



INFORMATIONS TECHNIQUES TECHNICAL INFORMATION INFORMACIONES TECNICAS

Rev. 101 82
RECHAUFFEUR: 1A
DISTRIBUTEUR: 2

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11800
11800
11800

4 D 108

Model number for parts
information is given in
parentheses.

CHARACTERISTICS

Maximum rated shaft speed:

Maximum torque 1000/110

Maximum flywheel 3

Maximum piston 230/247

Compression ratio 18/1

Number of cylinders 4

Engine speed at full load 1700/1800

Stroke 100

Maximum rated power 40/45

Dimensions: 290/

Weight: 27



RATING

CLASS OF DUTY	1700 rpm		1800 rpm		CONVERSION	
	rpm	kW	hp	hp	g/hp-h	g/kWh
Maximum rated	1700	37	50	55	195	197
	1800	45	60	75	175	160
Auxiliary engine (generator sets)	1700	35	47	52	195	197
	1800	43	57	63	175	160

REMARKS/REMARKS

Stroke - 100 (110) mm
Flywheel - 11800/11800
Maximum - 230/247 mm
Maximum - 18/1
Maximum - 40/45 kW
Maximum - 290/300 mm
Maximum - 100 mm
Maximum - 27 kg
Conversion - 1 kW = 1.341 hp
Conversion - 1 g/hp-h = 0.746 g/kWh

PROFILING TABLE

Stroke number (generator sets)	Stroke rpm	Use shaft diam.	Stroke rod/rod diam.	Stroke rod/rod diam.
1700/1800	1	48	100	52
	2	50	100	52

CHARACTERISTICS OF DIFFERENTS SYSTEMS

<ul style="list-style-type: none"> 1) Boiling water steam boiler under pressure Eprouvette Water circulation Thermopile controlling valve Boiling water under total pressure Water pressure 10 bar 	Full size $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$	1-1/2" 1-1/4" 1-1/8"
<ul style="list-style-type: none"> 2) Hot water steam boiler (boiler) Water/air mixture 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"
<ul style="list-style-type: none"> 3) Condensing air steam Use of pressure reducing equipment Boiling water pressure Water pressure 10 bar, under total (boiling water) Water/air mixture (under total pressure) Water pressure 10 bar 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"
<ul style="list-style-type: none"> 4) Hot steam Full size equipment Water/air mixture (under total pressure) 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"
<ul style="list-style-type: none"> 5) Boiling equipment Water/air mixture (under pressure) Water pressure 10 bar, under total (boiling water) Water/air mixture (under total pressure) Water pressure 10 bar, under total (boiling water) 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"
<ul style="list-style-type: none"> 6) Hot steam system Water/air mixture (under pressure) Water pressure 10 bar, under total (boiling water) Water/air mixture (under total pressure) 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"
<ul style="list-style-type: none"> 7) Water/air mixture Water pressure 10 bar, under total (boiling water) Water/air mixture (under total pressure) Water pressure 10 bar, under total (boiling water) 	1/2" 1/4" 1/8"	1 1/2" 1 1/4" 1 1/8"

DIMENSIONS

Eprouvette	Water weight in kg under total pressure
1/2" (125mm)	100





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Date: 10/1992
 Reference: J.A.
 Distribution: 7

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Address:
 SUDALCO
 SUDALCO

8 D 106

Technical information for
 the use of the product
 and its accessories

CHARACTERISTICS

See page 10 for more details

Maximum power	1000 W
Maximum speed	2
Capacity	1000 g
Maximum width	100
Maximum depth	2
Maximum height	1000 mm
Weight	10
Maximum voltage	230 V
Maximum current	10 A
Number	111



ACTIOS

CLASS OF USE	8 D 106		DESCRIPTION	
	kg	cm	g/s	g/s
Preparation	1000	100	100	100
	1000	100	100	100
Cutting and preparation	1000	100	100	100
	1000	100	100	100

GENERAL DEFINITIONS

8 D 106 is a machine
 designed for the use of
 the product 8 D 106 and its
 accessories.
 The machine is designed
 for the use of the product
 8 D 106 and its accessories.
 The machine is designed
 for the use of the product
 8 D 106 and its accessories.

PROFILES TABLE

8 D 106 preparation	8 D 106 g/s	8 D 106 g/s	8 D 106 g/s	8 D 106 g/s
8 D 106	100	100	100	100
8 D 106	100	100	100	100
8 D 106	100	100	100	100

CHARACTERISTICS OF DIFFERENT SYSTEMS

<ul style="list-style-type: none"> - Polypropylene closed sheet with pressure 100% recyclable 100% fireproof Temperature resistance up to 120°C Highly resistant to impact 	Polypropylene 100% 100% 120°C 100%	100% 100%
<ul style="list-style-type: none"> - Non water absorbent, non-stained Chemically resistant 	0 0	0 0
<ul style="list-style-type: none"> - Excellent electrical insulation Low conductivity and dielectric constant Non-flammable Highly resistant to acids, alkalis, oils, solvents, etc. Highly resistant to mechanical stress Non-toxic 	0 0 0 0 0 0	0 0 0 0 0
<ul style="list-style-type: none"> - Easy to cut Easy to assemble Can be recycled and reused 	0 0 0	0 0 0
<ul style="list-style-type: none"> - Excellent mechanical strength Highly resistant to impact Highly resistant to acids, alkalis, oils, solvents, etc. Highly resistant to mechanical stress 	0 0 0 0	0 0 0 0
<ul style="list-style-type: none"> - An ideal system Simple to install in the field 	0 0	0 0
<ul style="list-style-type: none"> - Excellent system Easy to assemble Highly resistant Highly resistant to impact Highly resistant to mechanical stress 	0 0 0 0 0	0 0 0 0 0
<ul style="list-style-type: none"> - Excellent mechanical strength Highly resistant to impact Highly resistant to acids, alkalis, oils, solvents, etc. 	0 0 0	0 0 0

DIMENSIONS

Height in m	Number of sheets in the system (width in m)
1.20m, 1.50m and 1.80m	10 12 15





INFORMATIONS TECHNIQUES TECHNICAL INFORMATION INFORMACIONES TÉCNICAS

Mod. 10100
REDAZIONE: J.S.
ISTRUTTORI: J.

Gruppo
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MODEL
REDAZIONE
ISTRUTTORI

6 D 106 S

MODEL
REDAZIONE
ISTRUTTORI

CHARACTERISTICS

Maximum net power (kW/gross hp)

Net power (kW)

Number of cylinders

Cylinder bore

Cylinder stroke

Number of valves/cylinder

Engine speed (rpm)

Weight (kg)

Height (mm)

Power/weight ratio

Power/height ratio

Power/width ratio



RANGE

CLASS OF WORK	SPEED			POWER		CONSUMPTION	
	rpm	HP	CV	g/hp.h	g/hp.h		
Propulsion and traction	2000	100	100	175	180		
	2200	100	100	175	180		
Auxiliary engine generator sets	1500	100	95	190	195		
	1800	100	90	190	195		

EXCESSIVE CONSUMPTION

100 g/hp.h - 100 g/hp.h
 100 g/hp.h - 100 g/hp.h
 100 g/hp.h - 100 g/hp.h
 100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h
 100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h

100 g/hp.h - 100 g/hp.h

PROPULSION TABLE

Maximum net power (kW/gross hp)	Rotation (rpm)	Line shaft (mm)	Power output (kW/gross hp)	Power output
100 (135)	2000	100	100	100
100 (135)	2200	100	100	100
100 (135)	1500	100	100	100
100 (135)	1800	100	100	100

CHARACTERISTICS OF DIFFERENT SYSTEMS

<ul style="list-style-type: none"> • Supply system (mechanical water pressure) High pressure High flow capacity High speed water flow Good control over temperature Water conservation 	High High High High	High High
<ul style="list-style-type: none"> • Sea water direct supply (SWD) High pressure water pump 	High	High
<ul style="list-style-type: none"> • Submarine air circuit Submarine air compressor (airflow) High flow capacity High speed water flow (air-water mixture) Control of air flow and water temperature Submarine air 	High High High High	High High
<ul style="list-style-type: none"> • Full flow Submarine air supply Full flow pump with air-water mixture pressure 	High	High
<ul style="list-style-type: none"> • Special system High pressure water pump High flow capacity High speed water flow (air-water mixture) Control of air flow and water temperature Submarine air supply 	High High High High	High High
<ul style="list-style-type: none"> • Air flow system High flow capacity in flow Air flow (air-water mixture) 	High	High
<ul style="list-style-type: none"> • Submarine system Submarine air supply Submarine air Submarine air-water mixture 	High High High	High High High
<ul style="list-style-type: none"> • Water flow system High flow capacity High flow High flow (air-water mixture) 	High High High	High High High

DIMENSIONS

Equivalent B	Water flow in kg (air-water mixture) per sec
100 mm x 100 mm	100

