



Product Information Packet

EJMM3613T

5HP,3470RPM,3PH,60HZ,184JM,3630M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGQ043	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36H017	Layout:	36LYH017	Poles:	02	Created Date:	12-15-2020
Base:	RG	Eff. Date:	05-18-2022	Leads:	9#16		

Specs			
Catalog Number:	EJMM3613T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	184JM	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	5.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	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:	3630M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	91
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	5.800 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	12.800 A @ 208.0 V	Shaft Rotation:	Reversible
	11.600 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	A	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 NP3441LUA

CAT.NO.	EJMM3613T										
SPEC	36H017Q043G1										
HP	5										
VOLTS	230/460										
AMPS	11.6/5.8										
RPM	3470										
FRAME	184JM				HZ		60			PH	3
SF	1.15		CODE		L	DES		A	CLASS		F
NEMA NOM. EFF	88.5			PF		91					
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V							12.8
ENCL	TEFC		SER								
DE	6207				ODE		6205				
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50HZ 5HP 190/380V 14.2/7.1A										

AC Induction Motor Performance Data

Record # 85858

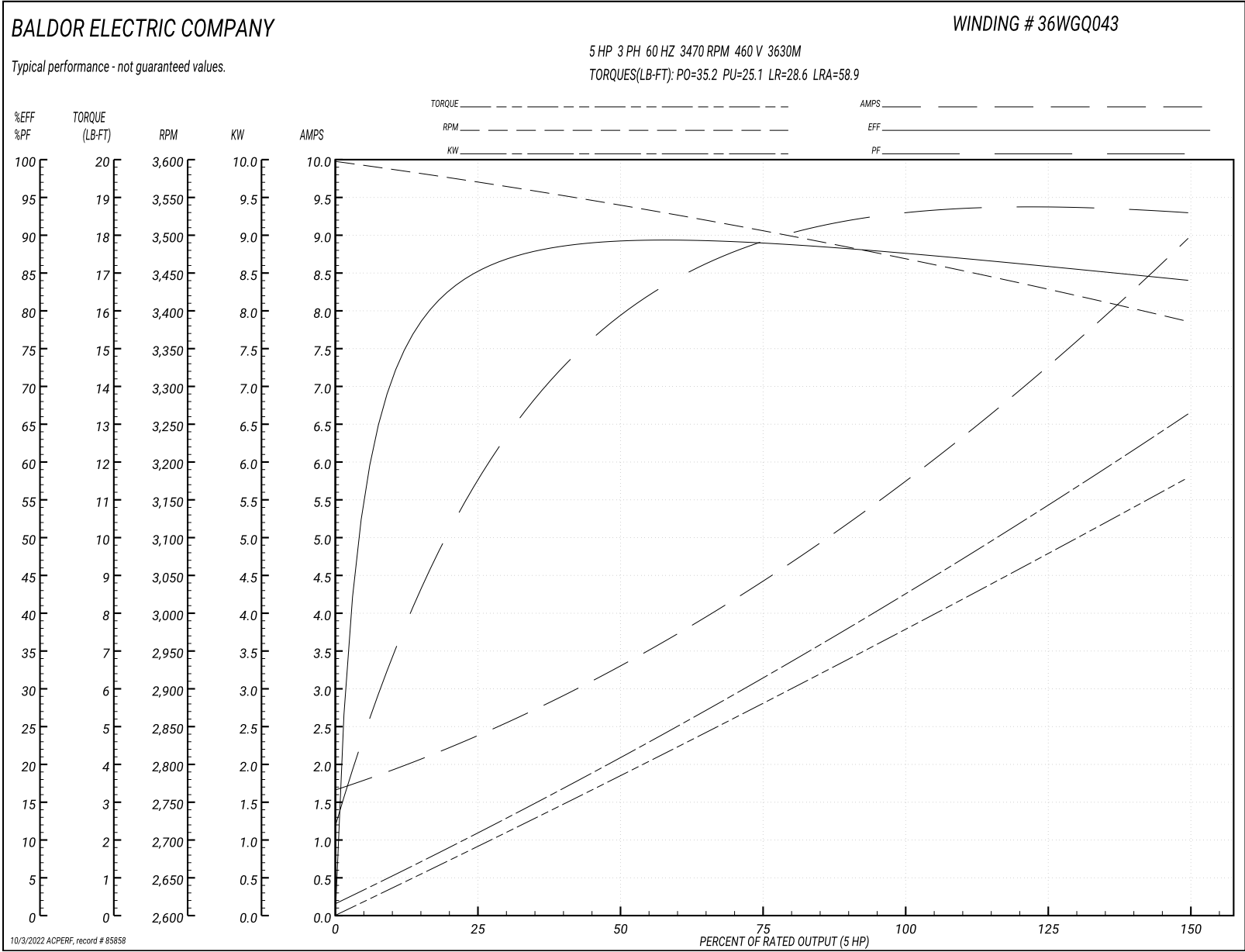
Preliminary Data Sheet

Winding: 36WGQ043-RXXX			Type: 3630M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		5	Full Load Torque		7.57 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		11.6/5.8	Breakdown Torque		35.2 LB-FT		
R.P.M.		3470	Pull-up Torque		25.1 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		28.6 LB-FT	
NEMA Design Code		A	KVA Code	L	Starting Current		58.9 A
Service Factor (S.F.)		1.15	No-load Current		1.75 A		
NEMA Nom. Eff.		88.5	Power Factor	91	Line-line Res. @ 25°C		2.57 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		76°C
S.F. Amps		13.4/6.7	Temp. Rise @ S.F. Load		102°C		
			Locked-rotor Power Factor		65.7		
			Rotor inertia		0.134 lb-ft²		

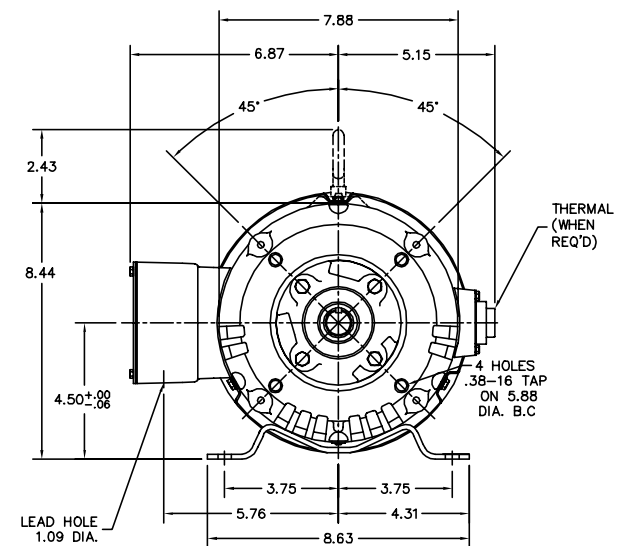
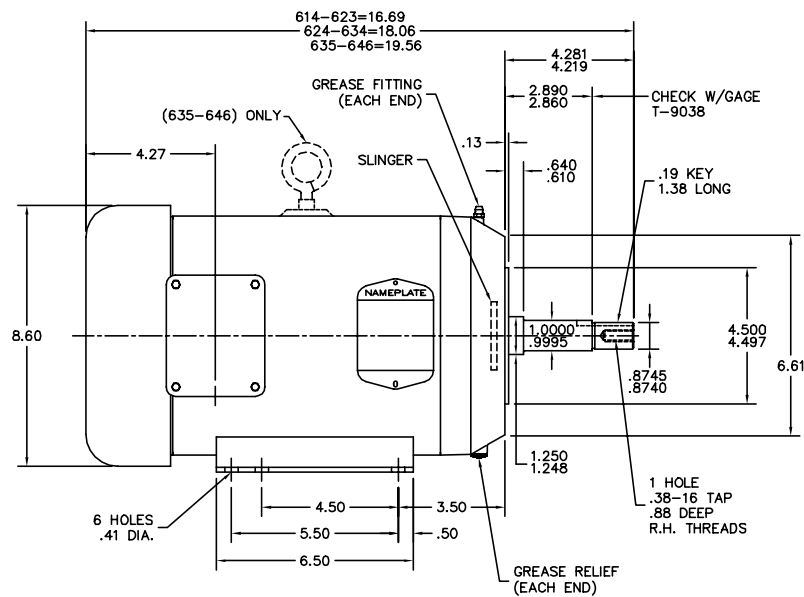
Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	81	88	92	93	94	93
Efficiency	85.6	89.6	89.7	88.7	87.1	85.1	87.8
Speed	3570	3540	3505	3469	3430	3385	3436
Line amperes	2.26	3.25	4.48	5.81	7.28	8.92	6.68

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



36LYH017



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC:	ADDED KOBX LEAD HOLE DIM
REV. LTR:	M
BY:	RMP
REVISED:	07:25:39 09/09/2004
FILE:	AAA00004174
MTL:	-
TDR:	342770
REF:	36LYH017

BALDOR ELECTRIC Co.

STD HORZ 182-4JM TEFC 36M

36LYH017

