



TECHNICAL DATA

1KS-CHP

10 kW
11 kW
8 kW
9 kW
75,2 Nm@2400 1/min
60,7 Nm@800 1/min
in line
3
953 cm³
72 mm / 78 mm
12
natural
water cooled

8 - 18 kW
20 - 30 kW
28%
64%

SAE 5
133
left
15 liter
95° C
60° C
1,2 liter
2 bar
20l / min
84 - 88° C
100° C
< 10° C
-50 mbar
20 - 40° C
20 - 60° C
75 mbar
1 - 2 - 3
488 mm
402 mm
651 mm
73,5 kg

Engine Type

Intermittend Power mech. (NG)
Intermittend Power mech. (LPG)
Cont. Power mech. (NG)
Cont. Power mech. (LPG)
Torque max.
Torque min.
Type of construction
Cylinder
Volume
Bore / Stroke
Compression Ratio
Aspiration
Cooling Type

Performance Data

Thermal Power
Power consumption (gas)
Electrical efficiency
Thermal efficiency

Installation Data

Flywheel Housing
Flywheel
Teeth gear ring
Direction on rotation looking towards flywheel
Lube oil filling oil pan
Lube oil temperature max.
Lube oil temperature min.
Coolant water filling
Coolant pressure max.
Coolant flow
Coolant water temperature in operation
Coolant water temperature max.
Coolant water delta T (in - out)
Intake air vacuum pressure max.
Intake air temperature
Ambient temperature max.
Exhaust back pressure max.
Firing order
Engine length
Engine width
Engine height
Engine weight, dry

4Y-CHP

22 kW
24 kW
18kW
20 kW
149 Nm@1800 1/min
136 Nm@800 1/min
in line
4
2,237 cm³
91 mm / 86 mm
10.5
natural
water cooled

17 - 39 kW
50 - 62 kW
32%
63%

SAE 4
SAE 10
133
left
12liter
95° C
60° C
4,8 liter
2 bar
50 - 55l / min
84 - 88° C
100° C
< 10° C
-50 mbar
20 - 40° C
20 - 60° C
65 mbar
1 - 3 - 4 - 2
611 mm
590 mm
764 mm
122 kg

