

BALDOR® • RELIANCE

Product Information Packet

FDL3732M

7.5HP,1730RPM,1PH,60HZ,213,3740LC,TEFC,F

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3740LC	Elec. Spec:	37WGT879	CD Diagram:	CD0152
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N373	Layout:	37LYN373
Frame:	213	Mounting:	F1	Poles:	04	Created Date:	12-11-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-13-2015
Leads:	2#10 A PH,3#14 B&J					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L

CAT.NO.	FDL3732M										
SPEC.	37N373T879G1										
HP	7.5										
VOLTS	230										
AMP	30										
RPM	1730										
FRAME	213				HZ	60		PH	1		
SER.F.	1.00			CODE	H		DES	L		CL	F
NEMA-NOM-EFF	84				PF	97					
RATING	40C AMB-CONT										
CC								USABLE AT 208V			
DE	6307				ODE	6206					
ENCL	TEFC			SN							

AC Induction Motor Performance Data

Record # 18791 - Typical performance - not guaranteed values

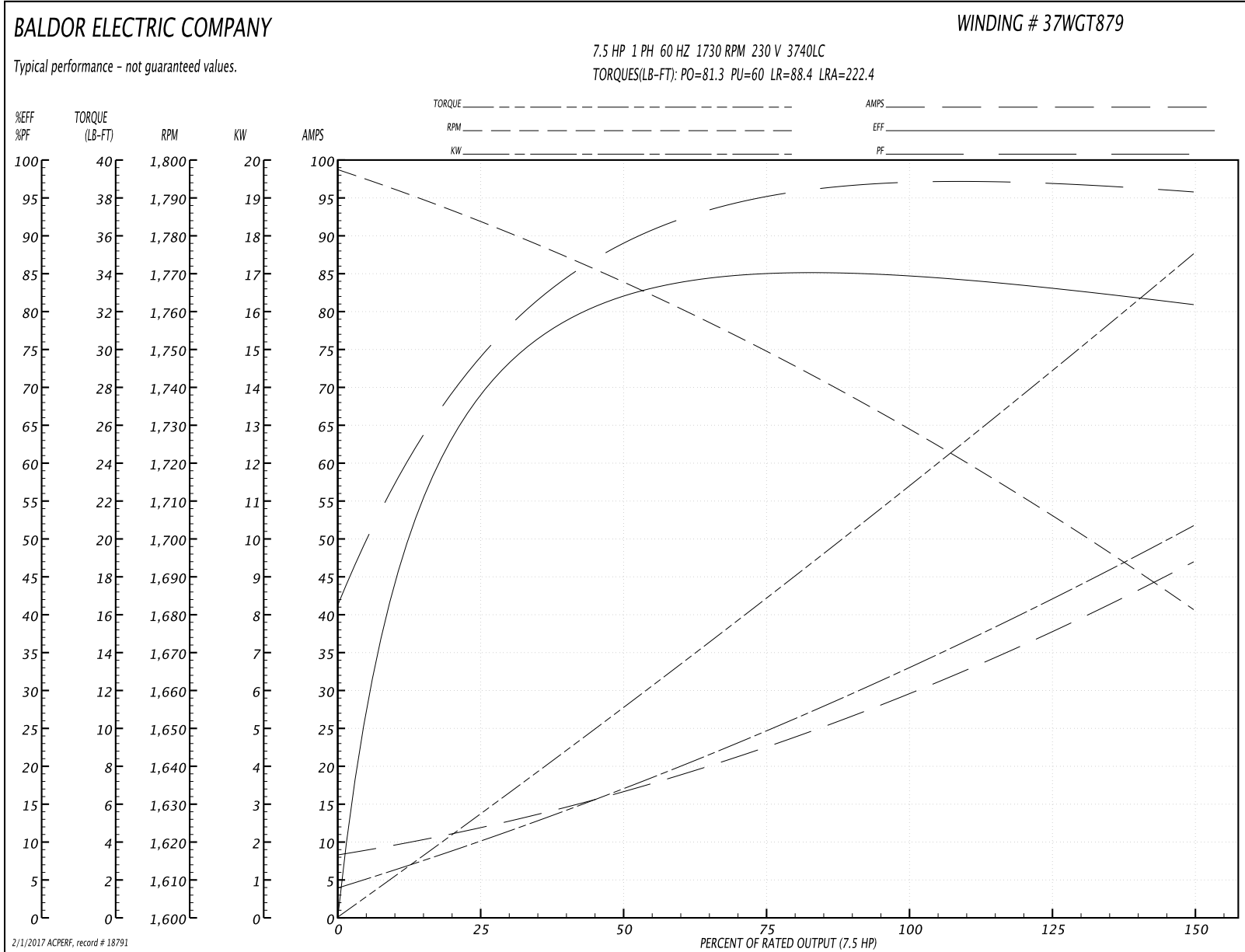
Winding: 37WGT879-R001	Type: 3740LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	7.5			Full Load Torque	22.6 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	30			Breakdown Torque	81.3 LB-FT
R.P.M.	1730			Pull-up Torque	60 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	88.4 LB-FT
NEMA Design Code	L	KVA Code	H	Starting Current	222.4 A
Service Factor (S.F.)	1			No-load Current	8.67 A
NEMA Nom. Eff.	84	Power Factor	97	Line-line Res. @ 25°C	0.199 Ω A Ph 0.516 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C

Load Characteristics 230 V, 60 Hz, 7.5 HP

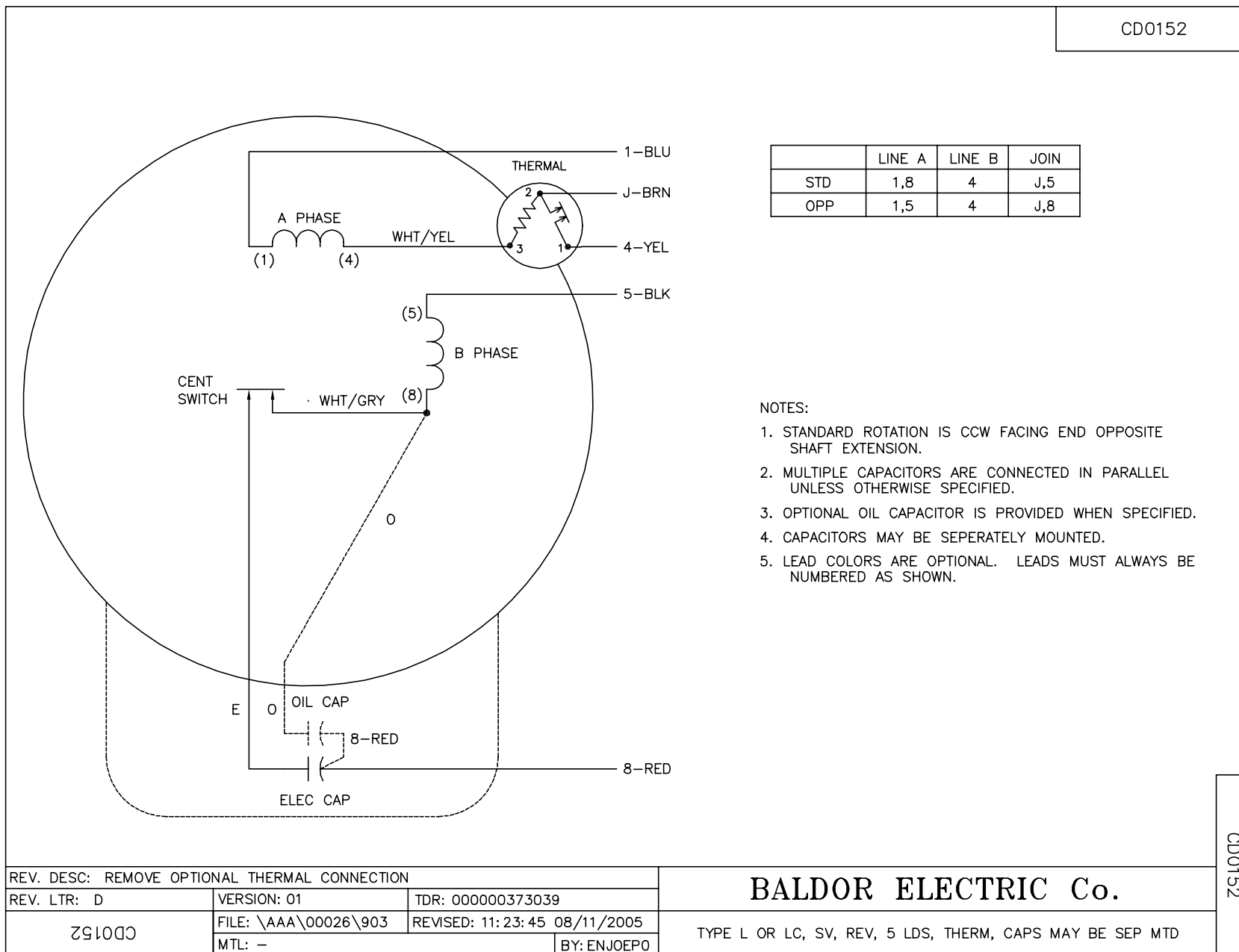
% of Rated Load	25	50	75	100	125	150
Power Factor	79	90	94	96	96	96
Efficiency	68	81.1	84.7	85.2	83.8	80.6
Speed	1782	1767	1750	1731	1708	1680
Line amperes	11.3	16.5	22.6	29.6	37.5	46.9

Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values





CD0152



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
4. CAPACITORS MAY BE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.