

Messrs. \_\_\_\_\_

**L-0 model**

Sebango code: AZ	MH	PT
Assy / B1:		
TB / C1:		
Pack / F1:		
Prod.Eng:		
Data:		

Drawing No.	G2-14120-0050(1/3)
DATE	Nov. 30th, 2005
Revision No.	
Revision Date	
Design model ID	714120E
Product. model ID	114126A

# Engine Specification

## For L48N6FF1P1AA

(Standard for Tiller : Recoil starting)

Contents		
Engine specifications		G2-14120-0050(2/3)
Engine performance		G2-14120-0050(2/3)
Details of specifications		G2-14120-0050(3/3)
Attached	Outline	B2-14120-0050
	Labels	G2-14120-2010
	Performance curve	
	Tools	C2-14110-0010
	Wiring	----



Revision	(Nov.30th.2005)Registered by YITILU050092 After finishing Test in YJ,we will reissue with Spring Position & Performance Curve etc
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YI Engineering Dept.		
Manager	Checked	Drawn
J. Samo	N. Nishimura	N. Nishimura

Revision No.			
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G2-14120-0050 (2/3)

## 1.Engine Specification

Model name			L48N6FF1P1AA
Type			4-stroke,vertical-cyl,air-cooled diesel
Combustion system			Direct injection
No. of cyl.-bore × stroke		mm	1- φ 70 × 57
Displacement		liter	0.219
Output	Continuous	kW/min <sup>-1</sup>	* 3.1 ( 4.2PS ,4.2HP) / 3600
	Maximum	kW/min <sup>-1</sup>	* 3.5 ( 4.7PS ,4.7HP) / 3600
PTO Shaft	PTO position		Crankshaft
	Direction of rotation		Counterclockwise viewed from PTO side
Injection Timing (FIC-air)		deg.	bTDC.16.5 ± 1.0
Fuel	Oil selection		Diesel fuel
	Tank capacity	liter	2.4
Lubricating	Oil selection		SAE 10W30,API grade CD or higher
	Oil capacity	liter	0.8 (effective,0.25)
Cooling system			Forced air cooling by flywheel fan
Starting system			Re-coil starter
Governor			All speed type, mechanical
Balancer shaft			Single balancer shaft
Air cleaner			Wet type paper element filter
Exhaust silencer			Expansion silencer with cover
Generator (at 3600min <sup>-1</sup> )			NA
Dimensions		mm	Indication in outline drawing
Dry weight		kg	Approx. 27.0

\* Output is given for normal atmosphere conditions and Specs, which are defined as follows:

- Atmospheric pressure: 100 kPa (750mmHg)
- Atmospheric temperature: 25°C
- Relative humidity: 30%

## 2.Engine performance

Speed at no load	Minimum	min <sup>-1</sup>	1200 or more	PTO Shaft (Without minimum idling speed adjust bolt. Adjustable figure by your end.)
	Maximum		3800 ± 30	
Governor regulation	Instantaneous speed difference	%	8 or less	
	Permanent speed change		5 or less	
	Recovery time	sec.	5 or less	
	Speed fluctuation	min <sup>-1</sup>	30 or less	
Permissible angle of inclination	Continuous	deg.	20	Operation of up to 3 minutes
	Intermittent		30	
Lowest start temperature	Re-coil starting	°C	0	Without starting aid agent

Revision No.			
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G2-14120-0050 (3/3)

### 3.Details of specifications (STD SPEC. L48N6CA1T1AA)

System	Part name	Code	STD Spec.	Specification	Remarks
Fuel System	Fuel tank	Bm-a	3	same as STD.	Color : Yanmar Black
	Tank stay (A)		114299-55210	same as STD.	
	Tank stay (B)		114299-55230	same as STD.	
	Nozzle, Fuel injection		714120-53100	same as STD.	
Lubricating System	Oil pressure switch	Cm-a	NA	same as STD.	
Cooling System	Flywheel	Dm-a	1	same as STD.	DE Type
	Fan case	Dm-b	1	same as STD.	Color : Gold Silver
Electric System	Electric Regulator & Harness, wire	-	114399-77550	NA	
	Dynamo Assy.	-	114399-78260	NA	
	Air heater	Em-a	NA	same as STD.	
PTO&Flange	Crankshaft	Fm-a	9	114778-21010	E-DI type
	Crank case cover	-	114299-01450	same as STD.	D type
Intake and Exhaust System	Air cleaner	Gm-a	5	same as STD.	Lower Intake type
	Intake bend	Gm-b	114771-12010	same as STD.	
	Silencer	Gm-c	5	same as STD.	
Starting System	Recoil starter Assy.	Hm-a	3	same as STD.	
	Starting motor	Hm-b	114362-77011	NA	With cover
Speed Control System	Control device Assy.	Im-a	1	714299-66900	Tiller type
	Governor lever Assy.	-	114295-61170	same as STD.	2 lever type
	Fuel limiter Assy.	-	114211-66600	same as STD.	Torque limiter type
Decomp system	Bonnet	Lm-a	5	same as STD.	
Remarks	Fuel oil limiter : Locked by wire High idle adjust bolt : Locked by wire Lubricating Oil : Not provided Fuel Pump Model : N2A Recoil Angle: R4				
Loose parts	Key switch panel CMP		114351-77500	NA	
	Connector		NA	same as STD.	
	Deflector		114299-13800	same as STD.	
	Tools		114299-92590	same as STD.	

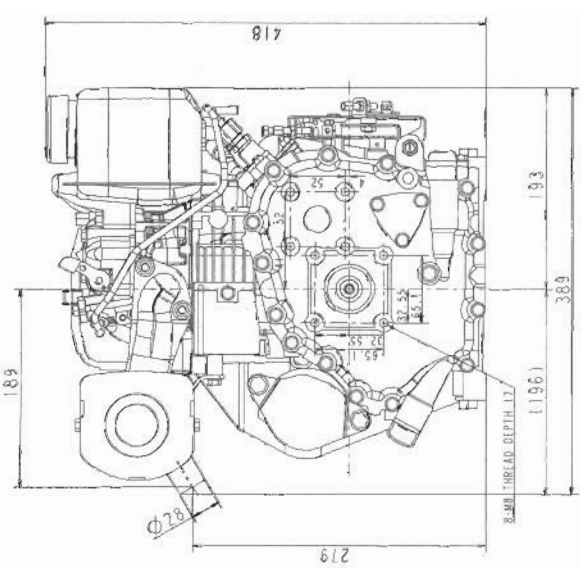
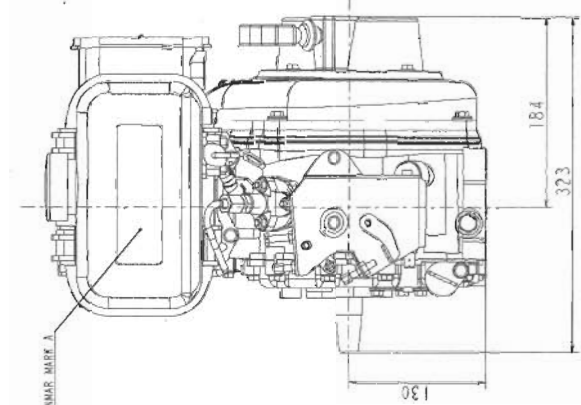
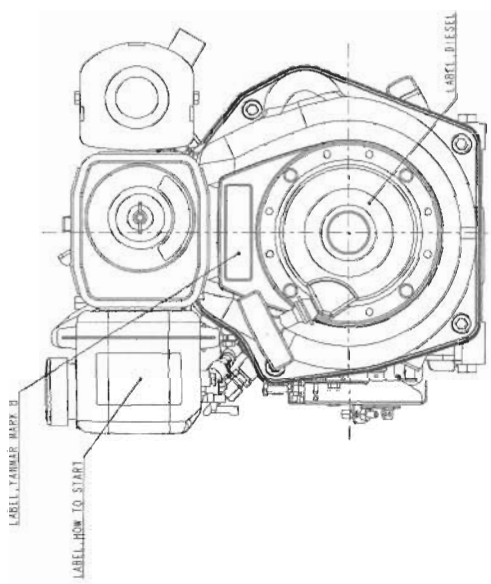
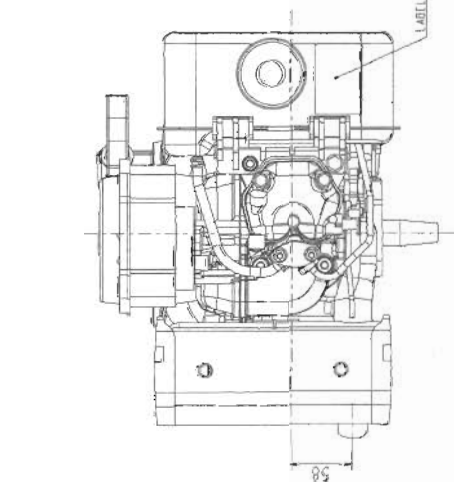
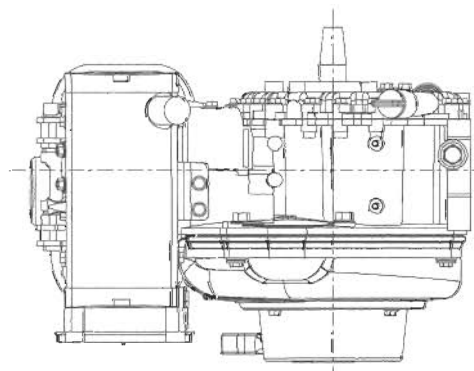
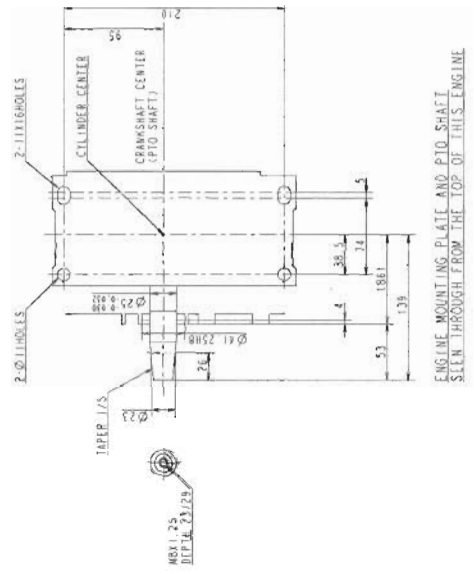
3RD ANGLE PROJECTION  
CAREER

GT. CODE  
O AND A-RADIAL

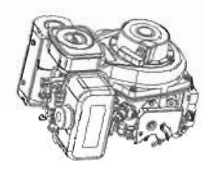
10	MAX. MODEL
18	10-20
25	21-30
32	31-40
40	41-50
50	51-60
60	61-70
70	71-80
80	81-90
90	91-100

REV.	DATE	BY	CHKD.	APP.	DESCRIPTION
1	10/10/00	J.S.M.	J.S.M.	J.S.M.	INITIAL RELEASE
2	11/10/00	J.S.M.	J.S.M.	J.S.M.	REVISION
3	12/10/00	J.S.M.	J.S.M.	J.S.M.	REVISION
4	01/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
5	02/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
6	03/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
7	04/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
8	05/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
9	06/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
10	07/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
11	08/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
12	09/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
13	10/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
14	11/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION
15	12/11/01	J.S.M.	J.S.M.	J.S.M.	REVISION

ITEM	DESCRIPTION	DATE	BY	CHKD.	APP.
1	DESIGN	10/10/00	J.S.M.	J.S.M.	J.S.M.
2	DRAWING	11/10/00	J.S.M.	J.S.M.	J.S.M.
3	MANUFACTURING	12/10/00	J.S.M.	J.S.M.	J.S.M.
4	INSPECTION	01/11/01	J.S.M.	J.S.M.	J.S.M.
5	SALES	02/11/01	J.S.M.	J.S.M.	J.S.M.
6	MARKETING	03/11/01	J.S.M.	J.S.M.	J.S.M.
7	FINANCE	04/11/01	J.S.M.	J.S.M.	J.S.M.
8	LEGAL	05/11/01	J.S.M.	J.S.M.	J.S.M.
9	GENERAL	06/11/01	J.S.M.	J.S.M.	J.S.M.
10	ADMINISTRATIVE	07/11/01	J.S.M.	J.S.M.	J.S.M.
11	REVISION	08/11/01	J.S.M.	J.S.M.	J.S.M.
12	REVISION	09/11/01	J.S.M.	J.S.M.	J.S.M.
13	REVISION	10/11/01	J.S.M.	J.S.M.	J.S.M.
14	REVISION	11/11/01	J.S.M.	J.S.M.	J.S.M.
15	REVISION	12/11/01	J.S.M.	J.S.M.	J.S.M.



REVISION	49
DATE	10/10/00
BY	J.S.M.
CHKD.	J.S.M.
APP.	J.S.M.
SEC. MANAGER	J. SANO
CHECKED	SPECIALIST
MODEL	
MATERIAL	
OUTLINE	
DESIGNED	DATE: 10/10/00
DRAWN	Y. OGAWA (28 NOV 2000)
5.81510104 H. OGAWA (28 NOV 2000)	
YANMAR CO., LTD. TWENTY PRODUCT OPERATIONS DIV.	
COURT	02-14120-0050



# LABELS

G2-14120-2010

No.	L A B E L S	P L A C E	C O N T E N T S
1	LABEL, ENGINE NAME	COVER (CYLINDER	—————
2	LABEL, YANMAR MARK (A	F. O. TANK	THE FOLLOWING DETAILS
3	LABEL, CAUTION	F. O. TANK	//
4	LABEL, HOW TO START	F. O. TANK	//
5	LABEL, YANMAR MARK (B	FANCASE, COOLING	//
6	LABEL, DIESEL	RECOIL STARTER	//

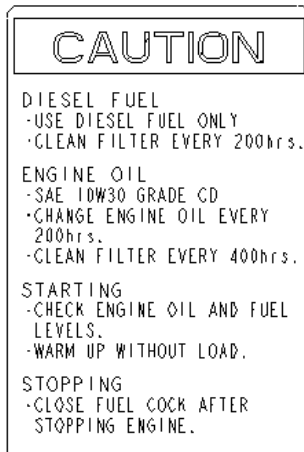
② LABEL, YANMAR MARK (A



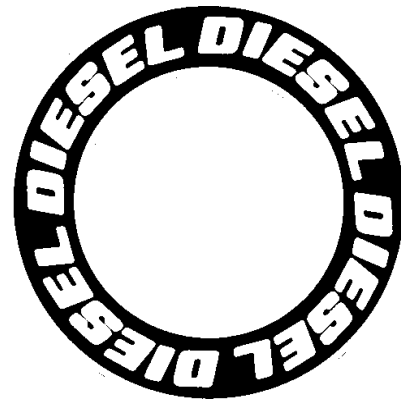
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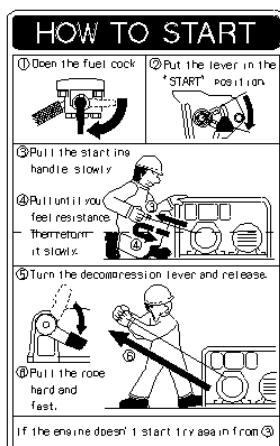
③ LABEL, CAUTION



⑥ LABEL, DIESEL

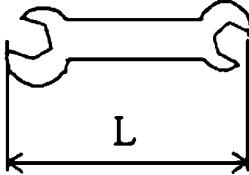
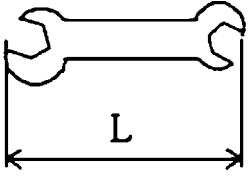
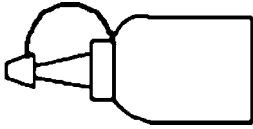
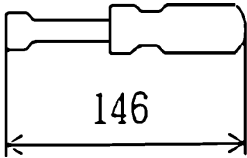
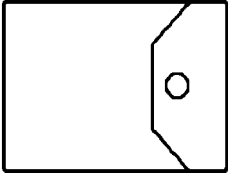


④ LABEL, HOW TO START



標準工具 TOOLS

C2-14110-0010

区分 ITEM	名称 DESCRIPTION	部品コード及び略図 PART NUMBER	材質 MATERIAL	個数 Q'ty	備考 NOTES
1	両口スパナ WRENCH 14×17	114299-92720 	UNI EN 10083/1 C40	1	L=163
2	両口スパナ WRENCH 10×12	114299-92710 	UNI EN 10083/1 C40	1	L=128
3	油さし FEEDER, OIL	114299-92740 	合成樹脂 POLYETHYRENE	1	
4	+-ねじまわし SCREWDRIVER	114299-92730 	UNI EN 10083/1 C40 & 合成樹脂 PVC	1	
5	工具袋 BAG, TOOL	114299-92600 	黒色ビニール PVC	1	