DF65 Assembly

Permitted Variations to Class Rules

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The DragonForce65 is a Restricted Class with a Closed set of rules. For class competition, the boat is to be raced as supplied by the Licenced Builder with no modifications except as specifically permitted by the Class Rules. The following identifies the permitted variations and the class rule that allows them.

Note that this is an interpretation document only, not an official Class document. Content should be read in conjunction with the published Dragonforce 65 Restricted Class Rules 2021 version 1.7 to ensure the full intent of any rule is understood.

Fundamental Rules

Item	***Permitted Variation***	***Rule***
Repairs	Emergency repairs are permitted, but no enhancement of the original function or performance of a damaged item is allowed. Permanent repairs to hull cracks around the base of the keelbox are permitted, but limitations are imposed: • Repairs are made to the inside of the hull • Repairs are confined to an area within 30mm from the junction of the hull skin and the finbox trunking • Repairs shall be of tape, glue or resin. Reinforcing fibres or one layer of reinforcing material may be included. • No additional structure, other than the surface repair is permitted.	A7

Battery and Electronics

Item	***Permitted Variation***	***Rule***
Sail Winch	End point adjustment of the sail winch may be set either: • By programming or other adjustment of the transmitter • An external device such as a servo end-point adjuster.	B1
Rudder Servo	A non-standard servo may be installed providing it fits the standard cutout in the servo tray without modification.	B2
Battery	The battery cassette that comes with the boat may be substituted by a rechargeable battery pack with a minimum weight of 45gms.	B3

Battery	The battery pack may be fixed to either the servo tray or by hook & loop fastening to the side of the fin box and accessed through the smaller forward deck hatch. No other battery position is permitted.	B3
Battery Extension Cable	A battery extension cable may be used.	B3
Multiple Battery Packs	Multiple battery packs may be used, but all within 5g of each other.	B3
Radio Gear	Any suitable transmitter and receiver combination may be used according to owners preference.	B4
Receiver Antenna	Receiver antennae may be installed in any manner provided they remain inside the hull.	B4

Hull

Item	***Permitted Variation***	***Rule***
Hull Finish	The hull finish may be: • Repaired or repainted if damaged. • Repainted if the owner wishes to make the boat more distinctive.	C1
Decals	The standard decals on the hull may be removed.	C1
Hull Decoration	The hull and deck may be painted or decorated with paint, ink or adhesive film provided the film is not intended to reduce hull friction.	C2
Deck Patches	Any suitable material may be used provided it's function is only to seal the deck hatches	C3
Deck-eyes	Deck-eye recesses may be filled with glue or resin to prevent water leakage. Deck-eyes may be turned through any angle	C4
Replacement Hull	The hull moulding may be replaced.	C5
Hulls and Fittings	Newer version hulls and fittings may be used on older version boats.	C5
Drainage Bung	Any bung may be used, or the hole sealed with a patch. A retaining cord may be fitted to the bung.	C6
Stainless Ring	The stainless ring on the mainsheet bridle may be substituted by any similar ring	C7

Fin Box	Sealant may be applied to the joints between the fin box and hull and deck to prevent water leakage into the fin box cavity.	C8
Keel and Rudder	The keel and rudder may be painted or repaired as close to supplied section and finish as possible.	D1
Rudder	Any moulding flashing around the edge of the rudder may be sanded flush.	D2
Rudder Shaft	If the fit of the rudder shaft is too tight or too loose, the plastic fitting in the hull may be drilled out to ease the fit or drilled and sleeved to tighten.	D3
Bulb	The bulb may be painted or repaired as close to supplied section and finish as possible.	D4
Bulb	The hole in the base of the bulb may be covered with a sticker.	D5

Rigs

Item	***Permitted Variation***	***Rule***
Rigs	Rigs may be constructed using any version or mix of rig components, provided a component is used only for it's designed purpose.	E
Mast Construction	Metal mast bands that are shipped with boats supplied from 2015 onwards may be used on older boats.	G3
Mast Length	The B & C Rig mast tubes may be either supplied by the Builder, or cut down from the Builder's A Rig mast kits to the following lengths: • B Rig: Lower section 575mm, upper section 135mm • C Rig: Lower section 490mm, upper section 65mm *(Note: These are cut tube lengths and do not include fittings)*	G2
Dyneema Cord	Any suitable cord may be substituted	F1
Stainless Rings	Stainless rings supplied for rigging may be substituted by any similar rings	F1.1
Forestay	The Dyneema Jib Forestay supplied on pre version 1 – 5 boats may be substituted with wire. Wire Jib Forestays may be substituted with any suitable wire.	F2

A+ Jib	On the A+ Rig, the top of the forestay, cunningham and topping lift can be attached either: • Directly to the tang on the front of the backstay crane, or • To a metal ring hung off the tang by a short length of cord (no longer than 30mm). This allows the topping lift to clear the mast when tacking.	F3
Jib Tack	The jib tack (lower front corner) may be attached by either: • The metal hook supplied by the Builder • Tied to the eye in the Jib Boom front end fitting • Tied to the Counterweight Shaft.	F3
A+ Jib	On the A+ Rig, the top of the forestay, cunningham and topping lift can be attached either: • Directly to the tang on the front of the backstay crane, or • To a metal ring hung off the tang by a short length of cord (no longer than 30mm). This allows the topping lift to clear the mast when tacking.	F3
Jib Topping Lift	The jib boom topping lift (rear end of Jib Boom) shall comprise any system using any, or all, of the following; cord, a bowsie and a ring.	F3
Jib Clew Hook	The jib clew hook may be substituted with cord	F3
Luff rings	Luff rings may be substituted with cord ties	F4
Mainsail Clew Hook	The mainsail clew hook may be substituted with cord	F4
Backstay	The backstay system may include any combination of cord, a bowsie, a ring, a plastic bead and a hook.	F5
Jib Sheeting	After routing the jib sheet through deck-eye 5, routing through any other deck-eyes is optional.	F6
Winch Line Elastic	The elastic may be run directly to the winch line clip or routed through any other deck-eyes.	F7
Winch Line Elastic	Any suitable elastic may be substituted.	F7
Sheet Guides	The jib sheet and mainsheet guide eyes may be glued on the booms and surplus silicone bands may be removed.	F8
Bowsies	Any manufacturer’s bowsies may be used	F9

Mast Length	The B & C Rig mast tubes may be either supplied by the Builder, or cut down from the Builder's A Rig mast kits to the following lengths: • B Rig: Lower section 575mm, upper section 135mm • C Rig: Lower section 490mm, upper section 65mm *(Note: These are cut tube lengths and do not include fittings)*	G2
Mast Construction	Metal mast bands that are shipped with boats supplied from 2015 onwards may be used on older boats.	G3

Sails

Item	***Permitted Variation***	***Rule***
Sails	Sails supplied by the Builder may be substituted for any sails made by other manufacturers or individuals.	E
Jibs	Jibs may have two battens positioned anywhere along the leech	H3
Sail Construction	Reinforcement patches may be used at the sail corners, batten ends and mainsail luff attachment points: • Up to two layers per side at sail corners. • Up to one layer per side at batten ends and mainsail luff attachment points.	H4
Eyelets	Metal eyelets may be used to reinforce attachment holes in sails.	H4
Mainsail Luff Curve	The amount of luff curve is optional, but must be included in the sail cross width measurements	H8
Sail Numbering	Two or three digit numbers may be used.	H9
Class Emblem	Either the 65 logo or the RG65 class emblem may be applied to the Mainsail.	H10
Class Emblem	The emblem may be self-adhesive material or ink applied to one or both sides of the sail. If applied on both sides of the sail, port side shall be below starboard side with a clear gap between them.	H10
Sail Decoration	Sails may be decorated using ink or paint, but markings shall not interfere with easy identification of the sail numbers, or national letters.	H11
Flow Stripes	One or two flow stripes may be added using ink, paint or soft adhesive tape – not to interfere with sail numbers or national letters.	H11

Sail Manufacturer Logo	A sail manufacturer logo may be fitted inside 80mm radius from the tack point of each sail	H12
Telltales	Any number of telltales may be used on the jib and mainsail provided they do not fall outside the sail shape when streaming.	H13
Wing Indicator	A wind indicator or burgee may be attached to the top of the mast or backstay crane	H13