



CATERPILLAR

MARINE PROPULSION ENGINE

3114

105-200
2400-2800

SPECIFICATIONS

In-line 4, 4-Stroke-Cycle Diesel		
Bore — mm (in)	105	(4.12)
Stroke — mm (in)	127	(5.0)
Displacement — liter (cu in)	4.4	(268)
Rotation (from flywheel end)		ccw
Compression Ratio		15.5:1
Capacity for Liquids — liter (U.S. gal)		
Cooling System (engine only)	32.0	(8.5)
Lube Oil System (refill)	10.0	(2.6)
Oil Change Interval		250 hrs
Engine Weight, Net Dry (approx.) — kg (lbs)		
Turbocharged (T)	554	(1220)
Turbocharged-Aftercooled (TA)	568	(1250)



Shown with Access

PERFORMANCE DATA*

Turbocharged-Aftercooled

Rating Level	E			C			B			A		
Rated rpm	2800			2600			2400			2400		
Engine Power @ rpm	145 kW (195 hp) 198 PS			112 kW (150 hp) 152 PS			101 kW (135 hp) 137 PS			101 kW (135 hp) 137 PS		

rpm	2800	2400	2000	2600	2200	1800	2400	2000	1600	2400	2000	1600
kW	145	92	53	112	68	37	101	58	30	101	58	30
g/kW-hr	228	223	237	225	221	234	222	218	231	222	218	231
L/hr	39.5	24.4	15.0	30.0	17.9	10.4	26.6	15.1	8.2	26.6	15.1	8.2

bhp	195	123	71	150	91	50	135	78	40	135	78	40
lb/hp-hr	.375	.367	.390	.370	.363	.385	.365	.358	.380	.365	.358	.380
gal/hr	10.4	6.4	4.0	7.9	4.7	2.7	7.0	4.0	2.2	7.0	4.0	2.2

Turbocharged

Rating Level	E			C			B			A		
Rated rpm	2800			2600			2400			2400		
Engine Power @ rpm	119 kW (160 hp) 162 PS			93 kW (125 hp) 127 PS			78 kW (105 hp) 107 PS			78 kW (105 hp) 107 PS		

rpm	2800	2400	2000	2600	2200	1800	2400	2000	1600	2400	2000	1600
kW	119	75	43	93	57	31	78	45	23	78	45	23
g/kW-hr	241	236	251	238	233	248	234	229	243	234	229	243
L/hr	34.3	21.2	12.9	26.4	15.7	9.0	21.8	12.4	6.7	21.8	12.4	6.7

bhp	160	101	58	125	76	41	105	61	31	105	61	31
lb/hp-hr	.396	.388	.413	.391	.383	.408	.385	.377	.400	.385	.377	.400
gal/hr	9.1	5.6	3.4	7.0	4.2	2.4	5.8	3.3	1.8	5.8	3.3	1.8

*Represents performance along a typical fixed pitch propeller curve.

