

KNG 3200E

Natural Gas Fueled
Engine for Oil Well
Pumping Services



DIADEMA

KNG 3200E



Worldwide known for their high quality and reliability, the KUBOTA KNG engines are back with success under its new trade mark **DIADEMA**. The **DIADEMA** method is a big part of the story: all manufacturing processes are carried out on our own facilities, from carefully selected raw materials, and under the most stringent levels of quality control. **DIADEMA**'s strength resides in its continuous improvement and the pursuit of excellence.

Applications

KNG technology with 32 HP



Oil Well Pumpig Unit

Adjustable pumping volume through a lever speed control.

Diadema's stringent diesel design standards were applied to the engine.

Diadema's experience in developing and building innovative diesel engines was applied to this natural-gas fueled engine to improve the power source for oil wells.

Engine speed can be set between 300 and 1100 rpm with a maximum output of 32 hp.



PCP Pumps

High efficiency lubrication system

This system reduces friction and adds durability to the engine life.

An atrochoid pump provides full pressure lubrication to rotating shafts and moving parts, achieving an efficient lubrication system.

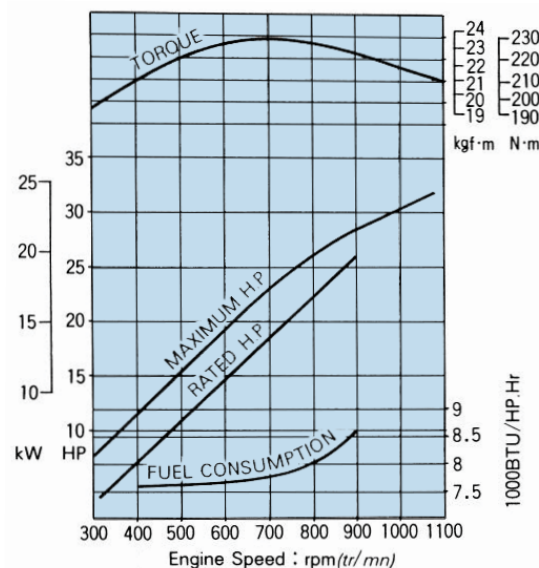


Water Extraction

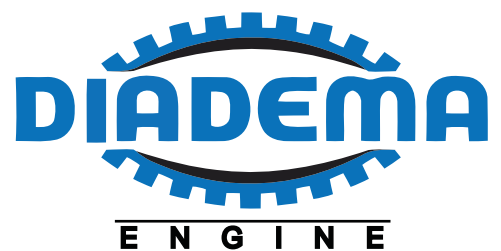
- EPA's exhaust emission certification.



Power Generator



MANUFACTURER	DIADEMA
MODEL	KNG 3200E
Type	Horizontal natural gas engine, 4 stroke, water-cooling
Number of Cylinders	1
Bore & Stroke	150 x 210mm. / 5.9 x 8.3 in.
Displacement	3711 cm ³ / 226 w-in.
Speed Range	300 - 1100 r/min
Compression Ratio	8,0 : 1
Maximum Power	32 HP / 1100 r/min
Rated Power	26 HP / 900 r/min
Maximum Torque	23 kgf.m / 166 ft-lbs
Fuel	Natural Gas / LPG / Biogas
Governing	Centrifugal Weight System
Combustion System	Spark ignition System
Ignition System	Starfire type
Fuel System	Carburator
Lubrication System	Pressure lubrication
Cooling System	Finned Tube Radiators
Starter System	Electric 12Vcc
Clutch	DDM-C110 SAE 4
Weight (without clutch)	731 kg / 1763 lbs
Lubricating Oil	Quality better than API-CC
Lubricating Oil Capacity	17 litres / 18 Quarts
Cooling Liquid Capacity	20 litres / 21 Quarts
Air Filter Type	Cleaner element



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