

BALDOR® • RELIANCE

Product Information Packet

IDCSWDM3710T

7.5HP,1770RPM,3PH,60HZ,213TC,3739M,TEFC

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3739M	Elec. Spec:	37WGT864	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H885	Layout:	37LYH885
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	10-25-2006
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	01-19-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L

CAT NO	IDCSWDM3710T										
SPEC.	37H885T864G1										
FRAME	213TC				HP	7.5 TE					
VOLTS	230/460										
MAG CUR	8.8/4.4				FLA	19/9.5					
RPM	1770				RPM MAX	6000					
HZ	60			PH	3		CLASS	H			
SER.F.	1.00			DES	A			SL HZ	1		
NEMA-NOM-EFF	91.7			WK2	0.959						
BLWR V			PH			HZ			A		
RATING	40C AMB-CONT										
DE BRG	6307			ODE BRG	6206						
CC	010A		SN								

AC Induction Motor Performance Data

Page 1 of 1



AC Induction Motor Performance Data
 Record # 37140
 Typical performance - not guaranteed values

Winding: 37WGT864	Type: 3739M	Enclosure: TEFC
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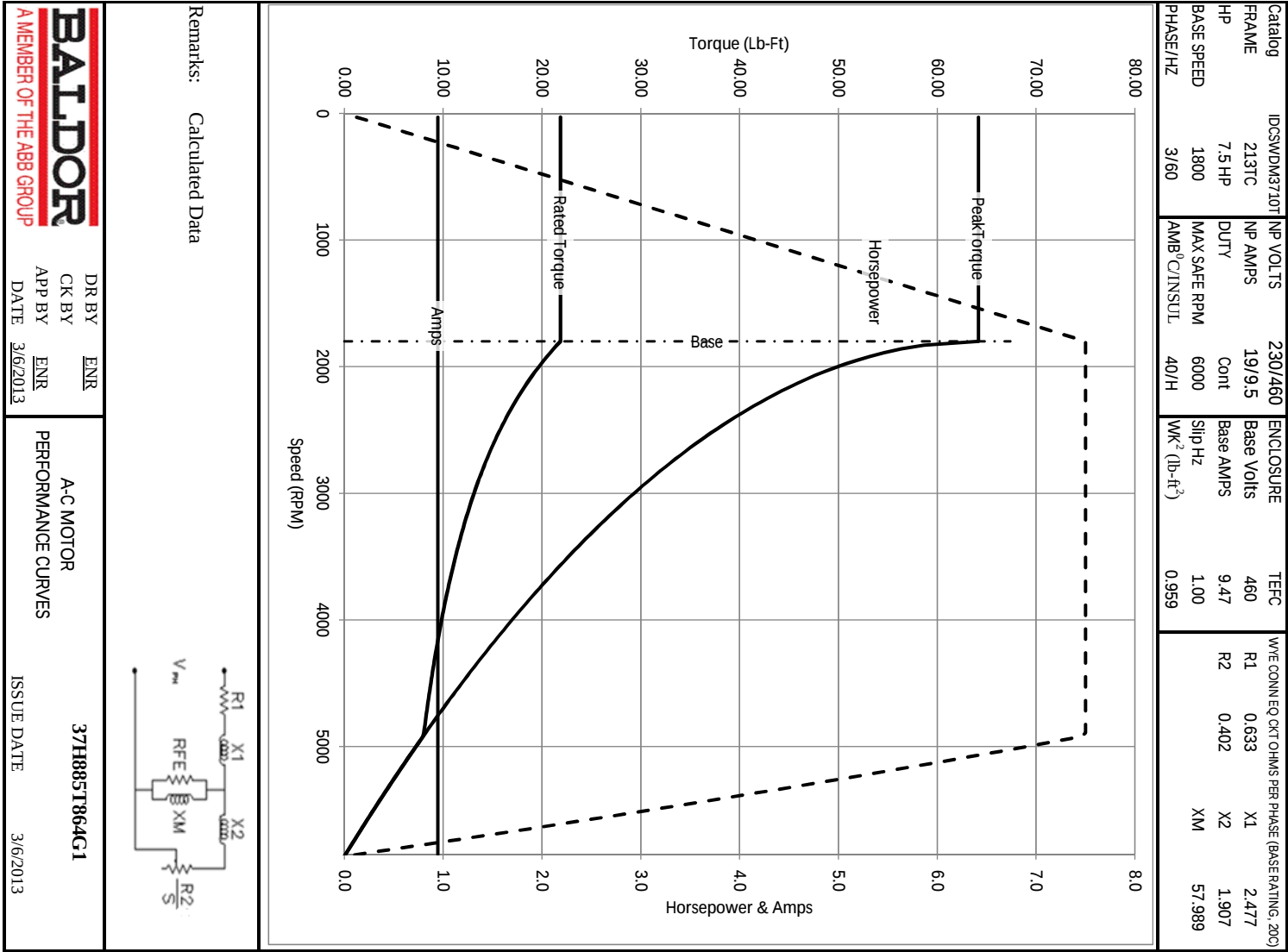
Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	7.5		Full Load Torque	22.3 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	19/9.5		Break Down Torque	71.3 LB-FT			
R.P.M.	1770		Pull-Up Torque	38.7 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque	46.5 LB-FT		
NEMA Design Code	A	KVA Code	J	Starting Current	73 Amps		
Service Factor	1			No-load Current	4.3 Amps		
NEMA Nom. Eff.	91.7	P.F.	81	Line-line Res. @ 25°C.	1.34 Ohms		
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C		
S.F. Amps				Temp. Rise @ S.F. Load			

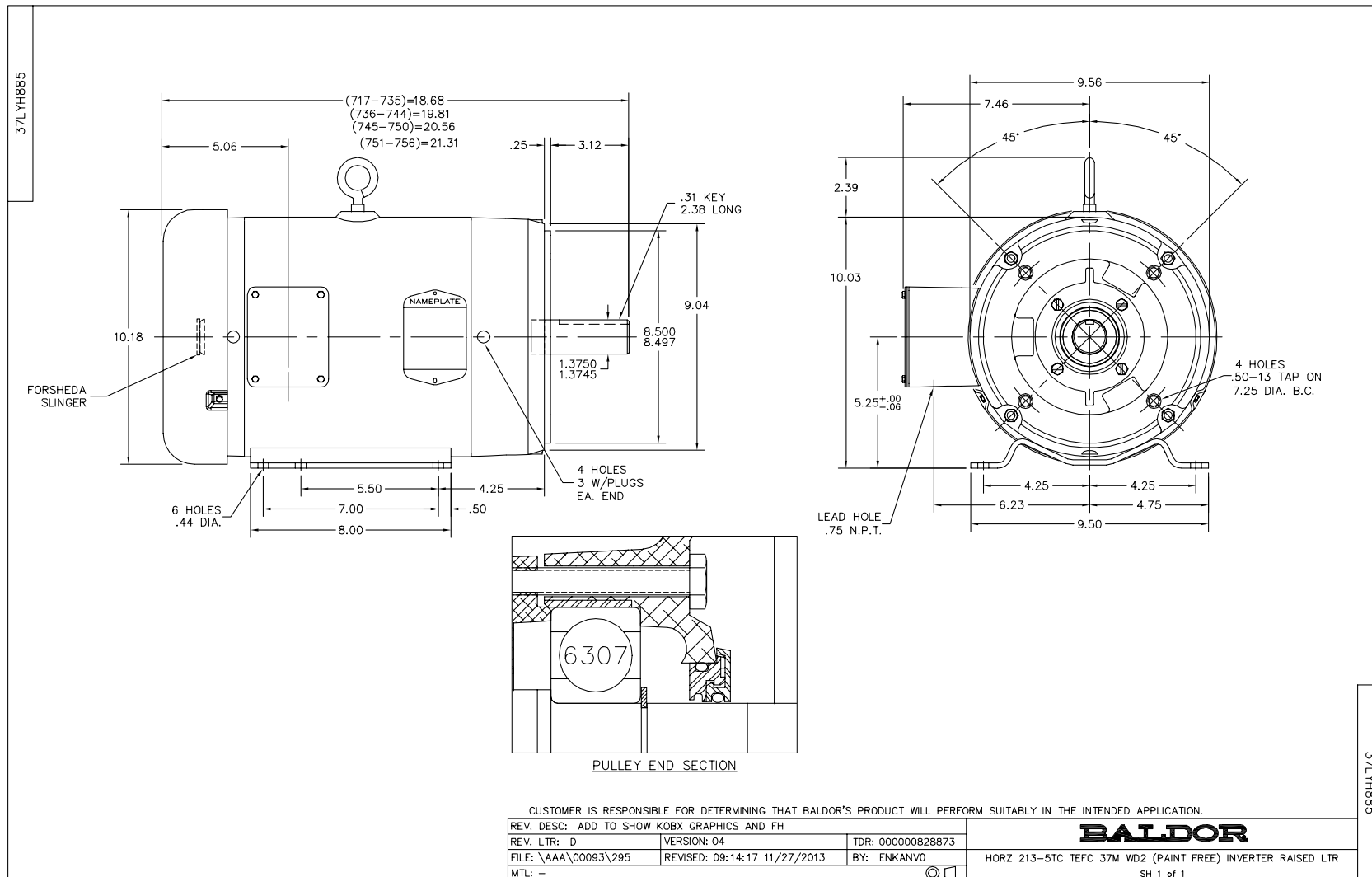
Load Characteristics at 460 Volts, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	65	75	81	83	85	
Efficiency	86.9	91.1	92.1	91.7	90.8	89.7	
Speed	1793	1786	1778	1770	1760	1750	
Line Amperes	4.8	5.95	7.62	9.47	11.6	13.9	

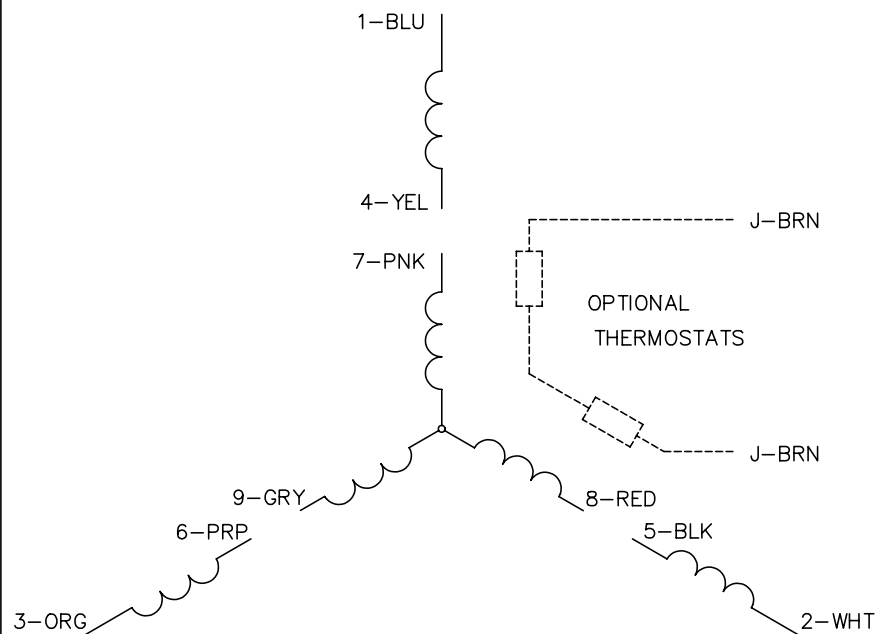
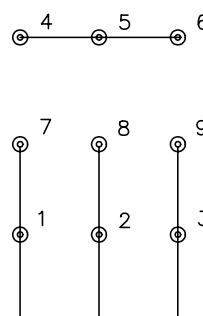
Baldor Electric Company Fort Smith, Arkansas



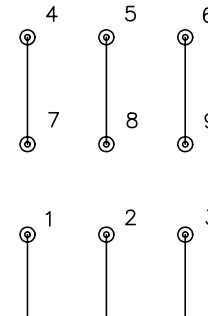




CD0005


 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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005