

BALDOR® • RELIANCE

Product Information Packet

M3615T-50

5HP,1450RPM,3PH,50HZ,184T,3640M,TEFC,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3640M	Elec. Spec:	36WGY432	CD Diagram:	CD0044
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A001	Layout:	36LYA001
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	09-18-2008
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-17-2012
Leads:	12#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.										
SPEC.	36A001Y432G1									
HP	5									
VOLTS	220/380/440									
AMP	14.8/8.6/7.4									
RPM	1450									
FRAME	184T	HZ			50	PH		3		
SER.F.	1.15	CODE			J	DES		B	CLASS	F
NEMA-NOM-EFF	84	PF			80					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6206	ODE			6205					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA177221	SA 36A001Y432G1	1.000 EA
RA165267	RA 36A001Y432G1	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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	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

Parts List (continued)		
Part Number	Description	Quantity
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
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
LB1119N	WARNING LABEL	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0044	CONNECTION DIAGRAM	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 11320 - Typical performance - not guaranteed values

Winding: 36WGY432-R001	Type: 3640M	Enclosure: TEFC
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Nameplate Data				440 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	18.2 LB-FT
Volts	220/380/440			Start Configuration	direct on line
Full Load Amps	14.8/8.6/7.4			Breakdown Torque	56 LB-FT
R.P.M.	1450			Pull-up Torque	33 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	46 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	49.5 A
Service Factor (S.F.)	1.15			No-load Current	3.8 A
NEMA Nom. Eff.	84	Power Factor	80	Line-line Res. @ 25°C	2.54 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	89°C
S.F. Amps				Temp. Rise @ S.F. Load	109°C
				Rotor inertia	0.372 LF ²

Load Characteristics 440 V, 50 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	59	71	78	82	84	0
Efficiency	77.1	84.3	85.6	85	83.5	81.4	0
Speed	1486	1473	1460	1445	1427	1407	0
Line amperes	4.1	4.9	6	7.4	8.9	10.7	8.3

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





