

The HiGen Series

Specifications

	<i>HiGen 21 C</i>	<i>HiGen XL</i>	<i>HiGen 18</i>	<i>HiGen F</i>	<i>HiGen T</i>
Maximum speed	21,000 rpm	21,000 rpm	18,000 rpm	14,000 rpm	13,000 rpm
Maximum g-Force	56,347 xg	56,347 xg	36,223 xg	21,913 xg	18,894 xg
Maximum capacity	4 liters	6 liters	1.5 liters	1.5 liters	1.5 liters
Drive System	Direct self-centering drive system with brushless induction motor				
Speed Accuracy	From ± 5 rpm at 1,000 rpm up to 30 rpm at maximum speed				
APRI™ System	Automatic positive rotor identification of Herolab rotors				
Acceleration Time	30 Seconds to 2.5 minutes depending on rotor				
Deceleration Time	40 seconds to 3.5 minutes depending on rotor				
Braking System	Dynamic electric brake system				
Accel./Decel. Rates	In 8 steps from 30 sec. to 240 sec. in the 0-1,000 rpm range				
Programmability	30 programs				
Temperature Set Range	-20°C to +40°C			n.a.	n.a.
Temp. Control Accuracy	$\pm 1^\circ\text{C}$ after stabilization if ambient is 15°C to 25°C			n.a.	n.a.
Sample Freeze Protect.	Adjustable from ± 4 to 10°C to preset			n.a.	n.a.
Temp. Control System	Bypass system for cooling and heating			n.a.	n.a.
Refrigeration System	Non-CFC refrigerant			n.a.	n.a.
Information display	Color-TFT monitor with large display of all preset and actual values				
User Interface	One rotary knob for all parameters				
Preset Time	From 0 to 300 minutes in steps of 1 min and "hold" for longer runs				
Preset Speed	speed 500 rpm to maximum speed in steps of 100 rpm				
Preset g-Force	g-force in steps of 10 x g				
Preset Temperature	From -20°C to +40°C in steps of 1°C			n.a.	n.a.
Safety features	Overspeed detection				
	Imbalance detection				
	Four point lid fixing				
	Automatic electrical motor driven lid lock device				
	Automatic rotor recognition				
	Intelligent designed energy absorbing guard ring				
	Stainless steel chamber				
	Overtemperature protection			n.a.	n.a.
Average Heat Output	2.5 kW (8,525 Btu/Hr)		1.8 kW	1.5 kW	1.3 kW
Water-cooling available	Yes	Yes	n.a.	n.a.	n.a.
Height to Working Surface	88.0 cm (34.6 inch)	88.0 cm (34.6 inch)	68.5 cm (30 inch)	68.5 cm (30 inch)	42.0 cm (16.5 inch)
Dimensions H x W x D	115 x 69.5 x 79.5 cm 45.3" x 27.4" x 31.3"	115 x 85 x 95 cm 45.3" x 33.5" x 37.4"	68.5 x 56 x 70 cm 45.3" x 22" x 27.5"	68.5 x 56 x 70 cm 45.3" x 22" x 27.5"	42 x 52.5 x 60 cm 45.3" x 20.7" x 23.6"
Shipping Dimensions	135 x 80 x 90 cm 53.2" x 31.5" x 31.3"	135 x 95 x 105 cm 53.2" x 37.4" x 41.3"	105 x 72 x 77 cm 41.3" x 28.3" x 30.3"	105 x 72 x 77 cm 41.3" x 28.3" x 30.3"	77 x 70 x 80 cm 30.3" x 27.5" x 31.5"
Weight	315 kg (695 lb.)	420 kg (926 lb.)	165 kg (364 lb.)	110 kg (243 lb.)	70 kg (154 lb.)
Gross weight	335 kg (739 lb.)	460 kg (1,015 lb.)	185 kg (408 lb.)	130 kg (287 lb.)	85 kg (188 lb.)
Warranty	1 year instrument, 7 years rotors				

The instruments are according to several international safety standards including the German Standards VDE and UUV -VBG 7z.

Herolab reserves the right to add or to change technical specifications without prior notice.