



Product Information Packet

EM3613T-G

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

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGQ043	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36M524	Layout:	36LYM524	Poles:	02	Created Date:	12-15-2020
Base:	RG	Eff. Date:	06-16-2021	Leads:	9#16		

Specs			
Catalog Number:	EM3613T-G	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	H
Frame:	184T	Inverter Code:	Inverter Ready
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:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 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:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	Shaft Grounding
Current @ Voltage:	11.600 A @ 230.0 V	Shaft Rotation:	Reversible
	5.800 A @ 460.0 V	Shaft Slinger Indicator:	No 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.	EM3613T-G										
SPEC	36M524Q043G1										
HP	5										
VOLTS	230/460										
AMPS	11.6/5.8										
RPM	3470										
FRAME	184T				HZ		60			PH	3
SF	1.15			CODE	L	DES		A	CLASS	H	
NEMA NOM. EFF	88.5				PF	91					
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						
ENCL	TEFC			SER							
DE	6206				ODE	6205					
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1											
	50HZ 5HP 190/380V 14.2/7.1A										
	SF1.0										

AC Induction Motor Performance Data

Record # 85858

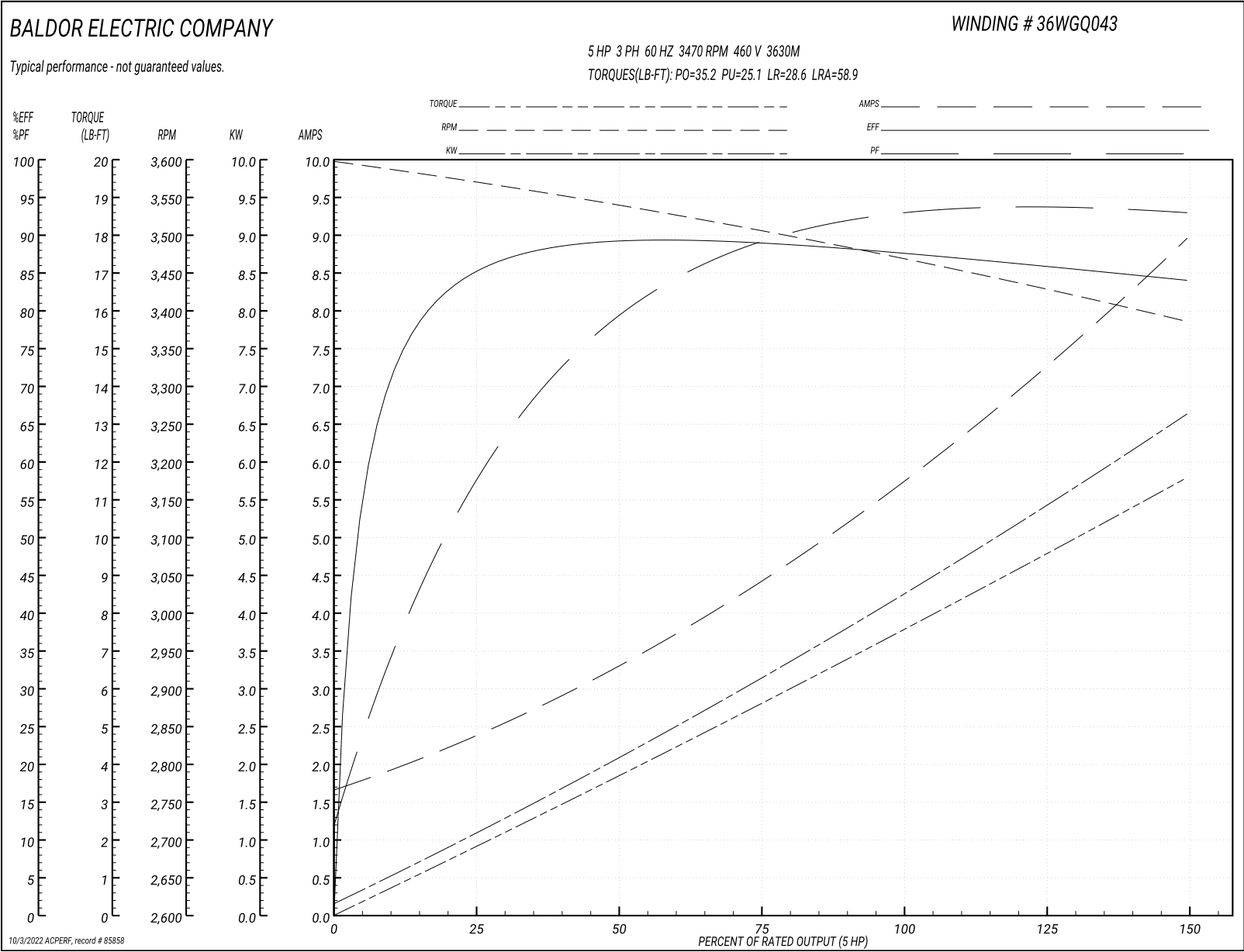
Preliminary Data Sheet

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

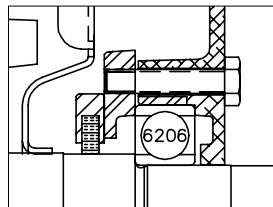
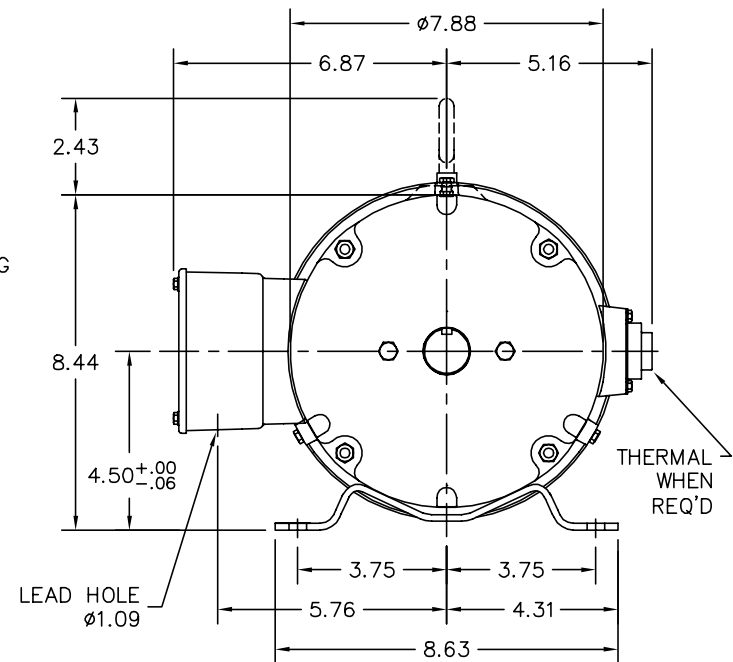
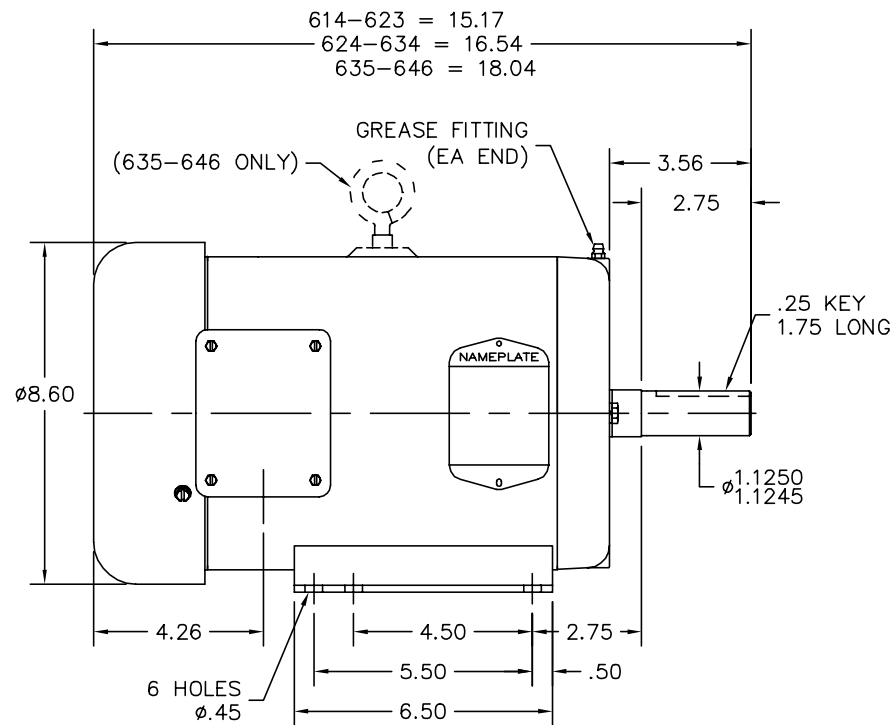
Load Characteristics 460 V, 60 Hz, 5 HP

% 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



36LYM524



PU END DETAIL

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

REV. DESC: CHG RET RING

REV. LTR: A

VERSION: 01

TDR: 000000582987

FILE: \AAA\00174\538

REVISED: 09:55:57 03/05/2011

MTL: -

BY: ENWINBO

BALDOR

HOR 182-4T TEFC M, AEGIS INT GND

SH 1 of 1

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