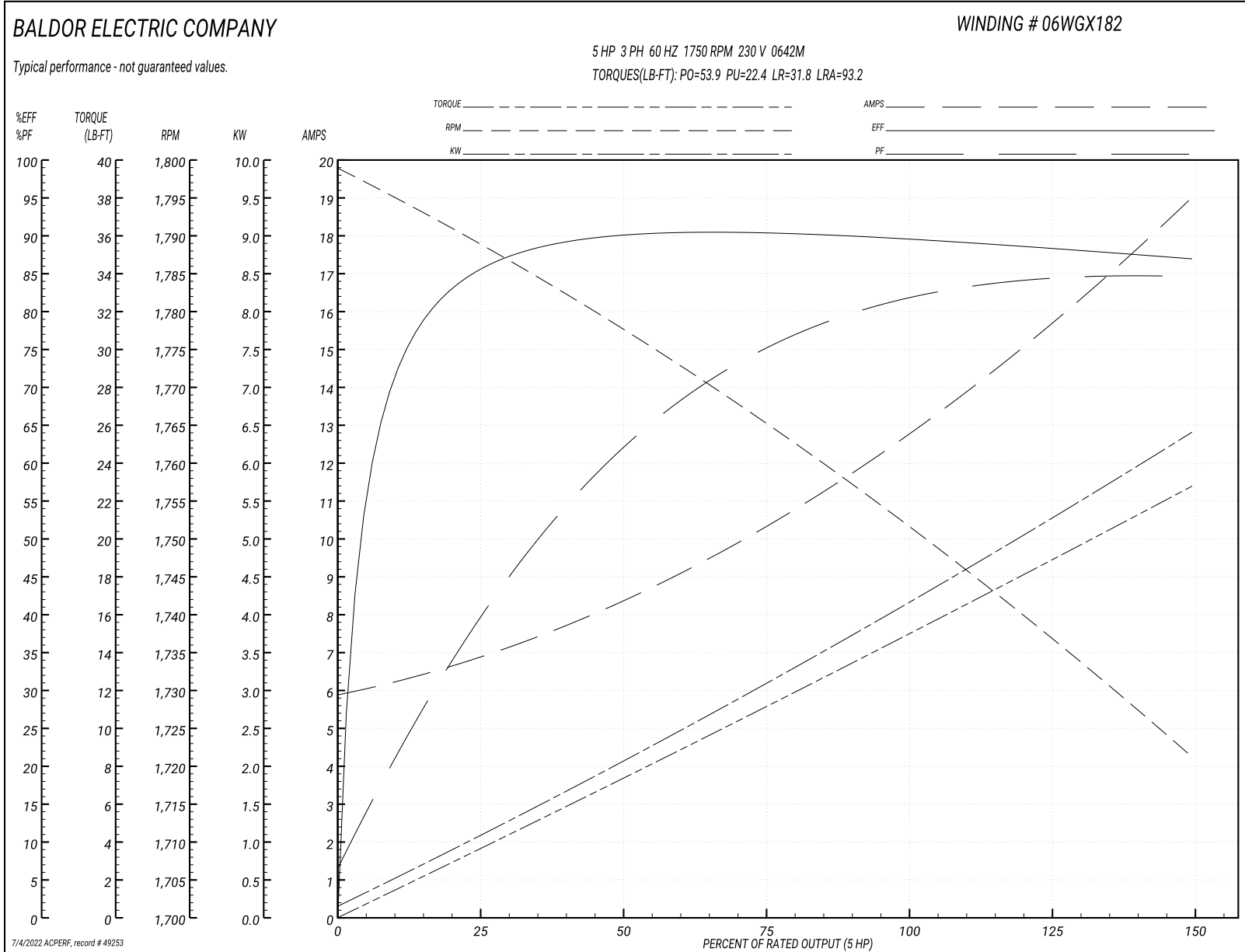
Typical performance - not guaranteed values

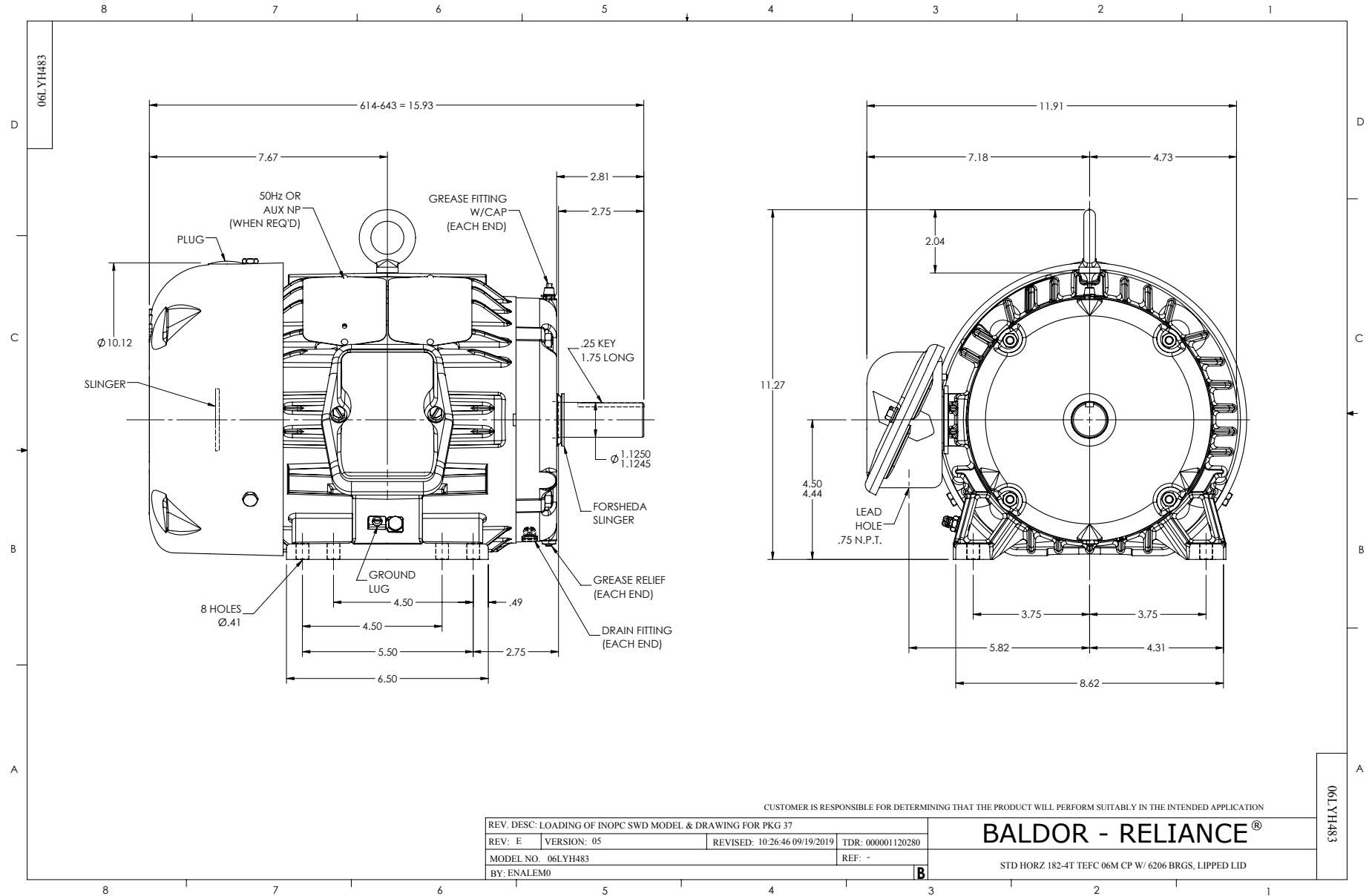
Winding: 06WGX182-R063		Type: 0642M		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	5	Full Load Torque	15 LB-FT		
Volts	208-230/460	Start Configuration	direct on line		
Full Load Amps	14-13/6.5	Breakdown Torque	53.9 LB-FT		
R.P.M.	1750	Pull-up Torque	22.4 LB-FT		
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. @ 25°C	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-FT ²		

Load Characteristics 230 V, 60 Hz, 5 HP

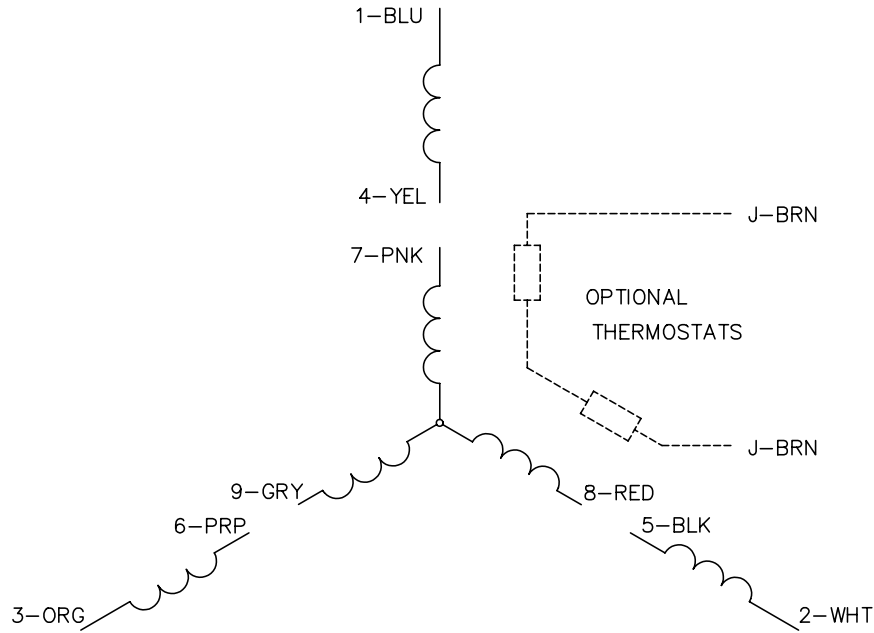
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	75	81	84	85	81
Efficiency	85.2	89.8	90.4	89.8	88.4	86.9	88.8
Speed	1789	1777	1765	1752	1737	1721	1739
Line amperes	6.7	8.28	10.4	12.9	15.8	18.9	15

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

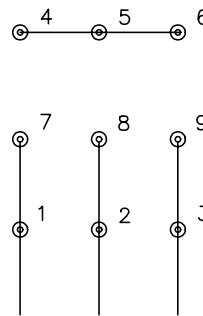




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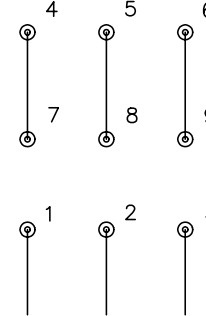


LOW VOLTAGE
(2Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005