



CATERPILLAR

MARINE PROPULSION ENGINE

3114

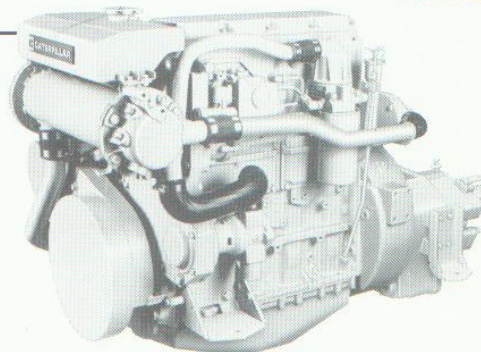
105-200 hp
2400-2800 rpm

Preliminary

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)



PERFORMANCE DATA*

Shown with Accessory Equipment

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.