

**Technical data****DC09 072A, 267-321 kW / 304-361 kVA (engine ref. 02-13)**

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	267	294	292	321	kW
	304	335	328	361	kVA
Gross torque	1700	1872	1549	1703	Nm
Spec. fuel consumption					
full load	194	197	201	204	g/kWh
3/4 load	188	189	197	197	g/kWh
1/2 load	192	191	201	199	g/kWh
Heat rejection					
to coolant	90	102	98	110	kW
to exhaust gas	186	214	222	258	kW
to charge air	56	59	66	67	kW
to surrounding air	22	24	24	27	kW
Air consumption	23	23	27	27	kg/min
Air temperature					
before charge air cooler	196	201	197	201	°C
after charge air cooler	51	52	52	53	°C
Pressure in intake manifold	2.3	2.4	2.2	2.3	Bar
Fall of pressure, charge air cooler	0.10	0.10	0.10	0.10	Bar
Exhaust flow	24	24	28	28	kg/min
Exhaust temperature	460	506	473	529	°C
Step load performance					
(According to class G2. See section 2 for more information.)	67	60	81	73	%
	181	181	238	238	kW

Cooling performanceCooling 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)
47	3	300	42	3	300	54	6.5	300	52	6.5	300
55	5.5	200	50	5.5	200	57	8	250	55	8	250
64	7	150	59	7	150	62	9	190	59	9	190
71	9	90	66	9	90	65	11	130	63	11	130

*Based on engine coolant temperature 105°C

Fan power losses (kW)

6	10
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