



Product Information Packet

CECP83774T-4

10HP,1760RPM,3PH,60HZ,215TC,0748M,TEFC,F

Part Detail							
Revision:	AB	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGX813	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	07M320	Layout:	07LYM320	Poles:	04	Created Date:	08-30-2012
Base:	RG	Eff. Date:	08-04-2022	Leads:	3#14		

Specs			
Catalog Number:	CECP83774T-4	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Duty
Frame:	215TC	KVA Code:	H
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 14 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Ring Terminals
XP Class and Group:	CLI GP A,B,C,D	Motor Type:	0748M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	83
	CSA EEV	Product Family:	Chem Process S/P 32-8 IEEE 841
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Constant Torque Speed Range:	1.3	Shaft Rotation:	Reversible
Current @ Voltage:	12.200 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Enclosure Modification:	841	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 NP4328E

CAT.NO.	CECP83774T-4			
SPEC.	07M320X813G1			
HP	10	TE	IP	56
VOLTS	460			
AMPS	12.5			
R.P.M.	1765			
FRAME	215TC		HZ	60
SER.F.	1.15	CODE	H	DES. B
RATING	40C AMB-CONT			
SN				
DE	6307		ODE	6307
NEMA NOM. EFF.	91.7		P.F.	81
GUAR. MIN. EFF.	90.2		CC	010A
T. CODE	T3C		TEMP=	160

PH 3

CLASS F

Nameplate NP3186E

SPEC.	07M320X813G1		
ABMA DE BRG	35BC03X30X		
ABMA ODE BRG	35BC03X30X		
GREASE	POLYREX EM		
MOTOR WEIGHT	231	ROTOR BARS	
MAX. R.P.M.	2700	MAX. KVAR	1.52
STATOR BARS	36		
INV.TYPE	PWM		
T=	160		
CHP	60	TO	90
CT	1.3	TO	60
VT	0-	TO	60
HTR-VOLTS	N/A	HTR-AMPS	N/A
HTR-WATTS		MAX. SPACE HEATER TEMP.	N/A

AC Induction Motor Performance Data

Record # 92588

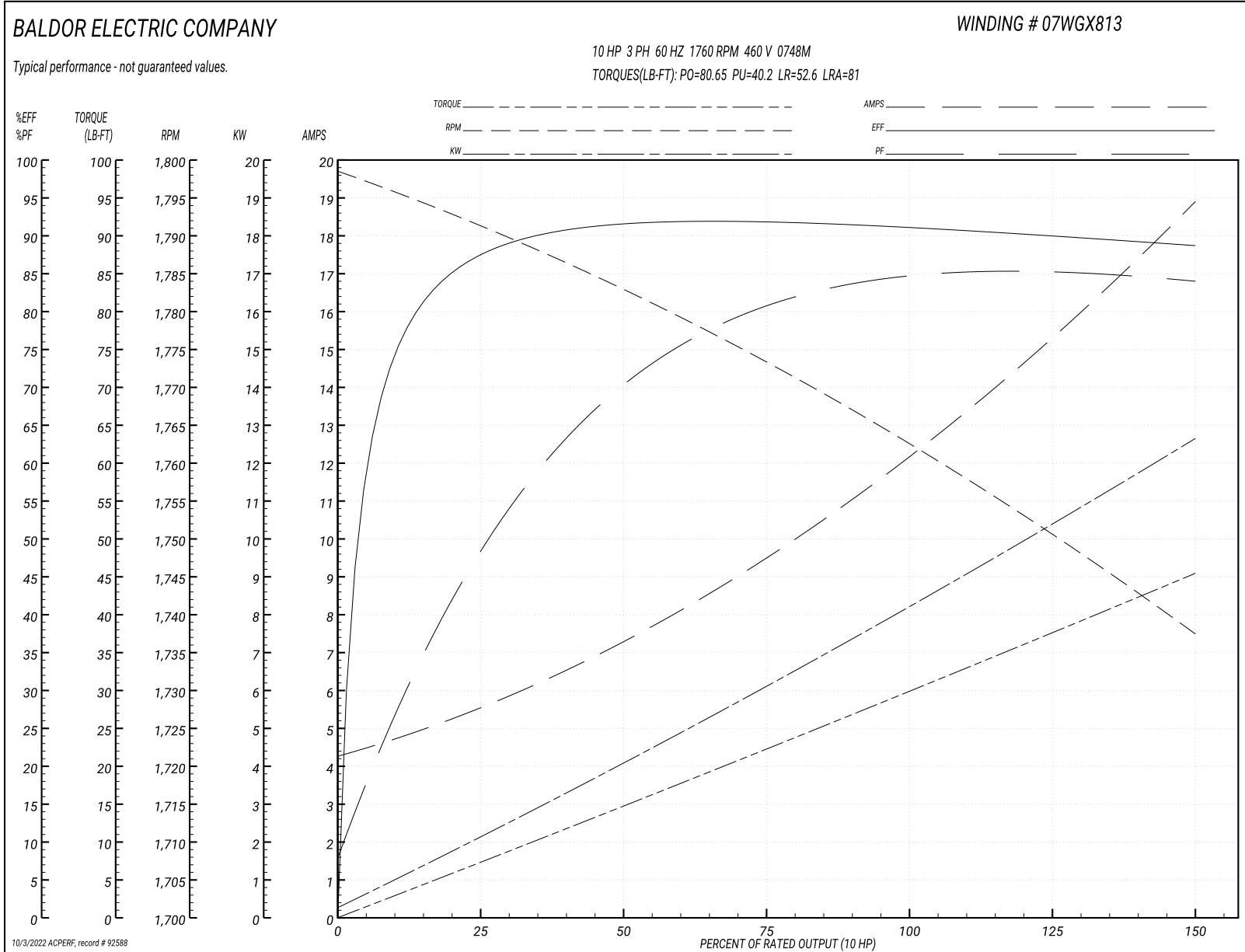
Typical performance - not guaranteed values

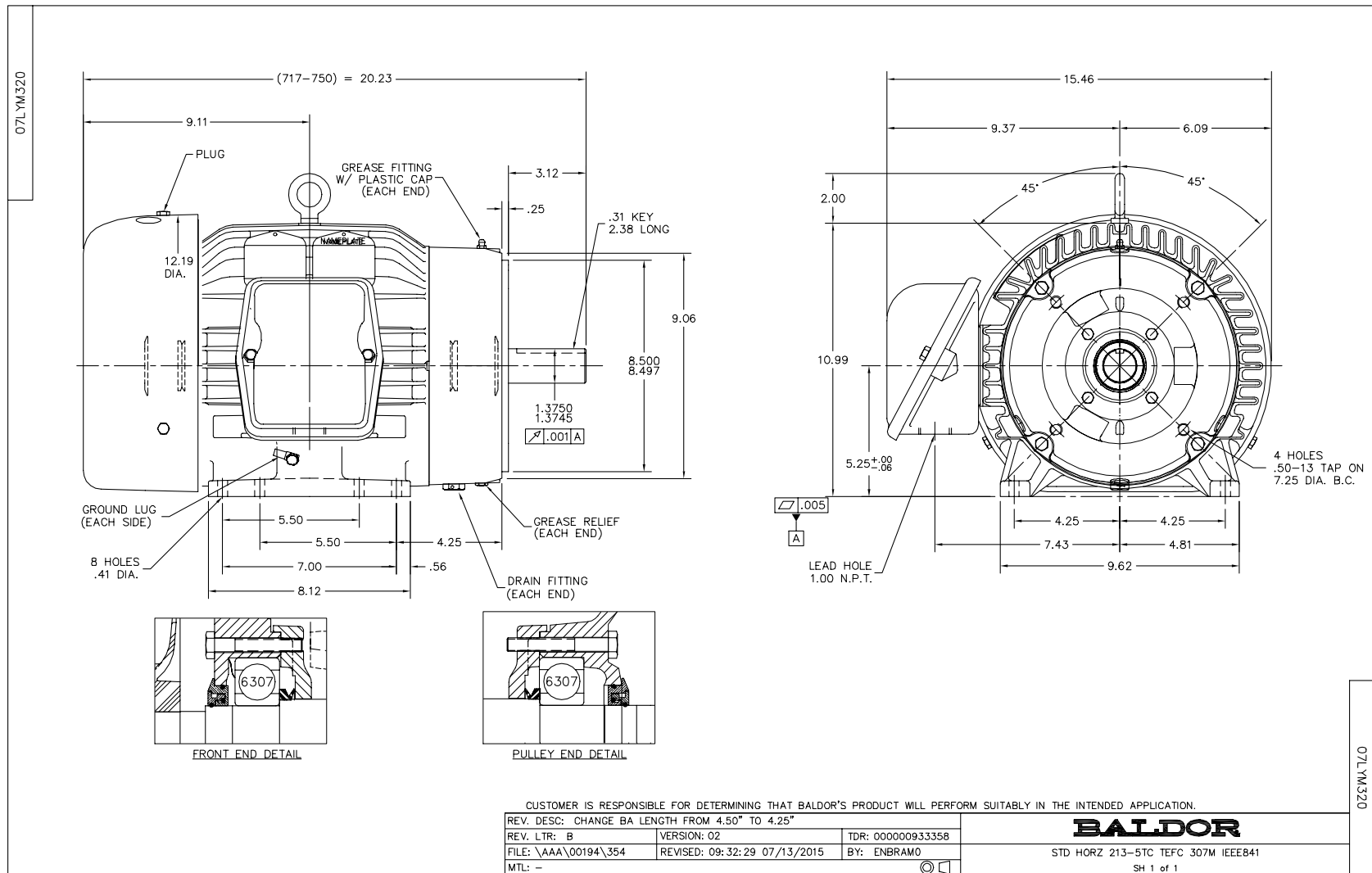
Winding: 07WGX813-R059			Type: 0748M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		10	Full Load Torque		29.85 LB-FT
Volts		460	Start Configuration		direct on line
Full Load Amps		12.2	Breakdown Torque		80.65 LB-FT
R.P.M.		1760	Pull-up Torque		40.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	52.6 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	81 A
Service Factor (S.F.)		1.15	No-load Current		4.45 A
NEMA Nom. Eff.	91.7	Power Factor	83	Line-line Res. @ 25°C	1.08 Ω
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C
				Locked-rotor Power Factor	35.1
				Rotor inertia	1.18 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	72	80	83	85	85	84
Efficiency	87.3	90.8	91.7	91.7	90.2	88.5	91
Speed	1791	1782	1774	1763	1751	1737	1756
Line amperes	5.29	7.18	9.54	12.29	15.36	18.81	14

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

3-ORG

2-WHT

J-BRN

J-BRN

OPTIONAL THERMOSTATS

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

2-WHT

3-ORG

J-BRN

J-BRN

OPTIONAL THERMOSTATS

1

2

3

LINE

NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.

2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.

4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1

Page 9 of 8