

BALDOR® • RELIANCE

Product Information Packet

M3218T-50

5HP,1425RPM,3PH,50HZ,184T,3640M,OPEN,F1

Part Detail							
Revision:	AA	Status:	NLA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGX390	CD Diagram:	CD0044
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	36B001	Layout:	36LYB001
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-17-2012
Leads:	12#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1372L									
CAT.NO.									
SPEC.	36B01X390								
HP	5								
VOLTS	220/380/440								
AMP	14.4/8.3/7.2								
RPM	1425								
FRAME	184T	HZ			50	PH		3	
SER.F.	1.15	CODE			J	DES		B	CL F
NEMA-NOM-EFF	84	PF			83				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6206	ODE			6205				
ENCL	OPEN	SN							

Parts List		
Part Number	Description	Quantity
SA034229	SA 36B01X390	1.000 EA
RA030257	RA 36B01X390	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3200A01SP	FR ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3201A01	PU ENDPLATE, MACH 182-4T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0044	CONNECTION DIAGRAM	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10981 - Typical performance - not guaranteed values

Winding: 36WGX390-R001	Type: 3640M	Enclosure: OPEN
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Nameplate Data				440 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	18.4 LB-FT
Volts	220/380/440			Start Configuration	direct on line
Full Load Amps	14.4/8.3/7.2			Breakdown Torque	77 LB-FT
R.P.M.	1425			Pull-up Torque	58 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	73 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	54 A
Service Factor (S.F.)	1.15			No-load Current	3.8 A
NEMA Nom. Eff.	84	Power Factor	83	Line-line Res. @ 25°C	2.73 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C
S.F. Amps				Temp. Rise @ S.F. Load	102°C
				Rotor inertia	0.375 LF ²

Load Characteristics 440 V, 50 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	62	75	82	86	88	84
Efficiency	74.7	82.7	84.5	84.4	83.3	81.6	83.7
Speed	1483	1467	1450	1431	1411	1388	1419
Line amperes	4.1	4.8	5.8	7.1	8.5	10.2	7.9

Performance Graph at 440V, 50Hz, 5.0HP Typical performance - Not guaranteed values





