

RICARDO

	TECHNICAL VALUES / MODELS	K4100D	K4100ZD	K4102ZD	ZH4105ZD	ZH4105ZLD	R4105ZD	R4105AZLD	R4105BZLD	R6105ZLD	R6105AZLD	R6105BZLD	R6110ZLD	R6113AZLD
	Continuous Power (KW/1500rpm, 12h)	30	42	45	52	59	56	66	72	100	110	132	155	175
	Maximum power (KW/1500 rpm, 1 h.)	33	46	50	57	65	62	73	79	110	121	145	170	192
	Tork Max. (NM/RPM)	191,6	267,4	287	331	375	356,5	420	477,5	636	764	840	1082	1082
CONTINUALLY WORKING VALUES	Mean Effective Pressure (Kpa)	667	930	997	1256	1325,00	1035	1219	1386	1233	1422	1508	1766	1766
	Fuel Consumption(lt / kW.h)	≤0,216	≤0,216	≤0,216	≤0,206	≤0,206	≤0,206	≤0,206	≤0,206	≤0,194	≤0,194	≤0,194	≤0,194	≤218
	Exhaust gas temperature (°C)	420	460	460	520	520	520	520	520	520	520	520	520	650
	Type	four-stroke, water-cooled, combustion chamber, straight row			four-stroke, water-cooled, direct injection, straight-line									
	Pistons Number, Capxstrok (MMXM)	4-100*115	4-100*115	4-102*115	4-105*120	4-105-125	4-105*125	4-105*130	4-105*135	6-105*125	6-105*130	6-105*135	6-110*135	6-113*130
	Motor Total Cylinder Volume (L)	3,61	3,61	3,76	4,15	4,33	4,33	4,5	4,67	6,49	6,75	7	7,7	7,52
	Air absorpton method	doğal emişli	turboşarjlı		turboşarjlı	turboşarj+intercooler	turboşarjlı	turboşarj+intercool						
	Compression ratio	19:01	17:01	17:01	17:01	17:01	16:01	16:01	16:01	16:01	16:01	16:01	16:01	17:01
	Max. / Min speed (giant./ min.) ≤	1575/650												
	Cooling method	water cooled												
	Cooling fluid volume (L)	13	13	13	13	16	15	15	15	20	20	20	23	23
	Lubrication method	pressurized by oil pump												
	Oil Volume (L)	10	10	10	13	16	10	10	10	16	16	16	16	17
	Fuel pump	with mechanical governor												
	Piston firing order	1-3-4-2								1-5-3-6-2-4				
	Rotation direction	counterclockwise (viewed from the flywheel side)												
	Running Method / (V)	12V starter motor			24V starter motor									
	Motor External Dimensions (U mmx g mmx y mm)	1018*690*1000					950*720*1050			1250*720*1080				
	Radiator External Dimensions (U mmx g mmx y mm)	Included in diesel engine dimensions			840*610*270	850*710*370	840*610*270	850*710*370		1050*710*420			1150*910*440	
	Volan Standardisae	3/11,5												2/11,5
	Engine empty weight (kg)	395	405	405			465	480		590			620	620
	Radiator empty weight (kg)	included in diesel engine weight					50	70	70	80	80	80	85	85