


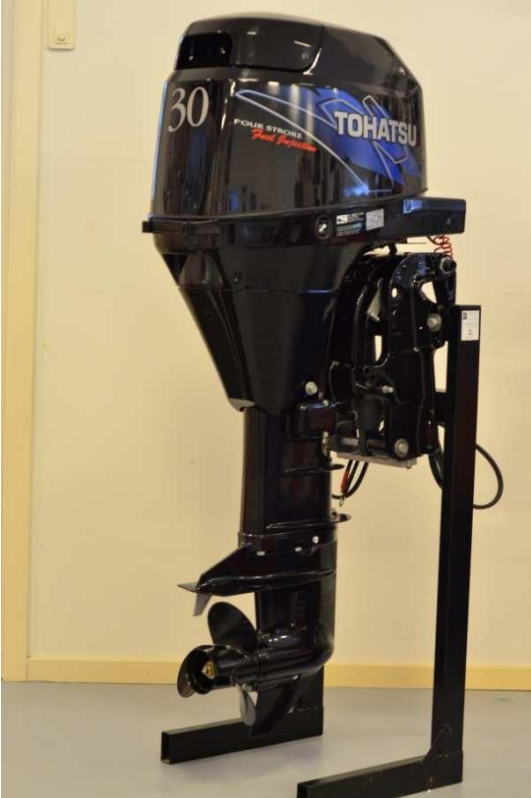
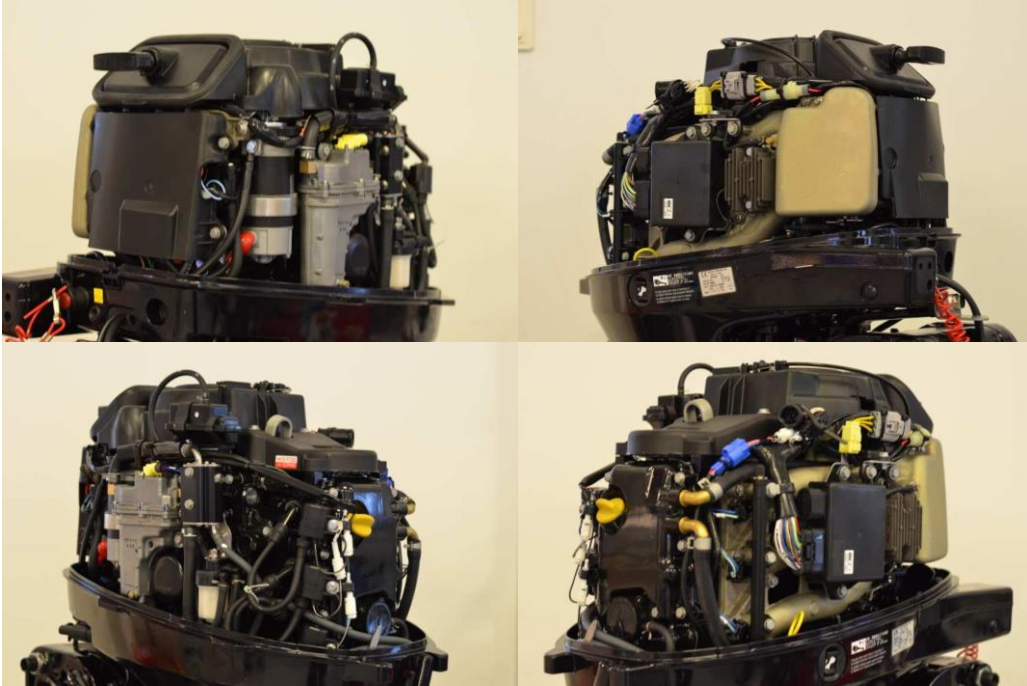


Homologation Engine Model: Tohatsu 30B und 30C

Bilder Tohatsu 30B

<p>Photo of the complete engine, 45° from the front at the port side.</p>	<p>Photo of the complete engine, 45° from the front at the starboard side.</p>
 A black Tohatsu outboard motor mounted on a black metal stand. The motor is viewed from a 45-degree angle from the front, port side. The top cowling is black with a blue and white 'TOHATSU' logo. The propeller is visible at the bottom.	 A black Tohatsu outboard motor mounted on a black metal stand. The motor is viewed from a 45-degree angle from the front, starboard side. The top cowling is black with a blue and white 'TOHATSU' logo. The propeller is visible at the bottom.
<p>Photo of the complete engine, 45° from the rear at the port side.</p>	<p>Photo of the complete engine, 45° from the rear at the starboard side.</p>
 A black Tohatsu outboard motor mounted on a black metal stand. The motor is viewed from a 45-degree angle from the rear, port side. The top cowling is black with a blue and white 'TOHATSU' logo, 'FOUR STROKE' text, and the number '30'. The propeller is visible at the bottom.	 A black Tohatsu outboard motor mounted on a black metal stand. The motor is viewed from a 45-degree angle from the rear, starboard side. The top cowling is black with a blue and white 'TOHATSU' logo, 'FOUR STROKE' text, and the number '30'. The propeller is visible at the bottom.

Bilder *Tohatsu 30B*



Bilder *Tohatsu 30C*



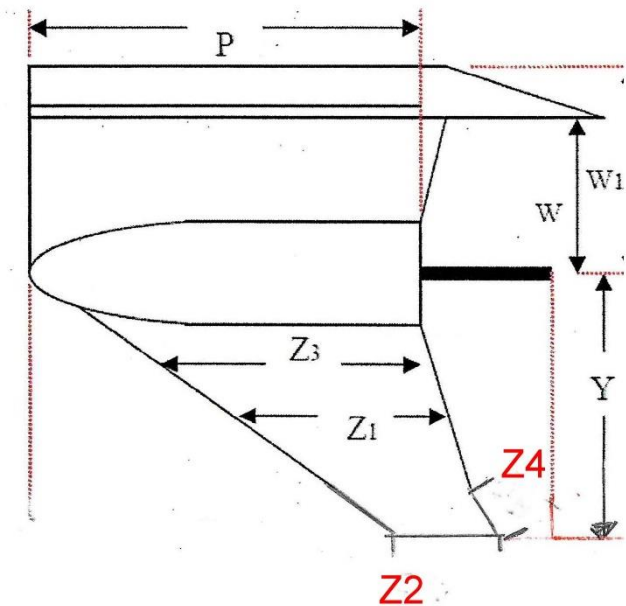
Tohatsu 30B /30C werden mit dem ECU Rennsteuergerät "ADAC Cup Klasse 2011-2017" Gefahren!

UNDERWATER UNIT

Tolerance

Measurement Unit

	Tolerance	Measurement	Unit
Gear Ratio		12:23 (1.92)	
P Longitudinal length of gearcase torpedo	+/- 5.0	340.0	mm
Q Longitudinal dimension of gearcase including propeller shaft	max	355.0	mm
R Transverse dimension of gearcase	min	80.5	mm
S Thickness of strut	min	36.0	mm
Z1 Skeg chord length,	+/- 5.0	110.0	mm
Z2 Skeg chord length,	+/- 5.0	180.0	mm
Z3 Skeg chord length,	+/- 5.0	135.0	mm
Z4 Skeg chord length,	+/- 5.0	60.0	mm
W1 Distance from propeller shaft to upper flange	+/- 5.0	237.0	mm
W Distance from propeller shaft to anti-ventilation plate	+/- 5.0	148.0	mm
Y1 Thickness of skeg, 25mm above bottom	min	6.0	mm
Y3 Thickness of skeg, 75mm above bottom	min	9.0	mm
Y Skeg depth from propeller shaft	+/- 5.0	190.0	mm



MEASUREMENTS

ENGINE FUEL

Type:	Petrol Unleaded
Minimum octane required:	90 RON

ENGINE TYPE

Number of cylinders:	3 Cylinders
Cylinder arrangement:	In line

ENGINE BLOCK

	Tolerance	Measurement	Unit
Bore	+/- 0.10	61.0	mm
Stroke	+/- 0.10	60.0	mm
Capacity per cylinder	max	176.2	cc
Total Capacity	max	528.6	cc
Cylinder block material		Aluminium	
Cylinder liner material		Steel	
Distance from crankshaft centreline to cylinder block deck face. (updated 00524C)			

CYLINDER HEAD

	Tolerance	Measurement	Unit
Cylinder head material		Aluminium	
Volume of combustion chamber (without volume of spark plug hole)	min	18,2	cc
Compression ratio	max	9.6	
Thickness of cylinder head	+/- 0.20	95.0	mm

Inlet Port:

Size of port at cylinder head/manifold face (updated 00524A)	+/- 1.00	\varnothing 26.7	mm
Internal diameter of valve seat insert	+/- 0.20	25.0	mm
Surface finish of port		Cast	

Exhaust Port:

Size of port at cylinder head/manifold face	+/- 0.50	20 x 22.0	mm
Internal diameter of valve seat insert	+/- 0.20	21.7	mm
Surface finish of port		Cast	

Inlet Valves:

Diameter of stem	+0.00/- 0.02	5.48	mm
Diameter of head	max	27.2	mm

Overall length of inlet valve (updated 00524A)	min	72.1 mm
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Exhaust Valves:

Diameter of stem	+0.00/- 0.02	5.46 mm
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Diameter of head	max	24.2
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Overall length of exhaust valve	min	72.5 mm
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Valve Springs:

Diameter of wire	max	2.4 mm
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Inside diameter of coil	min	15.8 mm
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Free length	max	36.0 mm
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Number of working turns	+/- 0.5	6.4 turns
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CAMSHAFT/SHAFTS

Tolerance	Measurement	Unit
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Inlet:

Tappet clearance for checking timing	+/- 0.02	0.15 mm
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Total valve lift	+/- 0.10	7.21 mm
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Total inlet opening angle (measured at flywheel in degrees at 0,1 mm lift)	+/- 5°	298 degrees
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Duration inlet opening angle 3mm under max lift	+/- 2°	142 degrees
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Base circle diameter of lobe	+/- 0.02	20.0 mm
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Total lift of lobe	+/- 0.05	4.28 mm
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Exhaust:

Tappet clearance for checking timing	+/- 0.02	0.20 mm
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Total valve lift	+/- 0.10	7.24 mm
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Total inlet opening angle	+/- 5°	296 degrees
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PISTONS

Material of piston	Aluminium
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Type and thickness of rings	Square	1.25 mm
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	Square	1.50 mm
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	Oil scraper	2.50 mm
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CONNECTING ROD

Tolerance	Measurement	Unit
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Length of rod from big end to small end (centre to centre)	+/- 0.10	95.9 mm
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CRANKSHAFT

Tolerance	Measurement	Unit
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Number of main bearing journals	2
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Diameter of main bearing journals	+0.00/-0.02	35.99 mm
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Diameter of connecting rod journals	+0.00/-0.03	29.98 mm
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Total number of injectors		3	Injectors
Type of injectors		Fuel	
Diameter of throttle bore	max	\varnothing 40.2	mm

COOLING SYSTEM

Type		Water
Method		Thermostat controlled
Pump		Impeller
Number of impeller blades		6

WEIGHTS	Tolerance	Measurement	Unit
Inlet valve (bare)	min	27.5	g
Exhaust valve (bare)	min	23.5	g
Inlet rocker arm (updated 00524A)	min	46.0	g
Exhaust rocker arm (updated 00524A)	min	46.0	g
Inlet/ Exhaust camshaft	min	620.0	g
Piston (with rings)	min	140.0	g
Piston Pin	min	38.0	g
Connecting Rod (with bearings)	min	164.0	g
Crankshaft (uppdated 00524C)	min	4000.0	g
Flywheel (bare)	min	2900.0	g

Veränderungen:

Getriebe sind auch mit Pickup- Wasserversorgung und nicht verlängertem Schaft zugelassen!