

K4102Q POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
55 kW (75 HP) / 3000 rpm	231,1 N.m	238 g/kW.h / 3000 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer	Kansas Diesel / China
Engine Model	K4102Q
Type	4 cycle , Diesel , Naturally aspirated
Combustion Type	Direct Injection
Firing Order	1-3-4-2
Cylinder Number	Inline 4 cyl
Bore x Stroke	105 x 118 mm
Displacement	3,857 lt
Compression Ratio	18
Dry Weight	320 kg
Dimensions LxWxH	892x618x718 mm

FUEL SYSTEM

Injection Pump	4A462 type or BHF4PL090208
Governor Type	Mechanical
Fuel Selenoid	Energized to Stop
Fuel Filter	Full flow,cartridge type
Fuel Delivery	Single Act-Piston type
Fuel	Diesel Fuel (EN590)

COOLING SYSTEM

Cooling Type	Water Cooled
Cooling Method	Forced Circulation
Water Capacity	8,5 lt without radiator
Water Flow rate	260 lt/min
Water Pump	Centrifugal type driven by belt

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LUBRICATION SYSTEM

Oil Pump Type	Gear
Oil Filter	Full Flow cartridge
Oil Capacity	14 lt
Recomended Oil	CD/CE/CF 10W/40 grade semi-synthetic or synthetic
Oil Pressure	500 kPA (warm engine at 3000 rpm)

ELECTRICAL SYSTEM

Charging Alternator	14 V , 500 W
Starting Motor	12V, 3,7 kW
Battery Voltage	12V
Capacity (Recomended)	80Ah

OPTIONS

- (EWI) Engine Wiring
- (CPA) Basic Start Panel
- (CHE) Coolant Heater
- (ESI2) Residential type Silencer
- (BAT) Battery , cables & rack
- (BFR1) Baseframe Std.c/w fuel tank
- (BFR2) Extended Baseframe c/w fuel tank
- (NFP) Conformity kit to NFPA-20 standards
- (HEX) Heat Exchanger Kit with pipeline
- (CPL) Coupling with its guard
- (TBX) Tool Kit

UNIT CONVERSION

- HP = kW x 1,3596
- Torque (N.m) = 9549,3 x P(kW) /
N(1/min) Torque (kg.m) = 716,2 x P(HP) /
N(1/min) 1 Bar = 1,019726 kg/cm² = 100
kPA 1 kW = 0,2388 kcal/s

IDEA

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