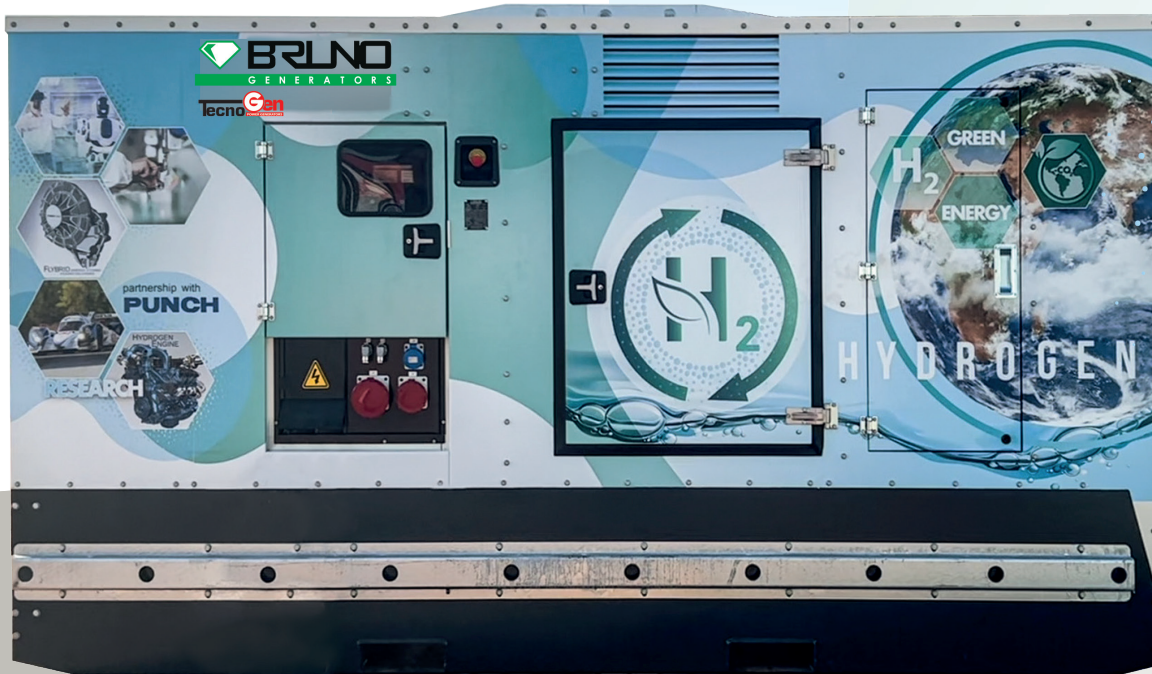


WORLD'S FIRST HYDROGEN POWERED GENERATOR WITH PUNCH FLYBRID FLYWHEEL POWER BOOST

GREEN

ENERGY



ULTRA-SILENT CANOPY FUSTEQ SERIES

MAIN FEATURES



HYDROGEN POWER



LOWER NOISE LEVEL



**ULTRA SILENT
COMPACT CANOPY**



BOOST PEAK POWER FACILITY
RAPID LOAD RESPONSE 30ms



**BRUNO PATENTED INNOVATIVE
FUSTEQ COOLING SYSTEM**

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 **BRUNO**
GENERATORS

 **TecnoGen**
POWER GENERATORS

HYDROGEN POWERED GENERATOR WITH PUNCH FLYBRID FLYWHEEL POWER BOOST

GENERATING SET	Unit	H ₂ 100 FQ	
Frequency	Hz	50	60
Voltage	V	400	480
kVA PRP Power	kVA	105	120
kVA COP Power	kVA	70	70
Power Factor		cos ϕ 0,8	
Fuel Consumption 75% load	m ³ /h	66,74	74,53
Fuel Consumption 75% load	Kg/h	6	6,7
Weight	kg	3300	
Dimensions (LxHxW)	mm	3982 x 2275 x 1193	
Control Panel		SCP 8610 synchronizing control panel	

ENGINE	Unit	PUNCH Hydrocells H ₂ ICE	
Featuring GM Engine Components			
	rpm	1500	1800
kVA PRP Power	kWm	100	110
kVA COP Power	kWm	70	70
Regulator		Electronic	
Cylinder and arrangement		8V	
Total displacement	cm ³	6600	
Aspiration		Turbocharged	
Fuel		HYDROGEN - H ₂	

FLYWHEEL	Unit	PUNCH Flybrid
Model		2000 Series
Peak Power	kW	200 (8 seconds)
Energy Storage	kJ	2000 (100% SoC)
eMotor	V	800
eMotor	Nm	250

ALTERNATOR	Unit	LEROY SOMER
Model		LSA44.3M6
Continuous Power at 40 °C	kVA	125 at 50Hz - 156 at 60Hz
Max efficiency 4/4	%	92,3 at 50 Hz - 92,8 at 60 Hz
Phases		4P/3+N
Excitation System		AREP
Winding Protection		System 2

EQUIPMENT

- **ULTRA-SILENT CANOPY HOT DIPPED GALVANISED – POWDER COATED**
- ELECTRIC RADIATOR WITH **VSi** TECHNOLOGY IN A SEPARATE COMPARTMENT
- STAINLESS STEEL RESIDENTIAL SILENCER
- CONTROL PANEL WITH **DSE 8610 MKII** SYNCHRONIZED CONTROLLER. OTHER MANUFACTURERS CONTROL PANELS AVAILABLE
- MOTORISED CIRCUIT BREAKER
- BATTERY ISOLATOR SWITCH
- CENTRAL LIFTING POINT – FORK LIFT POCKETS
- FLYBRID FLYWHEEL – POWER BOOST OPTION

