

Small craft

Part 1: General requirements for power boats

Amendment No. 1

Revised text amendment

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Summary

This Amendment applies to the following elements:

- Clauses 1.4, 2.1.2, 2.1.3, 2.5.1, 2.5.4, 5.4.1, A.3, F.3, F.5, F.6
- Tables 2.1, F.1

Amendment Details

AS 1799.1:2021 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Cl 1.4	1 <i>Delete</i> the entry for “M_B inboard installations” and <i>replace</i> with the following: M_B mass of boat (including installed fuel tanks and fuel, but inboard installations excluding engine and portable fuel tanks), in kilograms 2 <i>Delete</i> the entry for “M_E” and <i>replace</i> with the following: M_E mass of inboard engine, in kilograms 3 <i>Delete</i> the entry for “M_G”. 4 <i>Delete</i> the entry for “V_{hull}” and <i>replace</i> with the following: V_{hull} hull volume below the static float plane, in cubic metres
Cl 2.1.2	After the first paragraph, <i>insert</i> the following: NOTE: See Clause A.2(c) for the equation representing this calculation.
Cl 2.1.3	<i>Delete</i> the first paragraph and <i>replace</i> with the following: The maximum load capacity for boats less than 6 m in length shall be calculated in kilograms. It shall be determined by calculating or measuring the cubic capacity below the static float plane; converting this volume to the mass of water it would displace; subtracting the mass of the boat, including the filled mass of any installed fuel tanks but excluding the mass of the engine and any portable fuel tanks; allowing 1 kg of load capacity for each 5 kg of remaining displacement; and subtracting the mass of the engine. NOTE: See Clause A.3(c) for the equation representing this calculation.
Tbl 2.1	<i>Delete</i> Table 2.1 and <i>replace</i> with the following:

Table 2.1 — Masses of outboard motors and related equipment for various maximum power capacities

1		2	3	4	5	6	7
Maximum power capacity		Mass, kg			Weight, kg		
HP	kW ^c	Motor and controls ^a	Battery	Portable fuel tank and fuel	Total mass	Submerged weight	Swamped weight
0–2.0	0–1.5	15	0	0	15	10	12
2.1–3.9	1.6–2.9	20	0	0	20	13	15
4.0–6.0	3.0–4.5	28	0	11	39	19	21
6.1–10.0	4.6–7.5	48	10	22	80	39	44
10.1–15.0	7.6–11.2	60	10	22	92	47	53
15.1–20.0	11.3–14.8	75	20	22	117	63	71
20.1–25.0	14.9–18.6	90	20	22	132	73	83
25.1–45.0	18.7–33.6	110	20	45	175	87	98
45.1–60.0	33.7–44.7	130	20	45	195	100	113
60.1–75.0	44.8–55.9	166	25	45	236	127	143
75.1–100.0	56.0–74.6	185	25	45	255	140	158
100.1–120.0	74.7–89.5	195	25	45	265	147	165
120.1–145.0	89.6–108.1	220	25	45	290	163	184
145.1–220.0	108.2–164.0	255	28	45	328	189	212
220.1–300	164.1–223.7	275	28	45	348	202	227
≥ 300.1	≥ 223.8	375	28	45	448	269	302
0–25.0 ^b	0–18.6	100	40	45	185	93	105
25.1–49.9 ^b	18.7–37.2	200	40	45	285	160	180
50.0–90 ^b	37.3–67.1	250	40	45	335	193	218
90.1–120.0 ^b	67.2–89.5	325	50	45	420	250	281
120.1–150.0 ^b	89.6–111.9	378	50	45	473	285	321
150.1–200.0 ^b	112.0–149.1	415	50	45	510	310	349
200.1–290.0 ^b	149.2–216.3	440	56	45	541	331	372
290.1–440.0 ^b	216.4–328.1	545	56	45	646	401	451
≥ 440.1 ^b	≥ 328.2	695	56	45	796	501	563

^a The mass of motor and controls includes the propeller and any other items required for the normal functioning of the motor.

^b Transom designed for twin motors.

^c Outboard motors are typically rated in HP. The maximum power capacity in kW is included for reference only, rounded to the nearest 0.1 kW.

CI 2.5.1 Delete the second paragraph and its accompanying list and *replace* with the following:

Basic flotation shall be demonstrated by using one of the following means —

- (a) A practical test.
- (b) Calculation using a hydrostatic program.
- (c) Calculation using the method in Appendix B.

CI 2.5.4 Delete the second paragraph and its accompanying list and *replace* with the following: