

**Technical data****DC09 072A, 226-276 kW / 253-309 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	226	249	251	276	kW
	253	280	278	309	kVA
Gross torque	1439	1585	1332	1464	Nm
Spec. fuel consumption					
full load	189	192	197	199	g/kWh
3/4 load	189	188	197	197	g/kWh
1/2 load	196	194	205	202	g/kWh
Heat rejection					
to coolant	78	85	86	92	kW
to exhaust gas	142	166	171	201	kW
to charge air	48	53	65	66	kW
to surrounding air	18	20	21	23	kW
Air consumption	21	22	27	27	kg/min
Air temperature					
before charge air cooler	180	189	194	196	°C
after charge air cooler	47	49	49	51	°C
Pressure in intake manifold	2.0	2.2	2.2	2.2	Bar
Fall of pressure, charge air cooler	0.10	0.10	0.10	0.10	Bar
Exhaust flow	22	23	27	28	kg/min
Exhaust temperature	390	428	381	434	°C
Step load performance					
(According to class G2. See section 2 for more information.)	79	72	94	86	%
	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)
53	3	300	50	3	300	59	6.5	300	57	6.5	300
62	5.5	200	58	5.5	200	62	8	250	60	8	250
70	7	150	67	7	150	65	9	190	63	9	190
76	9	90	73	9	90	68	11	130	67	11	130

*Based on engine coolant temperature 105°C

Fan power losses (kW)

6	10
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