

ORDER INFORMATION

Dual-Fuel System

This sheet helps HEINZMANN application engineers to calculate and advice the proper dual-fuel equipment for your engine application. Please fill in this form and do not hesitate to contact HEINZMANN in case of doubts or questions. For repeated identical applications this procedure will not be required. Please use always the latest order form which you can find at

www.heinzmann.com/en/engine-turbine/dual-fuel-management/gas-mixer-based www.heinzmann.com/en/engine-turbine/dual-fuel-management/gas-admission-valve-based

CUSTOMER INFORMATION		
Company		
Address		
Email	Phone	Fax
Customer-ID	Order No.	
Contact person/Division	Date	
ACTUAL CONDITION		
Total running hours h	Running hours per day or year day or year	
Commissioning date of the engine	Last maintenance of the	e fuel system
Load collective (typical load when engine is	running)	% or kW
Actual diesel price	Actual gas price	
Engine type and producer Max. diesel power kW Engine speed rpm Inline-engine V-engine	Cylinder displacement Cylinder number and fin Mechanical efficiency o	
AIR INTAKE SYSTEM		
Air system configuration (flow diagram)		
Turbocharger	Number Co	onfiguration
Max. boost pressure abs. bar		
Max. inlet air temperature after intercooler a	at full load °C	
Valve timing (Important for engine speed $<$	1000 rpm)	
• <u> </u>	ke valve close	°crank
Exhaust valve open crank Exh	aust valve close	°crank
DIESEL FUEL SYSTEM		
Diesel fuel pump	Diesel governor type	
Diesel fuel type	Heat value	MJ/kg
Diesel flow meter available Ves No.	Lambda at diesel full lo	ad



ORDER INFORMATION

SIGNAL AVAILABILITY
Actual diesel position/quantity
Actual load (generator) Yes No
Exhaust temperature for every cylinder
APPLICATION
Generator (Island or mains-parallel operation)
Other? Please explain
DUAL-FUEL SYSTEM
GAS SPECIFICATIONS
Gas type Lower heat value MJ/sc
Gas density kg/scm Stoichiometric air requirement m³/m
Range (only for variable fuel quality)
Available gas pressure bar Available gas flow scm
Availability of the gas (always available)
GAS TRAIN
Is gas train requested from HEINZMANN Yes No
Is gas flow meter available Yes No
SYSTEM COMMUNICATION AND MOUNTING PLACE FOR HEINZMANN COMPONENTS
Mounting place for controller extra switch cabinet customer switch cabinet
Is camshaft trigger disc available? Yes No
Is it possible to change diesel specific injection parameters to optimise dual-fuel efficiency?
Yes No
If yes, how can we communicate with diesel ECU?
Is it possible to use sensors from the actual diesel configuration?
If yes, how can our controller communicate with the PLC?
Monitoring and parameter setting 4-lines display touch screen DcDesk

IMPORTANT INFORMATION

ASSEMBLY AND COMMISSIONING

- HEINZMANN can not perform the mechanical installation of the dual-fuel components at your engine system. This is customer's responsility.
- HEINZMANN can offer a training course to enable the service personal to start-up, operate and calibrate the dual-fuel system.
- HEINZMANN can do the commissioning of the dual-fuel system only after assembly of the engine systeme is finished.

SCOPE OF DELIVERY FROM HEINZMANN SIDE

- Please be aware that extra materials (such as adapters, supports, gas pipes, etc.) needed for the installation of the gas valves are not included.
- Please look into the cost estimation to see the scope of supply (depends on the project).

HEINZMANN GmbH & Co. KG ■ Am Haselbach 1 ■ D-79677 Schönau/Germany Phone +49 7673 8208-0 ■ Fax +49 7673 8208-188 ■ Email info@heinzmann.de