

K4105Q POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
70 kW (95 HP) / 3000 rpm	365 N.m	265,2 g/kW.h / 3000 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer	Kansas Diesel / China
Engine Model	K4105Q
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	4,1 lt
Compression Ratio	18
Dry Weight	330 kg
Dimensions LxWxH	933x634x769 mm

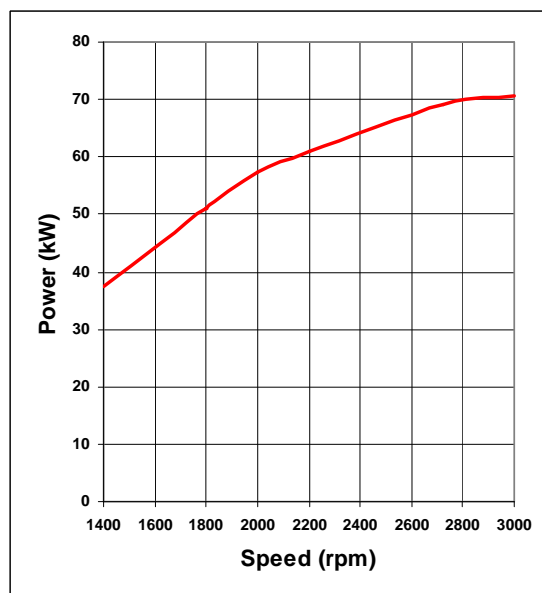
FUEL SYSTEM

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	280 lt/min
Water Pump	Centrifugal type driven by belt

PERFORMANCE CURVE



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LUBRICATION SYSTEM

Oil Pump Type	Gear
Oil Filter	Full Flow cartridge
Oil Capacity	14 lt
Recommended 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	12 V, 3,7 kW
Battery Voltage	12 V
Capacity (Recommended)	80 Ah

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/cm ² = 100 kPA
1 kW = 0,2388 kcal/s

IDEA

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