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Product Information Packet

ECP3764T

3HP,1165RPM,3PH,60HZ,213T,0738M,TEFC,F1

Part Detail

Revision:	T	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	07WGX822	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	07K374	**Layout:**	07LYK374	**Poles:**	06	**Created Date:**	08-19-2006
Base:	RG	**Eff. Date:**	10-02-2017	**Leads:**	9#14		

Specs

Catalog Number:	ECP3764T	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Inverter Duty
Frame:	213T	**KVA Code:**	K
Frame Material:	Iron	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	0738M
XP Division:	Division II	**Mounting Arrangement:**	F1
Agency Approvals:	CSA EEV	**Power Factor:**	70
	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:	1.8	**Shaft Rotation:**	Reversible
Current @ Voltage:	4.500 A @ 460.0 V	**Shaft Slinger Indicator:**	Shaft Slinger
	9.000 A @ 230.0 V	**Speed Code:**	Single Speed
Design Code:	B	**Motor Standards:**	NEMA
Drip Cover:	No Drip Cover	**Starting Method:**	Direct on line
Duty Rating:	CONT	**Thermal Device - Bearing:**	None
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Winding:**	None
Feedback Device:	NO FEEDBACK	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Face Code:	Standard	**Winding Thermal 1:**	None
Front Shaft Indicator:	None	**Winding Thermal 2:**	None
Heater Indicator:	No Heater	**XP Temp Code:**	T3C

Nameplate NP3257E

CAT.NO.	ECP3764T						
SPEC.	07K374X822G1						
HP	3 TE						
VOLTS	230/460						
AMP	9/4.5						
RPM	1165						
FRAME	213T	**HZ**	60			**PH**	3
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F
RATING	40C AMB-CONT						
SN							
DE	6307	**ODE**	6307				
NEMA-NOM-EFF	90.2	**PF**	70				
G.MIN.EFF	88.5	**CC**	010A				
T. CODE	T3C	**T=**	160				

Nameplate NP3260E

SPEC.	07K374X822G1		
D.E. BRG.	35BC03XP30X		
O.D.E. BRG.	35BC03XP30X		
GREASE	POLYREX EM		
RPM MAX	1800	MAX. KVAR	N/A
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.8	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 # 47059 - Typical performance - not guaranteed values

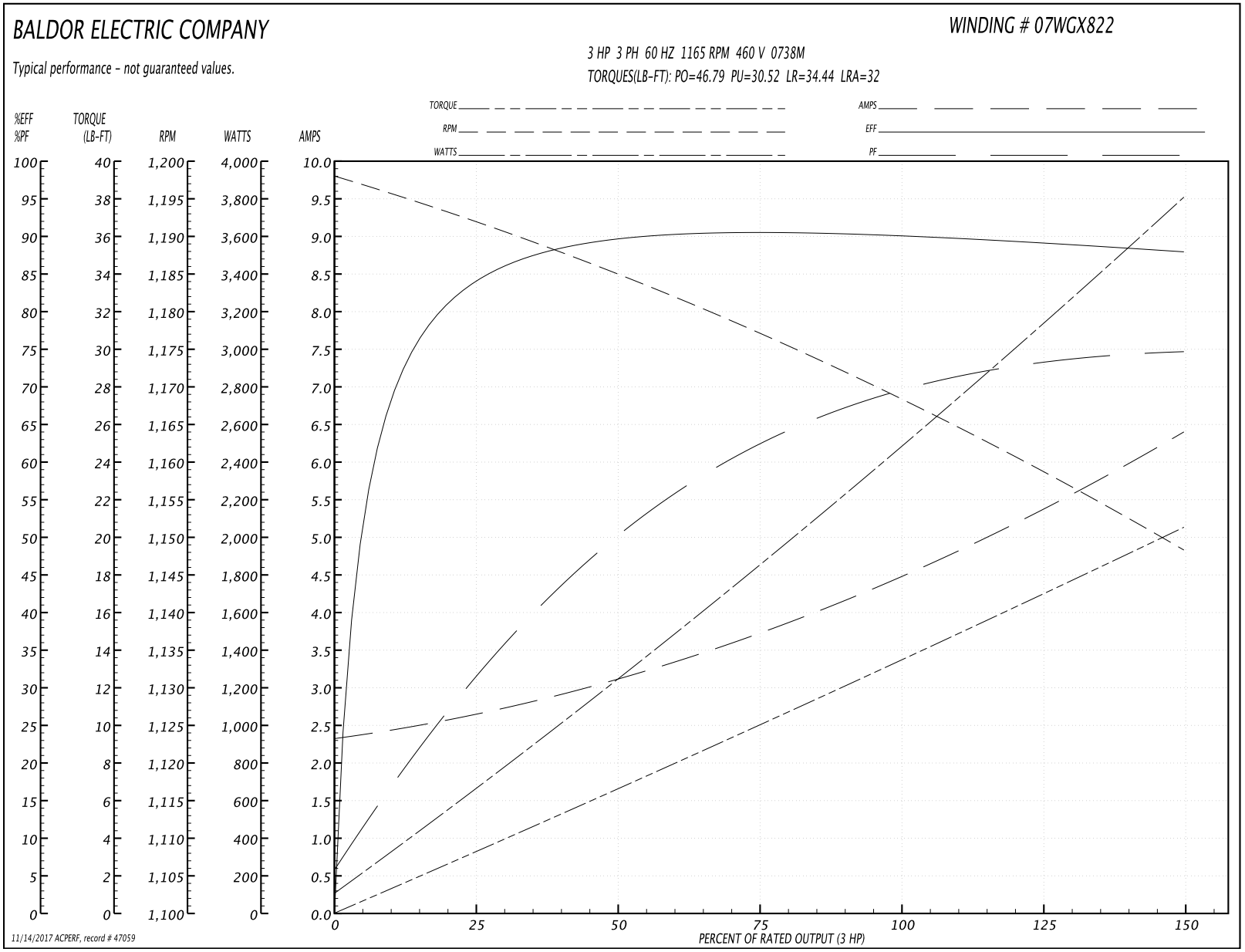
Winding: 07WGX822-R032	**Type:** 0738M	**Enclosure:** TEFC

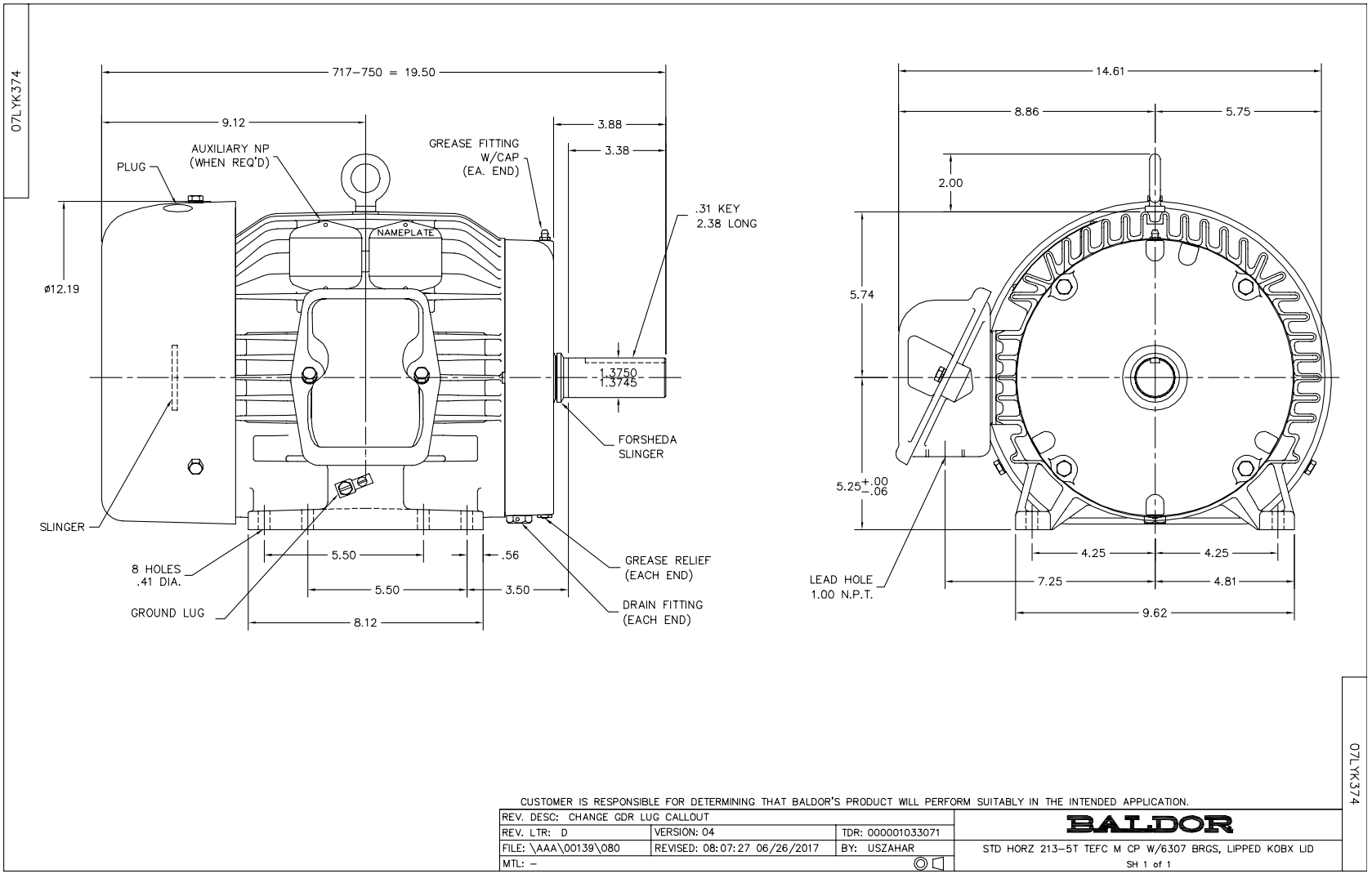
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	13.46 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	9/4.5			Breakdown Torque	46.79 LB-FT
R.P.M.	1165			Pull-up Torque	30.52 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.44 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32 A
Service Factor (S.F.)	1.15			No-load Current	2.35 A
NEMA Nom. Eff.	90.2	Power Factor	70	Line-line Res. @ 25ºC	2.62 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	31°C
S.F. Amps				Temp. Rise @ S.F. Load	37°C
				Locked-rotor Power Factor	22.7
				Rotor inertia	0.945 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	51	62	69	73	75	72
Efficiency	83.1	88.7	90.7	90.3	89.4	87.7	89.6
Speed	1191	1184	1176	1170	1160	1147	1162
Line amperes	2.62	3.11	3.75	4.51	5.38	6.39	5

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





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

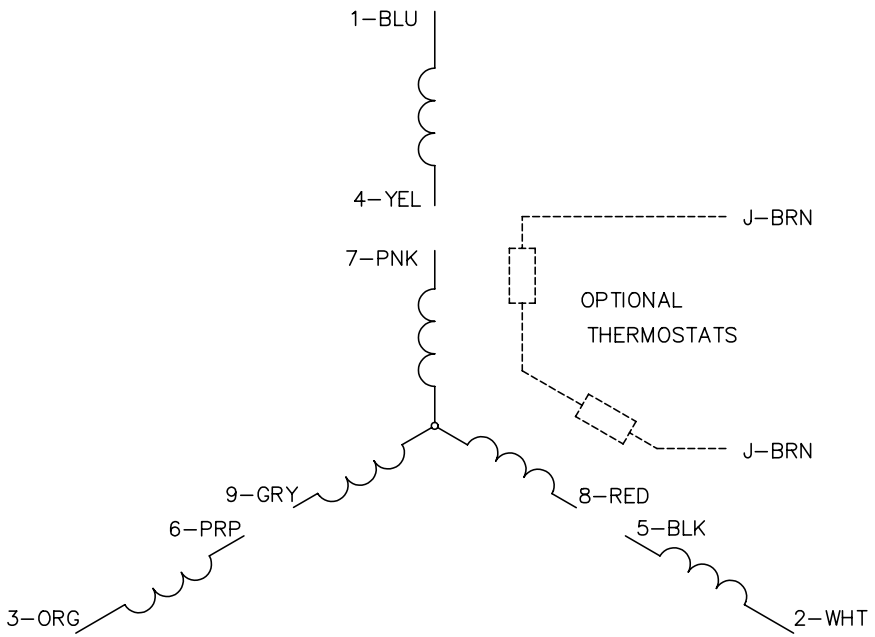
REV. DESC: CHANGE GDR LUG CALLOUT		
REV. LTR: D	VERSION: 04	TDR: 000001033071
FILE: \AAA\00139\080	REVISED: 08:07:27 06/26/2017	BY: USZAHAR
MTL: –		

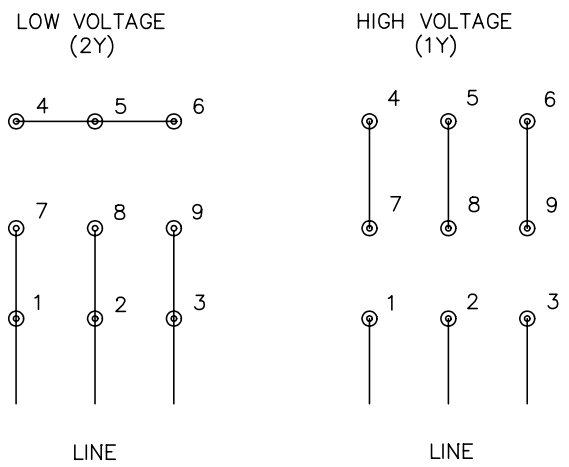
BALDOR

STD HORZ 213–5T TEFC M CP W/6307 BRGS, LIPPED KOBX LID

SH 1 of 1

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