

BALDOR® • ***RELIANCE***

Product Information Packet

CBM7014T

1HP,1735RPM,3PH,60HZ,143TC,3520M,XPNV,F1

Part Detail							
Revision:	K	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM856	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35U456	Layout:	35LYU456	Poles:	04	Created Date:	08-24-2010
Base:	RG	Eff. Date:	03-08-2016	Leads:	9#18		

Specs			
Catalog Number:	CBM7014T	Insulation Class:	B
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	143TC	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3520M
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	79
Agency Approvals:	UL	Product Family:	General Purpose
	CSA	Product Type:	BRAKE MOTOR
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	RG	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	1.400 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	2.800 A @ 230.0 V	Shaft Rotation:	Reversible
	2.900 A @ 208.0 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:	Normally Closed Thermostat
Front Face Code:	Brake Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP1426XPSLEV	
NO.	<input type="text"/>
SER.	<input type="text"/>
SPEC.	35U456M856G1
CAT.NO.	CBM7014T
HP	1
VOLTS	208-230/460
AMPS	2.9-2.8/1.4
RPM	1735
HZ	60
SER.F.	1.00
RATING	40C AMB-CONT
FRAME	143TC
USABLE AT 208V	<input type="text"/>
BLANK	<input type="text"/>

CC	<input type="text"/>
T. CODE	T3C
PH	3
CL	B
DES	B
CODE	L
NEMA-NOM-EFF	82.5
PF	79

AC Induction Motor Performance Data

Record # 32132 - Typical performance - not guaranteed values

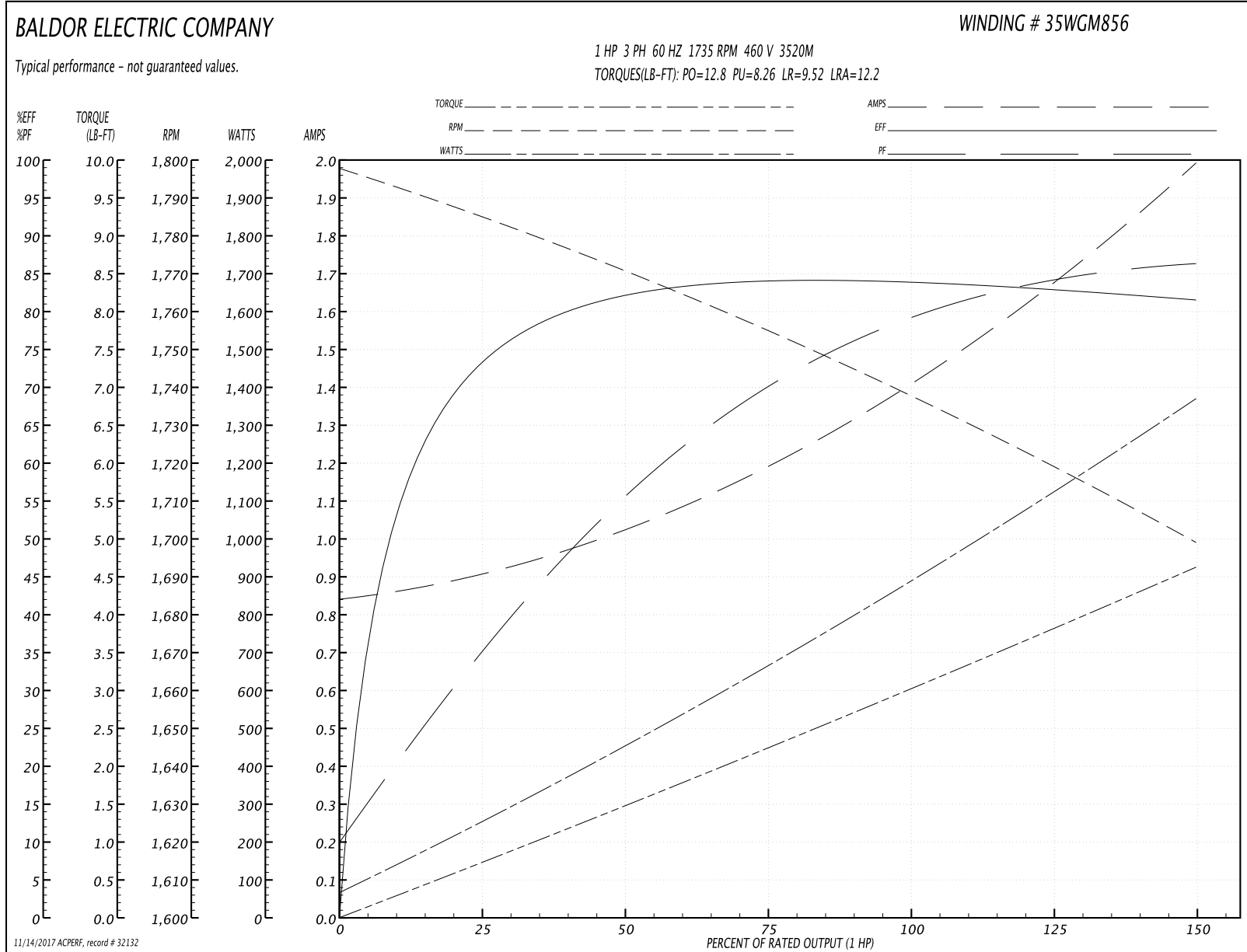
Winding: 35WGM856-R001	Type: 3520M	Enclosure: XPNV
-------------------------------	--------------------	------------------------

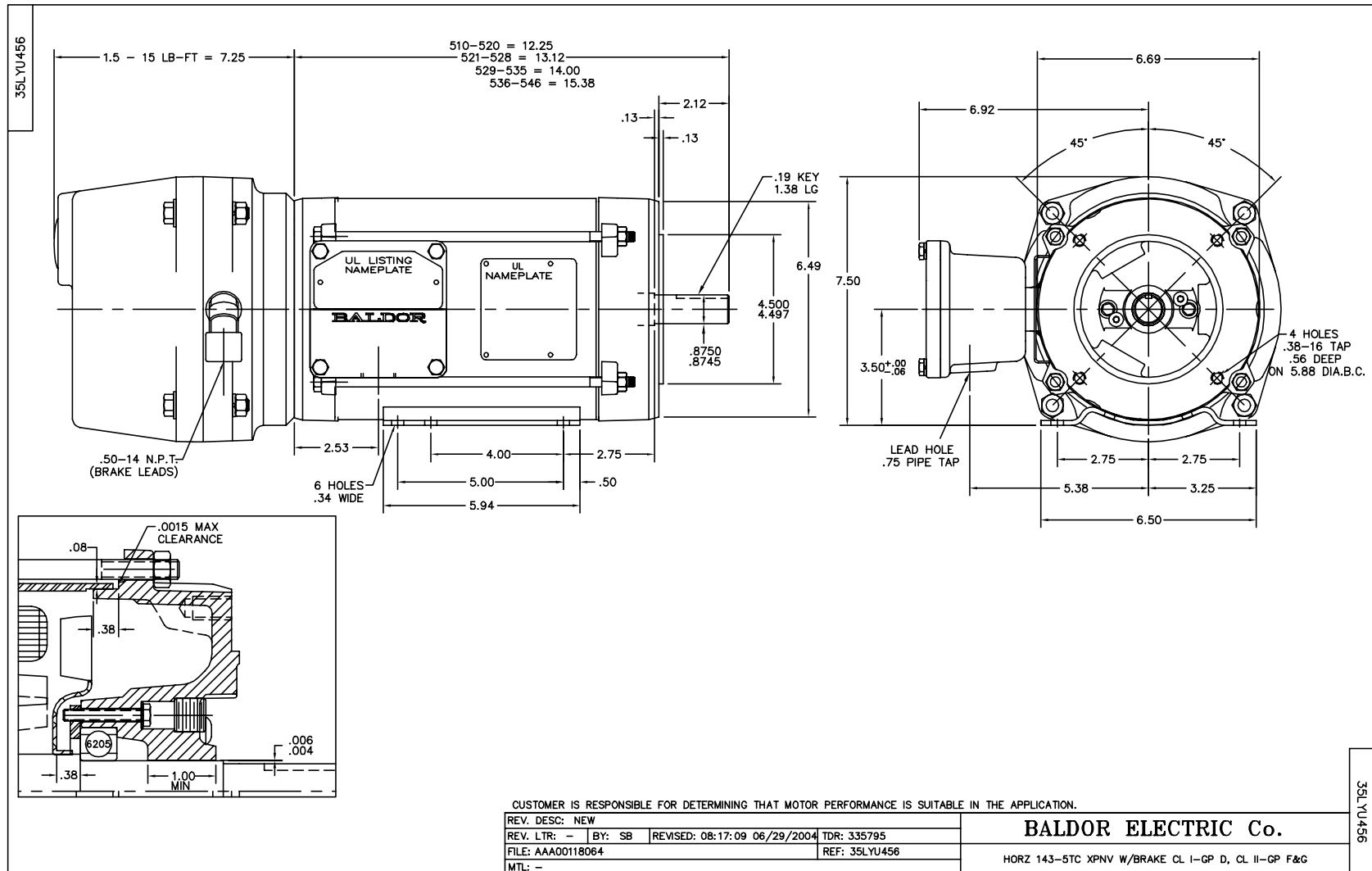
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.9-2.8/1.4			Breakdown Torque	12.8 LB-FT
R.P.M.	1735			Pull-up Torque	8.26 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.52 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	12.2 A
Service Factor (S.F.)	1			No-load Current	0.851 A
NEMA Nom. Eff.	82.5	Power Factor	79	Line-line Res. @ 25°C	16.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
				Locked-rotor Power Factor	61
				Rotor inertia	0.118 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	36	56	70	78	84	87
Efficiency	73.2	81.6	84.2	83.8	83.2	81.4
Speed	1785	1770	1755	1739	1719	1699
Line amperes	0.892	1.02	1.2	1.41	1.67	1.99

Performance Graph at 460V, 60Hz, 1.0HP 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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005