

BALDOR® • RELIANCE

Product Information Packet

M2393

10HP,3500RPM,3PH,60HZ,254U,0727M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0727M	Elec. Spec:	07WGY013	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07H287	Layout:	07LYH287
Frame:	254U	Mounting:	F1	Poles:	02	Created Date:	09-12-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M2393									
SPEC.	07H287Y013H1									
HP	10									
VOLTS	208-230/460									
AMP	26-24/12									
RPM	3500									
FRAME	254U	HZ			60	PH		3		
SER.F.	1.15	CODE			H	DES		B	CLASS	F
NEMA-NOM-EFF	89.5	PF			86					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6309	ODE			6307					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA250974	SA 07H287Y013H1	1.000 EA
RA237822	RA 07H287Y013H1	1.000 EA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
HW3201A01	1/2-13 EYEBOLT	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
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
37EP1101A03	FR/PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
07EP1116A01	ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 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
HW2501F24	KEY, 5/16 SQ X 2.750	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

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.036 GA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1302	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 35429 - Typical performance - not guaranteed values

Winding: 07WGY013-R001	Type: 0727M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	14.9 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	26-24/12			Breakdown Torque	52.4 LB-FT
R.P.M.	3500			Pull-up Torque	23.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	24.5 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	81.5 A
Service Factor (S.F.)	1.15			No-load Current	4.58 A
NEMA Nom. Eff.	89.5	Power Factor	86	Line-line Res. @ 25°C	1.0162 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C
				Rotor inertia	0.246 LF ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	81	86	88	88	87
Efficiency	85.2	90.2	91	90.7	89.8	88.5	90.2
Speed	3577.5	3554.7	3530.8	3502.1	3472.4	3439.4	3484
Line amperes	5.37	7.07	9.37	11.9	14.7	17.9	13.6

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values





