SPECIFICATION SHEET

ENGINE MODEL : ***D1105-E2BG-CHN-1***

Used for 10kVA generator

ENGINE CODE NUMBER: ***1G976-21000***

DIMENSION DRAWING NUMBER: 1G976-00000

KUBOTA CORPORATION
KUBOTA Engine(Shanghai) Co., LTD.
ENGINE ENGINEERING DEPARTMENT

Jul.15.2010

ITEMS	UNIT	SPECIFICATIONS
Engine Model		D1105-E2BG-CHN-1
发动机型号		
Engine Code Number		1G976-21000
发动机编号		
Type		Vertical, water-cooled, 4-cycle diesel engine
型式		直列，水冷，四冲程柴油机
Number of cylinder		3
气缸数		
Cylinder Bore	mm	78
缸径		
Stroke	mm	78.4
行程		
Combustion type		Spherical Type (E-TVCS)
燃烧室型式		球形, 非直喷
Total Displacement	L	1.123
排量		
Brake Horse Power (Stand-by) 备用功率	kW/rpm (PS/rpm)	11.5 /1800 (15.6/1800), 9.5/1500(12.9/1500)
Brake Horse Power (Continuous) 持续功率	kW/rpm (PS/rpm)	10.1 /1800 (13.8/1800) , 8.4/1500(11.4/1500)
Firing Order		1-2-3
气缸工作顺序		
Direction of Rotation		Counter-Clockwise (Viewed from Flywheel Side)
旋转方向		逆时针（从飞轮侧看）
Injection Pump		Bosch Type
喷油泵		博世喷油泵
Fuel Injection Pressure	MPa (kgf/cm^2)	13.73 (140)
喷油压力		
Fuel Injection Timing	deg.	17.5 Before T.D.C (p)
喷射正时		上止点前17.5度
Compression Ratio		24.0
压缩比		
Governor Type		All Speed Mechanical Governor
调速器		全程式机械调速器
Fuel Oil		Diesel Fuel No.2-D(ASTMD975)
燃油		柴油 No.2-D(ASTMD975)
Starting System		Starter (with glow plug)
起动系统		起动电机（带预热塞）
Starter Output	V-kW	12 - 1.0
起动电机		
Alternator Output	V - A	12 - 30

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ITEMS	UNIT	SPECIFICATIONS
发电机		
Cooling System		Pressurized Radiator, Forced Circulation with water pump
冷却系统		加压散热器，强制循环水泵
Lubricating System		Forced Lubricating by Trochoid Pump
润滑系统		强制润滑式
Lubrication Oil		Class CF lubricating oil as per API classification is recommended
润滑油		推荐API　CF级润滑油
Lub.Oil Capacity	L	5.1
润滑油容量		
Dimensions (L x W x H)	mm	551.3×394.8×605.1
尺寸（长 x 宽 x 高）		
Emission Regulation		China Off Road Stage Ⅱ
排放法规		中国 二阶段
Intake Resistance	kPa(mmAq)	≦ 1.96 (200)
进气阻力		
Back Pressure	kPa(mmHg)	≦ 7.07 (53)
排气背压		
Ho(Heat Rejection to coolant)	kcal/h	11,700
冷却水带走热量		
Combustion Air Requirements (25℃ and 750mmHg)	m^3/min	0.88
进气量（25℃，大气压750mmHg条件下）		
Exhaust Gas Volume (25℃ and 750mmHg)	m^3/min	2.30
排气量（25℃，大气压750mmHg条件下）		
Dry Weight	kg	Approx. 89.0
干重		

※Lubrication Oil is not filled for engine delivery.
※交货时发动机内没有机油.

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ENGINE PARTS LIST D1105-E2BG-CHN-1 1G976-21000

PART NAME	PART NUMBER	Q'ty	DESCRIPTION
Crank Case Comp.	1E021-01019	1	with Drain Cock : 16871-73021
曲轴箱			
Oil Pan Comp.	16613-01605	1	Depth 125mm
油底壳			
Gear Case,Assy	16239-04015	1	Oil Filter Cartridge : Inlet Side
齿轮箱			机油滤清器位于进气侧
Water Pump Assy.	16251-73035	1	
水泵总成			
Inlet Manifold	17407-11761	1	Horizontal Inlet (Closed Breather Type)
进气歧管			水平朝向（闭式呼吸器）
Exhaust Manifold	17213-12312	1	Horizontal Outlet
排气歧管			出口水平方向
Head Cover Assy.	1G032-14506	1	Closed Breather Type
气缸盖罩总成			闭式呼吸器
Flywheel	1G680-25012	1	SAE 6-1/2 (Short)
飞轮			
Flywheel Housing Assy	16683-04511	1	SAE 5 (Short)
飞轮壳			
-	-	-	-
Oil Filter Cartridge	16271-32093	1	ϕ80×L100
机油滤清器			
Oil Gauge	16259-36411	1	Inlet side
机油尺			位于进气侧
Oil Gauge Guide	-	-	
机油尺导管			
Injection Pump Assy	16030-51012	1	
Pump Assy, Fuel	16285-52032	1	Mechanical feed pump
Nozzle Holder Assy	16032-53001	3	
Starter	6A320-59213	1	12V - 1.0kW
起动电机			
Alternator	16231-64012	1	12V - 30A
发电机			
Stay, Dynamo	16241-64422	1	
Glow Plug	16281-65511	3	Quick Heating Type（DC 11V, 1.5Ω）
预热塞			快速预热式（DC 11V,1.5Ω）
Stop Solenoid	17208-60015	1	DC 12V, Energized to run
停车电磁阀			
Water Flange	16613-72911	1	3/8-18NPSF（×2）
出水法兰			
Thermostat	19434-73014	1	71℃ (Opening Temp.)

ENGINE PARTS LIST D1105-E2BG-CHN-1 1G976-21000

节温器			71℃ (开启温度)
Thermostat cover	16219-73262	1	Up Outlet
节温器盖			出口朝上
Fan Spacer	15876-74152	1	10mm
风扇垫块			
Fan	15547-74113	1	Φ330mm 6 blades, Pusher
风扇			φ330mm 6叶, 吐风
Fan Pulley	16241-74252	1	Φ96mm
风扇皮带轮			
Fan Drive Pulley	16261-74283	1	Φ112mm
曲轴皮带轮			
Fan Belt	16282-97012	1	37.5"
风扇皮带			
Oil Pressure Switch	15841-39012	1	0.5kgf/cm2
机油压力开关			
Water Temp. Sensor	-	-	
水温开关			
Ship Loose parts / 随机附件			
Operator's Manual	1G550-89111	1	
使用说明书			
Sedimenter,Assy	1G311-43352	1	
油水分离器总成			
Fuel Filter Assy	15224-43013	1	
燃油滤清器总成			
Timer(Glow lamp)	15694-65992	1	
计时器（预热指示灯）			
Coupler Assy.	19883-65831	1	For Timer (Grow Lamp),Alternator
接插件总成			计时器（预热指示灯）用
Lamp,Indicator	15403-64491	1	
指示灯			
Terminal Assy	19268-65781	1	For Lamp,Indicator
端子总成			指示灯用
Coupler Assy.	1C010-65831	1	For Stop solenoid
接插件总成			停车电磁阀用
Muffler Gasket	15263-12371	1	
排气管垫片			
Bolt	01123-50822	4	
螺栓			
Coupler Assy.	19215-63751	1	For Starter
接插件总成			起动电机用
Fuel Valve Check	1C010-42461	1	
单向阀			
Pipe Clip	14971-42751	4	
管夹			