



Product Information Packet

CESSWDM3711T

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

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT383	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37J639	Layout:	37LYJ639	Poles:	02	Created Date:	07-19-2006
Base:	RG	Eff. Date:	03-31-2017	Leads:	9#14		

Specs			
Catalog Number:	CESSWDM3711T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	215TC	KVA Code:	L
Frame Material:	Stainless 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:	3744M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	94
	UR	Product Family:	Wash Down All Stainless Steel
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	10.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

	21.200 A @ 230.0 V	Shaft Rotation:	Reversible
	23.000 A @ 208.0 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 (OLD)
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

Nameplate NP1953C01

CAT.NO.	CESSWDM3711T											
SPEC.	37J639T383G1											
HP	10											
VOLTS	230/460											
AMP	21.2/10.6											
RPM	3500											
FRAME	215TC					HZ	60					
SER.F.	1.15			CODE	L	DES			A	CLASS	F	
NEMA-NOM-EFF	91.7				PF	94					PH	3
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V					23		
DE	6307				ODE	6206						
ENCL	TEFC		SN									

Parts List		
Part Number	Description	Quantity
SA147561	SA 37J639T383G1	1.000 EA
RA136602	RA 37J639T383G1	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
37CB1004A01	CONDUIT BOX, MACH	1.000 EA
37GS3011	1/8"WHITE NEOPRENE BOX GS	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
37FE1907A01	FR ENDPLATE ASSY	1.000 EA
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37PE1908A02	PU ENDPLATE ASSY, FOR LOCKED 307 BRG	1.000 EA
HW4606A04	JM CLIPPER/SEAL (LWE-1376-2125-AL45)	1.000 EA
10XN2520S32	1/4-20 X 2 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010SP	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 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

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
36FN3000C02SP	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HA3104S30	T-BOLT, .31-18 X 13.875SSTD#100207	4.000 EA
37PA1039	PALLET PACK GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

Record # 57397 - Typical performance - not guaranteed values

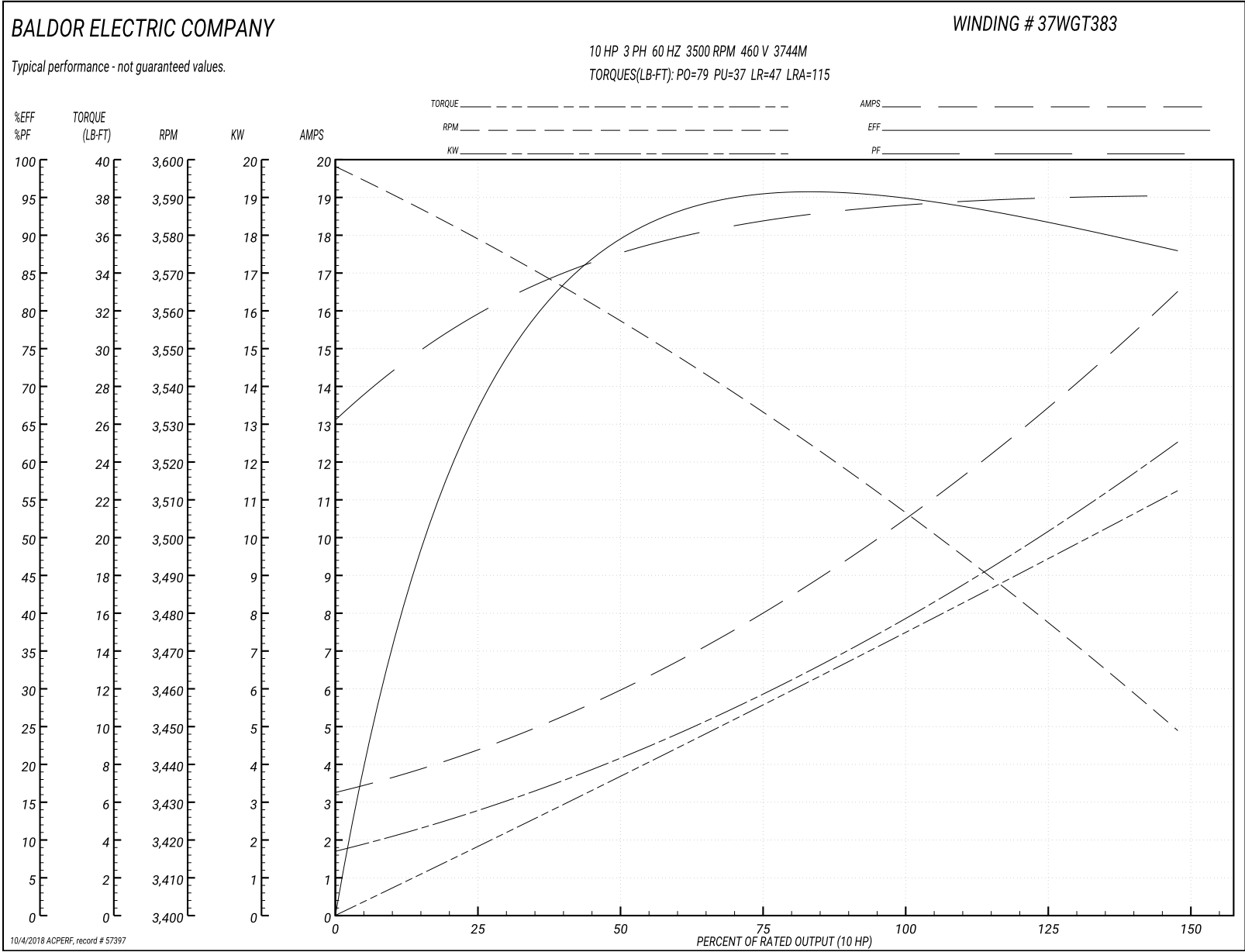
Winding: 37WGT383-R007	Type: 3744M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	21.2/10.6			Breakdown Torque	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

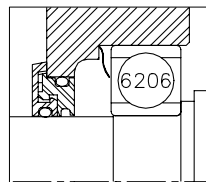
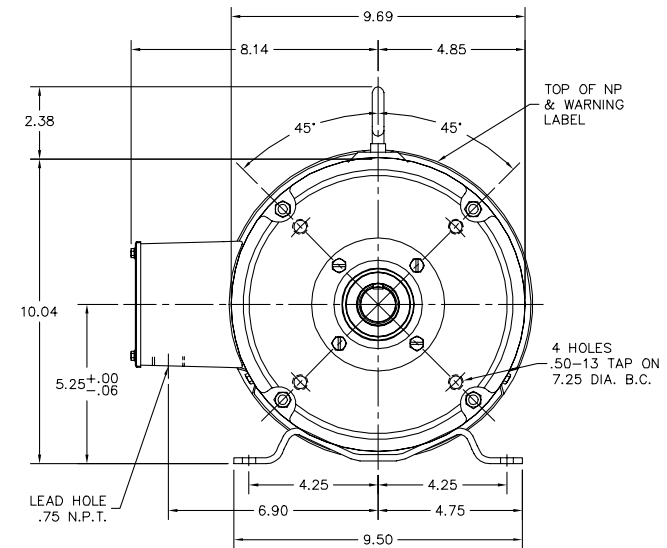
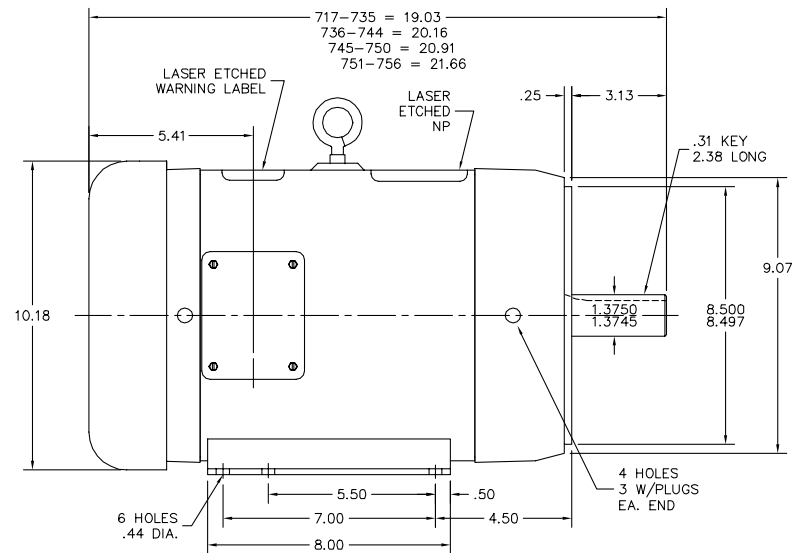
Load Characteristics 460 V, 60 Hz, 10 HP

% 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

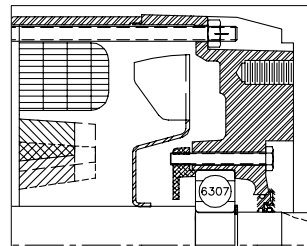
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



37LYJ639



FRONT END DETAIL



PULLEY END DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW	VERSION: 00	TDR: 000000402493
REV. LTR: -	REVISED: 12:58:39 07/19/2006	BY: ENBRYPO
FILE: \AAA\00138\592		
MTL: -		

BALDOR ELECTRIC Co.

STD HOR 213-5TC TEFC 37M WD4 W/LASER ETCHED BAND

37LYJ639

