

BALDOR® • RELIANCE 

Product Information Packet

CEWDM3711T

10HP,3490RPM,3PH,60HZ,215TC,3728M,TEFC,F

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS864	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37H887	Layout:	37LYH887	Poles:	02	Created Date:	12-29-2010
Base:	RG	Eff. Date:	09-06-2019	Leads:	9#14		

Specs			
Catalog Number:	CEWDM3711T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Duty
Frame:	215TC	KVA Code:	G
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 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:	3730M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	88
	CSA EEV	Product Family:	Wash Down
	CSA	Pulley End Bearing Type:	Sealed Bearing
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

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Current @ Voltage:	11.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	23.200 A @ 230.0 V	Shaft Rotation:	Reversible
	24.900 A @ 208.0 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
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
Heater Indicator:	No Heater	Winding Thermal 2:	None

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Nameplate NP1669L										
CAT.NO.	CEWDM3711T									
SPEC.	37H887S864G1									
HP	10									
VOLTS	230/460									
AMP	23.2/11.6									
RPM	3490									
FRAME	215TC				HZ	60			PH	3
SER.F.	1.15			CODE	G	DES	B		CLASS	F
NEMA-NOM-EFF	90.2			PF	88					
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			24.9		
DE	6307				ODE	6206				
ENCL	TEFC			SN						
BLANK	10:1CT, 20:1VT									

Parts List		
Part Number	Description	Quantity
SA214691	SA 37H887S864G1	1.000 EA
RA201893	RA 37H887S864G1	1.000 EA
36FN3000C02SP	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3005A04W	CASTING W/.75 NPT@6(MACH WHITE)	1.000 EA
37GS1025	37 MOLDED GASKET W/LIP, LEAD SEAL	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GR SR (WHITE)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A23MW	WHITE EPOXY EP MACH COMPL	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B51	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
07FH4011	WASHDOWN IEC FH W/PRIMED	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HW4600B74	V-RING SLINGER 1.125 X 1.445 X .24 VITON	1.000 EA
HW4600B31SP	V-RING SLINGER 1.438 X 1.758 X .24 VITON	1.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA

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Parts List (continued)		
Part Number	Description	Quantity
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.028 GA
HA3104S14	300UBOLT 12.125LG SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 1/21	1.000 EA

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AC Induction Motor Performance Data

Record # 53399

Typical performance - not guaranteed values

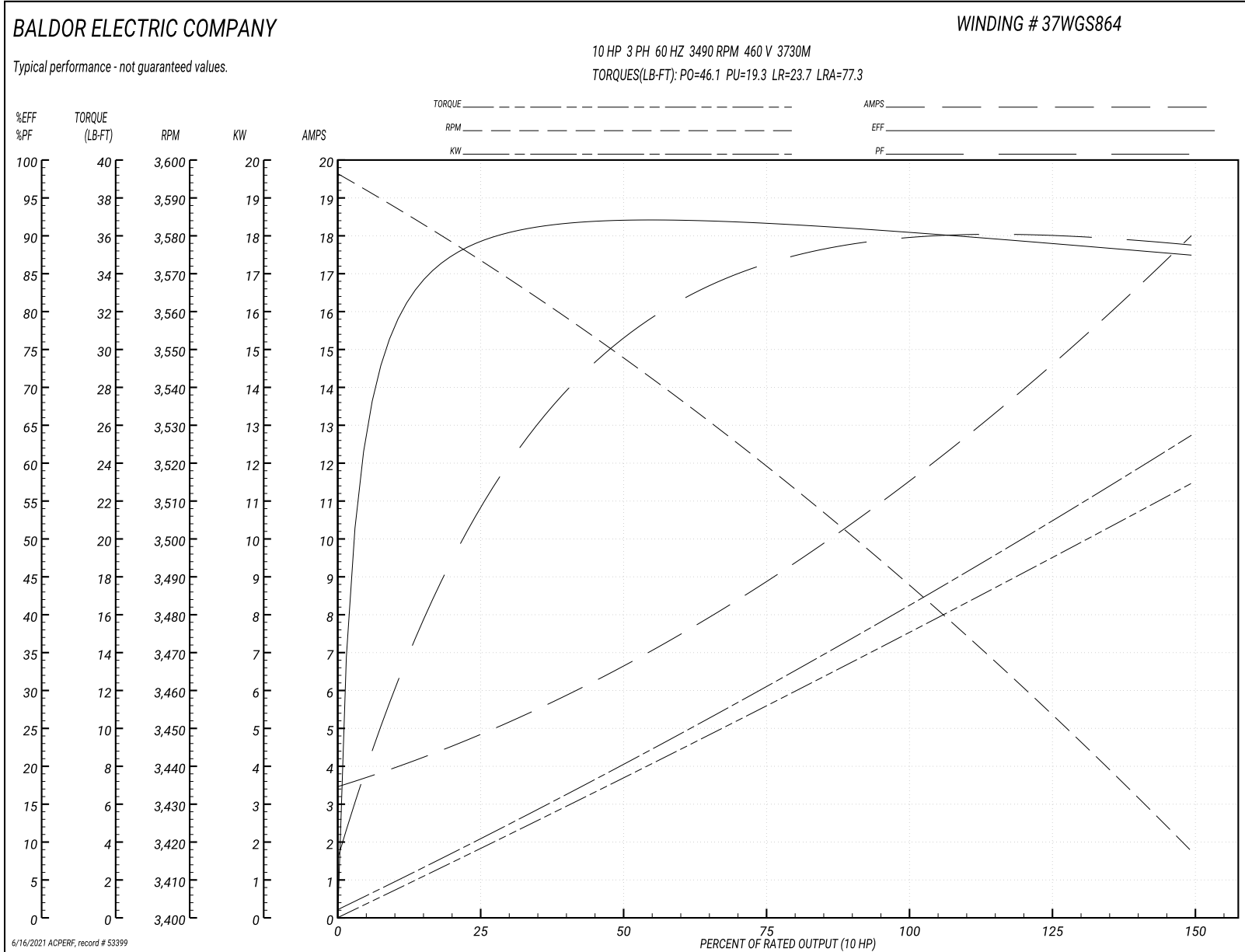
Winding: 37WGS864-R028		Type: 3730M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	14.94 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	23.2/11.6	Breakdown Torque	46.1 LB-FT		
R.P.M.	3490	Pull-up Torque	19.3 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	23.7 LB-FT	
NEMA Design Code	B KVA Code	G	Starting Current	77.3 A	
Service Factor (S.F.)	1.15		No-load Current	3.66 A	
NEMA Nom. Eff.	90.2	Power Factor	88		
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	78°C	
S.F. Amps			Temp. Rise @ S.F. Load	97°C	
			Locked-rotor Power Factor	33.7	
			Rotor inertia	0.273 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	78	85	88	90	89	88
Efficiency	88.6	91.7	91.6	90.6	89.1	87.3	90
Speed	3573	3548	3520	3489	3455	3417	3464
Line amperes	4.56	6.49	8.9	11.6	14.6	17.9	13.5

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



AC Induction Motor Performance Data

Record # 59174

Typical performance - not guaranteed values

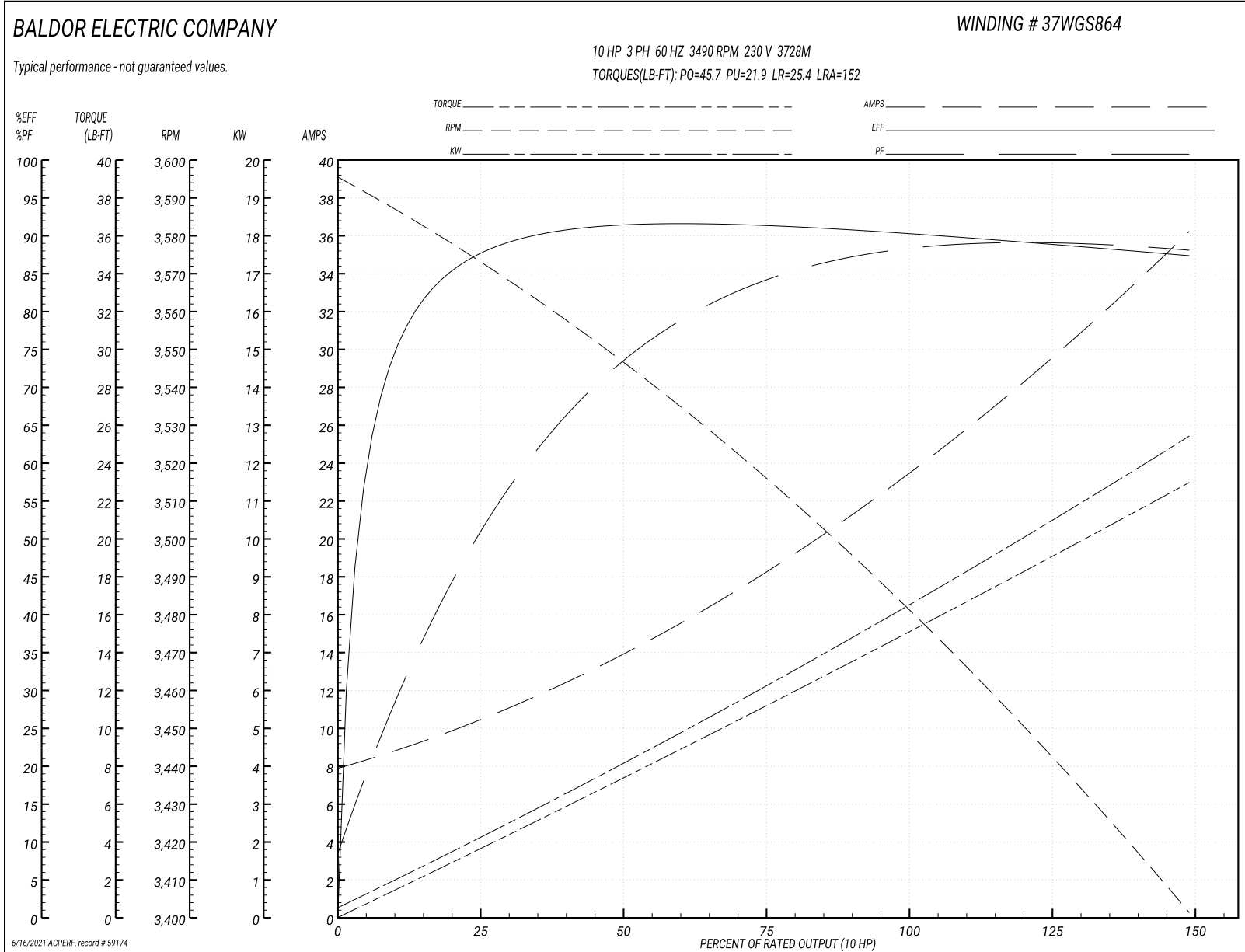
Winding: 37WGS864-R028		Type: 3728M		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	10	Full Load Torque	15 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	23.6/11.8	Breakdown Torque	45.7 LB-FT		
R.P.M.	3490	Pull-up Torque	21.9 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	25.4 LB-FT	
NEMA Design Code	B KVA Code	G	Starting Current	152 A	
Service Factor (S.F.)	1.15		No-load Current	8.25 A	
NEMA Nom. Eff.	90.2	Power Factor	87	Line-line Res. @ 25°C	0.248 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	79°C	
S.F. Amps			Temp. Rise @ S.F. Load	98°C	
			Locked-rotor Power Factor	33.1	
			Rotor inertia	0.255 LB-FT ²	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	84	87	88	89	88
Efficiency	86.7	91	91.4	90.6	89.1	87.3	90
Speed	3575	3547	3516	3482	3445	3401	3464
Line amperes	9.88	13.7	18.2	23.6	29.5	36	27.1

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Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values



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AC Induction Motor Performance Data

Record # 69805

Typical performance - not guaranteed values

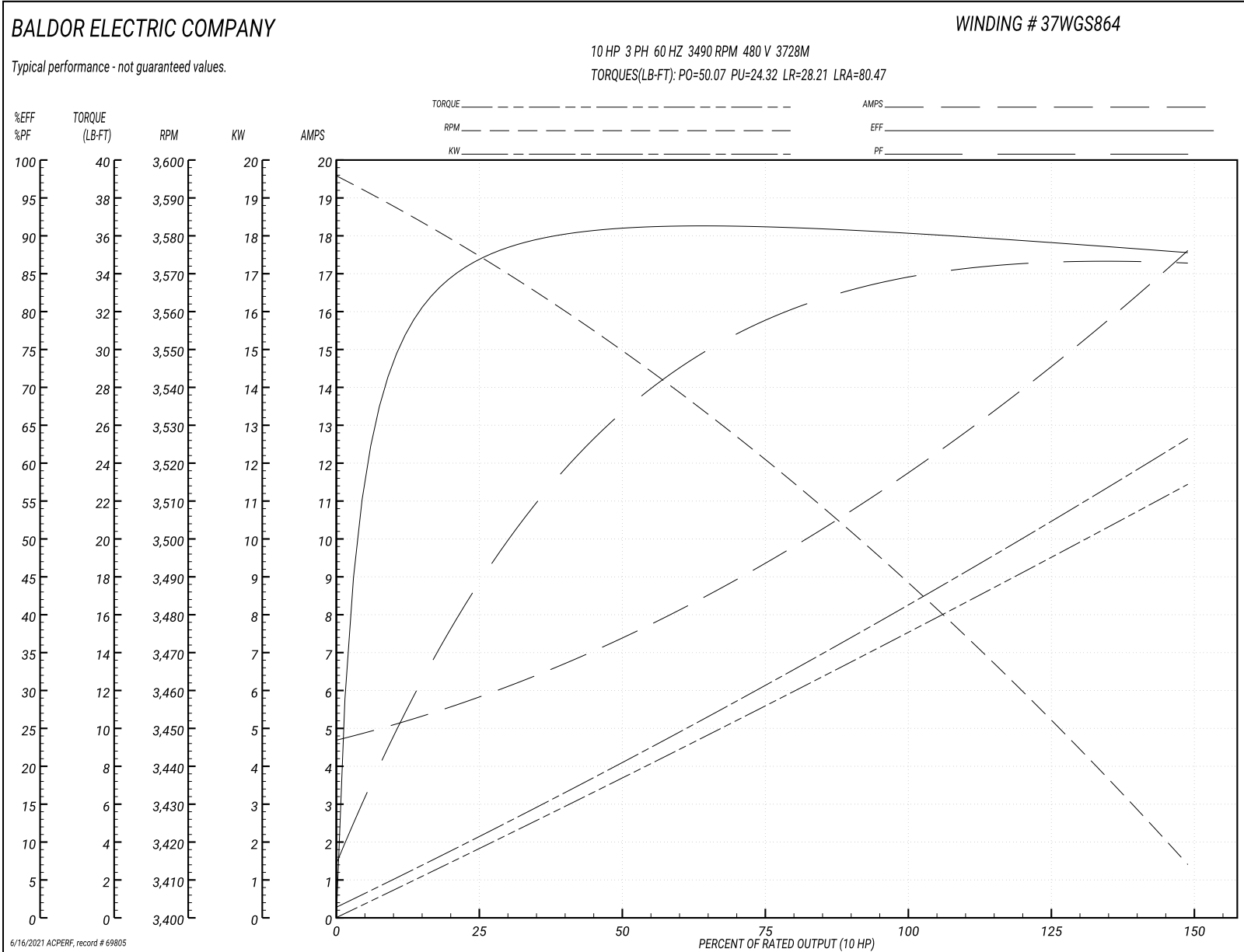
Winding: 37WGS864-R028		Type: 3728M		Enclosure: TEFC	
Nameplate Data			480 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	14.97 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	23.6/11.8	Breakdown Torque	50.07 LB-FT		
R.P.M.	3490	Pull-up Torque	24.32 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	28.21 LB-FT	
NEMA Design Code	B KVA Code	G	Starting Current	80.47 A	
Service Factor (S.F.)	1.15		No-load Current	4.85 A	
NEMA Nom. Eff.	90.2	Power Factor	87		
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	78°C	
S.F. Amps			Temp. Rise @ S.F. Load	97°C	
			Locked-rotor Power Factor	33.1	
			Rotor inertia	0.255 LB-FT ²	

Load Characteristics 480 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	67	78	83	86	87	85
Efficiency	85.9	90.5	91.2	90.5	89.3	87.6	89.8
Speed	3577	3550	3521	3489	3454	3414	3468
Line amperes	5.56	7.29	9.34	11.81	14.5	17.52	13.4

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Performance Graph at 480V, 60Hz, 10.0HP Typical performance - Not guaranteed values



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