

BALDOR® • RELIANCE

Product Information Packet

VECP3764T

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

Part Detail

Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGX822	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	07K370	Layout:	07LYK370	Poles:	06	Created Date:	08-02-2006
Base:	N	Eff. Date:	06-27-2017	Leads:	9#14		

Specs

Catalog Number:	VECP3764T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Duty
Frame:	213TC	KVA Code:	K
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	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:	CLI GP A,B,C,D	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:	C-Face
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	No Mounting	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:	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.	VECP3764T									
SPEC.	07K370X822G1									
HP	3	TE								
VOLTS	230/460									
AMP	9/4.5									
RPM	1165									
FRAME	213TC					HZ	60			
SER.F.	1.15			CODE	K	DES			B	
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				

PH	3
CL	F

Nameplate NP3260E

SPEC.	07K370X822G1		
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

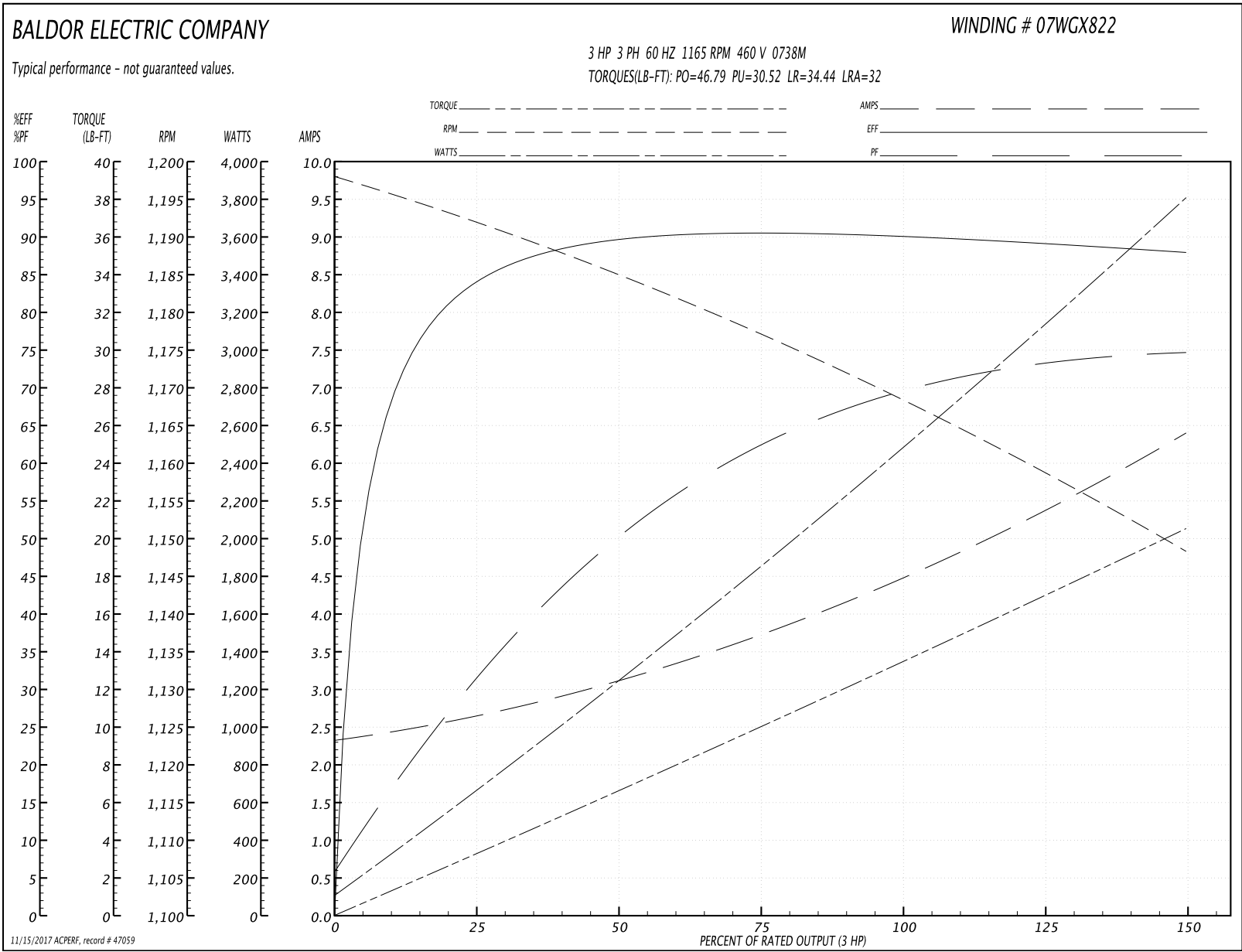
Winding: 07WGX822-R032	Type: 0738M	Enclosure: TEFC
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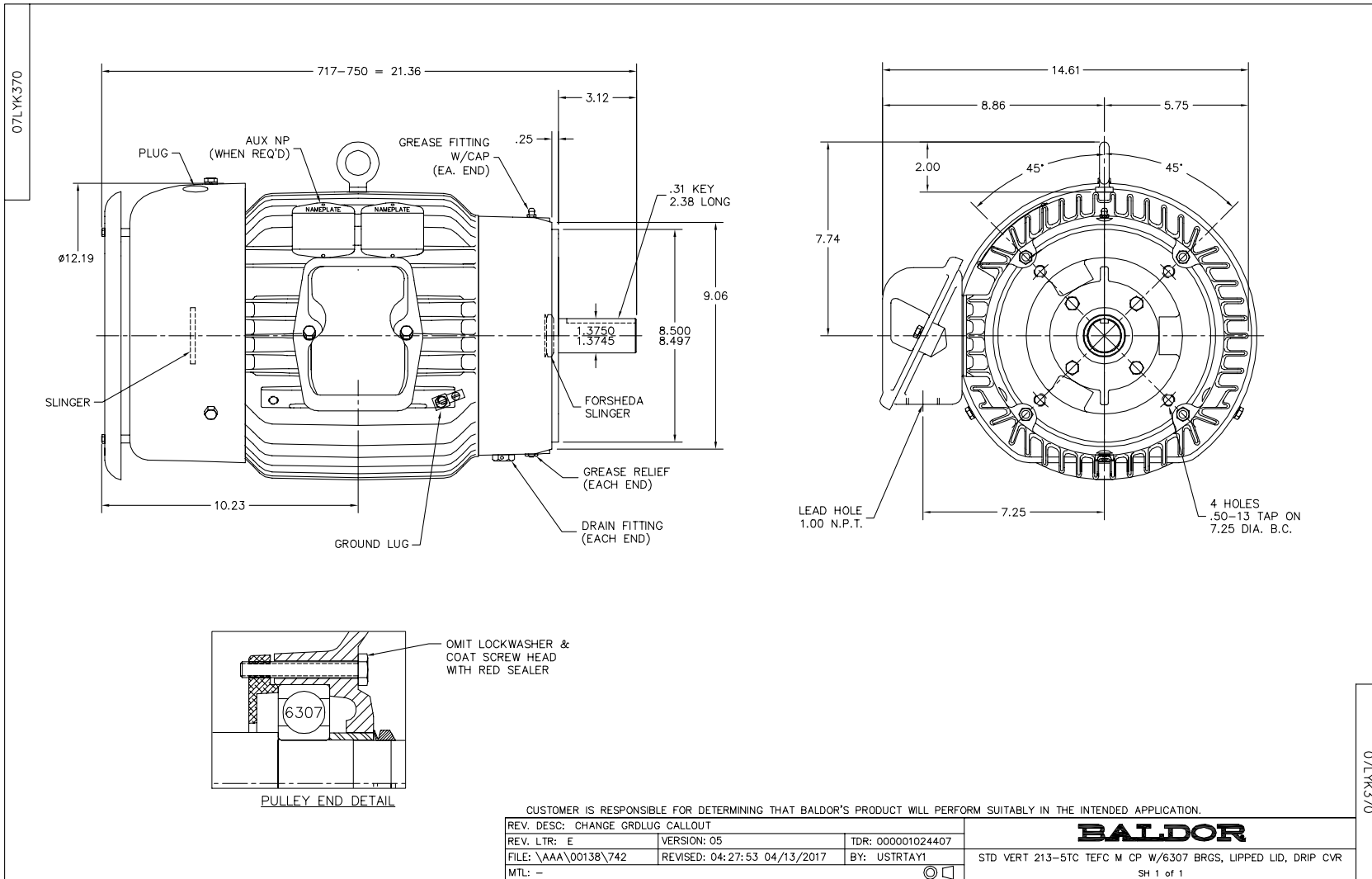
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	13.46 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	9/4.5			Breakdown Torque	46.79 LB-FT
R.P.M.	1165			Pull-up Torque	30.52 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.44 LB-FT
NEMA 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. @ 25°C	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-FT ²

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

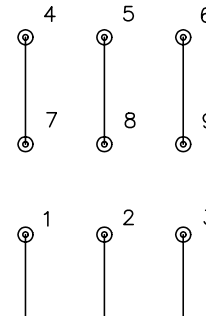




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005