

**Technical data****DC13 072A, 365-449 kW / 413-508 kVA (engine ref. 02-12)**

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	365	403	410	449	kW
	413	456	456	508	kVA
Gross torque	2324	2566	2175	2382	Nm
Spec. fuel consumption					
full load	183	186	191	195	g/kWh
3/4 load	184	183	187	187	g/kWh
1/2 load	186	185	192	190	g/kWh
Heat rejection					
to coolant	112	119	127	143	kW
to exhaust gas	235	271	287	324	kW
to charge air	61	75	84	98	kW
to surrounding air	28	31	33	37	kW
Air consumption	28	30	34	35	kg/min
Air temperature					
before charge air cooler	173	192	197	214	°C
after charge air cooler	44	48	49	50	°C
Pressure in intake manifold	1.9	2.2	2.0	2.1	Bar
Fall of pressure, charge air cooler	0.10	0.15	0.15	0.15	Bar
Exhaust flow	29	32	35	36	kg/min
Exhaust temperature	488	509	488	524	°C
Step load performance					
(According to class G2. See section 2 for more information.)	69	63	79	72	%
	257	257	328	328	kW

Cooling performanceCooling package 1.3 m², fan Ø914, 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)
45	1.5	500	N/A	N/A	500	59	5.5	500	55	5.5	500
61	6	300	57	6	300	64	8.5	400	60	8.5	400
68	8.5	200	65	8.5	200	69	11	300	66	11	300
72	11.5	150	69	11.5	150	71	14	220	68	14	220

*Based on engine coolant temperature 105°C

Fan power losses (kW)

10	17
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