

BALDOR® • RELIANCE

Product Information Packet

M3560

.5HP,850RPM,3PH,60HZ,56H,3522M,TEFC,F1,N

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGN043	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35H876	Layout:	35LYH876	Poles:	08	Created Date:	01-25-2011
Base:	RG	Eff. Date:	01-24-2017	Leads:	9#18		

Specs			
Catalog Number:	M3560	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	56H	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	900 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3522M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	56
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
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	Shaft Extension Location:	Pulley End

Current @ Voltage:	1.250 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	2.400 A @ 208.0 V	Shaft Rotation:	Reversible
	2.500 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	M3560											
SPEC.	35H876N043G1											
HP	.5											
VOLTS	208-230/460											
AMP	2.4-2.5/1.25											
RPM	850											
FRAME	56H				HZ		60			PH		3
SER.F.	1.15			CODE		K	DES		B	CLASS		F
NEMA-NOM-EFF	70			PF		56						
RATING	40C AMB-CONT											
CC					USABLE AT 208V							
DE	6205				ODE		6203					
ENCL	TEFC			SN								

AC Induction Motor Performance Data

Record # 61974 - Typical performance - not guaranteed values

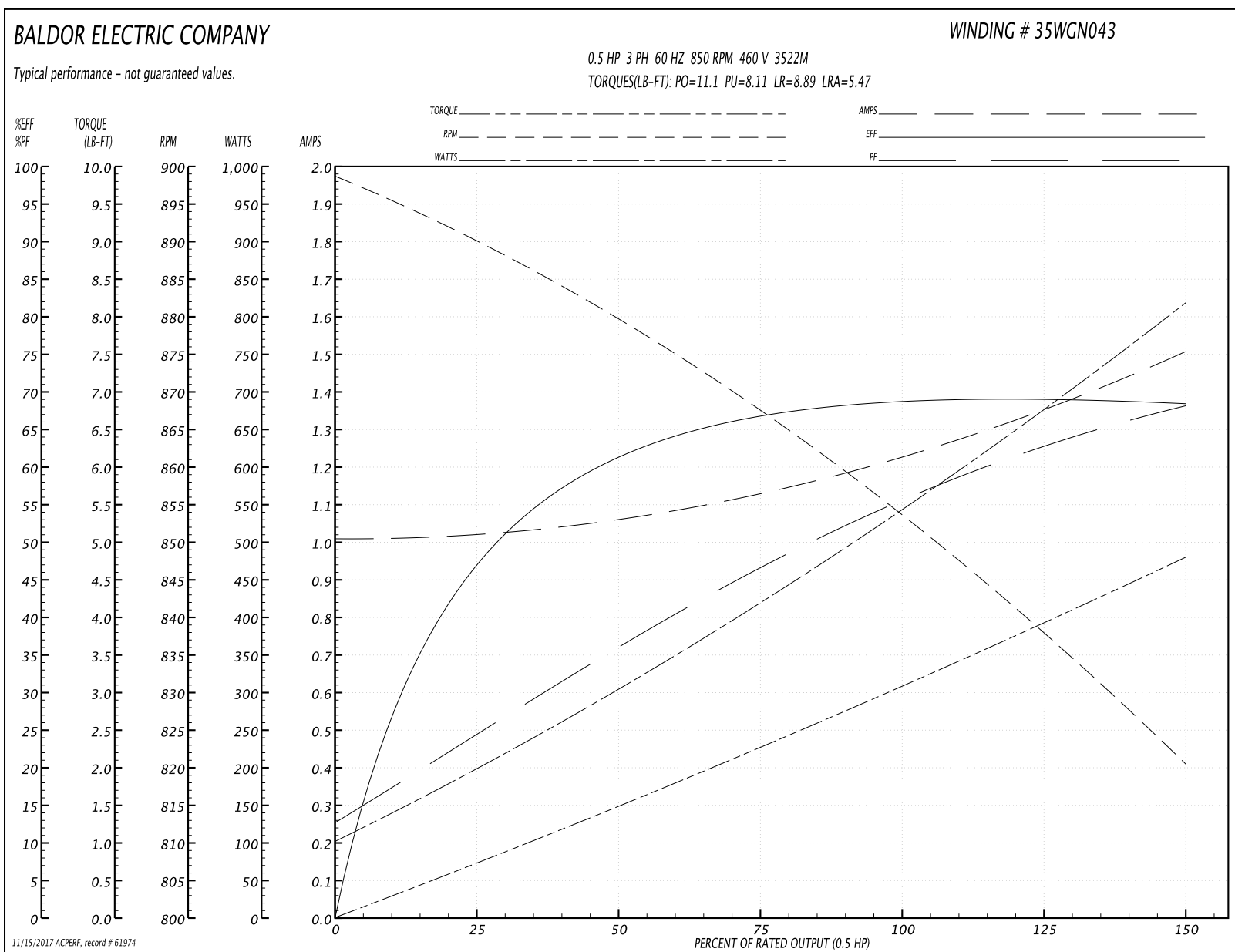
Winding: 35WGN043-R009	Type: 3522M	Enclosure: TEFC
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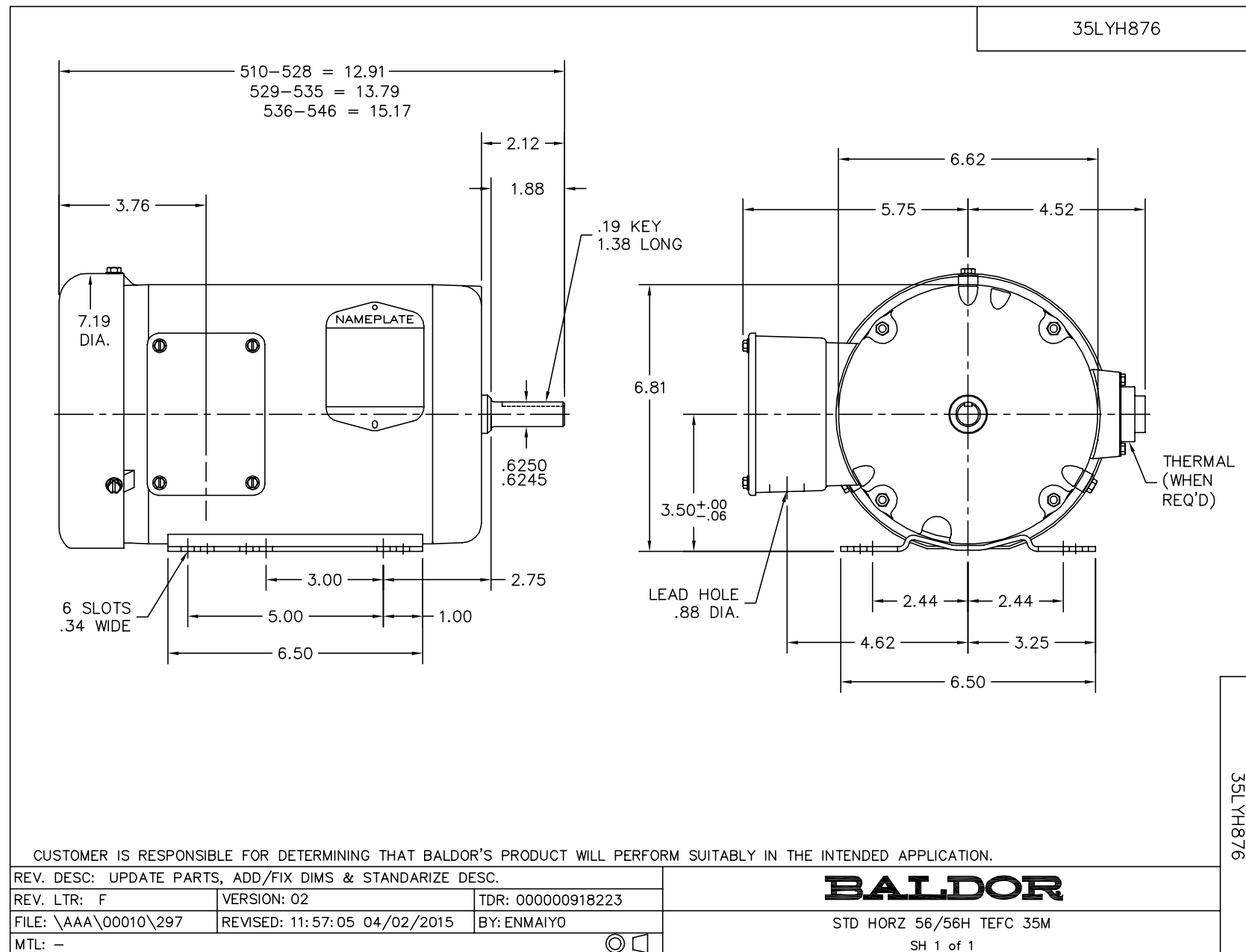
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	3.12 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.4-2.5/1.25			Breakdown Torque	11.1 LB-FT
R.P.M.	850			Pull-up Torque	8.11 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.89 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	5.47 A
Service Factor (S.F.)	1.15			No-load Current	1.01 A
NEMA Nom. Eff.	70	Power Factor	56	Line-line Res. @ 25°C	34.5 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	63°C
				Locked-rotor Power Factor	65.6
				Rotor inertia	0.131 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	37	47	56	63	68	60
Efficiency	47.3	61.2	66.8	69.2	69.2	68.2	69.2
Speed	890	878	867	854	838	820	844
Line amperes	1.02	1.06	1.14	1.23	1.35	1.51	1.3

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