

Specific engine data

preliminary

issue: 27.10.2021

TCD 5.2 L4 Industrie EU Stage V DOC + DPF + SCR		engine speed	min ⁻¹	2300	2200	2100	2000	1900	1800	1400	1300	1200	1100	1000	800
power category I	rated power	kW	170,0	170,0	170,0	170,0	170,0	170,0	170,0						
	torque	Nm	706	738	773	811	854	902	950	950	883	817	750	500	
	spec. fuel consumption	g/kWh	213	211	209	207	205	205	196	194	192	193	199	205	
	exhaust gas temperature	°C	520	526	527	531	539	558	495	480	469	492	515	460	
	combustion air volume flow	m³/h	752	730	711	686	659	631	507	467	398	308	240	139	
	exhaust gas volume flow	m³/h	1631	1610	1582	1551	1522	1503	1185	1089	938	769	631	350	
	inlet vacuum (min / max)	kPa	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3							
	pressure difference CAC max.	kPa	15	15	15	15	15	15							
	exhaust back pressure (min / max)*	kPa	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3							
power category II	rated power	kW	150,0	150,0	150,0	150,0	150,0	150,0	150,0						
	torque	Nm	623	651	682	716	754	796	950	950	883	817	750	500	
	spec. fuel consumption	g/kWh	213	210	205	203	201	200	198	194	192	193	199	205	
	exhaust gas temperature	°C	455	460	453	459	467	480	495	480	469	492	515	460	
	combustion air volume flow	m³/h	748	723	704	678	650	621	507	467	398	308	240	139	
	exhaust gas volume flow	m³/h	1514	1486	1448	1420	1388	1364	1185	1089	938	769	631	350	
	inlet vacuum (min / max)	kPa	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3							
	pressure difference CAC max.	kPa	15	15	15	15	15	15							
	exhaust back pressure (min / max)*	kPa	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3							
power category II	rated power	kW	130,0	130,0	130,0	130,0	130,0	130,0	130,0						
	torque	Nm	540	564	591	621	654	690	887	950	883	817	750	500	
	spec. fuel consumption	g/kWh	213	209	206	203	201	198	192	194	192	193	199	205	
	exhaust gas temperature	°C	394	395	392	397	406	415	446	480	469	492	515	460	
	combustion air volume flow	m³/h	742	716	701	674	649	617	501	467	398	308	240	139	
	exhaust gas volume flow	m³/h	1398	1364	1337	1309	1287	1252	1123	1089	938	769	631	350	
	inlet vacuum (min / max)	kPa	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3							
	pressure difference CAC max.	kPa	15	15	15	15	15	15							
	exhaust back pressure (min / max)*	kPa	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3							

* rearward exhaust aftertreatment

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power category III	rated power	kW	115,0	115,0	115,0	115,0	115,0	115,0	115,0						
	torque	Nm	478	499	523	549	578	610	785	845	883	817	750	500	
	spec. fuel consumption	g/kWh	216	210	207	203	201	198	189	189	192	193	199	205	
	exhaust gas temperature	°C	357	355	350	354	361	370	397	428	469	492	515	460	
	combustion air volume flow	m³/h	735	707	692	665	638	610	496	453	398	308	240	139	
	exhaust gas volume flow	m³/h	1322	1282	1253	1223	1197	1170	1026	993	938	769	631	350	
	inlet vacuum (min / max)	kPa	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3							
	pressure difference CAC max.	kPa	15	15	15	15	15	15							
	exhaust back pressure (min / max)*	kPa	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3							
power category III	rated power	kW	100,0	100,0	100,0	100,0	100,0	100,0	100,0						
	torque	Nm	415	434	455	478	502	531	682	734	795	817	750	500	
	spec. fuel consumption	g/kWh	234	222	214	205	202	199	189	188	190	193	199	205	
	exhaust gas temperature	°C	357	339	324	318	321	326	374	405	447	492	515	460	
	combustion air volume flow	m³/h	734	706	687	646	627	597	457	413	367	308	240	139	
	exhaust gas volume flow	m³/h	1326	1254	1201	1135	1112	1078	926	888	849	769	631	350	
	inlet vacuum (min / max)	kPa	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3	-1,5 / -3							
	pressure difference CAC max.	kPa	15	15	15	15	15	15							
	exhaust back pressure (min / max)*	kPa	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3							

* rearward exhaust aftertreatment