



Product Information Packet

CEM3774T-5

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

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGY729	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	07H058	Layout:	07LYH058	Poles:	04	Created Date:	05-07-2010
Base:	RG	Eff. Date:	02-21-2022	Leads:	3#14		

Specs			
Catalog Number:	CEM3774T-5	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
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:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	0748M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	83
	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)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	9.800 A @ 575.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441L

CAT.NO.	CEM3774T-5											
SPEC.	07H058Y729G1											
HP	10											
VOLTS	575											
AMP	9.8											
RPM	1760											
FRAME	215TC					HZ	60				PH	3
SER.F.	1.15			CODE	H		DES	B		CL	F	
NEMA-NOM-EFF	91.7				PF	83						
RATING	40C AMB-CONT											
CC	010A						USABLE AT 208V					
DE	6307					ODE	6206					
ENCL	TEFC				SN							
VPWM INVERTER READY												
CT6-60H(10:1)VT3-60H(20:1												
	SFA 11.2											

AC Induction Motor Performance Data

Record # 89235

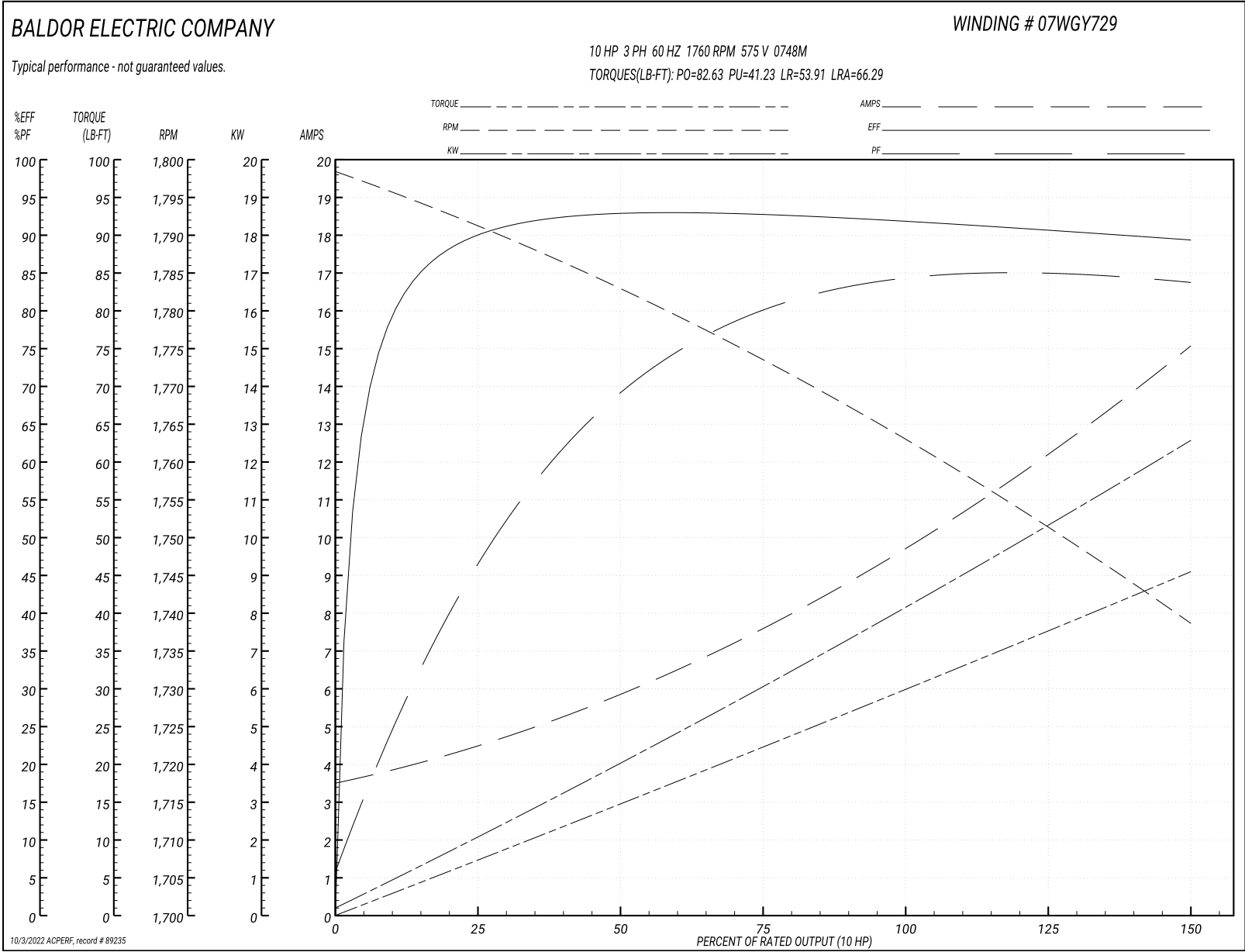
Typical performance - not guaranteed values

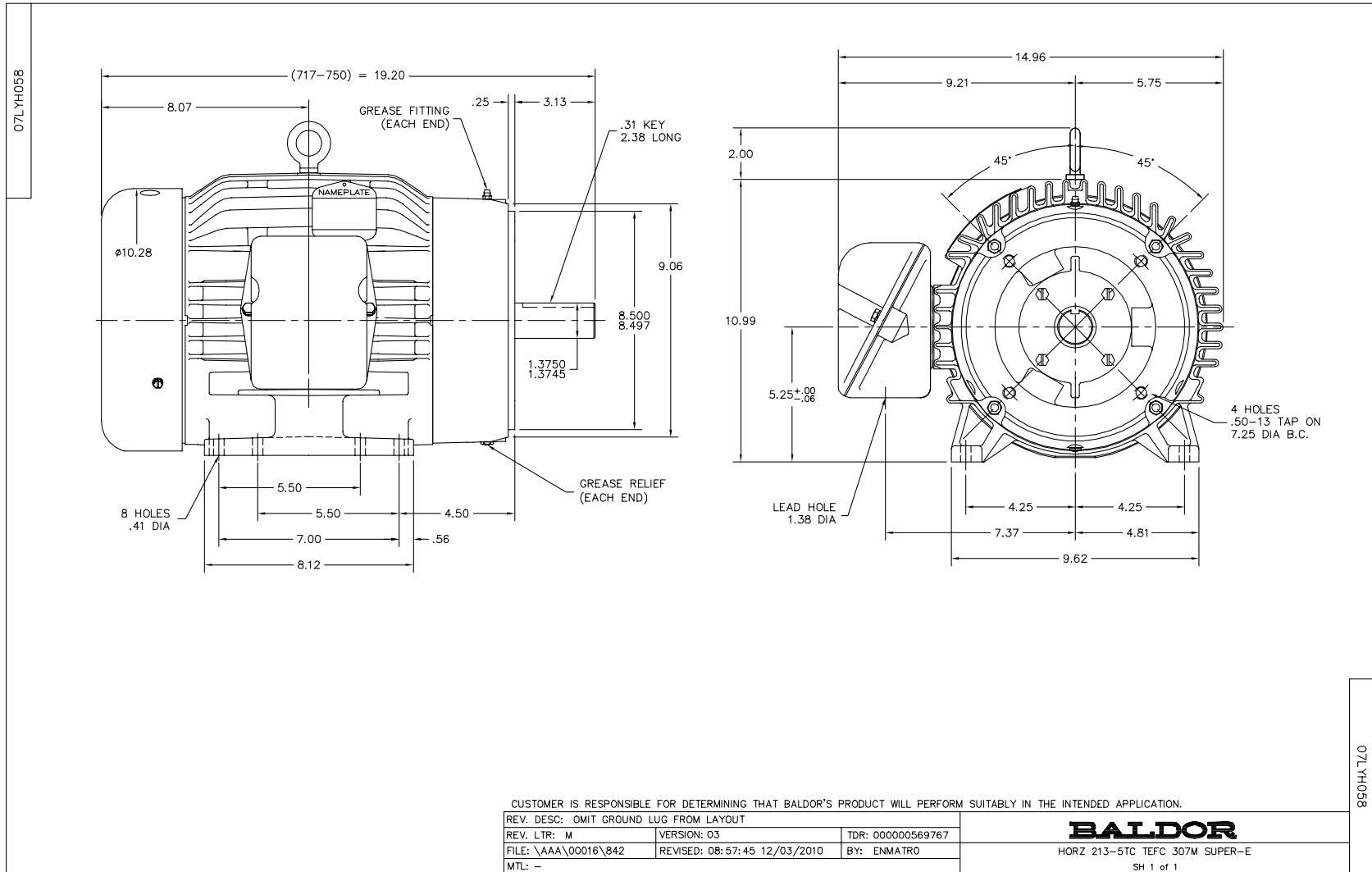
Winding: 07WGY729-R002			Type: 0748M	Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		10	Full Load Torque		29.77 LB-FT
Volts		575	Start Configuration		direct on line
Full Load Amps		9.8	Breakdown Torque		82.63 LB-FT
R.P.M.		1760	Pull-up Torque		41.23 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	53.91 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	66.29 A
Service Factor (S.F.)		1.15	No-load Current		3.65 A
NEMA Nom. Eff.	91.7	Power Factor	83	Line-line Res. @ 25°C	1.68 Ω
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load	64°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C
				Locked-rotor Power Factor	35.3847
				Rotor inertia	1.18 lb-ft²

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	49	70	79	83	85	84	84
Efficiency	90.1	91.9	92.6	92.1	90.9	89.1	91.4
Speed	1791	1782	1774	1764	1752	1738	1757
Line amperes	4.28	5.74	7.6	9.79	12.21	15.01	11.2

Performance Graph at 575V, 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.

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

CD0006

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