

**Technical data****DC13 072A, 326-406 kW / 373-460 kVA (engine ref. 02-11)**

Emission compliance	Fuel injection system
Fuel optimized, non-compliant	Unit injectors, PDE

	1500 rpm (50 Hz)		1800 rpm (60 Hz)		Unit
	PRP	ESP	PRP	ESP	
Gross power	326	356	372	406	kW
	373	408	421	460	kVA
Gross torque	2075	2266	1974	2154	Nm
Spec. fuel consumption					
full load	182	183	188	191	g/kWh
3/4 load	183	184	187	187	g/kWh
1/2 load	188	187	194	192	g/kWh
Heat rejection					
to coolant	105	111	115	125	kW
to exhaust gas	207	229	251	283	kW
to charge air	50	59	72	83	kW
to surrounding air	25	27	29	32	kW
Air consumption	25	27	32	33	kg/min
Air temperature					
before charge air cooler	156	169	180	195	°C
after charge air cooler	40	43	48	49	°C
Pressure in intake manifold	1.6	1.8	1.8	2.0	Bar
Fall of pressure, charge air cooler	0.10	0.10	0.15	0.15	Bar
Exhaust flow	26	28	33	35	kg/min
Exhaust temperature	475	485	457	484	°C
Step load performance					
(According to class G2. See section 2 for more information.)	85	71	87	80	%
	278	257	328	328	kW

5**Cooling performance**Cooling package 1.1 m², fan Ø813, ratio 1:0.9

1500 rpm (50 Hz)						1800 rpm (60 Hz)					
PRP			ESP			PRP			ESP		
Air-on temp* (°C)	Airflow (kg/s)	Rest-riction (Pa)	Air-on temp* (°C)	Airflow (kg/s)	Rest-riction (Pa)	Air-on temp* (°C)	Airflow (kg/s)	Rest-riction (Pa)	Air-on temp* (°C)	Airflow (kg/s)	Rest-riction (Pa)
N/A	3	300	N/A	N/A	N/A	50	6.5	300	46	6.5	300
48	5.5	200	44	5.5	200	54	8	250	50	8	250
57	7	150	54	7	150	58	9.5	190	56	9	190
64	9	90	61	9	90	62	11	130	60	11	130

*Based on engine coolant temperature 105°C

Fan power losses (kW)

6	10
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