



Product Information Packet

CEM3714T

10HP,1770RPM,3PH,60HZ,215TC,3752M,TEFC,F

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGL865	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37G814	Layout:	37LYG814	Poles:	04	Created Date:	11-11-2020
Base:	RG	Eff. Date:	12-14-2020	Leads:	9#14		

Specs			
Catalog Number:	CEM3714T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	215TC	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	K
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3752M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	85
	CSA EEV	Product Family:	General Purpose
	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)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	27.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	25.000 A @ 230.0 V	Shaft Rotation:	Reversible
	12.500 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	A	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
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	CEM3714T										
SPEC	37G814L865G1										
HP	10										
VOLTS	230/460										
AMPS	25/12.5										
RPM	1770										
FRAME	215TC				HZ	60				PH	3
SF	1.15		CODE	K	DES	A		CLASS	F		
NEMA NOM. EFF	91.7			PF	85						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V						27	
ENCL	TEFC		SER								
DE	6307			ODE	6206						
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50HZ 10HP 190/380V 29.8/14.9A										

AC Induction Motor Performance Data

Record # 85459

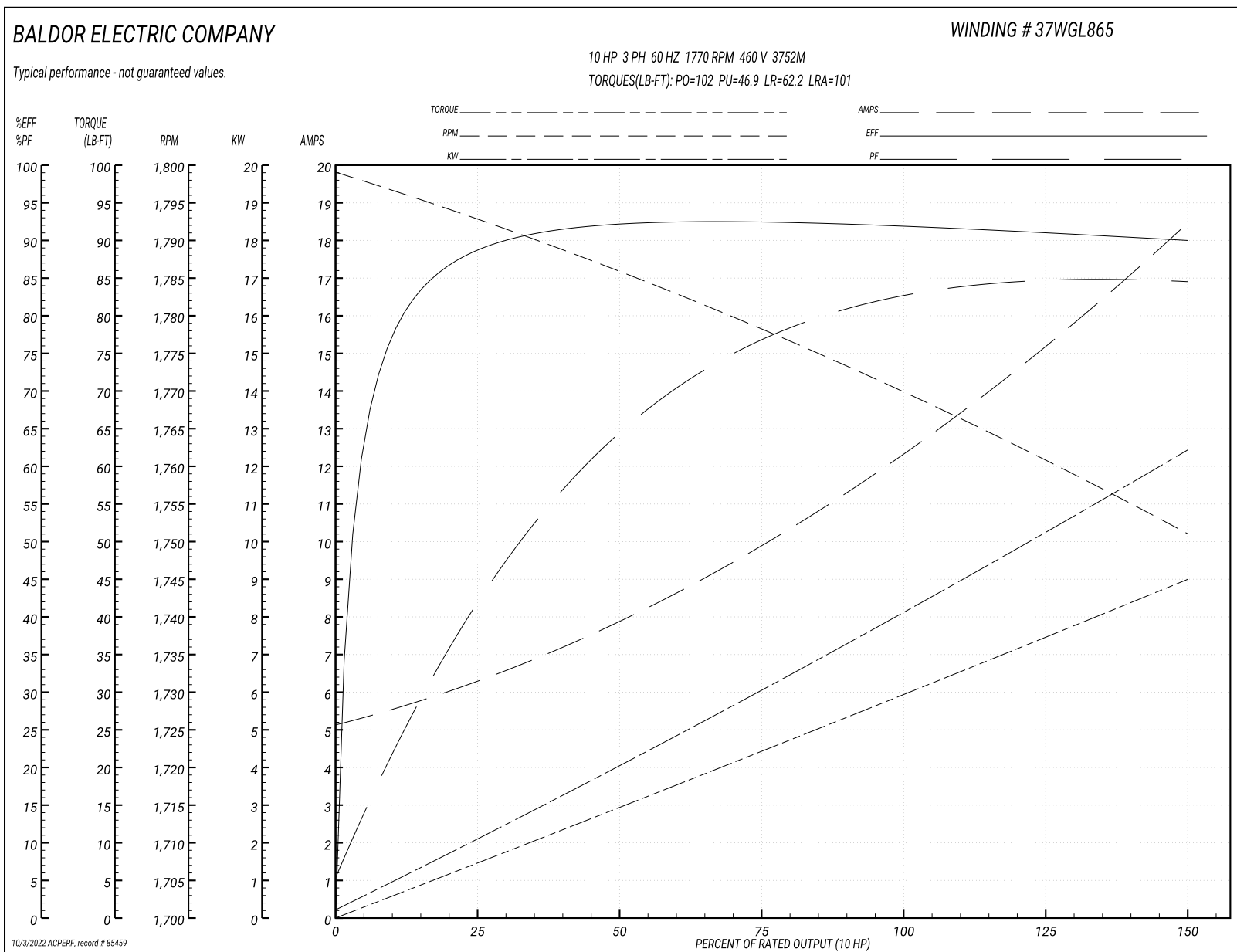
Preliminary Data Sheet

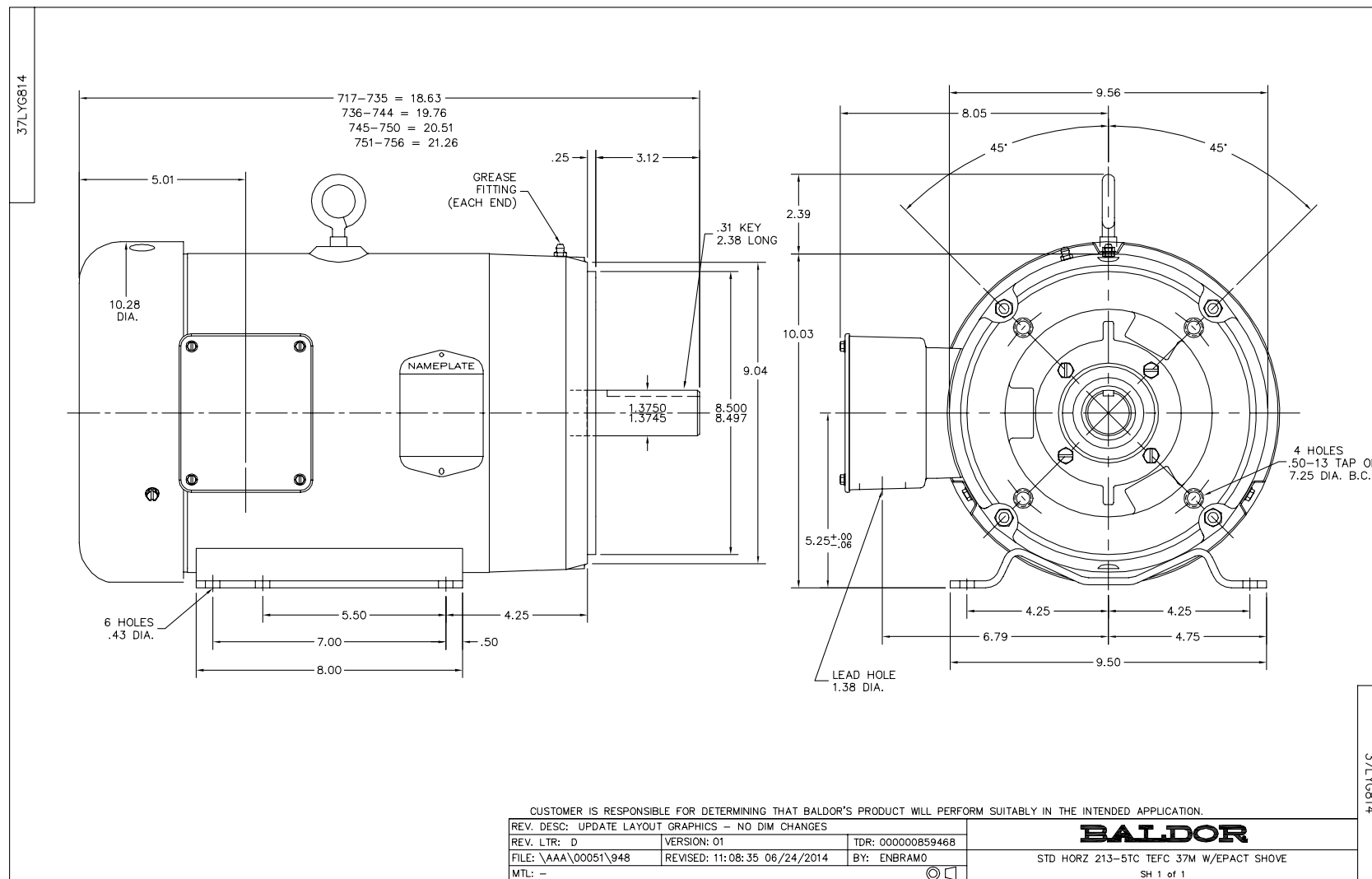
Winding: 37WGL865-R001			Type: 3752M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		29.7 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		25.0/12.5	Breakdown Torque		102 LB-FT		
R.P.M.		1770	Pull-up Torque		46.9 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		62.2 LB-FT	
NEMA Design Code		A	KVA Code	K	Starting Current		101 A
Service Factor (S.F.)		1.15		No-load Current		5.33 A	
NEMA Nom. Eff.		91.7	Power Factor	85	Line-line Res. @ 25°C		0.982 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		69°C	
S.F. Amps		28.4/14.2		Temp. Rise @ S.F. Load		92°C	
				Locked-rotor Power Factor		42	
				Rotor inertia		1.28 lb-ft²	

Load Characteristics 460 V, 60 Hz, 10 HP

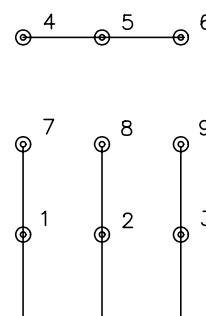
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	82	84	85	84
Efficiency	88.7	92.3	92.7	92.2	91.3	90	91.4
Speed	1793	1786	1778	1770	1761	1751	1762
Line amperes	6.05	7.73	9.9	12.5	15.3	18.3	14.1

Performance Graph at 460V, 60Hz, 10.0HP 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