

BALDOR® • RELIANCE

Product Information Packet

JML1511T

10HP,3450RPM,1PH,60HZ,215JM,3740L,OPEN,F

Part Detail

Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WG047	CD Diagram:	CD0017A01	Mfg Plant:	
Mech. Spec:	37K266	Layout:	37LYK266	Poles:	02	Created Date:	03-08-2007
Base:	RG	Eff. Date:	03-01-2017	Leads:	2#8 A PH,2#14 B PH		

Specs

Catalog Number:	JML1511T	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	G
Frame:	215JM	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	10.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 8 AWG, A PH
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3740L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	86
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	Included
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	46.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	48.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	L	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:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	JML1511T										
SPEC.	37K266X047G1										
HP	10										
VOLTS	230										
AMP	46										
RPM	3450										
FRAME	215JM					HZ	60			PH	1
SER.F.	1.15			CODE	G	DES	L		CLASS	F	
NEMA-NOM-EFF	83			PF	86						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							48
DE	6309				ODE	6206					
ENCL	OPEN			SN							

AC Induction Motor Performance Data

Record # 11971 - Typical performance - not guaranteed values

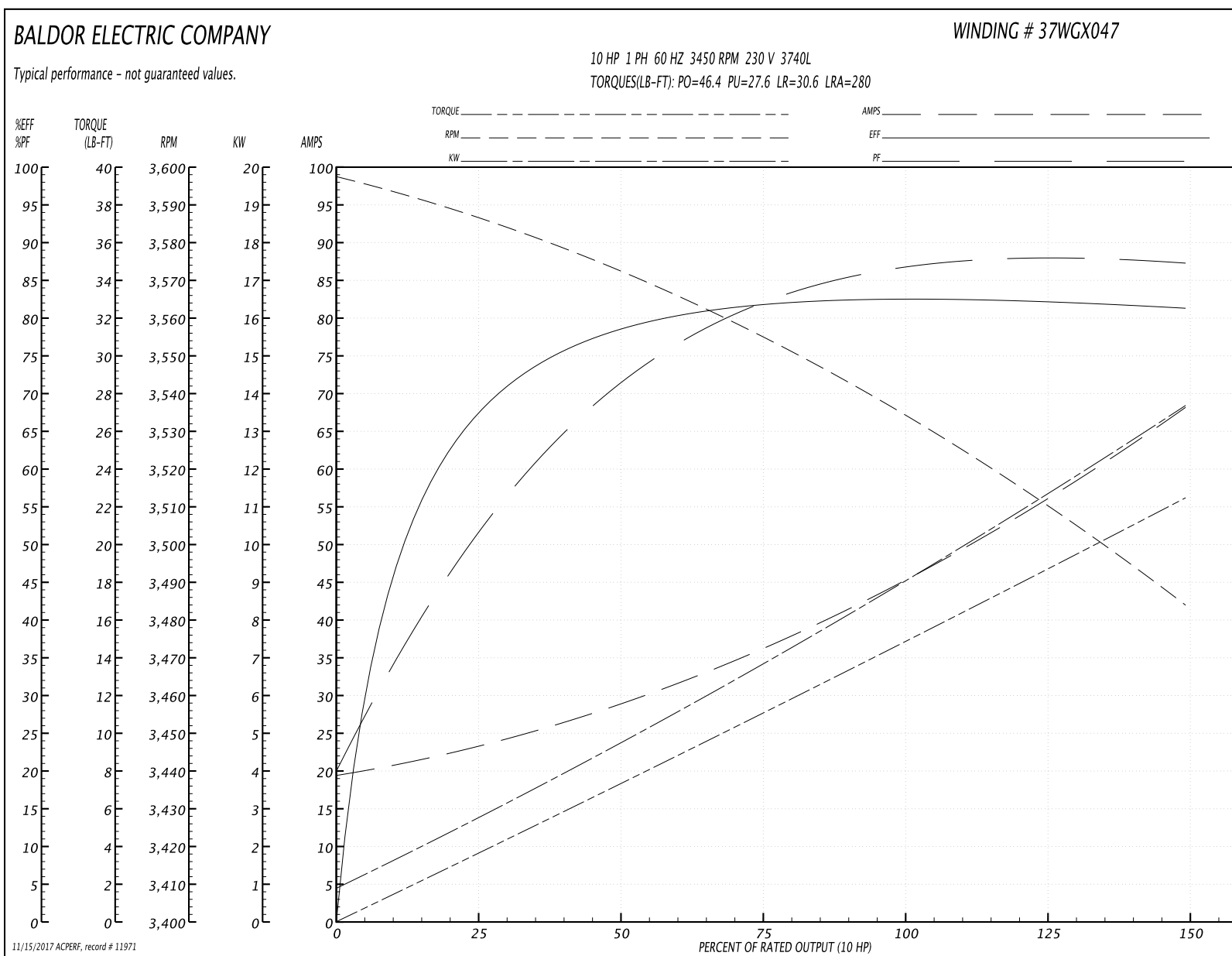
Winding: 37WGX047-R001	Type: 3740L	Enclosure: OPEN
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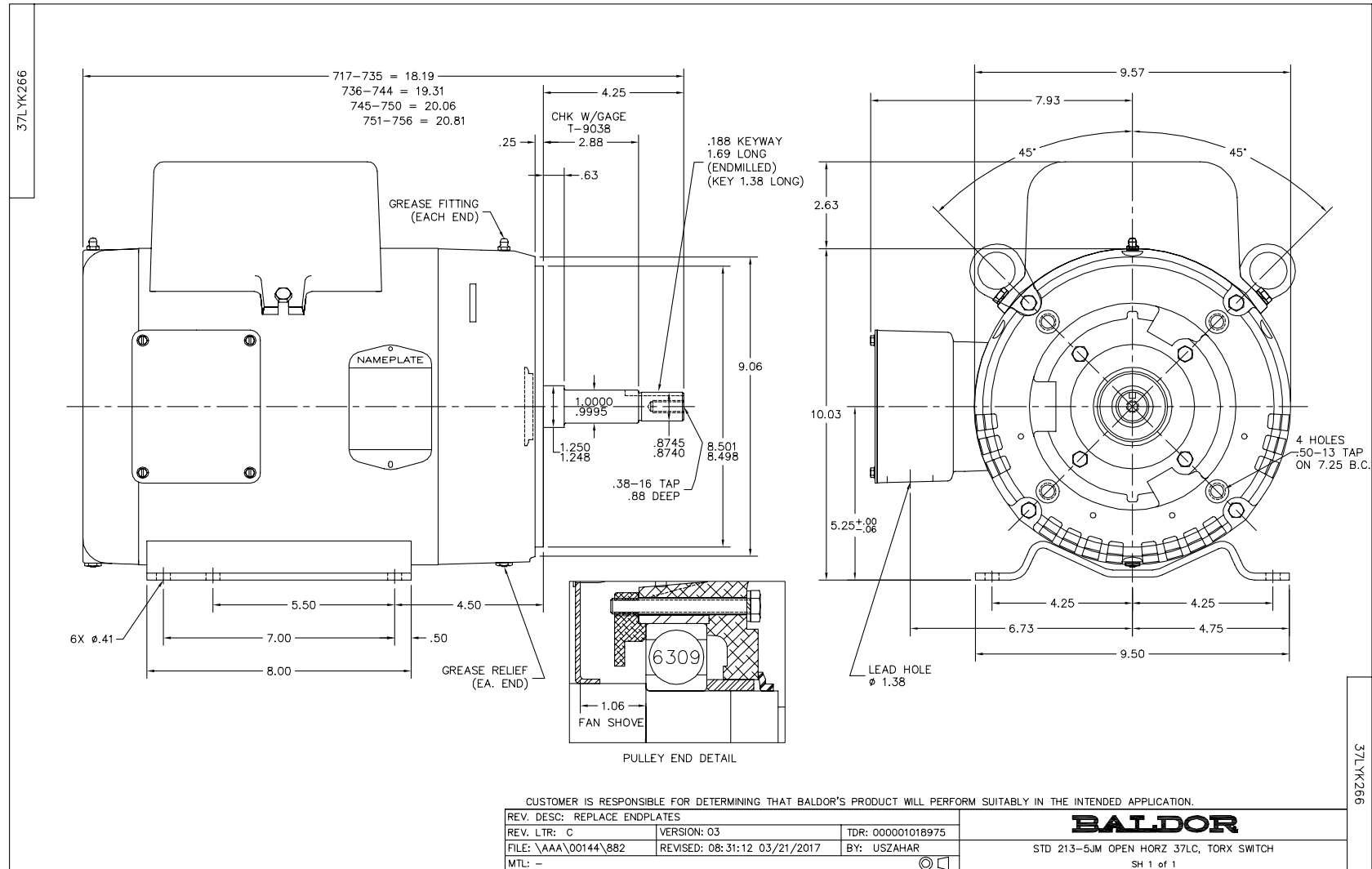
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	10			Full Load Torque	15 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	46			Breakdown Torque	46.4 LB-FT
R.P.M.	3450			Pull-up Torque	27.6 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	30.6 LB-FT
NEMA Design Code	L	KVA Code	G	Starting Current	280 A
Service Factor (S.F.)	1.15			No-load Current	19.3 A
NEMA Nom. Eff.	83	Power Factor	86	Line-line Res. @ 25°C	0.163 Ω A Ph 0.728 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	100°C
S.F. Amps				Temp. Rise @ S.F. Load	115°C

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	72	82	86	88	87	87
Efficiency	63	79.3	81.1	83.7	82.8	80.7	83.2
Speed	3587	3570	3552	3536	3512	3482	3522
Line amperes	23.5	29	37.2	45.5	55.6	68.6	51.6

Performance Graph at 230V, 60Hz, 10.0HP Typical performance - Not guaranteed values





CD0017A01

