

# **BALDOR**® • ***RELIANCE***

## **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	<b>Shaft Rotation:</b>	Reversible
	23.000 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	A	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None

Nameplate NP1953C01											
CAT.NO.	CESSWDM3711T										
SPEC.	37J639T383G1										
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					USABLE AT 208V			23		
DE	6307					ODE	6206				
ENCL	TEFC			SN							

**AC Induction Motor Performance Data**

Record # 57397 - Typical performance - not guaranteed values

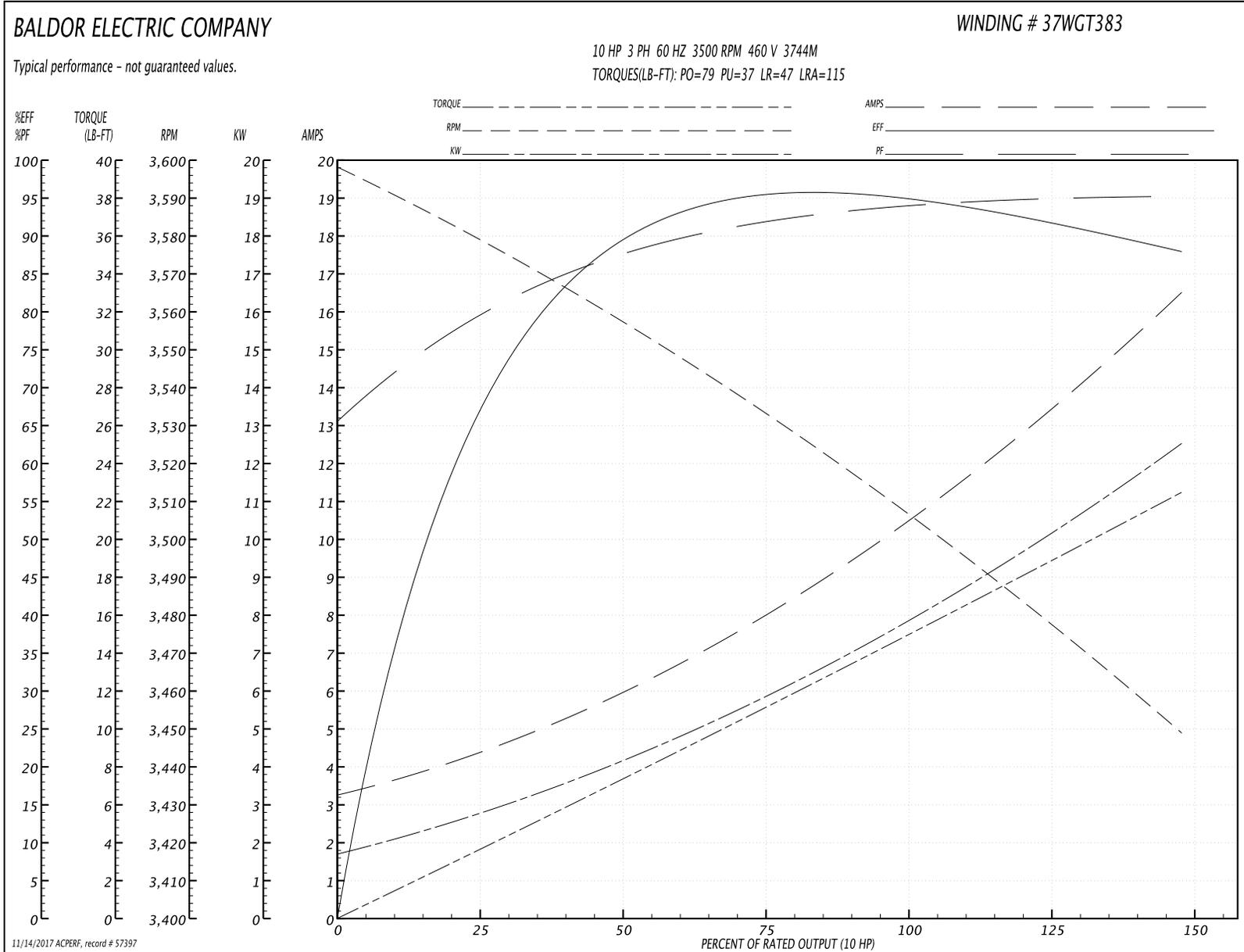
<b>Winding:</b> 37WGT383-R007	<b>Type:</b> 3744M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	21.2/10.6			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 <sup>2</sup>

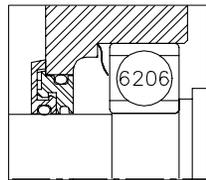
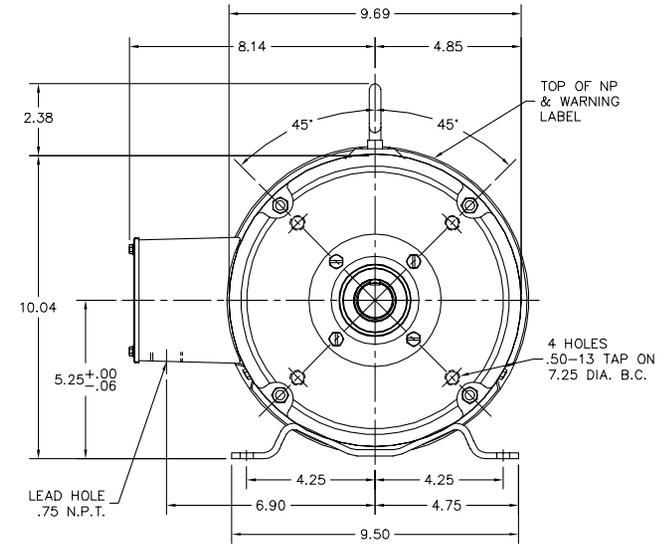
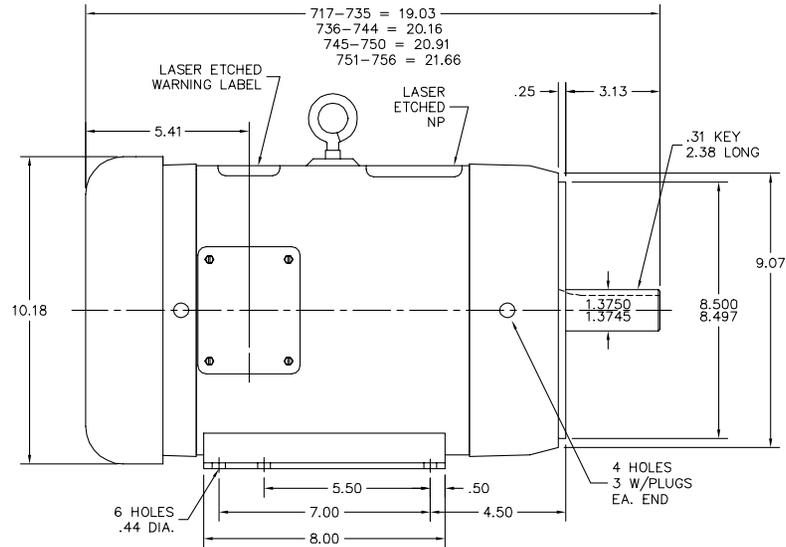
**Load Characteristics 460 V, 60 Hz, 10 HP**

% 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

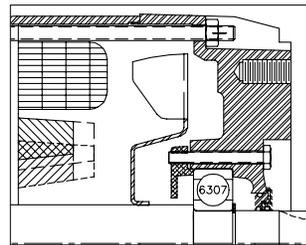
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



37LYJ639



FRONT END DETAIL



PULLEY END DETAIL

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

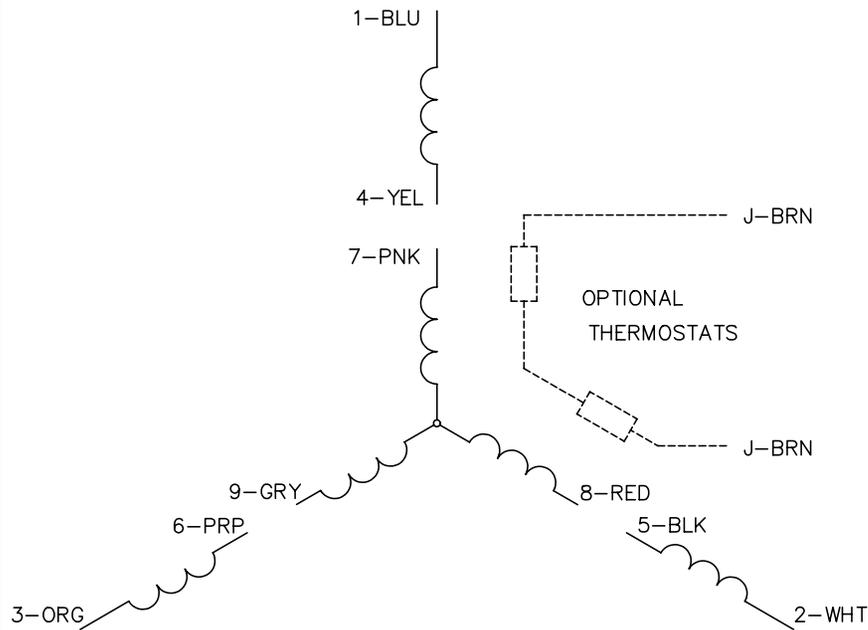
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FILE: \AAA\00138\592		
MTL: -		

**BALDOR ELECTRIC Co.**

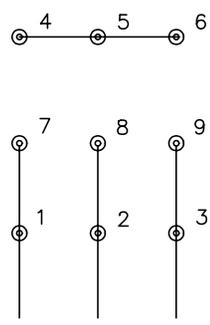
STD HOR 213-5TC TEFC 37M WD4 W/LASER ETCHED BAND

37LYJ639

CD0005

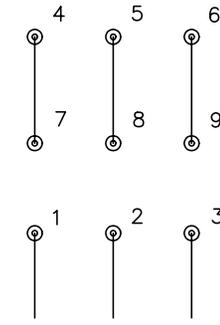


LOW VOLTAGE (2Y)



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
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		MTL: -	

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3PH, DV, 9 LEADS

CD0005