

T10000FSCG Rail Road Tracked Crane

Tracked Crane T10000FSCG

Weight	t	39.500 kg
Max reach	m	15.2 m
Max lifting capacity with minimum working radius of 4.000 mm	t	11.00
Front lifting capacity on track with extended boom of 14.000 mm	t	5,0
Front lifting capacity on rail with extended boom of 14.000 mm	t	5,0
Diesel Engine	KW	180 (deutz)
Displacement	l	6,1
Cooling System		Water
Max working pressure	bar	30
Max flow of the pumps	l/min	270 + 130
Speed on rail	Km/h	20
Speed on road	Km/h	3
Diesel tank capacity	l	300
Hydraulic oil tank capacity	l	250

Maximum Travelling Speed	14 mph	Maximum service braked towed load	80T
Maximum Working Speed	5 mph	Maximum On/Off Track gradient	1:25
Maximum Travelling Speed Through Switches and Crossings	5 mph	Maximum On/Off Track Cant	150mm
Maximum Travelling Speed Through Raised Checkrails	5 mph	May Travel and work under LIVE overhead lines. See ECC.	Yes
Maximum Working Cant	150mm	May Travel On LIVE 3 or Rail Lines	NO
Maximum Working Gradient	1:25	May Be Used On Isolated and Bonded ¼ Rail Lines	YES
Minimum Travelling radius	80m	May Be Used Adjacent To Running Line In Work Mode. See ECC	YES
Minimum Working Radius	80M		
Maximum non Service Braked Towed Load	0	NOT PERMITTED OUTSIDE A POSSESSION	

Engine type	Dimension	TCD 4.1 L4	TCD 6.1 L6	TTCD 6.1 L6
Working principle		Four-stroke diesel engine		
Charging		Turbocharger with charge air cooling		
Type of cooling		water-cooled		
Cylinder arrangement		in series		
No. of cylinders		4	6	
Bore/stroke	[mm]		101/126	
Total displacement	[cm ³]	4038	6057	
Combustion process		Direct injection		
Injection system		Deutz Common Rail (DCR)		
Exhaust gas recirculation		external		
Exhaust gas aftertreatment		Selective Catalytic Reduction SCR and Diesel particle filter DPF		
Valves per cylinder		4		
Valve clearance: Inlet/outlet	[mm]		0,3 / 0,5	
Setting with rotary angle disc	[°]		75 ⁺¹⁵ / 120 ⁺¹⁵	
Firing order of the engine		1-5-3-6-2-4		
Direction of rotation looking onto the flywheel		left		
Engine power rating according to ISO 3046	[kW]		see engine rating plate	
Speed (nominal revolutions)	[min ⁻¹]		see engine rating plate	
Coolant volume (only engine content without cooler / hoses and pipes)	= [l]	5.9	11.5	12
Permissible continuous coolant temperature	[°C]		max. 110	
Temperature difference between coolant inlet/outlet	[°C]		4 - 8	
Start of thermostat opening	[°C]		87	
Thermostat fully open	[°C]		102	
Lubricating oil change volume (with filter)	= [l]			
Industrial engines/Agricultural technology		11.5*	15.5* / 26.5*	26.5*
Lube oil temperature in the lube oil tray, maximum	[°C]		125	
Lubricating oil pressure minimum (low idle, engine warm)	[kPa/bar]		80/0.8	
Permissible maximum combustion air temperature after charge air cooler	[°C]		50	
V-belt tension		Pre-tensioning/Re-tensioning		
V-belts AVX 13 (width: 13 mm)	[N]		650±50/400±50	
V-rib belt tensioning		Automatic tensioning spring-loaded clamping roller		
Weight without cooling system according to DIN 70020-A				
Industrial engines/Agricultural technology	= [kg]	400 / 450	621 / 641	680

*specified lubricating oil filling volumes apply for standard versions. In engines which deviate from the standard, for example different lubricating oil pans/dipstick variants and/or special inclined versions, the lubricating oil volume may vary. **The lubricating oil dipstick mark is always decisive.**

