

MK Diamond Products, Inc.
 1315 Storm Parkway
 Torrance, CA 90509-2803

SPECIFICATION SHEET			Date 05/19/09
MK Part Number 167538	MK Description MTR,10HP 230/380/440V 3PH 50HZ	Revision A	
Manufacturer P/N M3714T-50	Manufacturer Description 10HP,1460RPM,3PH,50HZ,215T,3744M,TEFC,F1		
Manufacturer Information BALDOR	Vendor Information POWER REPS	Alternate Manufacturer Or Equivalent	
Specifications: <div style="text-align: center; margin-top: 10px;">See .pdf file for specs</div>			
Rev	Description	Date	Approved
-	Initial Release	05/19/09	JRJ
A	NO CHANGE, BALDOR NO LONGER MANF	10/9/18	SSH



BALDOR® • *RELIANCE*

Product Information Packet

M3714T-50

10HP, 1465RPM, 3PH, 50HZ, 215T, 3744M, TEFC, F1

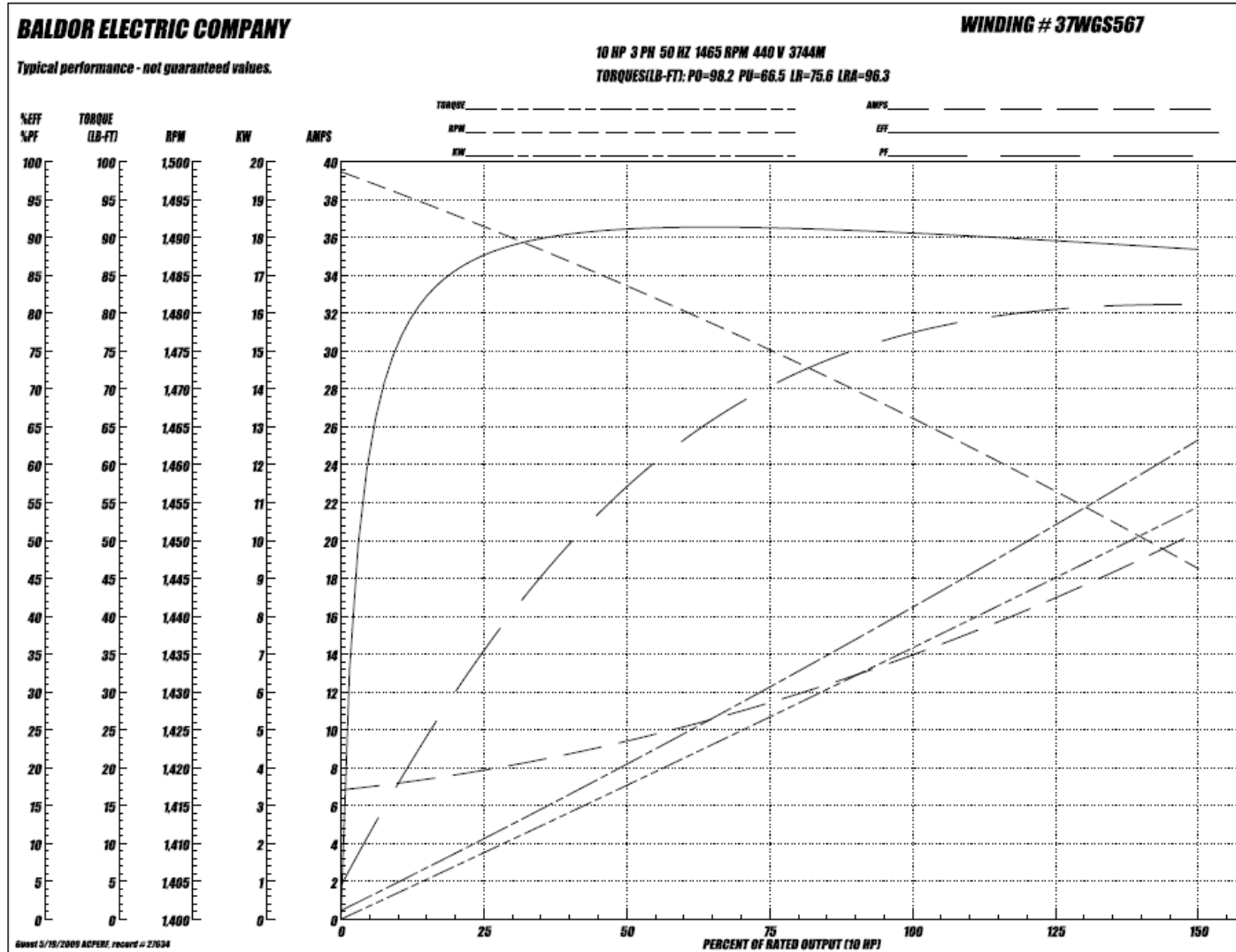
Product Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	3744M	Elec. Spec:	37WGS567	CD Diagram:	CD0044
Enclosure	TEFC	Mfg Plant:		Mech Spec:	37A001	Layout:	37LYA001
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	09-18-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-08-2009
Leads:	12#14	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1372L							
CAT.NO.	M3714T-50						
SPEC.	37A001S567G1						
HP	10						
VOLTS	220/380/440						
AMP	28.4/16.4/14.2						
RPM	1465						
FRAME	215T	HZ	50	PH	3		
SER.F.	1.15	CODE	J	DES	A	CL	F
NEMA-NOM-EFF	91	PF	78				
RATING	40C AMB-CONT						
CC				USABLE AT 208V			
DE	6307	ODE	6206				
ENCL	TEFC	SN					

Parts List			
Product ID	Description	Quantity	List Price
SA177220	SA 37A001S567G1	1.000	631.00
RA165266	RA 37A001S567G1	1.000	526.00
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000	4.00
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000	17.00
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000	4.00
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000	3.00
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000	4.00
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000	143.00
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000	3.00
HW5100A06		1.000	3.00
37EP3100A01SP	STD PU ENDPLATE, ENCL,37 "T"-307 BRG, W/	1.000	122.00
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000	3.00
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000	3.00
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000	3.00
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000	47.00
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000	4.00
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000	3.00
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000	3.00
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000	3.00
HW2501F21	KEY, 5/16 SQ X 2.375	1.000	5.00
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000	3.00
LB1115	LABEL,LIFTING DEVICE (ON ROLLS0	1.000	3.00
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000	3.00
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	12.00

Parts List (continued)			
Product ID	Description	Quantity	List Price
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.028	4,000.00
37FN3002A01SP		1.000	33.00
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000	3.00
LB1119	WARNING LABEL	1.000	3.00
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000	3.00
LB5040	INSTRUCTION TAG, AC & DC	1.000	3.00
LC0044	CONNECTION DIAGRAM	1.000	4.00
NP1372L	STD NP LASER ENGRAVED, UL CSA CE CC, W/O	1.000	
36PA1001	PACKAGING GROUP	1.000	30.00

Performance Data at 440V, 50Hz, 10.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	36.1 LB-FT			Start Configuration:	DOL		
No-Load Current:	7.04 Amps			Break-Down Torque:	98.2 LB-FT		
Line-line Res. @ 25°C.:	1.09 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	66.5 LB-FT		
Temp. Rise @ Rated Load:	90°C			Locked-Rotor Torque:	75.6 LB-FT		
Temp. Rise @ S.F. Load:	111°C			Starting Current:	96.3 Amps		
Load Characteristics							
% of Rated Load:	25	50	75	100	125	150	S.F.
Power Factor:	36.0	58.0	70.0	76.0	80.0	82.0	78.0
Efficiency:	87.0	90.6	91.2	90.8	89.7	88.3	90.1
Speed:	1491.0	1484.0	1475.0	1466.0	1457.0	1446.0	1461.0
Line Amperes:	7.63	9.16	11.5	14.2	17.1	20.3	15.9

Performance Graph at 440V, 50Hz, 10.0HP (Typical performance - Not guaranteed values)



Performance Data at 415V, 50Hz, 10.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	36.0 LB-FT			Start Configuration:	DOL		
No-Load Current:	11.6 Amps			Break-Down Torque:	119.0 LB-FT		
Line-line Res. @ 25°C.:	0.818 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	83.5 LB-FT		
Temp. Rise @ Rated Load:	98°C			Locked-Rotor Torque:	94.9 LB-FT		
Temp. Rise @ S.F. Load:	117°C			Starting Current:	126.0 Amps		
Load Characteristics							
% of Rated Load:	25	50	75	100	125	150	S.F.
Power Factor:	25.0	44.0	56.0	65.0	70.0	75.0	68.0
Efficiency:	82.6	88.6	90.0	90.1	89.5	88.5	89.7
Speed:	1492.0	1486.0	1478.0	1470.0	1462.0	1453.0	1465.0
Line Amperes:	12.1	13.4	15.5	17.9	20.6	23.6	19.5

Performance Graph at 415V, 50Hz, 10.0HP (Typical performance - Not guaranteed values)

