



# INTRODUCTION

2014 looks set to build on the success of 2013 - a very positive year for Tiderace. During this time, we have seen our new models firmly establish themselves as 'class leading' designs.

The Xtra and Xtra HV's paddling performance on the water and sales performance in the shops has confirmed this as the leading play/day boat design - a perfect mix of high performance surfing ability along with easy handing and surprising touring speed.

The Vortex, Tiderace's first polyethylene design and featuring the same performance and handling characteristics as the Xtra, was introduced to the market and has been very well received - it's vibrant colours certainly draws attention.

The Xplore family has continued it's dominance in the expedition market with the Xplore-M becoming a firm favourite.

The Pace family has enjoyed dramatic sales figures during the relatively short time the kayaks have been in production. The efficiency of these rudder specific boats and their ease of handing, especially in windy conditions, has converted many paddlers who have traditionally favoured a skegged boat.

The Pace 18 has proven it's highly competitive speed in the sea-kayak race class, while the Pace Tour has become the new 'must have' expedition boat.

The Pace Tour maximises the three classic features of a successful expedition sea kayak: comfort, seaworthiness and stability, and has added a fourth ingredient, speed, in such quantity that it has surprised many new buyers. You can now have the traditional reliable features of an expedition kayak with near race speed efficiency.

The Pace Evoke brings world class rough water handing and light touring in a compact ruddered format to sit nicely at the performance end of the recreation market.

As ever, Tiderace will commit substantial research and design resources to developing new designs, manufacturing techniques and employ new materials and processes. We will also spend many hours on the water testing our boats to the limit of our skills – and rest assured, we'll have a great time doing this!





#### PHOTO CREDITS:

Cover: Nick Jensen of Floline Media Introduction and Contents: Michal Madera

p4: Michal Madera

p5: Nick Jensen of Floline Media

p6: Roddy McDowell of Kayak Bute

p8: Roddy McDowell of Kayak Bute

p10: Roddy McDowell of Kayak Bute

p14: Nick Jensen of Floline Media

p16: Michal Madera

p17: Michal Madera

p18: Mark Sundin of Expedition Kayaks

# WORKBOOK 2014

- 4 5 TCT Construction
- 6 7 Choosing Kayak

#### TOUR SERIES

- 8 9 Xplore
- 10 11 Xcape

#### PLAY SERIES

- 12 13 Xcite
- 14 15 Xtra
- 16 17 Vortex

#### SPEED SERIES

- 18 19 Pace 18
- 20 21 Pace Tour
- 22 23 Pace Evoke



## TCT CONSTRUCTION

Our composite kayaks feature Tiderace Core Technology – a multi-layer laminate with an additional resin supported core that's designed to take abuse in rock gardens, big surf and expedition use. Performance laminates that give significantly stronger, stiffer and lighter kayaks, far exceeding the typical industry standard.

- Gel Coat
- 2 Glass cloth s-lite
- Glass cloth lite
- 4 Glass cloth medium
- Glass cloth heavy
- 6 Glass cloth s-heavy
- Glass biaxial lite
- 8 Glass biaxial medium



All constructions use a specially formulated epoxy resin which is stronger and tougher than polyester or vinylester resin.



A unique polyester gelcoat with exceptional adhesion to epoxy substrates for easy field repair.



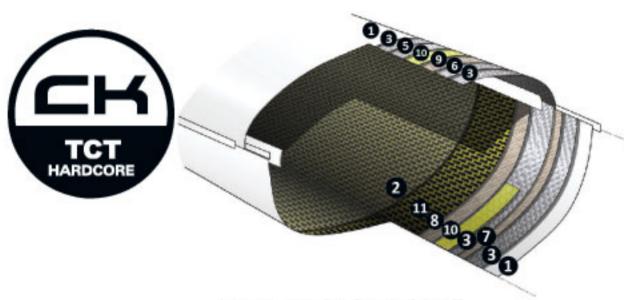
All constructions are post, heat-cured.





Wet Laminate deck, Vacuum hull

core material. Biaxial cloths have straight fibres running in two diagonal directions - these dense straight fibres increase the fibre to resin ratio and add stiffness to the laminate. Extra localised reinforcing is employed in high stress areas.

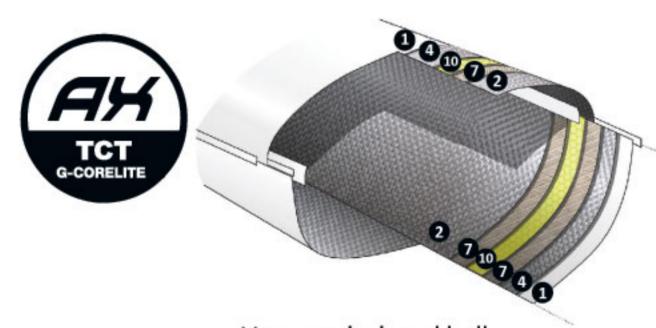


Vacuum deck and hull

#### HARDORE

The toughest and most durable of the Tiderace constructions. Multiple layers are employed giving a puncture resistant glass skin outside the core. Employing only glass on the outside of the laminate makes for easy repairs. Inside, a high tensile layer of carbon / kevlar resists deformation and absorbs heavy impacts as with all constructions, this is covered with a fine glass cloth to resist foot abrasion inside the cockpit.

Hardore Xtreme - Xtra playboat series - A higher density core and chine edge reinforcement in the cockpit area offer awesome strength/stiffness for big surf conditions.



Vacuum deck and hull

#### G-CORE LITE

Proven in the Pace series, the G-Core Lite employs a full light-weight core throughout both hull and deck. Fewer glass layers can be used which reduces weight while stiffness is maintained by the resin supported core. This laminate is the least robust of the Tiderace range, but the lighter weight provides easier handling and the stiffness is ideal for racing, fitness training or light fast touring.



At Tiderace, we aim to develop and expand the understanding of sea kayak design and manufacture and encourage paddlers to join us in that development process.

The Tiderace Owners Group is there for you to join and to share your thoughts about Tiderace kayaks.

We love to read your comments on our Facebook Page and for you to follow us on Twitter.

When we create new kayak models we aim to give you the best choice of design, fit and performance.

This, we believe, will ultimately lead to greater enjoyment and achievement from your time spent kayaking.

More choice, however, requires a more involved decision making process and we recognise that people often want more help with their choice of kayak. We pride ourselves in trying to provide all the information we can about the performance of our kayaks.

#### Primary design focus and cross platform:

Each kayak model has a primary design focus and this is a good way to understand the strongest characteristics of each kayak: touring, play or speed.

A Tiderace sea kayak will perform exceptionally well in its primary category.

Most of our kayaks are also outstanding multi-disciplined platforms which perform well in all three categories.

All our kayaks are computer designed which enables us to accurately scale a model to suit different paddler sizes and weight and they all have an exceptional ergonomic cockpit design.

The right sea kayak for you depends on a number of factors:

- The kayak's primary design focus
- Your intended main activity for the sea kayak
- 3. Your physical size and shape
- The load carried
- Your personal preferences

Of course nothings substitutes a test paddle. Tiderace can only build the kayaks and provide the information.

We always encourage you to test paddle a range of Tiderace and other sea kayaks for comparison, and whichever Tiderace model you choose will be the right one for you.

Details of demos and Tiderace dealers are on the Tiderace website.

www.tideraceseakayaks.co.uk



# TIDERACE 3

#### CHARACTISTICS:

Load carrying Directional stability Effortless paddling

#### GREAT FOR:

Multi-day trips Varied sea-scapes Core activity: Touring



#### CHARACTISTICS:

High manoeuvrability Stability on edge

#### GREATFOR:

Rock-hopping Surfing Day trips Core activity: Playing

Pace 17 Tour Pace Evoke

#### CHARACTISTICS:

Rudder Longer length waterline

#### GREAT FOR:

Fast touring Sea kayak racing





Model	Total volume	Touring	Play	Speed	Optimum paddler weight range		
	Litres				kgs	lbs	
Xcape S	332	***	**	***	60 - 85	132 - 187	
Xcape	360	***	**	***	75 - 95	165 - 210	
Xcape X	406	***	**	**	85 - 105	187 - 230	
Xplore S	330	***	**	***	60 - 85	132 - 187	
Xplore M	354	***	**	***	75 - 95	165 - 210	
Xcape L	380	***	**	***	80 - 100	176 - 220	
Xcape X	430	***	**	***	85 - 110	198 - 243	
Xcite S	310	**	***	**	55 - 80	120 - 176	
Xcite	366	***	***	**	75 - 95	165 - 210	
Xtra	337	**	****	**	65 - 90	143 - 198	
Xtra HV	369	**	****	**	80 - 100	176 - 220	
Vortex	340	**	****	**	70 - 100	154 - 220	
Pace 18	373	***	**	****	70 - 95	154 - 210	
Pace Tour	405	****	**	***	80 - 110	176 - 243	
Pace Evoke	370	***	****	***	75 - 95	165 - 210	



### A high performance expedition sea kayak for the adventurous paddler

The Xplore range of sea kayaks is designed to serve two purposes: to be efficient, capable, seaworthy expedition kayaks, while also being dynamic to paddle on day trips. Computer designed, the Xplore series . hulls are honed to provide especially efficient cruising at above 4 knots. Hatch volume is large, especially in the larger model sizes – these boats have a proven expedition pedigree and used on record-breaking

achievements. Cockpit foredecks are relatively high giving a dynamic and commanding paddling position. When paddled with a light load on day trips, the Xplore rewards the enthusiastic paddler who enjoys edge-turns and easy wave catching.

#### XPLORE,S suitable paddler weight 60 - 85 kg

#### XPLORE-M suitable paddler weight 75 - 95 kg

# suitable paddler weight 80 - 100 kg

# suitable paddler weight 85 - 110 kg



















Retractabe Skeg

Comfort cockpit

Adjustable Backrest

Reflective Deck

Silva 70P Compass

Footbrace

Curved

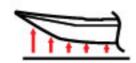
Split Paddle



## XPLORE SERIES

	Dimensions				Volume	es/Hatches	s				
Model	length	width	depth	cockpit	Front	Foredeck	Day	Rear	Cockpit	Total	Hatch Sizes
XPLORE-S Paddler 80kg, kayak 24kg Suitable paddler weight	530 cm overall 460 cm waterline 60 - 85 kg	51 cm overall 50.6 cm waterline	30 cm	87 x 49cm	80 ltr	6 ltr C	38 ltr <b>D</b>	70 ltr <b>B</b>	136 ltr	330 ltr	24cm Round
XPLORE-M Paddler 85kg, kayak 25kg Suitable paddler weight	530 cm overall 460 cm waterline 75 - 95 kg	54 cm overall 53 cm waterline	31.5 cm	87 x 49cm	85 ltr <b>B</b>	6 ltr C	44 ltr D	73 ltr <b>B</b>	146 ltr	354 ltr	44 x 26cm Ova
XPLORE-L Paddler 90kg, kayak 26kg Suitable paddler weight	550 cm overall 470 cm waterline 80 - 100 kg	54 cm overall 53 cm waterline	33.5 cm	87 x 49cm	92 ltr B	6 ltr C	48 ltr <b>D</b>	76 ltr <b>B</b>	158 ltr	380 ltr	15cm Foredec
XPLORE-X Paddler 95kg, kayak 29kg Suitable paddler weight	550 cm overall 470 cm waterline 85 - 110 kg	61 cm overall 58.6 cm waterline	35 cm	89 x 52cm	105 ltr B	6 ltr C	50 ltr	90 ltr B	179 ltr	430 ltr	20cm Day











Design Features	Hull Shape	Rocker	Kg of cargo	Stability	Speed
	shallow 1 - deep 3	1 (low) - 5 (high)	to submerge 1 inch	1 (low) - 5 (high)	1 (high) - 5 (low)
XPLORE-S	V2	2	36.3 kg	1.5	3.5
XPLORE-M	V2	2	38.7 kg	2.5	3.5
XPLORE-L	V2	2	38.9 kg	2.5	4
XPLORE-X	V2	2	43.0 kg	5	5















XPLORE-M











Average weights 25.50 kg 23.50 kg 22.0 kg

26.75 kg 25.0 kg

27.0 kg

27.50 kg 28.50 kg







# An efficient expedition sea kayak for the discerning paddler

Experience calm before, during and after the storm when paddling the Xcape. The Xcape series are designed as solid, dependable, highly stable yet very efficient touring kayaks. These straighter running boats are an excellent platform to ease away the miles, to hammer through chop and carry a substantial load. The Xcape is the quiet and unassuming performer who grows to be your best friend. The lower, smoother deck creates a sleek profile; Designed to take the hard work out of expeditioning, the Xcape glides through the most challenging waters whilst eating away the miles.



#### **Xcape Series Standard Fittings:**

















Retractabe Skeg

Comfort cockpit

Adjustable Backrest

Reflective Deck

Silva 70P Compass

Footbrace (

Curved

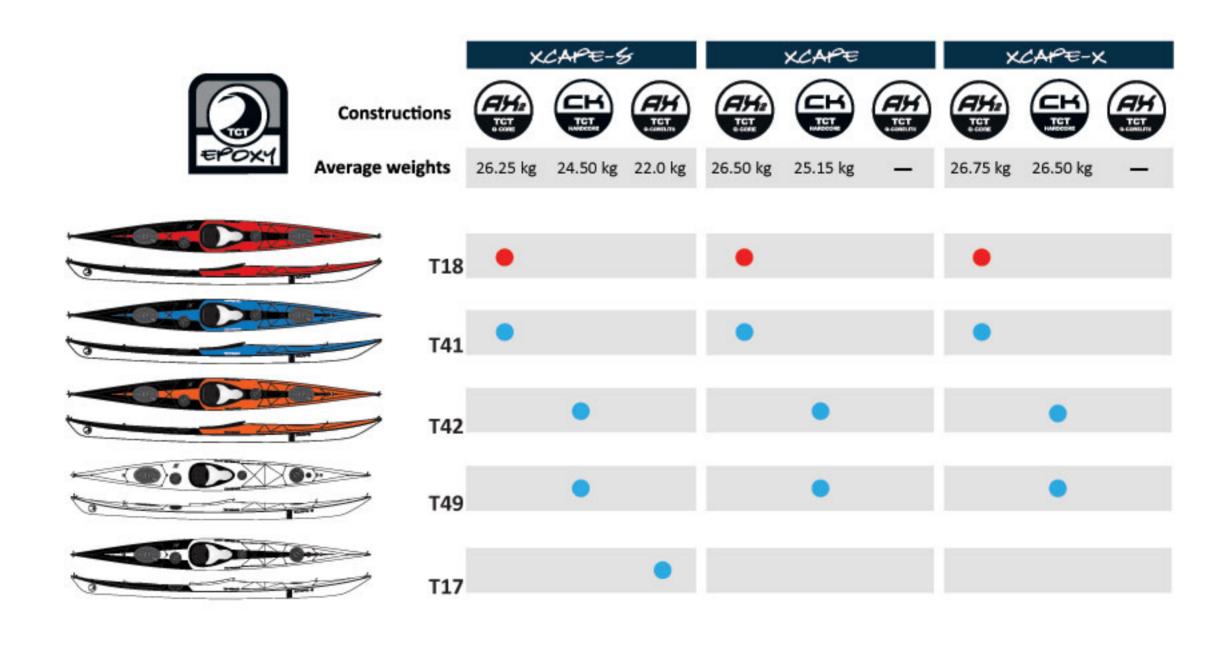
Split Paddle





	Dimensions					Volumes/Hatches					
Model	length	width	depth	cockpit	Front	Foredeck	Day	Rear	Cockpit	Total	Hatch Sizes
XCAPE-S Paddler 75kg, kayak 25kg Suitable paddler weight	513 cm overall 445 cm waterline 60 - 85 kg	54 cm overall 53.2 cm waterline	28.5 cm	87 x 49cm	80 ltr	6 ltr C	39 ltr	70 ltr <b>B</b>	137 ltr	332 ltr	24cm Round
Paddler 85kg, kayak 25kg Suitable paddler weight	540 cm overall 466 cm waterline 75 - 95 kg	55 cm overall 53.4 cm waterline	31 cm	87 x 49cm	87 ltr B	6 ltr C	45 ltr <b>D</b>	72 ltr <b>B</b>	150 ltr	360 ltr	44 x 26cm Ova
XCAPE-X Paddler 95kg, kayak 28kg Suitable paddler weight	535 cm overall 468 cm waterline 85 - 105 kg	57.5 cm overall 56.4 cm waterline	35.5 cm	89 x 52cm	99 ltr <b>B</b>	6 ltr C	47 ltr D	85 ltr <b>B</b>	169 ltr	406 ltr	15cm Foredec

		10		$\triangle$	1
Design Features	Hull Shape	Rocker	Kg of cargo	Stability	Speed
	shallow 1 - deep 3	1 (low) - 5 (high)	to submerge 1 inch	1 (low) - 5 (high)	1 (high) - 5 (low)
XCAPE-&	V3	1.5	36.7 kg	3	4
XCAPE	V3	1.5	38.6 kg	3	4
V/APE-V	V3	1.5	40.9 kg	4.5	5





## The world's finest rough water, touring sea kayak.

The Xcite is Tiderace's original playboat for the sea. It surfs, it carves, it edges. It's the enthusiast's boat of choice. Easily capable of light touring, the Xcite's ease of turning and stability also makes it the adventurer's favourite 'go-anywhere' and 'take-on-anything' sea kayak. The Xcite has ample speed to get you to the remotest locations and a seaworthy design which lets you enjoy the rough-stuff along the way. The cockpit ergonomics transfer a wealth of feedback back to the paddler making the Xcite a true paddler's boat. The compact size of the Xcite S makes it an excellent rolling kayak – in the right hands, this boat is capable of performing all the competition Greenland rolls!

















Curved



Retractabe Skeg

Comfort cockpit

Adjustable Backrest

Reflective Deck

Silva 70P Compass

Footbrace

Split Paddle





	Dimensions					Volumes/Hatches					T-1
Model	length	width	depth	cockpit	Front	Foredeck	Day	Rear	Cockpit	Total	Hatch Sizes
XCITE-S Paddler 70kg, kayak 23kg Suitable paddler weight	500 cm overall 432 cm waterline 55 - 80 kg	50 cm overall 50.4 cm waterline	29 cm	85 x 47cm	73 ltr	6 ltr <b>C</b>	n/a -	99 ltr <b>B</b>	132 ltr	310 ltr	24cm Round
<b>X∠IT€</b> Paddler 85kg, kayak 25kg Suitable paddler weight	532 cm overall 456 cm waterline 75 - 95 kg	54 cm overall 53 cm waterline	31 cm	87 x 49cm	90 Itr	6 ltr C	42 ltr D	76 ltr	152 ltr	366 ltr	15cm Foredeck

				$\triangle$	
Design Features	Hull Shape	Rocker	Kg of cargo	Stability	Speed
	shallow 1 - deep 3	1 (low) - 5 (high)	to submerge 1 inch	1 (low) - 5 (high)	1 (high) - 5 (low)
XCITE-8	V1	3	34.6 kg	2	4.5
XCITE	V1	3	37.4 kg	2.5	4.5

			XCME-S			XCITE	
<b>EPOXY</b>	Constructions	AH2 TCT George	TET	AH TGT SERRATI	FIFE TCT GOORE	TET	AH TGT soonur
	Average weights	23.5 kg	22.5 kg	21.0 kg	25.50 kg	24.0 kg	-
	T18	•			•		
0	T41	•			•		
	T42		•			•	
	T17			•			
	T49					•	
	T43					•	





# The next step in the "Play the Sea" revolution.

Tiderace has created another extraordinary kayak. Designed for surf and rock hopping, the Xtra makes all the traditional play manoeuvres easy and new ones possible! Incorporating a planing hull and loads of rocker, this highly controllable boat plays the sea with abandon.

Quick acceleration for bursting through the eddyline or initiating a surf, excellent stability for carving bottom turns, and loose ends for quick cut-backs are some of the results of this forward thinking design. Like all Tiderace sea kayaks, the Xtra is designed to keep pace with the group on a day trip. Load up your camping kit and paddle to your favourite remote play spot, the Xtra handles the sea in all conditions!

# THERMORE

#### **Xtra Series Standard Fittings:**



Retractabe Skeg

Comfort cockpit



Adjustable Backrest



Reflective Deck Silva 70P



Compass

Footbrace



Curved



Split Paddle





XTRA SERIES

	Dimensions				Volume	es/Hatches					
Model	length	width	depth	cockpit	Front	Foredeck	Day	Rear	Cockpit	Total	Hatch Sizes
Paddler 80kg, kayak 25kg Suitable paddler weight	505 cm overall 435 cm waterline 65 - 90 kg	56.0 cm overall 55.0 cm waterline	30.5 cm	87 x 49cm	70 ltr	6 ltr C	43 ltr D	69 ltr	152 ltr	337 ltr	24cm Round
XTRA HV Paddler 90kg, kayak 25kg Suitable paddler weight	505 cm overall 435 cm waterline 80 - 100 kg	56.5 cm overall 55.4 cm waterline	32.5 cm	87 x 49cm	75 ltr	6 ltr C	48 ltr	75 ltr <b>A</b>	165 ltr	369 ltr	44 x 26cm Oval

"Flat"			-1121	
Hull Shape	Rocker	Kg of cargo	Stability	

Design Features	Hull Shape	Rocker	Kg of cargo	Stability	Speed	
	F1 flat - F2 almost flat	1 (low) - 5 (high)	to submerge 1 inch	1 (low) - 5 (high)	1 (high) - 5 (low)	
XTRA	F2	4	37.3 kg	3	5	
XTRA HV	F2	4	37.7 kg	3	5	

Construc	tions	TCT econe	TET	AH 1G1 seemen	TGT econs	CH TGT	AH TGT sensors
€POXY Average we	ights	24.5 kg	24.0 kg	-	26.0 kg	24.5 kg	_
	T18	•			•		
	T41	•			•		
	T49		•			•	
	T43		•			•	

20cm Day

XTRA HV





## VORTEX

Dimensions

Model	length	width	depth	cockpit	Front	Foredeck	Day	Rear	Cockpit	Total	Hatch Sizes
VORTEX Paddler 80kg, kayak 25kg Suitable paddler weight	505 cm overall 435 cm waterline 70 - 100 kg	56.5 cm overall 55.4 cm waterline	31.5 cm	87 x 49cm	70 ltr	6 ltr C	43 ltr <b>D</b>	69 ltr	152 ltr	340 ltr	0
	"Flat"	1111	<u>}</u>		<b>A</b>	-		•	~	39	
Design Features	Hull Shape F1 flat - F2 almost fla	Rocker at 1 (low) - 5 (hig	h)	Kg of ca			Stability ow) - 5 (hi		:	<b>Spee</b> 1 (high) - 5	
VORTEX	F2	4		37.3 k			3			5	
9	H-fuence			•		of the					
Average weights 27.5	kg	•			•						

Volumes/Hatches

The Pace Series is aimed at the progressive paddler who's looking to upgrade to the next level.

# PACE 18

# The new standard in fast and light sea kayaking.

Pure science! A fast sea kayak (FSK) is defined by the ratio of its surface waterline length to surface waterline width when it sits 4 inches deep in the water. This 18 foot long kayak takes this measurement ratio as close to the limit as tolerances allow. Minimal mid-section rocker, rounded cross-sections throughout and computer designed to give the lowest possible resistance values at racing speed. The Pace18 is configured with the signature Tiderace cockpit design which allows full boat control in rough or moving water along with an ability to be eskimo rolled. This swede form hull possesses a high sprint speed yet is surprisingly stable for such a pure-bred racing sea kayak and can be an effective lightweight touring kayak for the "Alpinist" style paddler who wants to cover distances quickly.

#### Pace Series Standard Fittings:





Comfort cockpit



Adjustable Backrest



Reflective Deck







Split Paddle







# **≫ PACE 18**

Volumes/Hatches **Dimensions** Model length Front Foredeck Day width depth cockpit

PACE 18

Paddler 80kg, kayak 22.5kg Suitable paddler weight

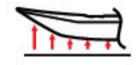
548.6 cm overall 53.5 cm overall 31.5 cm 87 x 49cm 548 cm waterline 48.4 cm waterline 70 - 95 kg

120 ltr 137 ltr 373 ltr 110 ltr 6 ltr n/a C



**Hatch Sizes** 











Cockpit Total

Design Features	Hull Shape	Rocker	Kg of cargo	Stability	Speed	
	shallow 1 - deep 3	1 (low) - 5 (high)	to submerge 1 inch	1 (low) - 5 (high)	1 (high) - 5 (low)	
PACE 18	Round	1	43.6 kg	1.5	1.5	



Constructions





Average	weights
---------	---------

22.50 kg



T33



T45

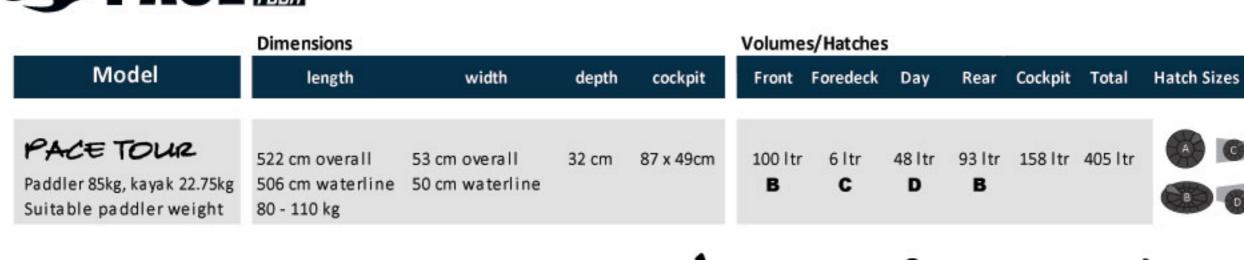
COLOURWAYS Standard

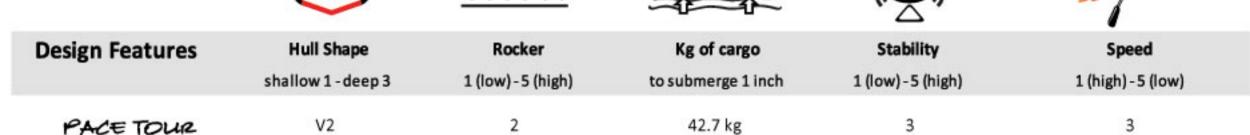


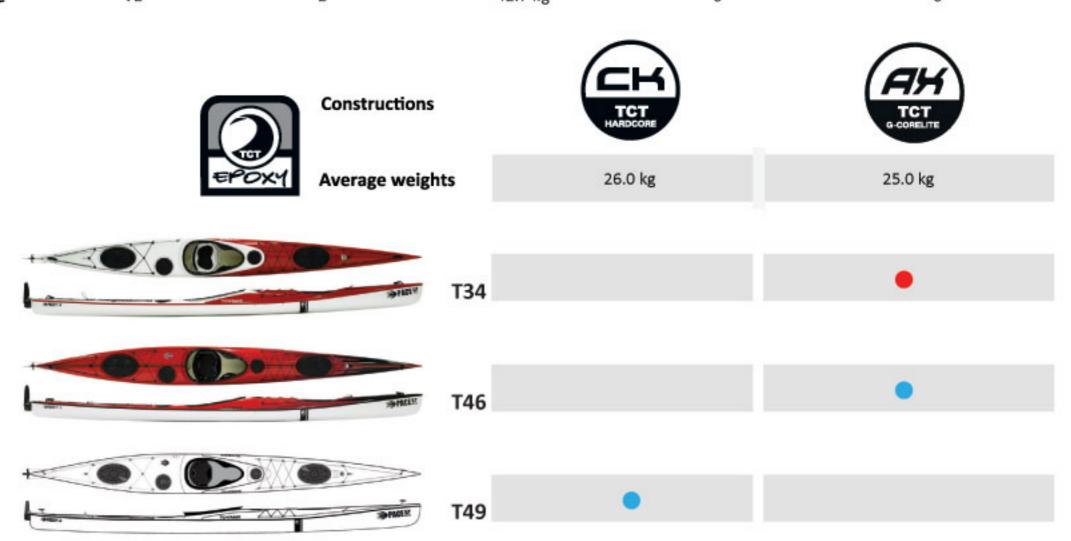
Forward Order only















Volumes/Hatches **Dimensions** Model Front Foredeck Day Rear Cockpit Total length **Hatch Sizes** width depth cockpit PACE EVOKE 480 cm overall 30.5 cm 87 x 49cm 91 Itr 43 ltr 78 ltr 152 ltr 370 ltr 54 cm overall 6 ltr Paddler 80kg, kayak 21.5kg C D 456 cm waterline 52.5 cm waterline В A Suitable paddler weight 75 - 95 kg







32.2 kg



2.5



4.5

**Design Features Hull Shape** Kg of cargo Stability Rocker Speed shallow 1 - deep 3 1 (low) - 5 (high) 1 (low) - 5 (high) 1 (high) - 5 (low) to submerge 1 inch

PACE EVOKE

V1

Constructions

Average weights

3



23.50 kg



22.50 kg







COLOURWAYS Standard Forward Order only

