



# YANMAR

# Cherubini Yachts

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## PERFORMANCE REPORT

### Cherubini T220



### Boat Specification

Hull Number:	CT220-2016
Material:	Fiberglass / Wood
Length (ft.):	20' 0"
Beam (ft.):	6' 10"
Draft (ft.):	2' 6"
Displacement (lbs.):	2700 lbs.
Fuel Cap. (US Gals.):	54 Gals.
Water Cap. (US Gals.):	N/A
Number of Engines:	1

### Engine Specification

Engine Model:	BY220Z
Cyl. Configuration:	In Line
Number of Cylinders:	6
Bore x Stroke:	84 mm x 90 mm
Displacement:	183 cu. In.
Cont. hp @ rpm:	167 hp @ 3600
Max. hp @ rpm:	220 hp @ 4000 rpm
Dry Weight (w/o Gear):	683 lbs.

### Performance Data

RPM	MPH Statute Mi.	Knots Nautical Mi.	GPH Total	MPG Statute Mi.	*Range Statute Mi.
670	5,70	4,95	0,30	19,00	931
1000	7,70	6,69	0,60	12,83	629
1500	10,30	8,95	1,70	6,06	297
2000	16,60	14,43	3,00	5,53	271
2500	26,50	23,03	4,20	6,19	303
3000	33,90	29,46	5,90	5,74	281
3400	36,90	32,07	8,70	4,24	208
3600	37,50	32,59	10,60	3,53	173
3800	40,50	35,19	11,30	3,58	175
4000	44,00	38,23	12,20	3,61	177
4071(WOT)	47,50	41,28	12,10	3,93	193

### Weather Conditions

Air Temperature (°F):	70°
Water Temperature (°F):	61°
Wind Velocity (mph):	10 to 15 mph
Wave Conditions:	1' Chop

### Propeller Data

Brand:	Mercury <i>Energia</i>
Diameter x Pitch (in.):	14 1/8" x 21"
Number of Blades:	3
Cup Rating:	
Rake Angle:	
DAR / EAR (%):	

### Drive Train

Drive Configuration:	Sterndrive
Gear & Model:	Mercuriser Bravo I
Gear Ratio:	1.50 : 1

### Boat Load

Fuel Load (US Gals.):	54 Gals.
Water Load (US Gals.):	N/A
People on Board:	3

Rv 08.22.06

NOTE: \*The range in statute miles data is based on 90% fuel capacity.

### Performance Summary

Test Date:	20/10/2006
Cruise Speed Range:	26 to 36 mph
Max. Speed & rpm:	47.50 mph @ 4071 rpm
Accel. (Idle to plane in seconds):	7,00
Intallation By:	Cherubini Yachts
Boat Tested By:	Mack Boring

### Comments

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