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ENG.

Sebango code: AZMHPTAssy / B1:TB / C1:Pack / F1:Prod.Eng:Data:

Drawing No.	G2-14120-0010(1/3)
DATE	Nov. 16th, 2005
Revision No.	
Revision Date	
Design model ID	714120B
Product. model ID	114120A

Engine Specification

For L48N6CA1T1AA (Standard for General use : Starting motor)

	Contents				
	Engin	e specifications	G2-14120-0010(2/3)		
	Engine performance		G2-14120-0010(2/3)		
ſ	Details	of specifications	G2-14120-0010(3/3)		
4	Outline	B2-14120-0010			
1		Labels	G2-14120-2010		
	Attached	Performance curve			
1		Tools	C2-14110-0010		
		Wiring	E2-14110-0010		

Revision (Nov.16th.2005)Registered by YITILU050091 After finishing Test in YJ, we will reissue with Spring Position & Performance Curve etc.



YI Engineering Dept.					
Manager	Checked	Drawn			
Tlam	e J. Nishimura	J. Nishimura			

L-0 model

1.Engine Specification

ngine op			
Model name			L48N6CA1T1AA
Туре			4-stroke, vertical-cyl, air-cooled diesel
	tion system		Direct injection
No. of cy	ylbore×stroke	mm	$1 - \phi 70 \times 57$
Displace	ment	liter	0.219
	Continuous	kW/min ⁻¹	* 3.1 (4.2PS ,4.2HP) / 3600
Output	Maximum	kW/min ⁻¹	* 3.5 (4.7PS ,4.7HP) / 3600
РТО	PTO position		Crankshaft
Shaft	Direction of rotation		Counterclockwise viewed from PTO side
Injection	Injection Timing (FIC-air)		bTDC.16.5±1.0
Fuel	Oil selection		Diesel fuel
Tuer	Tank capacity	liter	2.4
Lubrica	Lubrica Oil selection		SAE 10W30, API grade CD or higher
ting	Oil capacity	liter	0.8 (effective,0.25)
Cooling	Cooling system		Forced air cooling by flywheel fan
Starting	Starting system		Starter motor with re-coil starter
Governo	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 ⁻¹)			Flywheel dynamo :12V-15A
Dimensions		mm	Indication in outline drawing
Dry weight		kg	Approx. 32.0

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

30%

100 kPa (750mmHg) 25°C

Atmospheric pressure:Atmospheric temperature:Relative humidity:

2.Engine performance

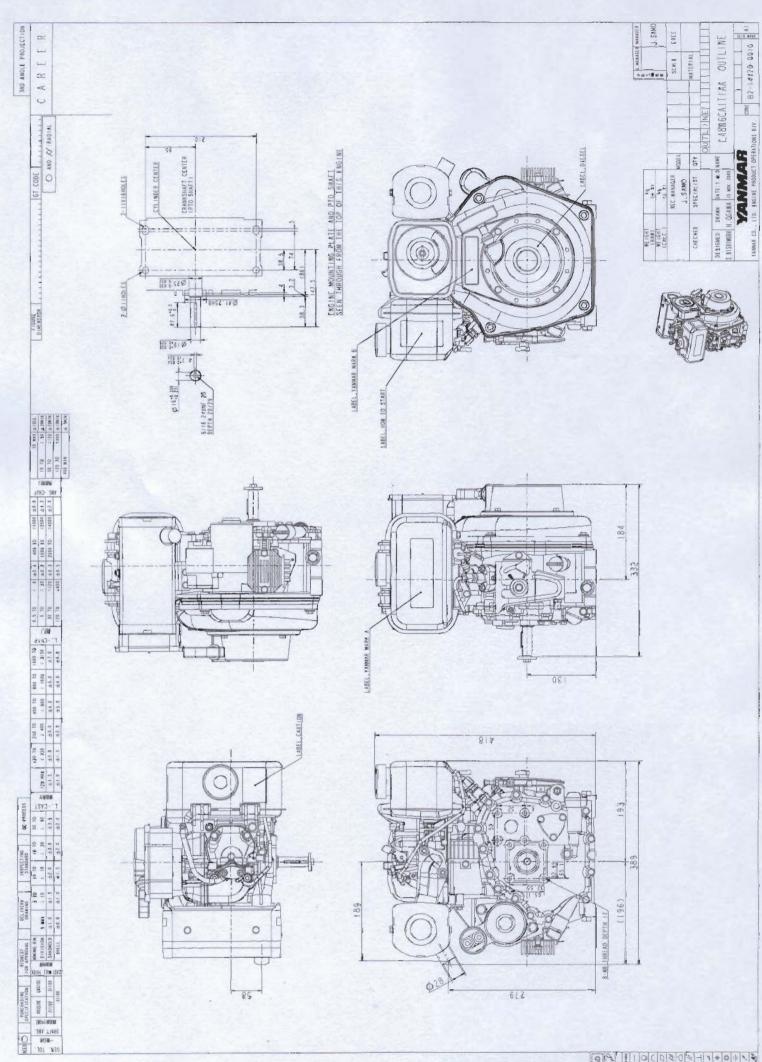
- <u>Bure Perro</u>				
Speed at no load	Minimum	min ⁻¹	1200 or more	PTO Shaft Without minimum idling speed adjust bolt. Adjustable figure by your end.
	Maximum		3800 ± 30	
	Instantaneous speed difference	%	8 or less	
Governor	Permanent speed change		5 or less	
regulation	Recovery time	sec.	5 or less	
	Speed fluctuation	min ⁻¹	30 or less	
Permissible	Continuous		20	
angle of inclination	Intermittent	deg.	30	Operation of up to 3 minutes
Lowest start	Re-coil starting	°C	0	Without starting aid agent
temperature	Electric starting	U	-10	without starting all agent

Revision No.

<u>G2-14120-0010 (3/3)</u>

3.Details of specifications (STD SPEC. L48N6CA1T1AA)

System	specifications (S Part name	Code	STD Spec.	CA1T1AA) Specification	Remarks	
	Fuel tank	cout	3	same as STD.	Color : Yanmar Black	
	Tank stay (A		114299-55210	same as STD.		
Fuel System	Tank stay (B	Bm-a	114299-55230	same as STD.		
	Nozzle, Fuel injection		714120-53100	same as STD.		
Lubricating System	Oil pressure switch	Cm-a	NA	same as STD.		
	Flywheel	Dm-a	1	same as STD.	DE Type	
Cooling System	Fan case	Dm-b	1	same as STD.	Color : Gold Silver	
Electric System	Electric Regulator & Harness, wire	-	114399-77550	same as STD.	For 12V-15A	
bystem	Dynamo Assy.	-	114399-78260	same as STD.		
	Air heater	Em-a	NA	same as STD.		
	Crankshaft	Fm-a	9	same as STD.	E-D type	
PTO&Flange	Crank case cover	-	114299-01450	same as STD.	D type	
Intake and	Air cleaner	Gm-a	5	same as STD.	Lower Intake type	
Exhaust	Intake bend	Gm-b	114771-12010	same as STD.		
System	Silencer	Gm-c	5	same as STD.		
Starting System	Recoil starter Assy.	Hm-a	3	same as STD.		
bystem	Starting motor	Hm-b	114362-77011	same as STD.		
	Control device Assy.	Im-a	1	same as STD.	General type	
Speed Control System	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 Regulator Spring Position : Fuel Pump Model : N2A Recoil Angle: R1					
	Key switch panel	CMP	114351-77500	same as STD.		
_	Connector		NA	same as STD.		
Loose parts	Deflector		114299-13800	same as STD.		
	Tools		114299-92590	same as STD.		



90-CAD POINT (1) PO

LABELS

G2-14120-2010

No.	LABELS	P L A C E	СОΝТЕΝТЅ
1	LABEL, ENGINE NAME	COVER (CYLINDER	
2	LABEL, YANMAR MARK (A	F.O. TANK	THE FOLLOWING DETAILS
3	LABEL, CAUTION	F.O. TANK	11
4	LABEL, HOW TO START	F.O. TANK	11
5	LABEL, YANMAR MARK (B	FANCASE, COOLING]]
6	LABEL, DIESEL	RECOIL STARTER]]

②LABEL, YANMAR MARK (A



feel resistance

it slowl × ©Turn the

Pull the rope

If the ensine doesn't start try asain from ③

hard and fest. ŧ

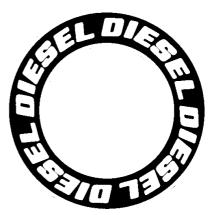
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(5) LABEL, YANMAR MARK (B

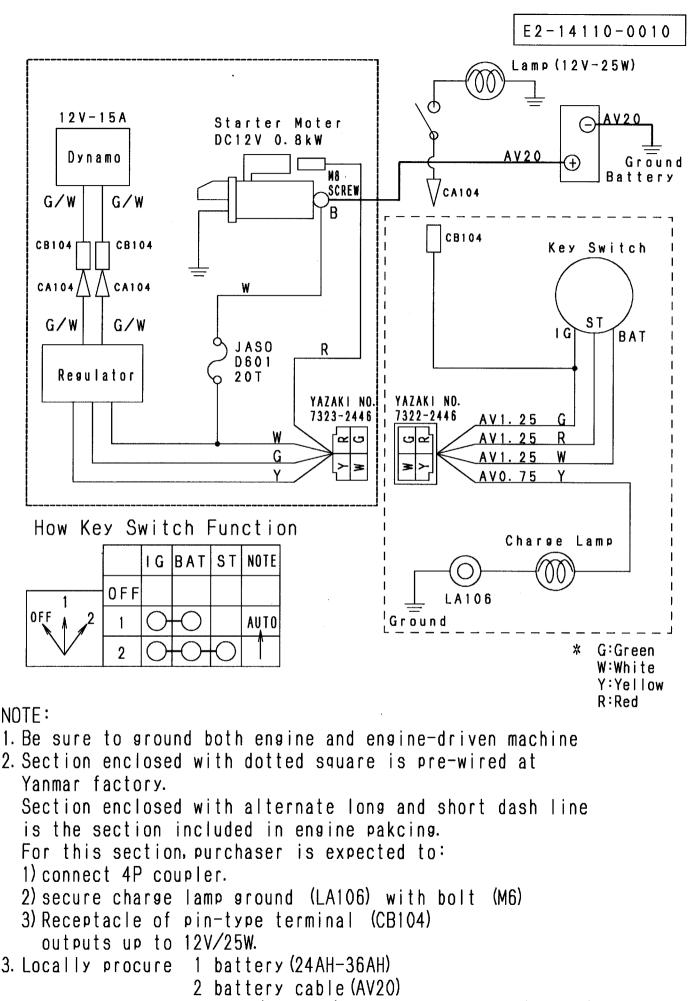


(6)LABEL, DIESEL



<u>標準工具 TOOLS</u>

	Э́ЕМ	名称 DESCRIPTION	部品コード及び略図 PART NAMBER	材質 MATERIAL	個数 Q'ty	備考 NOTES
	1	両ロスパナ WRENCH 14×17	114299-92720	UNI EN 10083/1 C40	1	L=163
•	2	両ロスパナ 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	+ーねじまわし SCREWDRIVER	114299-92730 146	UNI EN 10083/1 C40 & 合成樹脂 PVC	1	
	5	工具袋 BAG, TOOL	0	黒色ビニール PVC	1	



3 lamp(12V-25W), switch and cable(AV1.25)