



**“Get the power everywhere with you”**

## **Product Catalog**

**DAS B - 2000**



GENERATING RATES		PRIME	STANDBY
Power	KVA	1840	2000
Power	KW	1472	1600
Current	A	2650	2800
Standard Voltage	V	400/230	
Revolution Per Minute	r.p.m.	1500	
Rated at power factor	Q	0,8	

**STANDBY POWER;**

Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

**PRIME POWER;**

Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility power failure. 10% overload capability is available.


**STANDARD FEATURES**

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- Protection system on manual run
- Flexible oil pipes and oil draining valve
- Pre-heater
- Lubrication oil anti-freeze
- 4 Poles, synchron type, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

**OPTIONAL EQUIPMENTS**

- Sound proof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manual)
- Analog indicators
- 1 Phase - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

#### ENGINESPECIFICATIONS

Brand		BAUDOIN
Model		B4016TAG1A
Engine Power Stand BY	(kWm / hp)	1690/2283
Revolution Per Minute	(r.p.m.)	1500
Total Displacement	(L)	61.12
Cylinders Orientation		12 V
Bore x Stroke	(mm x mm)	160 x 190
Compression Orientation		13,6,:1
Governor Type		ELECTRONIC
Aspiration System		TURBO CHARGE
Injection		DIRECT
Cooling		WATER COOLED
Electrical System	(VDC)	24
Lub-Oil Capacity	(L)	237
Engine Coolant Capacity	(L)	245
Fuel Tank Capacity	(L)	2000
Maximum Exhaust Temperature	(°C)	459
Maximum Exhaust Gas Flow	(m3/h)	215
Maximum Allowed Back Pressure	(kPa)	30
Cooling Air Flow	(m3/min)	1770
Fuel Consumption 50 %	(L/h)	191
Fuel Consumption 75 %	(L/h)	287
Fuel Consumption 100 %	(L/h)	389

- Replaceable cylinder jacket • Dry type replaceable oil filter • Heat-resistant radiator for 50 °C

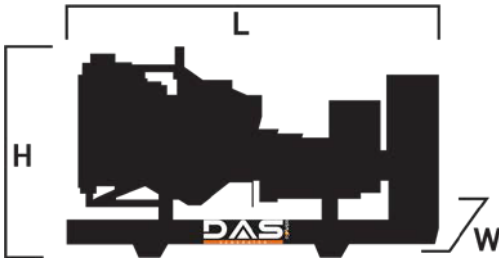
#### ALTERNATORSPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 23
Efficiency	(%)	96
Overloading		110 % FOR 1 HOUR
Power Factor	(Qi)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

- 4Poles,Self-ExcitationandSelf-Cooled,Brushless,Synchrontypealternator • Electronic type automatic voltage regulator (AVR)

**DIMENSIONS WITHOUT CANOPY**

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & checksynch
- Allows closed transfers
- 16Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple nominal conditions
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummyload
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fulling & fuel the ft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains powercounters
- Fuel fulling counter
- Fuel consumptioncounter
- Modem & Ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB& RS232)
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket

**DIMENSIONS ANDWEIGHT**


Length ( L )	mm	5000
Height ( H )	mm	2250
Width ( W )	mm	1800
Wet weight	kg	12500
Fuel Tank Capacity	L	2000

**DIMENSIONS ANDWEIGHT**


Length ( L )	mm	5000
Height ( H )	mm	2300
Width ( W )	mm	1800
Wet weight	kg	13600
Fuel Tank Capacity	L	2000



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**Adres:** Malıköy Başkent OSB, the 17 avenue No:8 Sincan/ANKARA

**T:** 0850 241 06 83

**[www.daspower.com.tr](http://www.daspower.com.tr)**

**[info@daspower.com.tr](mailto:info@daspower.com.tr)**

**Contact Us**

