

APRIL 2016

SPECIFICATION SHEET

ENGINE MODEL : ***D1105-E2BG***

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

KUBOTA CORPORATION

ITEMS	UNIT	SPECIFICATIONS
Engine Model		D1105-E2BG
Engine Code Number		1G976-21000
Type		Vertical, water-cooled, 4-cycle diesel engine
Number of cylinder		3
Cylinder Bore	mm	78
Stroke	mm	78.4
Combustion type		Spherical Type (E-TVCS)
Total Displacement	L	1.123
Brake Horse Power (Stand-by)	kW/rpm (PS/rpm)	11.5 /1800 (15.6/1800), 9.5/1500(12.9/1500)
Brake Horse Power (Continuous)	kW/rpm (PS/rpm)	10.1 /1800 (13.8/1800) , 8.4/1500(11.4/1500)
Firing Order		1-2-3
Direction of Rotation		Counter-Clockwise (Viewed from Flywheel Side)
Injection Pump		Bosch Type
Fuel Injection Pressure	MPa (kgf/cm ²)	13.73 (140)
Fuel Injection Timing	deg.	17.5 Before T.D.C (p)
Compression Ratio		24.0
Governor Type		All Speed Mechanical Governor
Fuel Oil		Diesel Fuel No.2-D(ASTMD975)
Starting System		Starter (with glow plug)
Starter Output	V-kW	12 - 1.0
Alternator Output	V - A	12 - 30
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	5.1
Dimensions (L x W x H)	mm	551.3 × 394.8 × 605.1
Emission Regulation		NIL
Intake Resistance	kPa(mmAq)	≤ 1.96 (200)
Back Pressure	kPa(mmHg)	≤ 7.07 (53)
Ho(Heat Rejection to coolant)	kcal/h	11,700
Combustion Air Requirements (25°C and 750mmHg)	m ³ /min	0.88
Exhaust Gas Volume (25°C and 750mmHg)	m ³ /min	2.30
Dry Weight	kg	Approx. 89.0

※Lubrication Oil is not filled for engine delivery.

ENGINE PARTS LIST D1105-E2BG 1G976-21000

PART NAME	PART NUMBER	Q'ty	DESCRIPTION
Crank Case Comp.	1E021-01019	1	with Drain Cock : 16871-73021
Oil Pan Comp.	16613-01605	1	Depth 125mm
Gear Case,Assy	16239-04015	1	Oil Filter Cartridge : Inlet Side
Water Pump Assy.	16251-73035	1	
Inlet Manifold	17407-11761	1	Horizontal Inlet (Closed Breather Type)
Exhaust Manifold	17213-12312	1	Horizontal Outlet
Head Cover Assy.	1G032-14506	1	Closed Breather Type
Flywheel	1G680-25012	1	SAE 6-1/2 (Short)
Flywheel Housing Assy	16683-04511	1	SAE 5 (Short)
Oil Filter Cartridge	16271-32093	1	φ 80 × L100
Oil Gauge	16259-36411	1	Inlet side
Oil Gauge Guide	-	-	
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
Alternator	16231-64012	1	12V - 30A
Stay, Dynamo	16241-64422	1	
Glow Plug	16281-65511	3	Quick Heating Type (DC 11V, 1.5Ω)
Stop Solenoid	17208-60015	1	DC 12V, Energized to run
Water Flange	16613-72911	1	3/8-18NPSF (x2)
Thermostat	19434-73014	1	71°C (Opening Temp.)
Thermostat cover	16219-73262	1	Up Outlet
Fan Spacer	15876-74152	1	10mm
Fan	15547-74113	1	Φ 330mm 6 blades, Pusher
Fan Pulley	16241-74252	1	Φ 96mm
Fan Drive Pulley	16261-74283	1	Φ 112mm
Fan Belt	16282-97012	1	37.5"
Oil Pressure Switch	15841-39012	1	0.5kgf/cm2
Water Temp. Sensor	-	-	

ENGINE PARTS LIST D1105-E2BG 1G976-21000

PART NAME	PART NUMBER	Q'ty	DESCRIPTION
Ship Loose parts			
Operator's Manual	1G550-89111	1	
Sedimenter,Assy	1G311-43352	1	
Fuel Filter Assy	15224-43013	1	
Timer(Glow lamp)	15694-65992	1	
Coupler Assy.	19883-65831	1	For Timer (Grow Lamp),Alternator
Lamp,Indicator	15403-64491	1	
Terminal Assy	19268-65781	1	For Lamp,Indicator
Coupler Assy.	1C010-65831	1	For Stop solenoid
Muffler Gasket	15263-12371	1	
Bolt	01123-50822	4	
Coupler Assy.	19215-63751	1	For Starter
Fuel Valve Check	1C010-42461	1	
Pipe Clip	14971-42751	4	