

Complex Powerchair Solutions

		REAR-WHEEL DRIVE		MID-WHEEL DRIVE				FRONT-WHEEL DRIVE			4x4	
		KARMA KP25.2	QUANTUM R-TRAK	PRIDE J623 2.0	QUANTUM EDGE 3 STRETTO	QUANTUM EDGE 3	QUANTUM Q6 EDGE HD	QUANTUM 4FRONT 2	QUANTUM 4FRONT 2 HD	QUANTUM Q1450	QUANTUM OUTBACK	
DRIVE	Contracts	Accessible Contract Enable Contract	Enable Contract	Accessible Contract Enable Contract	Enable Contract	Accessible Contract Enable Contract	Enable Contract	Enable Contract	None	None	None	
	Drive Wheels	12" Pneumatic	14" Solid Foam Filled / 14" Pneumatic / 14" Knobby	14" Solid Foam Filled / 14" Pneumatic	14" or 12.5" Pneumatic or Solid Foam Filled	14" Solid Foam Filled / 14" Pneumatic	14" Solid Foam Filled / 14" Pneumatic	14" Solid Foam Filled / 14" Pneumatic / 14" Knobby	14" Flat Free	14" Solid Foam Filled	14.5" Knobby	
	Castor Wheels ⁸	8" Solid	Front 9" Flat Free	Front 6" Solid Rear 6" Solid	Front 5" Flat free Rear 6" Flat free	Front 6" Solid Rear 6" Solid	Front 6" Solid Rear 6" Solid	Rear 9" Flat Free	Rear 9" Flat Free	9" Solid	Front Drive Wheels 14.5" Knobby	
	Anti-Tip Wheels	N/A	4" Solid (rear)	N/A	N/A	N/A	N/A	4" Solid (front)	4" Solid (front)	4" Solid	N/A	
	Maximum Speed ¹	Up to 6.0km/h	Up to 10km/h	Up to 9.6km/h	Up to 10.0km/h	Up to 10.0km/h	Up to 7.5km/h	Up to 10.0km/h	Up to 8km/h	Up to 7.2km/h	Up to 10.0km/h	
	Ground Clearance	2.3"	3.97" (battery tray)	2.7" (battery tray)	2.9" (battery tray)	2.7" (battery tray)	3.0" (frame centre)	3.15" (motor pivot)	2.6" (motor pivot)	1.5" (anti-tip wheels)	10.7 cm (at motors)	
	Turning Radius ²	25.6 - 39.4"	25.7"	20.5"	21.0"	20.5"	19.75"	25.9"	24.5"	26.5"	49"	
	Max Rated Slope	12° / 21.2%	7.5° / 13.2%	7.5° / 13.2%	7.5° / 13.2%	7.5° / 13.2%	7.5° / 13.2%	7.5° / 13.2%	7.5° / 13.2%	6° / 10.5%	8° / 14.1%	
SEATING & POSITIONING	Seating System	Slung upholstery	TRU-Balance 3	TRU-Balance 3	TRU-Balance 3 or 4 (TB4 only available on 16"x14" seat size and up)	TRU-Balance 3 or 4 (TB4 only available on 16"x14" seat size and up)	TRU-Balance 3	TRU-Balance 3 or 4 (TB4 only available on 16"x14" seat size and up)	TRU-Balance 3 HD	TRU-Balance 2 HD	TRU-Balance 3	
	Seating Sizes	Non-Tilt	W: 14-20" D: 16-20"	W: 12-22" D: 12-22"	W: 12-22" D: 12-22"	W: 12-22" D: 12-22"	W: 10-22" D: 10-22"	W: 20-32" D: 20-28"	W: 12-22" D: 12-22"	W: 20-24" D: 20"-24"	W: 20-32" D: 20-28"	W: 16-24" D: 16-24"
		Power Tilt	N/A	W: 12-22" D: 12-22"	W: 12-22" D: 12-22"	W: 12-20" D: 12-20"	W: 12-22" D: 12-22"	W: 20-32" D: 20-25"	W: 12-22" D: 12-22"	W: 20-24" D: 20-22"	W: 20-32" D: 20-28"	W: 16-24" D: 16-24"
		Power Lift & Tilt	N/A	W: 12-22" D: 12-22"	W: 12-22" D: 12-22"	W: 12-20" D: 12-20"	W: 12-22" D: 12-22"	W: 20-24" D: 20-25"	W: 12-22" D: 12-22"	W: 20-24" D: 20-22"	N/A	W: 16-24" D: 16-24"
	Seat to Floor Heights	Non-Tilt	19.0"	16" - 18"	16.5" - 18.5"	16.0" - 18.0"	16.5" - 18.5"	16.5" - 18.5"	15.2" - 17.25"	16.5" - 20.5"	16.5" - 18.5"	17" - 18"
		Power Tilt ⁵	N/A	18.5" - 19.5"	17.5" - 19.5"	17.5" - 19.5"	17.5" - 19.5"	18.5" - 20.5"	17.5" - 19.5"	17.5" - 19.5"	19.5" - 20.5"	19" - 20"
Power Lift & Tilt ⁵		N/A	17.25" - 18.25"	17.5" - 19.5"	17.5" - 19.5"	17.5" - 19.5"	18.5" - 20.5"	17.75" - 19.75"	18.75" - 20.5"	N/A	20" - 21"	
Maximum Elevation	N/A	10.0"	12.0"	12.0"	12.0"	10.0"	10.0"	10.0"	N/A	10.0"		
ELECTRONICS & BATTERY	Lights	N/A	Standard	Optional	Standard	Standard	Optional	Standard	Standard	Optional	Standard	
	Battery Size/Type	20Ah for 14" W 40Ah for 16-20" W	Group 24 (70Ah)	NF-22 (50Ah)	NF-22 (50Ah)	NF-22 (50Ah)	Group 24 (70Ah)	Group 24 (70Ah)	Group 24 (73Ah)	Group 24 (70Ah)	Group 27 (95Ah)	
	Electronics	VR2 Controller	Q-Logic 3	VR2 Controller	Q-Logic 3	Q-Logic 3	Q-Logic 3	Q-Logic 3	Q-Logic 3	Q-Logic 3	Q-Logic 3	
	Battery Charger	6A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	8A Off-Board	
	Motor Packages	2-Pole	4-Pole, Rear-wheel	2-Pole Mid-wheel	2-Pole Mid-wheel	2-Pole Mid-wheel	4-Pole High-torque	4-Pole Front-wheel	4-Pole Front-wheel	4-Pole High-torque	4-Pole High-torque, sealed x 4	
DIMENSIONS & WEIGHTS	Battery Weight ⁷	2x 17.5 kg	2x 23.5 kg	2x 17.2 kg	2x 18.1 kg	2x 17.2 kg	2x 23.5 kg	2x 23.5 kg	2x 23.5 kg	2x 23.5 kg	2x 26.6 kg	
	Base Weight	35.0 kg	58.0 kg	63.0 kg	57.0 kg	63.0 kg	65.0 kg	58.9 kg	63.5 kg	89.0 kg	76.5 kg	
	Weight Capacity ⁴	135.0 kg	136.0 kg	136.0 kg	136.0 kg	136.0 kg	204.0 kg	136.0 kg	204.0 kg	272.0 kg	136.0 kg with TB3 or 159 kg with Q-Captain Seating	
	Overall Length ⁶	43.0"	34.8"	35.5"	32.5"	32.23"	35.6"	39.9"	39.9"	38.25"	42"	
	Overall Width	Seat width +7"	24.2"	24.2"	21.8" (14" wheels) 20.47" (12.5" wheels)	24.4"	26.25"	24"	24"	29.25"	28.82"	

Powerchair Weight Matrix

The below table lists the approximate weight of each powerchair component for powerchairs distributed within New Zealand. This can be used to calculate an approximate weight of a powerchair, however, is only a guide and weights can vary. Please also note, cushions, backs, armrests and other accessories will increase the overall weight of a powerchair. Battery weight may also vary based on the manufacturer. Refer to the powerchair specs sheet for additional information.

		REAR-WHEEL DRIVE		MID-WHEEL DRIVE			FRONT-WHEEL DRIVE			
		KARMA KP25.2	QUANTUM R-TRAK	PRIDE J623 2.0	QUANTUM EDGE 3 STRETTO	QUANTUM EDGE 3	QUANTUM Q6 EDGE HD	QUANTUM 4FRONT 2	QUANTUM 4FRONT 2 HD	QUANTUM Q1450
Batteries (total weight of two batteries)		26.0 kg	46.5 kg	34.5 kg	34.5 kg	34.5 kg	46.5 kg	46.5 kg	46.5 kg	46.5 kg
Base (base + motors + controller)		35.0 kg	58.0 kg	62.2 kg	57.4 kg	62.8 kg	65.0 kg	59.0 kg	63.5 kg	88.5 kg
Seating (width & depth adj + side rails + seat pan + back canes/mounts)	12" - 16"		12.0 kg	12.0 kg	12.0 kg	12.0 kg		12.0 kg	12.0 kg	
	16" - 20"		13.5 kg	13.5 kg	13.5 kg	13.5 kg	13.5 kg	13.5 kg	13.5 kg	
	20" - 24"		17.5 kg	17.5 kg		17.5 kg	17.5 kg	17.5 kg	17.5 kg	17.5 kg
	24" - 28"		21.5 kg	21.5 kg		21.5 kg	21.5 kg	21.5 kg	21.5 kg	21.5 kg
TB3 Tilt Only			18.3 kg	18.3 kg	18.3 kg	18.3 kg	18.3 kg	18.3 kg	18.3 kg	18.3 kg
TB3 Tilt & Elevate with 10" Lift			39.8 kg				40.0 kg	38.5 kg	38.5 kg	
TB3 Tilt & Elevate with 12" Lift (iLevel)				40.0 kg	38.9 kg	41.5 kg				
TB3 Recline			13.5 kg		13.5 kg	13.5 kg	13.5 kg	13.5 kg	13.5 kg	13.5 kg
TB3 Manual Centre Mount (inc footplates + calf pads)			9.3 kg	9.3 kg	9.3 kg	9.3 kg	9.3 kg	9.3 kg	9.3 kg	9.3 kg
TB3 Powered Centre Mount (inc footplates + calf pads)			13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg
TB3 Powered 70° Swing Away (inc footplates + calf pads)			13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg	13.3 kg
TB4 Seating System (includes all functions + foot platform)					96kg	96kg		96kg		

Powered Functions Matrix

Powered Function	Weight Capacity (Use PWC capacity if lower)	Max Seat Size	Notes
TB3 Tilt	136 kg	22"W x 22"D	
TB3 Tilt HD	204 kg	32"W x 24"D	For use with HD Base only
TB2 Tilt HD	272 kg	32"W x 28"D	HD bases up to 204kg. Quantum 1450 up to 272kg.
TB3 Tilt & Elevate with 12" Lift (iLevel)	136 kg	22"W x 22"D	
TB3 Tilt & Elevate HD with 10" Lift	180 kg	24"W x 24"D	For use with HD Base only
TB3 Recline	204 kg	32"W x 28"D	
TB3 Manual Centre Mount	204 kg	N/A	
TB3 Powered Centre Mount	204 kg	N/A	
TB3 Powered 70° Swing Away Legrests	136 kg	N/A	
TB4 Seating System	136 kg	22"W x 22"D	For use with Edge 3, Stretto and 4Front 2 only (exc 4Front HD). Weight includes all functions and articulating foot platform.

Note: Measurements are rounded up to one decimal place.

- Speed varies with user weight, terrain type, battery charge, battery condition and tyre pressure
- Without legrests
- Battery capacity may change when adding power positioning systems
- Weight capacity is dictated by the selection of seating
- All measurements +/- 1/8"

- Without front riggings
- Battery weight may vary +/- 1.3kg based on manufacturer. Powerchairs require two batteries.
- Flat free may be substituted for solid wheels
- 20" depth can only be achieved with extension rails and are not standard. Modifications may be needed for stump supports or elevating legrests to accommodate the extensions.

