

BALDOR® • RELIANCE

Product Information Packet

FDL3501M

.33HP,1725RPM,1PH,60HZ,56,3414L,TEFC,F1

Part Detail

Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW721	CD Diagram:	CD0008	Mfg Plant:	
Mech. Spec:	34M366	Layout:	34LYM366	Poles:	04	Created Date:	11-22-2013
Base:	RG	Eff. Date:	07-20-2015	Leads:	7#18		

Specs

Catalog Number:	FDL3501M	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	L
Frame:	56	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	7 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	115.0 V @ 60 HZ	Motor Type:	3414L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	60
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Product Type:	FARM DUTY
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	3.000 A @ 230.0 V	Shaft Extension Location:	Pulley End

	3.600 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	6.000 A @ 115.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Manual Thermal Overload
Insulation Class:	B	Winding Thermal 1 Location:	KO

Nameplate NP1280L

CAT.NO.	FDL3501M									
SPEC.	34M366W721									
HP	.33									
VOLTS	115/230									
AMP	6/3									
RPM	1725									
FRAME	56				HZ	60		PH	1	
SER.F.	1.35			CODE	L		DES	N	CL	B
NEMA-NOM-EFF	60				PF	60				
RATING	40C AMB-CONT									
CC					USABLE AT 208V					3.6
DE	6203				ODE	6203				
ENCL	TEFC			SN						
	SFA 6.8/3.4									

AC Induction Motor Performance Data

Record # 7081 - Typical performance - not guaranteed values

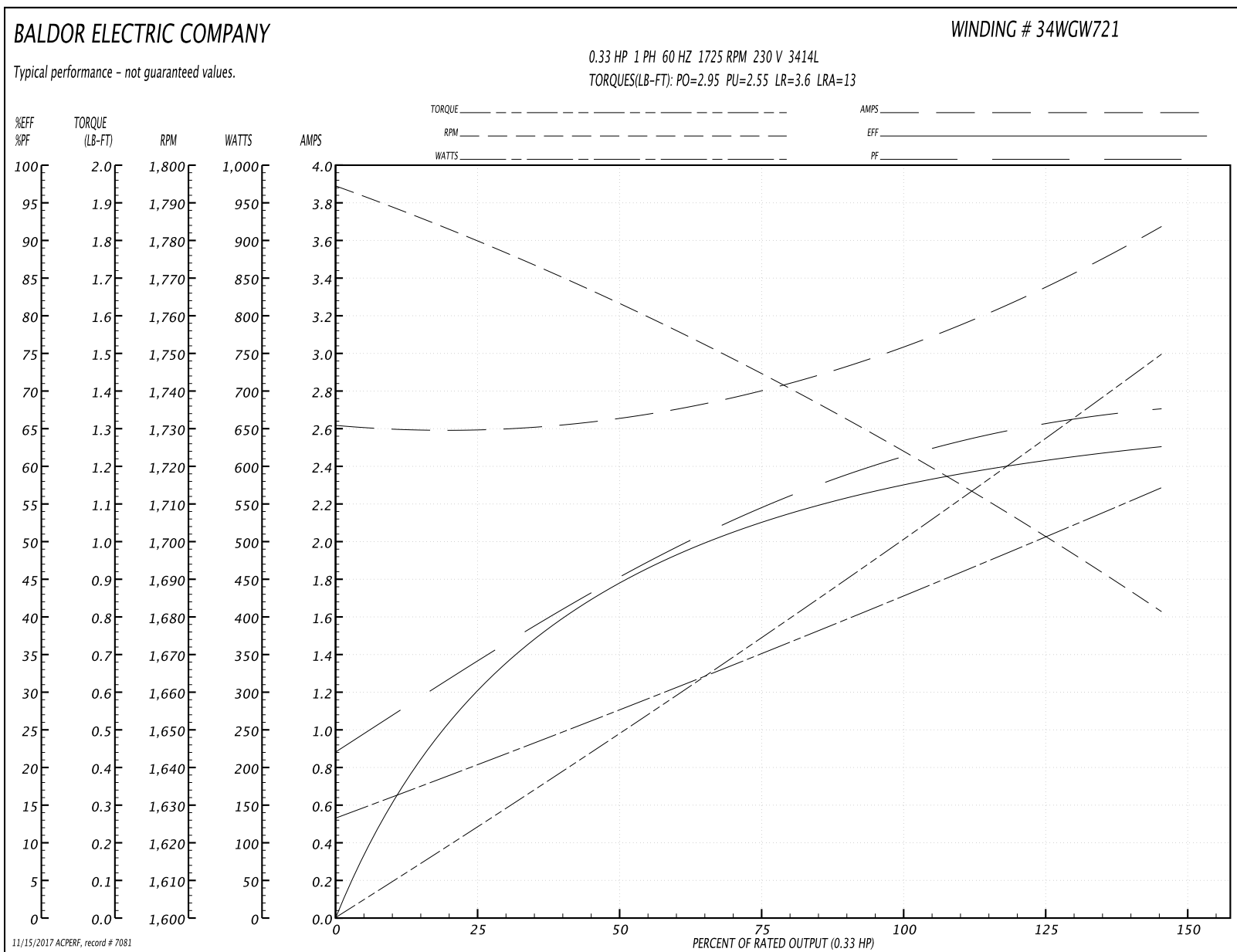
Winding: 34WGW721-R001	Type: 3414L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

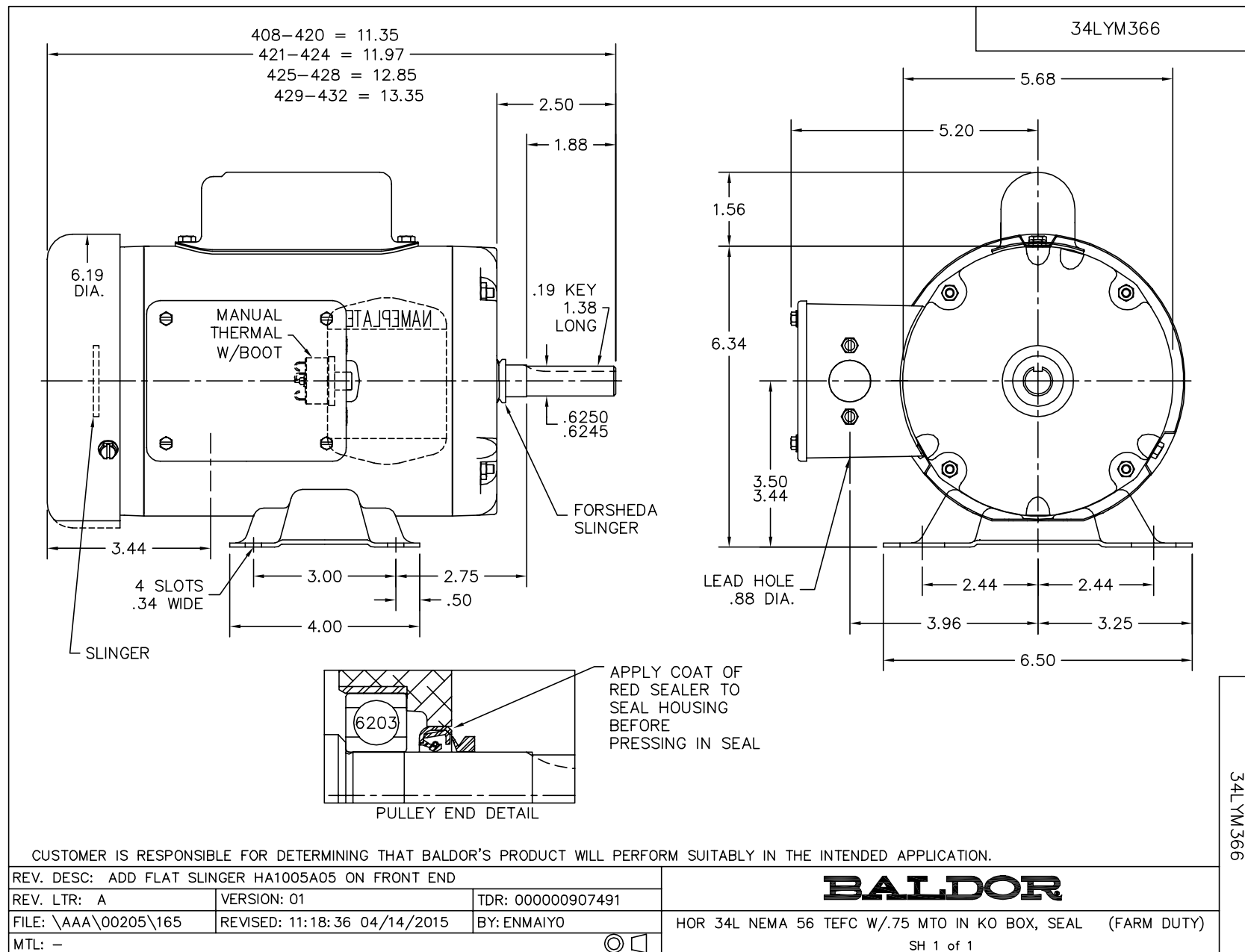
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6/3			Breakdown Torque	2.95 LB-FT
R.P.M.	1725			Pull-up Torque	2.55 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.6 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	13 A
Service Factor (S.F.)	1.35			No-load Current	2.6 A
NEMA Nom. Eff.	60	Power Factor	60	Line-line Res. @ 25°C	6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps	6.8/3.4			Temp. Rise @ S.F. Load	73°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

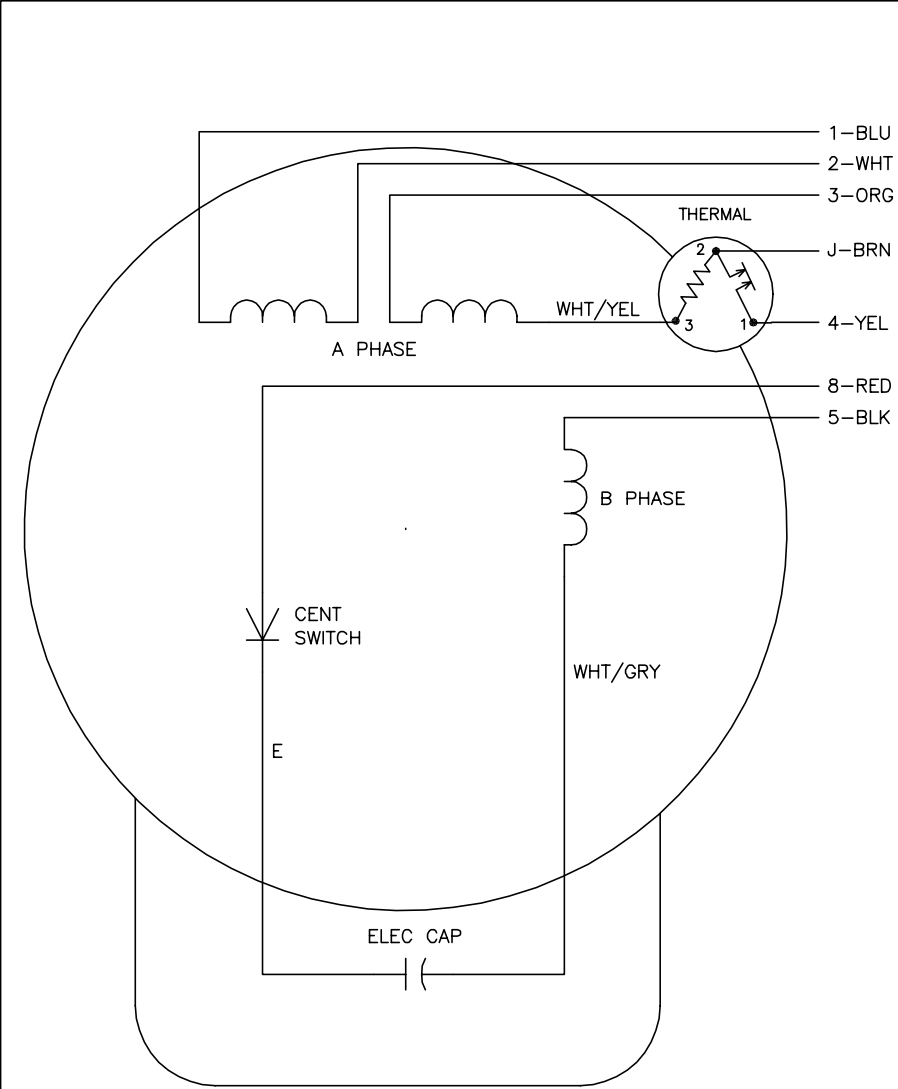
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	60	67	73	0
Efficiency	33	41	52	60	61.5	61.5	0
Speed	1780	1760	1745	1725	1705	1680	0
Line amperes	2.6	2.7	2.8	3	3.3	3.7	3.4

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	2,J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008