

BALDOR® • RELIANCE

Product Information Packet

M4118T

25HP,3510RPM,3PH,60HZ,256T,0942M,TEFC,F1

Part Detail							
Revision:	Q	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0942M	Elec. Spec:	09WGY354	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09C101	Layout:	09LYC101
Frame:	256T	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-29-2008
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M4118T									
SPEC.	09C101Y354H1									
HP	25									
VOLTS	230/460									
AMP	56/28									
RPM	3510									
FRAME	256T	HZ			60	PH		3		
SER.F.	1.15	CODE			J	DES		A	CLASS	F
NEMA-NOM-EFF	91	PF			91					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			62					
DE	6309	ODE			6208					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA084549	SA 09C101Y354H1	1.000 EA
RA077715	RA 09C101Y354H1	1.000 EA
S/P101-000-001	EPACT PROC-ZK 250FR,SMALL BOX,POLYREX EM	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A14SP	ENDPLATE, MACH	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
09EP1101A11SP	PU ENDPLATE, MACH	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3113A02	THRUBOLT 3/8-16 X 16.750	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
09FH4000SP	FAN COVER, STAMPED	1.000 EA
HA2081A05	SPACER TUBE, 309 FAN HSG, 2.00 LONG	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4001A01SP	DRAIN PLUG, PLASTIC (MICRO PLAS)	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.500 ID	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA

Accessories		
Part Number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 1969 - Typical performance - not guaranteed values

Winding: 09WGY354-R001	Type: 0942M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	37.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	56/28			Breakdown Torque	170 LB-FT
R.P.M.	3510			Pull-up Torque	57.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	82.1 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	227 A
Service Factor (S.F.)	1.15			No-load Current	8.62 A
NEMA Nom. Eff.	91	Power Factor	91	Line-line Res. @ 25°C	0.299 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	98°C
				Rotor inertia	1.07 LF ²

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	61	81	88	91	91	92	91
Efficiency	87.5	91.4	91.9	91.4	90.5	89.2	90.9
Speed	3580	3560	3539	3517	3493	3466	3503
Line amperes	11.04	15.91	21.82	28.3	35.4	43	32.6

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





