



# SPECIFICATION SHEET

ENGINE MODEL : **V3300-T-E2BG-CHN-1**

*Used for 30kVA generator*

ENGINE CODE NUMBER:

DIMENSION DRAWING NUMBER: 1G548-23000

KUBOTA CORPORATION

ENGINE ENGINEERING DEPARTMENT

## ENGINE SPECIFICATION

ITEMS	UNIT	SPECIFICATIONS
Engine Model		V3300-T-E2BG-CHN-1
Engine Code Number		
Type		Vertical, water-cooled, 4-cycle diesel engine
Number of cylinder		4
Cylinder Bore	mm	98
Stroke	mm	110
Combustion type		Spherical Type (E-TVCS)
Total Displacement	L	3.318
Brake Horse Power (Stand-by )	kW/rpm (PS/rpm)	43.1/1800 (58.6/1800)
Brake Horse Power (Continuous )	kW/rpm (PS/rpm)	39.2/1800 (53.3/1800)
Firing Order		1-3-4-2
Direction of Rotation		Counter-Clockwise (Viewed from Flywheel Side)
Injection Pump		Bosch Type
Fuel Injection Pressure	Mpa (kgf/cm <sup>2</sup> )	13.73 (140)
Fuel Injection Timing	deg.	6.0 Before T.D.C (p)
Compression Ratio		21.8
Governor Type		All Speed Mechanical Governor
Fuel Oil		Diesel Fuel No.2-D(ASTM D975)
Starting System		Cell Starter (with glow plug)
Starter Output	V-kW	12 - 2.5
Alternator Output	V - A	12 - 45
Cooling System		Pressurized Radiator, Forced Circulation with water pump
Lubricating System		Forced Lubricating by Trochoid Pump
Lubrication Oil		Class CF lubricating oil as per API classification is recommended
Lub.Oil Capacity	L	13.2
Dimensions (L x W x H)	mm	768.6 × 539 × 793.4
Emission Regulation		China Off Road
Intake Resistance	kPa(mmAq)	≤ 1.96 (200)
Back Pressure	kPa(mmHg)	≤ 7.07 (53)
Ho(Heat Rejection to coolant)	kcal/h	33,594
Combustion Air Requirements ( 25°C and 750mmHg)	m3/min	3.59
Exhaust Gas Volume ( 25°C and 750mmHg)	m3/min	9.0
Dry Weight	kg	Approx. 250

※Lubrication Oil is not filled for engine delivery.

## ENGINE PARTS LIST V3300-T-E2BG-CHN-1

PART NAME	PART NUMBER	Q'ty	DESCRIPTION
Crank Case	1C040-0111△	1	
Oil Pan ,Comp	1G517-0150△	1	105mm
Gear Case,Assy	1C012-0401△	1	
Water Pump Assy.	1C010-7303△	1	
Inlet Manifold	1C040-1176△	1	Refer to Dimensions Drawing
Exhaust Manifold	1C010-1231△	1	Refer to Dimensions Drawing
Flange,Muffler	1C040-1232△	1	Up Outlet
Head Cover Assy.	1C010-1450△	1	
Flywheel	1G517-2511△	1	SAE 10、11-1/2 (Short)
Flywheel Housing	1G517-0461△	1	SAE 3 (Short)
Oil Filter Cartridge	1C020-3243△	1	φ93×L98.5
Oil Gauge	1C010-3641△	1	Inlet side
Oil Gauge Guide	1C010-3642△	1	Short oil gauge guide
Fuel Filter Assy	1C011-4301△	1	
Fuel Pump	1C010-5203△	1	Mechanical
Starter	1C010-6301△	1	12V - 2.5kW
Alternator	1C010-6401△	1	12V - 45A
Glow Plug	16415-6551△	4	Quick Heating Type(DC 11V)
Stop Solenoid	1C010-6001△	1	DC 12V, Energized to run
Water Flange	1G533-7291△	1	3/8-18NPSF, 1/2-14NPSF, M12x1.5, Rp3/8
Thermostat	1C011-7301△	1	76.5°C (Opening Temp. )
Thermostat cover	1C020-7326△	1	Up Outlet
Fan Spacer	-	-	-
Fan	1K011-7411△	1	Φ430mm 6 blades, Pusher
Fan Pulley	1K011-7425△	1	Φ130mm
Fan Drive Pulley	1C010-7428△	1	Φ143mm
Fan Belt	1G517-9701△	1	48.0"
Oil Pressure Switch	15841-3901△	1	0.5kgf/cm <sup>2</sup>
Water Temp. Sensor	—	—	—
Ship Loose parts			
Operator's Manual	1K929-8911△	1	
Timer (Grow Lamp)	15694-6599△	1	
Coupler Assy.	19883-6583△	1	For Timer (Grow Lamp), Alternator
Lamp,Indicator	15403-6449△	1	
Assy Terminal	19268-6578△	1	For Lamp,Indicator
Coupler Assy.	1C010-6583△	1	For Stop solenoid
Coupler Assy.	19215-6375△	1	For Starter
Sedimenter Assy	1G311-4335△	1	
Pipe Joint	1K012-4236△	1	For Over Flow Piping(Fuel)
Clip,Pipe	14971-4275△	2	For Over Flow Piping(Fuel)
Muffler Gasket	1C011-1223△	1	
Fuel Tube	1G574-4213△	1	For Over Flow Piping(Fuel)