

BALDOR® • RELIANCE

Product Information Packet

ECP3665T

5HP,1750RPM,3PH,60HZ,184T,0641M,TEFC,F1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0642M	Elec. Spec:	06WGX182	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06H483	Layout:	06LYH483
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	04-05-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-08-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

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
		DES	B
RATING	40C AMB-CONT		
SN			
DE	6206	ODE	6206
NEMA-NOM-EFF	89.5	PF	79
G.MIN.EFF	87.5	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	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.	

Parts List		
Part Number	Description	Quantity
SA242254	SA 06H483X182G1	1.000 EA
RA229165	RA 06H483X182G1	1.000 EA
36FN3000C01	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
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 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
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
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
06CB1502A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
06GS1003	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
10XN2520A12	O1/4-20X 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 (USe 4824-15A)	0.050 LB
MG1025N19	WILKOFASST, 778.50, RELIANCE BLUE-GREEN	0.028 GA
HW2501E16	3KEY, 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 (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 47003 - Typical performance - not guaranteed values

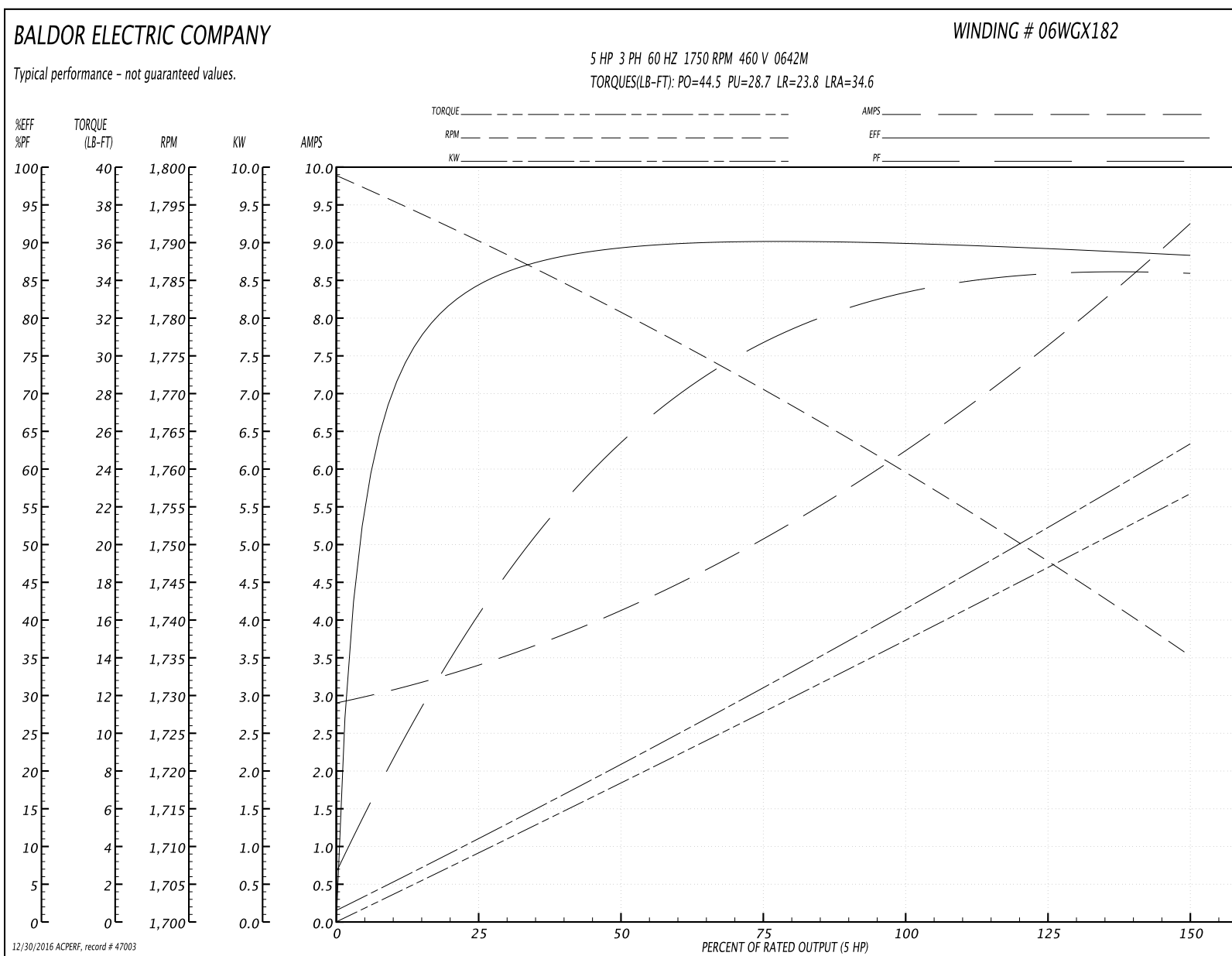
Winding: 06WGX182-R063	Type: 0642M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	14-13.2/6.6			Breakdown Torque	44.5 LB-FT
R.P.M.	1750			Pull-up Torque	28.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	23.8 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	34.6 A
Service Factor (S.F.)	1.15			No-load Current	2.99 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	54°C
S.F. Amps				Temp. Rise @ S.F. Load	67°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	42	65	76	82	85	87	81
Efficiency	84.3	89.2	90.2	90.1	89.3	88.3	89.2
Speed	1790	1781	1770	1760	1748	1735	1743
Line amperes	3.3	4.06	5.09	6.32	7.69	9.19	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-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

