

BALDOR® • RELIANCE

Product Information Packet

JMWDM3613T

5HP,3450RPM,3PH,60HZ,184JM,3626M,TEFC,F1

Part Detail							
Revision:	L	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT850	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36K605	Layout:	36LYK605	Poles:	02	Created Date:	06-15-2010
Base:	RG	Eff. Date:	03-08-2016	Leads:	9#16		

Specs			
Catalog Number:	JMWDM3613T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	184JM	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	5.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 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:	3626M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	93
	CSA	Product Family:	Wash Down
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:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	11.600 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	12.600 A @ 208.0 V	Shaft Rotation:	Reversible
	5.800 A @ 460.0 V	Shaft Slinger Indicator:	Shaft 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 NP1496L										
CAT.NO.	JMWDM3613T									
SPEC.	36K605T850H1									
HP	5									
VOLTS	208-230/460									
AMP	12.6-11.6/5.8									
RPM	3450									
FRAME	184JM				HZ	60			PH	3
SER.F.	1.15		CODE	K	DES	B		CLASS	F	
NEMA-NOM-EFF	87.5		PF	93						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6207			ODE	6205					
ENCL	TEFC		SN							

AC Induction Motor Performance Data

Record # 36950 - Typical performance - not guaranteed values

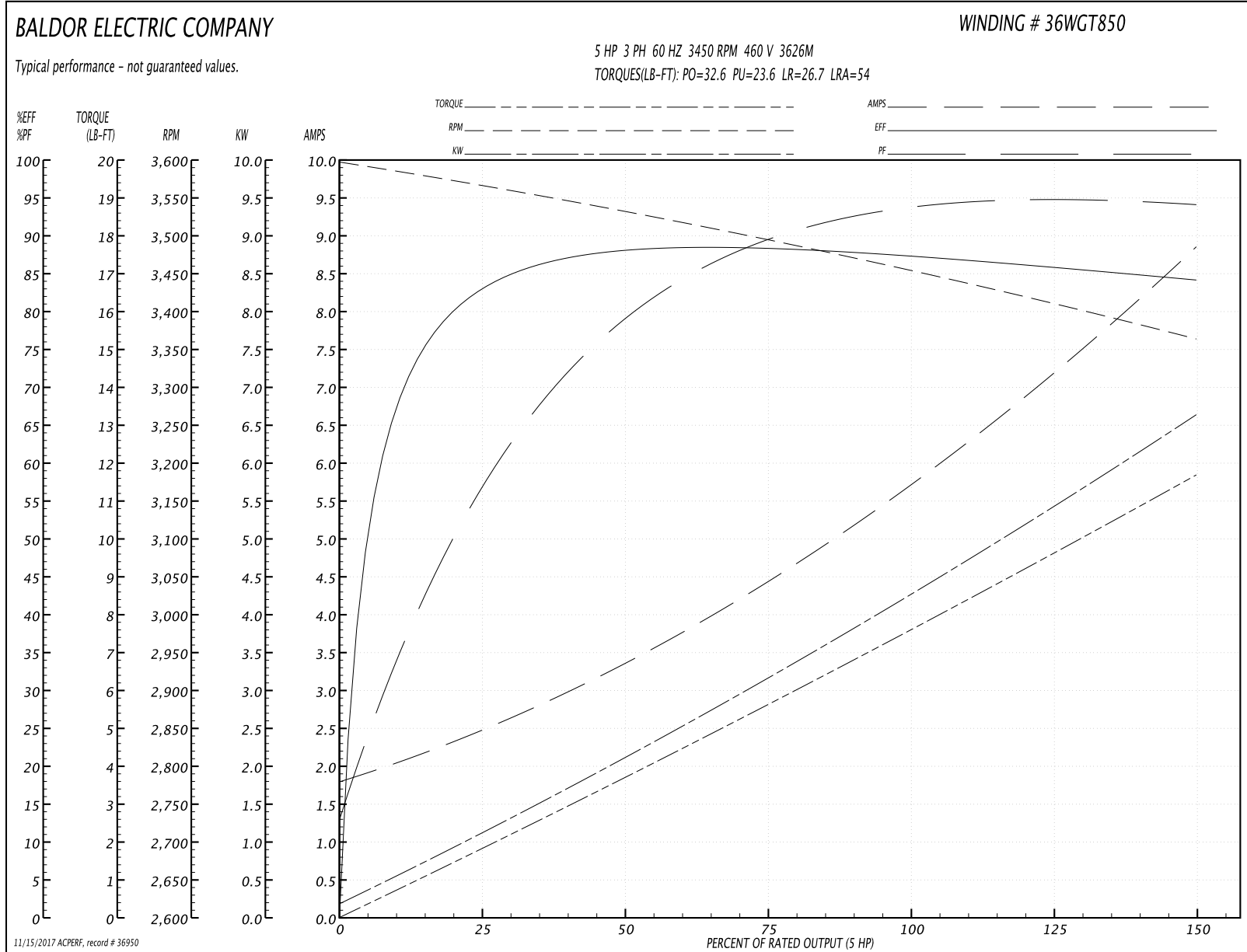
Winding: 36WGT850-R001	Type: 3626M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	7.65 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	12.6-11.6/5.8			Breakdown Torque	32.6 LB-FT
R.P.M.	3450			Pull-up Torque	23.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	26.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	54 A
Service Factor (S.F.)	1.15			No-load Current	1.89 A
NEMA Nom. Eff.	87.5	Power Factor	93	Line-line Res. @ 25°C	2.5657 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps				Temp. Rise @ S.F. Load	88°C
				Locked-rotor Power Factor	46
				Rotor inertia	0.116 LB-FT ²

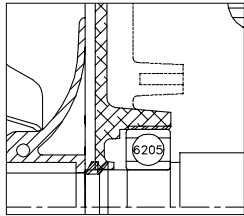
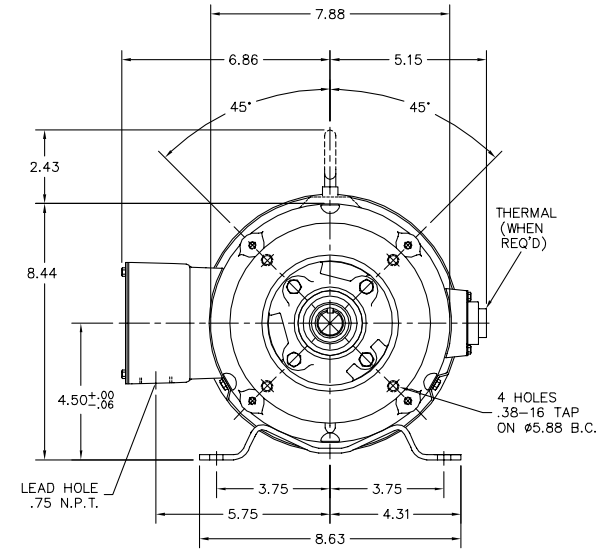
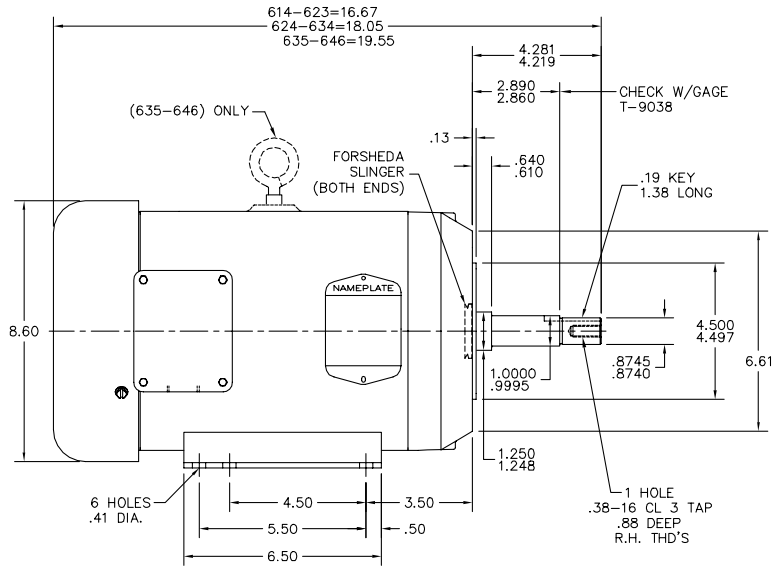
Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	81	89	93	94	95	94
Efficiency	82.4	87.8	88.3	87.5	86	84.1	86.6
Speed	3564.4	3530	3493.7	3454.3	3411.7	3362.6	3429
Line amperes	2.34	3.36	4.52	5.79	7.24	8.8	6.66

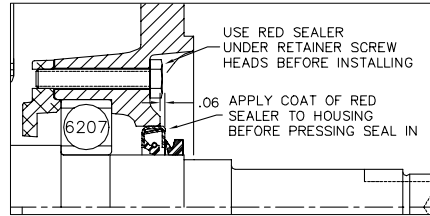
Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



36LYK605



FRONT END SLINGER DETAIL



PULLEY END SEAL AND SLINGER DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REPLACE HA1005AD3 WITH HW4600B32	VERSION: 01	TDR: 000000798198
REV. LTR: A	REVISED: 05:01:43 05/03/2013	BY: ENCARJ0
FILE: \AAA\00093\190		
MTL: -		

BALDOR

HOR 182-4JM TEFC 36M WD

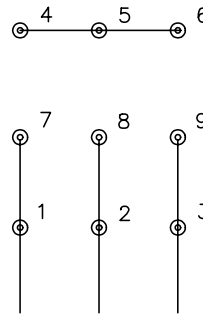
SH 1 of 1

36LYK605

CD0005

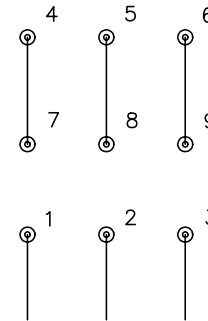


LOW VOLTAGE
(2Y)



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