

# KNG 3200E

Natural Gas Fueled  
Engine for Oil Well  
Pumping Services



DIADEMA

# KNG 3200E



Worldwide known for their high quality and reliability, the ex KUBOTA KNG engines are back with success under its new trade mark: **DIADEMA**. **DIADEMA** oilfield engines line are exclusively manufactured at the Republic of Argentina by **JICEC S.A** , a company which guarantee the quality of its products, through a constant technological updating. **DIADEMA**'s strength resides in its continuous improvement and the pursuit of excellence

## Applications

## KNG technology with 32 HP



Oil Well Pumping 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.

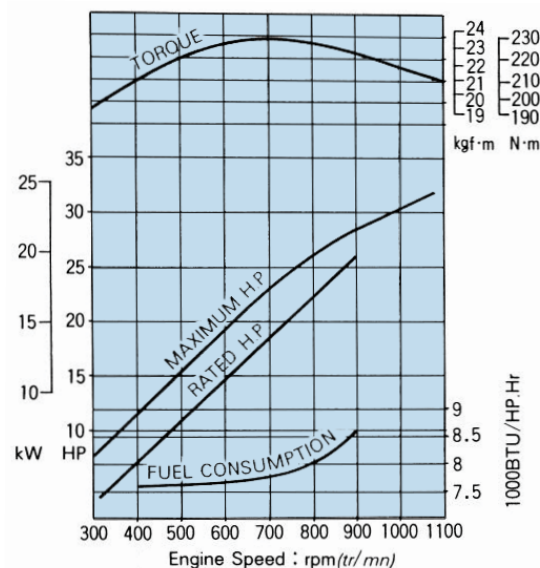
An atrochoid pump provides full pressure lubrication to rotating shafts and moving parts, achieving an efficient lubrication system.



Water Extraction



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
Displacement	3711 cm <sup>3</sup>
Compression Ratio	8,0 : 1
Speed Range	300 - 1100 r /min
Maximum Power	32 HP / 1100 r/min
Rated Power	26 HP / 900 r/min
Maximum Torque	23 kgf.m / 700 r/min
Fuel	Natural Gas
Governing	Centrifugal Weight System
Combustion System	Spark Ignition System
Ignition System	Starfire type
Fuel System	Carburetor CA-110-12
Lubrication System	Pressure lubrication
Cooling System	Finned Tube Radiators
Starter System	Electric
Clutch	DDM-C110
Weight (without clutch)	731 Kg
Lubricating Oil	Quality better than API-CC
Lubricating Oil Capacity	17 litres
Cooling Liquid Capacity	20 litres



[www.diademaengine.com](http://www.diademaengine.com)  
[info@diademaengine.com](mailto:info@diademaengine.com)

**JICEC S.A** - Parque Industrial Tecnológico Quilmes  
 Camino General Belgrano Km 10,5 Nave 4  
 (1876) Bernal Oeste  
 Pcia de Bs.As – República Argentina  
 Telephone: +54 (11) 4116-4283/84/85  
 Tel. /Fax:+54 (11) 4116-2268