

Standard Quotation

183 AA/TA/TE 91, 92

Propulsion Plants
for Yachts and Fast Ships



mtu

Deutscher Aerospace



Technical Data

Engine Model	DT 100 kW ¹⁾	DT 100 hp ²⁾	DT 100 kW ¹⁾	DT 100 hp ²⁾	DT 100 kW ¹⁾	DT 100 hp ²⁾
Number of cylinders	4 single direct 90° V-in-line cylinders, direct injection, piston cooling					
Construction	water-cooled					
Number of valves	4	4	4	4	4	4
Stroke	100 mm					
Maximum engine speed	1500 rpm					
Maximum torque	14.00	19.0 ²⁾	1	13.5 ²⁾	18.5 ²⁾	25.5 ²⁾
Idle speed (rpm)	700 ± 50 rpm					
Direction of rotation	clockwise (looking forward)					
Compression ratio	16.0					
Injection system	1 injector					
Max. gross power at 1500 rpm	10.0 kW					
Max. torque	17.0	23.0	19.0	26.0	33.0	45.0
Max. speed	20	27.0	23	31	37	50
Engine capacity	4	5.4	5.4	7.4	9.4	12
Oil circulating system	dry sump					
Oil	2-100	200	200	200	200	200
Oil capacity (L)	10					
Oil consumption	2-100					
	approx. 0.2 g of fuel consumption (per 1 hp-hr)					
Max. permissible oil temperature at engine inlet	50					
Max. permissible oil temperature at engine outlet	60					
Max. permissible oil temperature at engine inlet	60					
Max. permissible oil temperature at engine outlet	70					
Maximum air intake temperature	20	30	35	45	55	65
Exhausting	20	30	35	45	55	65
Exhausting	20	30	35	45	55	65
Max. water flow	200	25.0	25.0	25.0	25.0	25.0
Maximum speed	2000	30	35	45	55	65
Exhaust flow	2000	30	35	45	55	65
Exhaust temperature	150	200	200	200	200	200
Exhaust system	silencer					
Maximum engine speed	2000	30	35	45	55	65
Max. torque	17.0	23.0	19.0	26.0	33.0	45.0
Max. speed	20	27.0	23	31	37	50
Max. torque	17.0	23.0	19.0	26.0	33.0	45.0
Max. speed	20	27.0	23	31	37	50
Max. torque	17.0	23.0	19.0	26.0	33.0	45.0
Max. speed	20	27.0	23	31	37	50

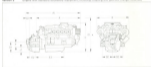
¹⁾ kW (gross) with speed

²⁾ Data shown for 1500 rpm only

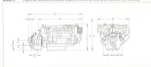
Model 1 Engine with standard auxiliary equipment



Model 2 Engine with standard auxiliary equipment, including cooling and generator (generator mounted)



Model 3 Engine with standard auxiliary equipment, including cooling and generator (generator mounted)



Reference Diagrams



