BALDOR • RELIANCE

Product Information Packet

EJMM3613T

5HP,3470RPM,3PH,60HZ,184JM,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:	36H017	**Layout:**	36LYH017	**Poles:**	02	**Created Date:**	12-15-2020
Base:	RG	**Eff. Date:**	06-16-2021	**Leads:**	9#16		

Specs

Catalog Number:	EJMM3613T	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	184JM	**KVA Code:**	L
Frame Material:	Steel	**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:	UR	**Power Factor:**	91
	CSA EEV	**Product Family:**	General Purpose
	CSA	**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:	11.600 A @ 230.0 V
	12.800 A @ 208.0 V
	5.800 A @ 460.0 V
Design Code:	A
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	Shaft Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
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							SF1.0

Parts List

Part Number	Description	Quantity
SA388743	SA 36H017Q043G1	1.000 EA
RA379104	RA 36H017Q043G1	1.000 EA
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
36EP3104A04	FR ENDPLATE, FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3405T03	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A103	IEC FH GREASER W/PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA

Parts List (continued)

Part Number	Description	Quantity
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3441LUA	ALUM SUPER-E VPWM INV READY UL CSA-EEV C	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

AC Induction Motor Performance Data
Record # 85858
Preliminary Data Sheet

Winding: 36WGQ043-RXXX **Type:** 3630M **Enclosure:** TEFC

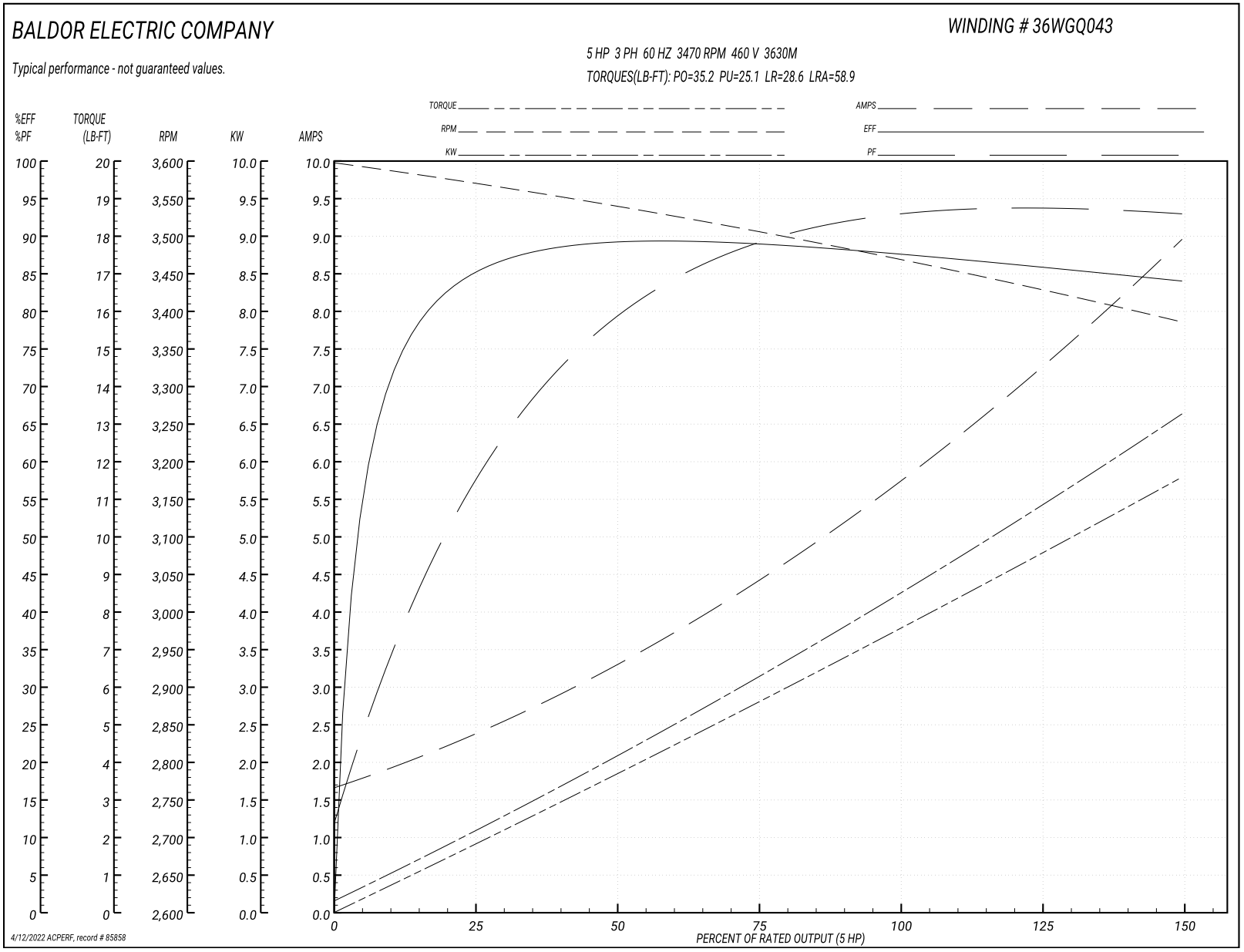
Nameplate Data		
Rated Output (HP)		5
Volts		230/460
Full Load Amps		11.6/5.8
R.P.M.		3470
Hz	60 **Phase**	3
NEMA Design Code	A **KVA Code**	L
Service Factor (S.F.)		1.15
NEMA Nom. Eff.	88.5 **Power Factor**	91
Rating - Duty		40C AMB-CONT
S.F. Amps		13.4/6.7

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	7.57 LB-FT
Start Configuration	direct on line
Breakdown Torque	35.2 LB-FT
Pull-up Torque	25.1 LB-FT
Locked-rotor Torque	28.6 LB-FT
Starting Current	58.9 A
No-load Current	1.75 A
Line-line Res. @ 25ºC	2.57 Ω
Temp. Rise @ Rated Load	76°C
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



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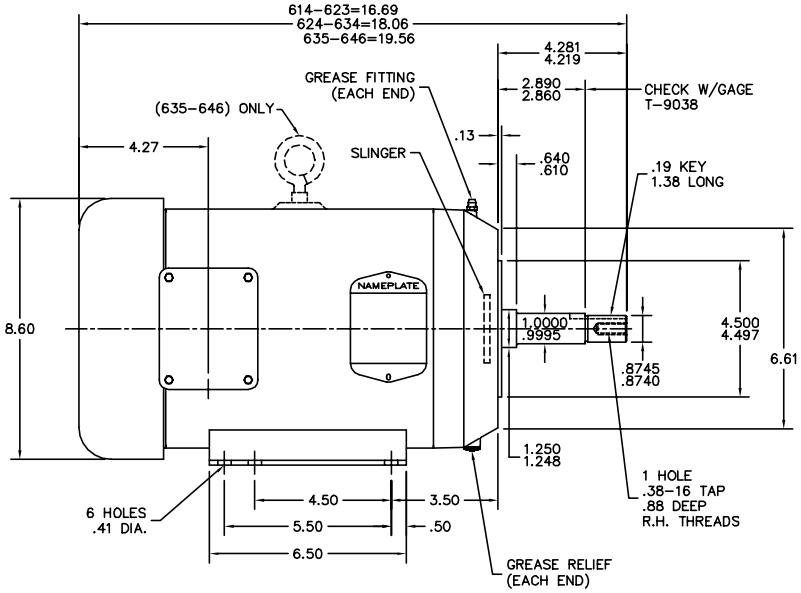
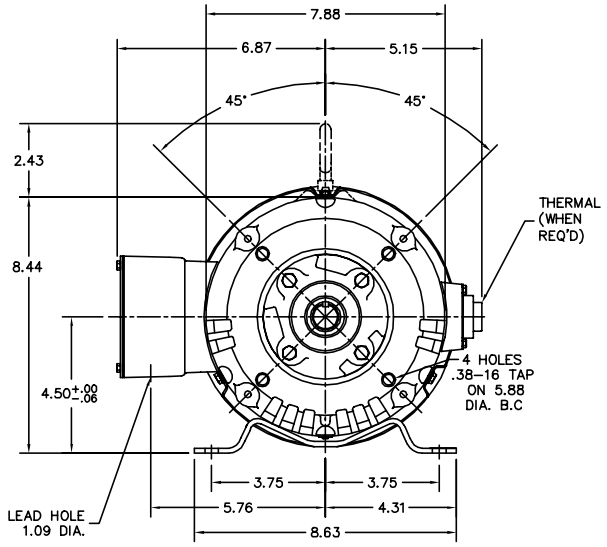




CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

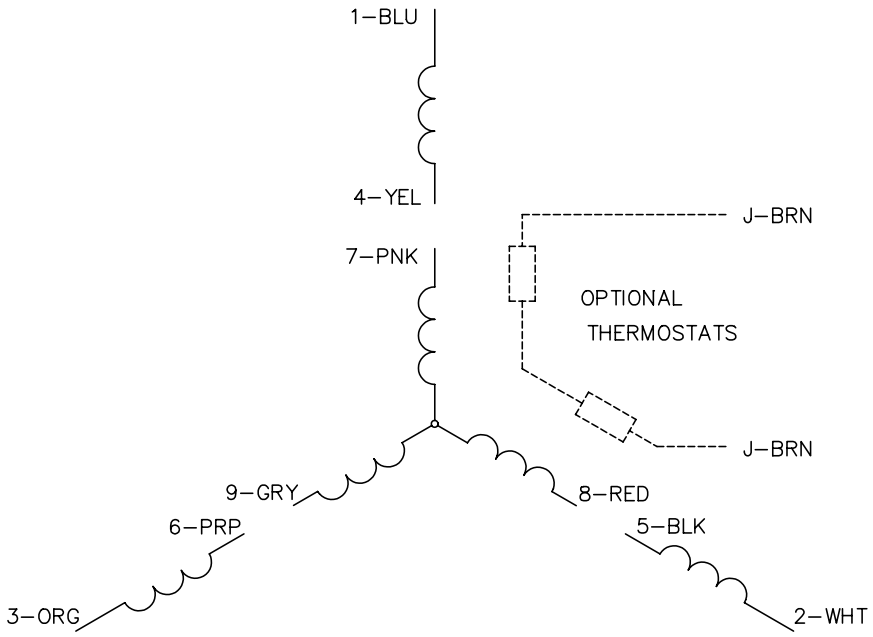
REV. DESC: ADDED KOBX LEAD HOLE DIM			
REV. LTR: M	BY: RMP	REVISED: 07:25:39 09/09/2004	TDR: 342770
FILE: AAA00004174			REF: 36LYH017
MTL: –			

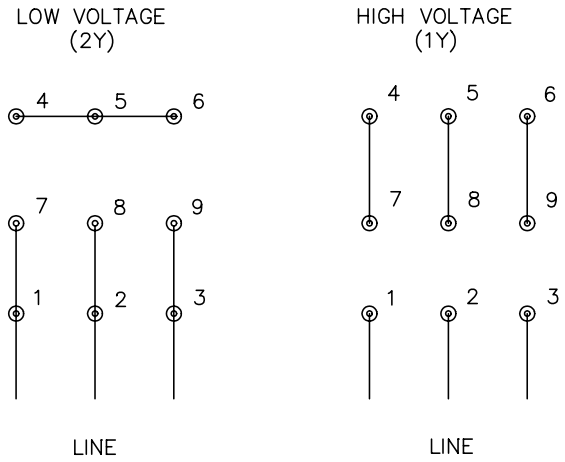
BALDOR ELECTRIC Co.

STD HORZ 182-4JM TEFC 36M

36LYH017

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS