

BALDOR • RELIANCE

Customer information packet

CESWDM3711T

10HP, 3500RPM, 3PH, 60HZ, 215TC, 3744M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	21.200 A @ 230.0 V 23.000 A @ 208.0 V 10.600 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	P
Type	AC
Mech. spec.	37H888
Base	
Status	PRD/A
Elec. spec.	37WGT383
Layout	37LYH888
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	02-17-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	10.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3744M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.81 IN
Power Factor	94
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP1669L									
CAT.NO.	CESWDM3711T								
SPEC.	37H888T383G1								
HP	10								
VOLTS	230/460								
AMP	21.2/10.6								
RPM	3500								
FRAME	215TC		HZ	60		PH	3		
SER.F.	1.15	CODE	L	DES	A	CLASS	F		
NEMA-NOM-EFF	91.7	PF	94						
RATING	40C AMB-CONT								
CC	010A								
DE	6307		ODE	6206					
ENCL	TEFC	SN							
BLANK									

Parts list

Part number	Description	Quantity
SA191060	SA 37H888T383G1	1.000 ea
RA178724	RA 37H888T383G1	1.000 ea
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 ea
37CB3005A04MU	K.O. BOX-MODEL 37.75 NPT LEAD	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
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3101A49MU	FR EP 37 L & M TEFC (FOR S.P. #9D)	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3300A25MU	FACE MT EP-ENCL-307 BRG-213TC-215TC NO G	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
HW4606A04	JM CLIPPER/SEAL (LWE-1376-2125-AL45)	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
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 ea
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 ea
37CB4514	37 CB LID - STAINLESS STEEL	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
HW4600B74	V-RING SLINGER 1.125 X 1.445 X .24 VITON	1.000 ea
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
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
36FN3000C02SP	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 ea
HA3104S17	THRUBOLT 13.250LG SS	4.000 ea

LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1669L	SS WD SUPER-E UL PREM REV MTG	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2100bx)4/22	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

AC Induction Motor Performance Data

Record # 57397

Typical performance - not guaranteed values

Winding: 37WGT383-R007		Type: 3744M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	10	Full Load Torque	15 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	21.2/10.6	Breakdown Torque	79 LB-FT		
R.P.M.	3500	Pull-up Torque	37 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	47 LB-FT	
NEMA Design Code	A KVA Code	L	Starting Current	115 A	
Service Factor (S.F.)	1.15		No-load Current	3.4 A	
NEMA Nom. Eff.	91.7	Power Factor	94	Line-line Res. @ 25°C	0.659 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	57°C	
S.F. Amps			Temp. Rise @ S.F. Load	70°C	
			Locked-rotor Power Factor	31.5	
			Rotor inertia	0.402 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	86	95	96	95	94	95
Efficiency	88.1	92	92.8	91.8	91	89.4	91.3
Speed	3578	3555	3533	3507	3479	3448	3490
Line amperes	4.2	6	8.1	10.6	13.5	16.4	12.3

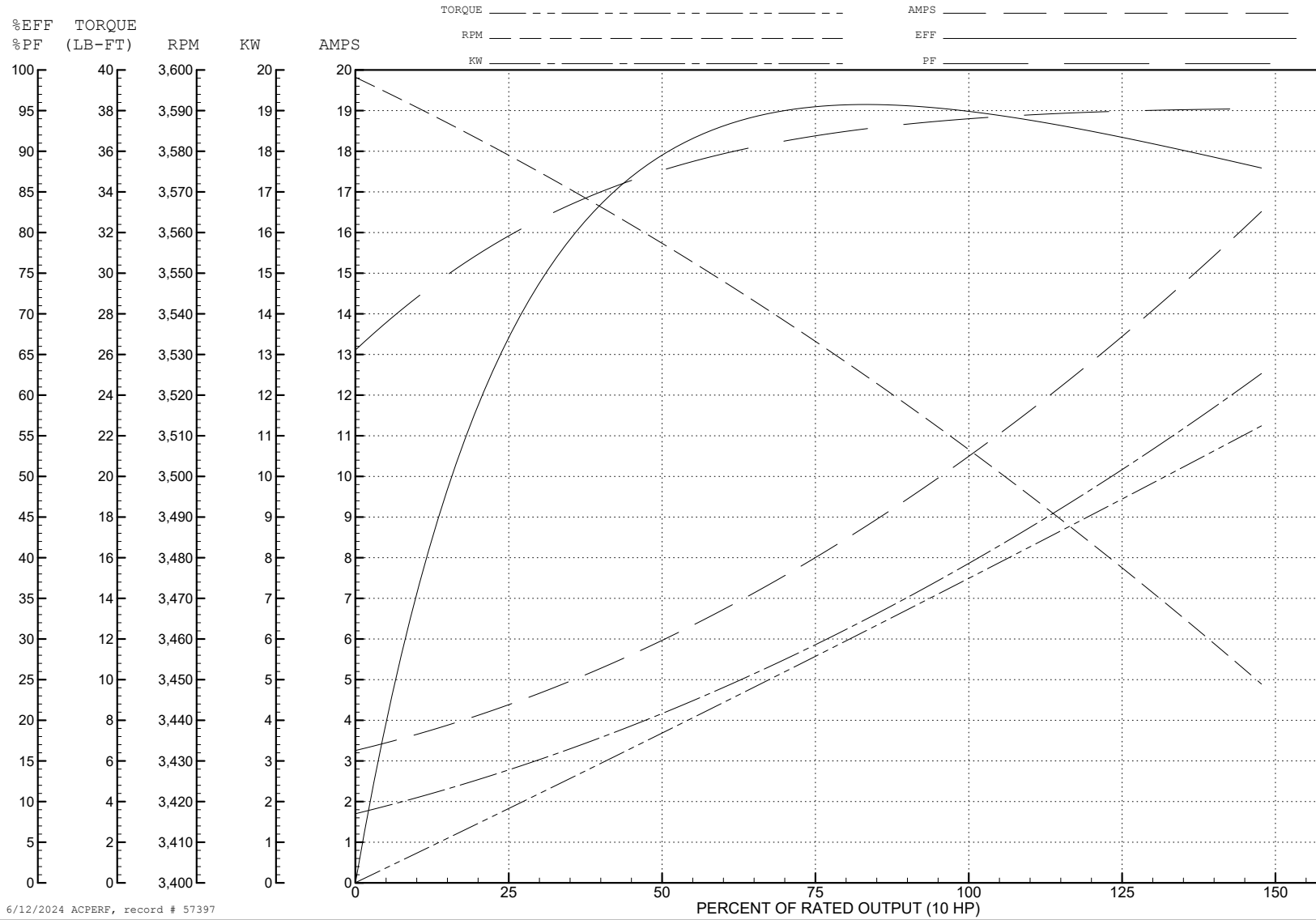
ABB Motors and Mechanical Inc.

WINDING # 37WGT383

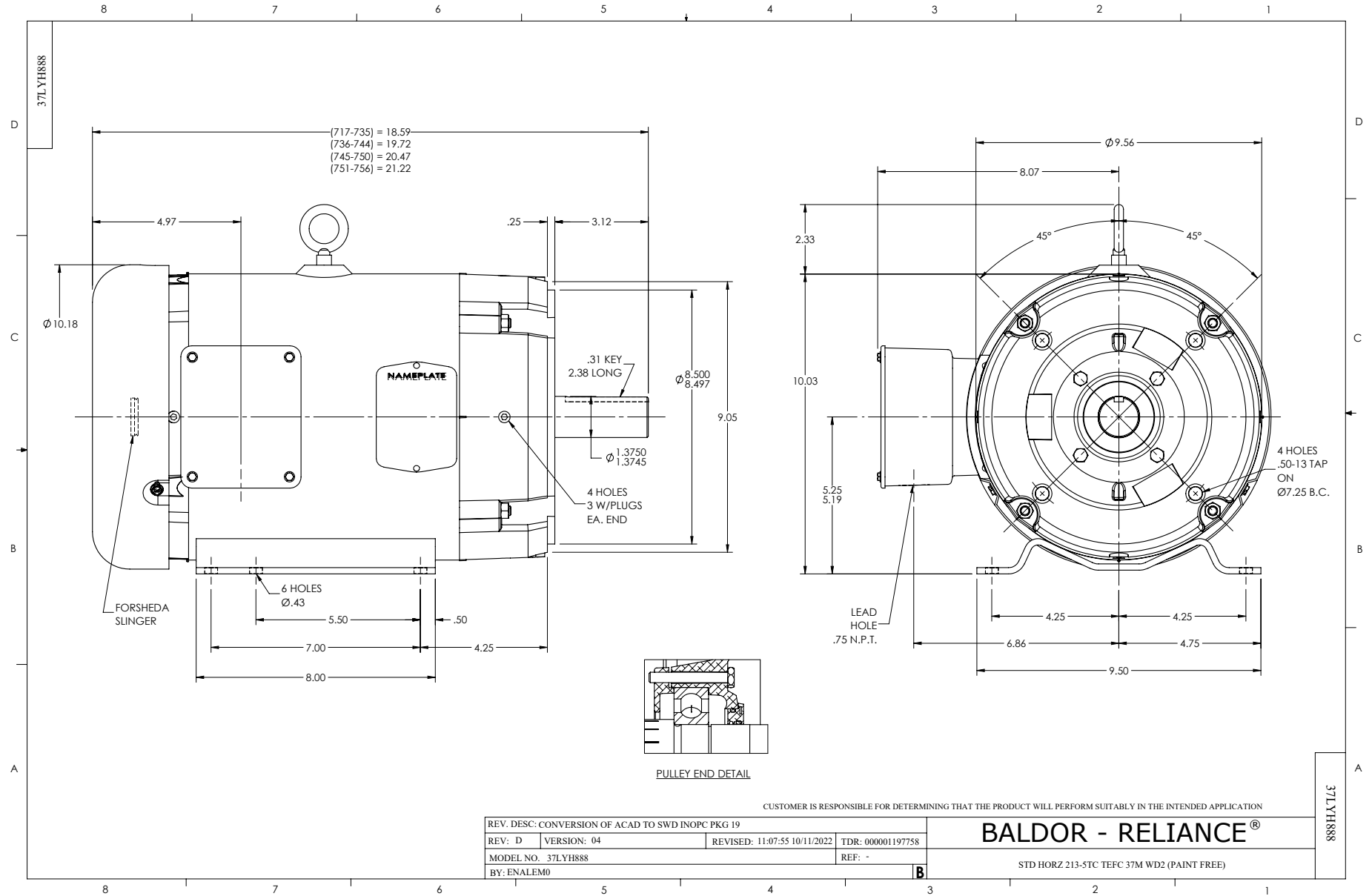
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 3500 RPM 460 V 3744M

TORQUES (LB-FT): PO=79 PU=37 LR=47 LRA=115



6/12/2024 ACPERF, record # 57397



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS