

BALDOR® • RELIANCE

Product Information Packet

IDCSWDM3538

.5HP,1750RPM,3PH,60HZ,56C,3515M,TENV,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3514M	Elec. Spec:	35WGP881	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35S638	Layout:	35LYS638
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	06-13-2008
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	12-08-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1608L

CAT NO	IDCSWDM3538										
SPEC.	35S638P881										
FRAME	56C				HP	.5			TE		
VOLTS	208-230/460										
MAG CUR	1/5					FLA	1.7-1.6/.8				
RPM	1750					RPM MAX	6000				
HZ	60				PH	3			CLASS	H	
SER.F.	1.00				DES	B			SL HZ	1.7	
NEMA-NOM-EFF	82.5				WK2	0.0827					
BLWR V				PH				HZ			
RATING	40C AMB-CONT										
DE BRG	6205				ODE BRG	6203					
CC				SN							

AC Induction Motor Performance Data

Record # 26876 - Typical performance - not guaranteed values

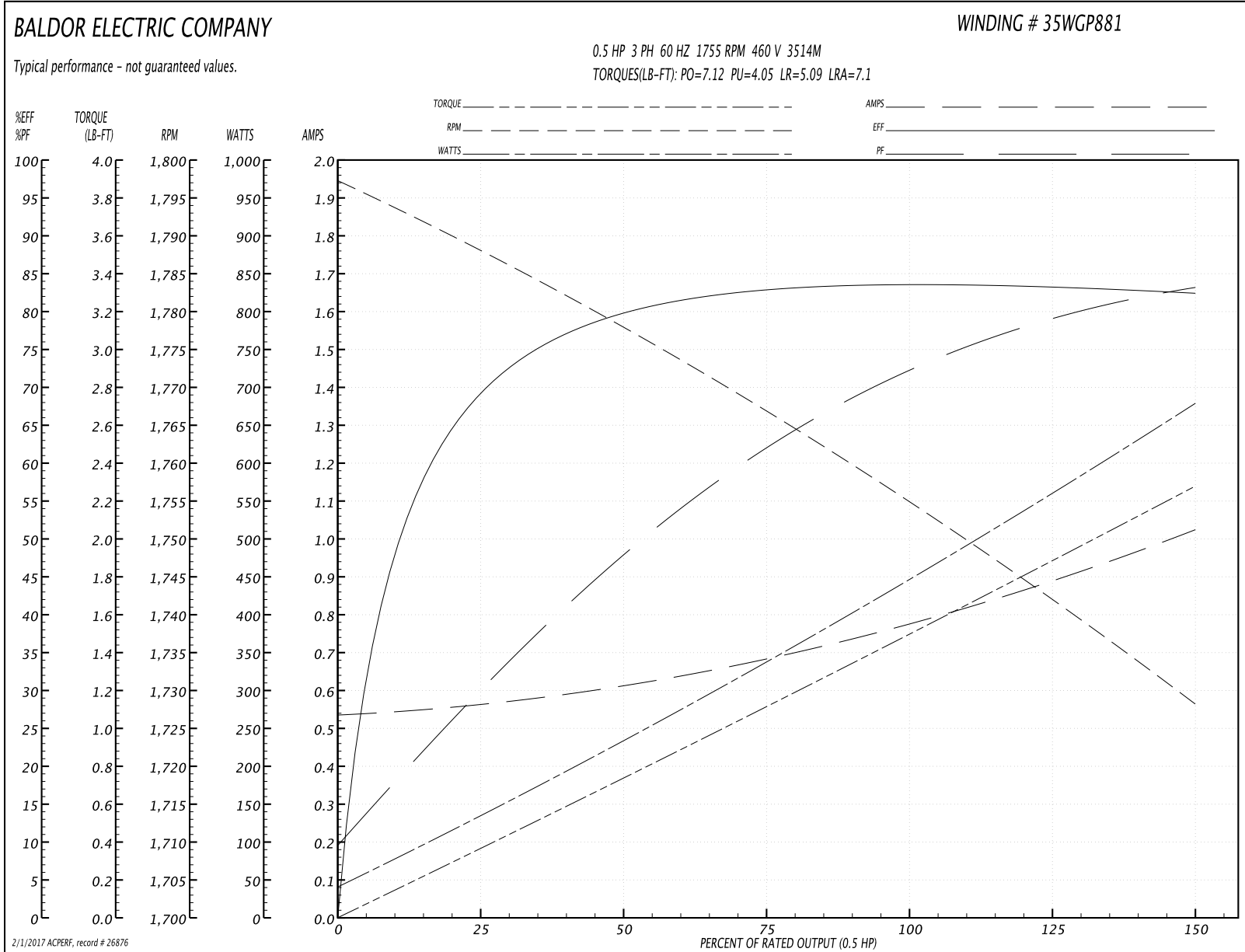
Winding: 35WGP881-R001	Type: 3514M	Enclosure: TENV
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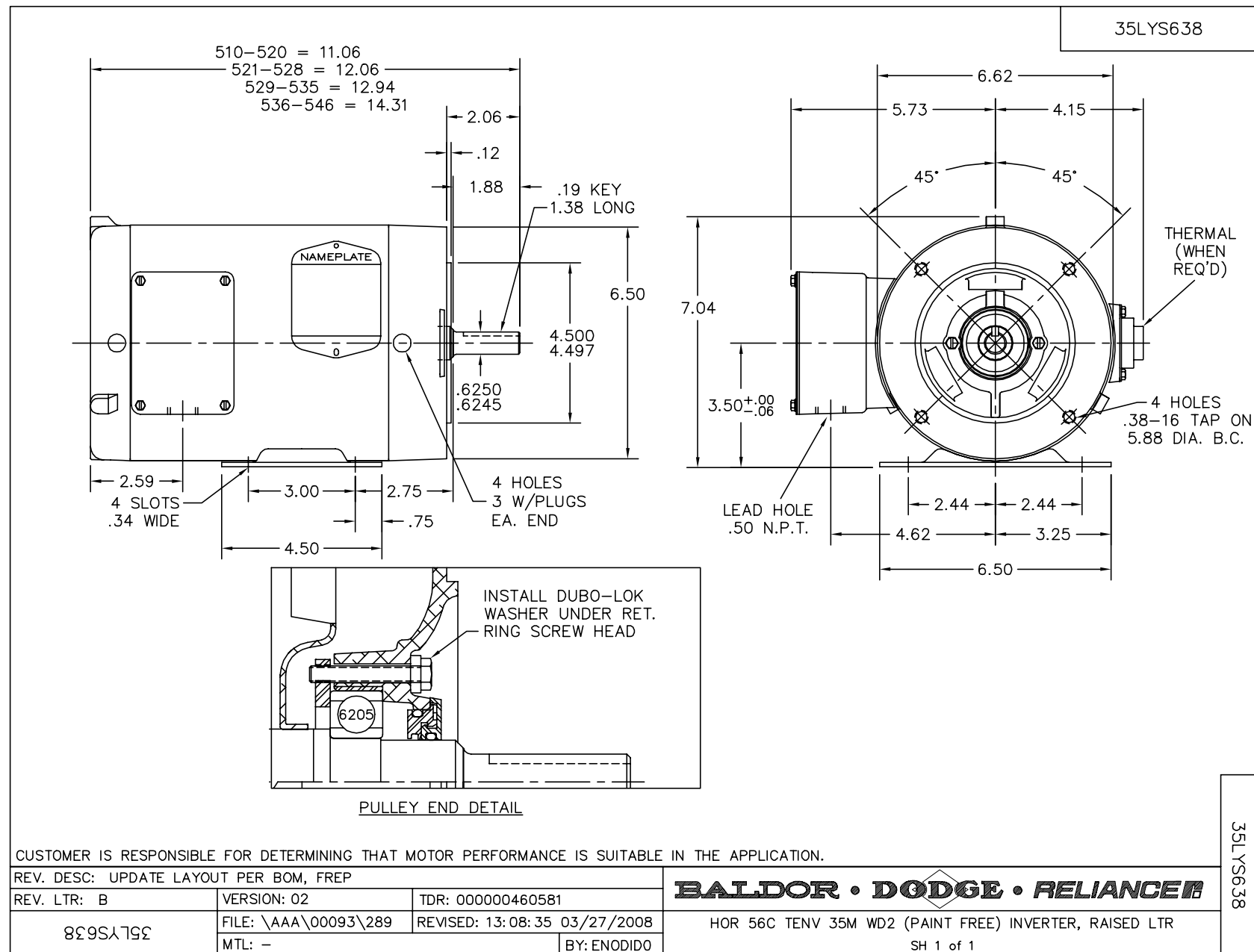
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.49 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.68-1.54/.77			Breakdown Torque	7.12 LB-FT
R.P.M.	1755			Pull-up Torque	4.05 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.09 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	7.1 A
Service Factor (S.F.)	1			No-load Current	0.538 A
NEMA Nom. Eff.	82.5	Power Factor	72	Line-line Res. @ 25°C	32.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
				Locked-rotor Power Factor	67
				Rotor inertia	0.0827 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

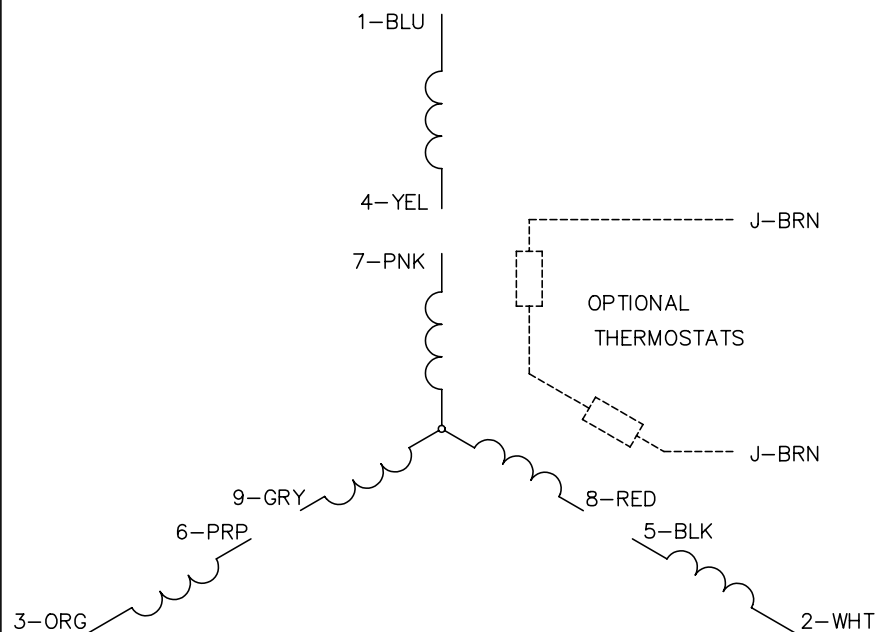
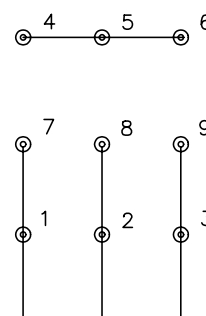
% of Rated Load	25	50	75	100	125	150
Power Factor	30	48	62	72	78	84
Efficiency	68.2	79.7	82.4	83.9	83.4	82.3
Speed	1789	1778	1767	1755	1743	1728
Line amperes	0.56	0.607	0.681	0.773	0.892	1.02

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

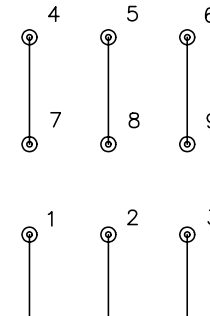




CD0005


 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