

Mobility solutions



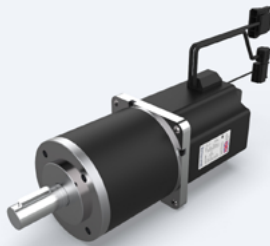


Powered wheelchairs

From lightweight paediatric to rugged off-road all-terrain chairs, our huge range of wheelchair drive solutions provides the smooth, safe power needed for almost any situation. Parvalux offers an extensive range of electric wheelchair solutions that provide accurate manoeuvrability and high efficiency, giving millions of people the freedom to live life on their own terms.

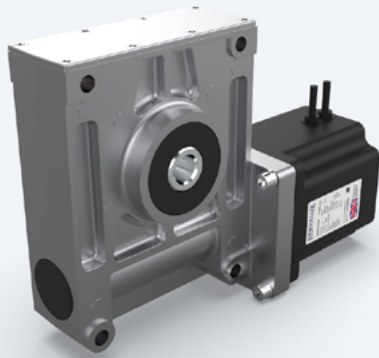


GB12		
1 Gear ratio	:1	12.5 - 25
2 Continuous torque	Nm	Up to 20
3 Intermittent torque	Nm	Up to 32
4 Gearbox efficiency	%	Up to 85
5 Gear material	High efficiency composite	
6 Voltage	V	12 - 48
7 Speed	rpm	120 - 320
8 Recommended motor(s)	BRx70 / PBL70	



PGS90		
1 Gear ratio	:1	19
2 Continuous torque	Nm	Up to 100
3 Intermittent torque	Nm	Up to 150
4 Gearbox efficiency	%	Up to 81
5 Gear material	High efficiency composite	
6 Voltage	V	12 - 48
7 Speed	rpm	210
8 Recommended motor(s)	PBL86	

Featured product PBL86-GB9



Technical data					
1 Total weight capacity ¹	Kg	365	7 System peak efficiency	%	77
2 Available speed	mph	4 - 8	8 Max rated power	W	700
3 Motor type		BLDC	9 Motor class		F
4 Motor peak efficiency	%	85	10 IP rating		Up to IP56
5 Gearbox type		Right-angle worm wheel	11 Electromechanical brake		Yes
6 Gearbox peak efficiency	%	90	12 Noise	dB	55
¹ Chair and user					

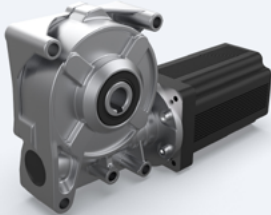


Patient hoists

Parvalux patient hoist motors are suitable for all types and weights of patients, from paediatric to bariatric (>250kg). Our extensive experience in selecting the right combination of torque, power and speed allows our motors to deliver the smooth and quiet operation that makes us the first-choice supplier for a wide range of patient hoist and winch manufacturers.



GB28		
1 Gear ratio	:1	15 - 60
2 Continuous torque	Nm	Up to 5
3 Intermittent torque	Nm	Up to 8
4 Gearbox efficiency	%	Up to 75
5 Gear material	Bronze	
6 Voltage	V	12 - 220
7 Speed	rpm	50 - 200
8 Recommended motor(s)	PM11	



GB12		
1 Gear ratio	:1	12.5 - 75
2 Continuous torque	Nm	Up to 30
3 Intermittent torque	Nm	Up to 48
4 Gearbox efficiency	%	Up to 85
5 Gear material	Bronze / composite	
6 Voltage	V	12 - 48
7 Speed	rpm	53 - 320
8 Recommended motor(s)	PBL70	

Featured product PM11-GB28



Technical data					
1 Drive pinion diameter	mm	75	6 Motor type		PMDC
2 Lifting speed	cm/s	3.5	7 Motor peak efficiency	%	82
3 Lifting weight	Kg	284	8 Gearbox type		Right-angle worm wheel
4 Speed at output shaft	rpm	58	9 Gearbox peak efficiency	%	75
5 Load at output shaft	Nm	19	10 System efficiency	%	62

Parvalux Product Range

Discover the entire range online
www.parvalux.com

Gearboxes

Parvalux British-made electric motor gearboxes are simply legendary; rugged, reliable and designed to suit a wide choice of applications, they are some of the finest small motor gearboxes in the world. Our range includes inline and right-angle output, with options for worm-wheel, spur and planetary gearboxes available, plus a wide range of customization options.

DC

Parvalux designs and manufactures a wide range of DC (Direct Current) motors, which are available in 'motor-only' format or in a combination with our range of inline, right-angle and planetary gearboxes.

Our DC motor range includes a wide selection of BLDC brushless units and PMDC permanent magnet units.

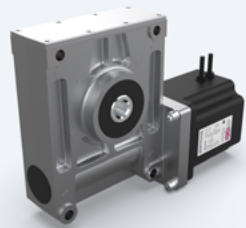
AC

Available as either single or three phase units, Parvalux AC electric motors come in aluminum housings as both motor-only and geared units. Our AC motors are engineered and built in Britain and we export to over 80 countries.



Stairlifts

Parvalux has been working with the leading stairlift manufacturers for many years. We understand the complex operational and safety demands that both manufacturers and their end customers require. Our geared stairlift motor combinations are suitable for all types of stairlift, straight or curved, and can provide motors for both the main drive and seat levelling requirements of your stairlift.



GB9		
1 Gear ratio	:1	12.5 - 75
2 Continuous torque	Nm	Up to 50
3 Intermittent torque	Nm	Up to 120
4 Gearbox efficiency	%	Up to 90
5 Gear material	Bronze / composite	
6 Voltage	V	12 - 220
7 Speed	rpm	40 - 320
8 Recommended motor(s)	BRx90 / PBL86	



GB65		
1 Gear ratio	:1	60 - 160
2 Continuous torque	Nm	Up to 120
3 Intermittent torque	Nm	Up to 300
4 Gearbox efficiency	%	Up to 75
5 Gear material	Steel / bronze	
6 Voltage	V	12 - 220
7 Speed	rpm	19 - 67
8 Recommended motor(s)	BRx90 / PBL86	

Featured product BRx90-GB65

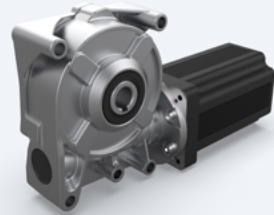


Technical data					
1 Drive pinion diameter	mm	120	7 Motor type	PMDC	
2 Angle of stairs	°	50	8 Motor peak efficiency	%	80
3 Carriage speed	cm/s	11	9 Gearbox type	Right-angle worm wheel	
4 Total carriage weight ¹	Kg	227	10 Gearbox peak efficiency	%	75
5 Speed at output shaft	rpm	18	11 System efficiency	%	60
6 Load at output shaft	Nm	114			
¹ Including user					



Step actuators

Motorised electronic side steps make a huge difference to the passenger experience on any journey. They need to be simple to operate and totally reliable, every time they're used. Parvalux geared motors are specified by the leading step actuator manufacturers to power units on a range of different vehicles.



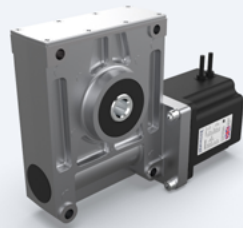
GB12		
1 Gear ratio	:1	12.5 - 25
2 Continuous torque	Nm	Up to 20
3 Intermittent torque	Nm	Up to 32
4 Gearbox efficiency	%	Up to 85
5 Recommended motor(s)	BRx70 / PBL70	



GB56		
1 Gear ratio	:1	12 - 219
2 Continuous torque	Nm	Up to 15
3 Intermittent torque	Nm	Up to 30
4 Gearbox efficiency	%	Up to 75
5 Recommended motor(s)	BRx42 / PBL42	

Lifts, VPLs and ramps

Whether it's for access to a building or vehicle, Parvalux geared motors are hugely popular with manufacturers of wheelchair lifts and ramps. Compact, reliable, and quiet, our drives can be specified to meet a wide range of requirements for lifts and ramps of all shapes and sizes, with our ability to offer fully custom units ensuring you get the perfect solution every time.



GB9		
1 Gear ratio	:1	12.5 - 75
2 Continuous torque	Nm	Up to 50
3 Intermittent torque	Nm	Up to 120
4 Gearbox efficiency	%	Up to 90
5 Recommended motor(s)	BRx90 / PBL86	



GB65		
1 Gear ratio	:1	60 - 160
2 Continuous torque	Nm	Up to 120
3 Intermittent torque	Nm	Up to 300
4 Gearbox efficiency	%	Up to 75
5 Recommended motor(s)	BRx90 / PBL86	



Mobility solutions

It's a fact of life that advances in healthcare mean people are now living longer and as we age, we become more reliant on mobility products to support independent living. Our ability to travel, go shopping, take outdoor recreation and even play sports can be extended with the help of a range of mobility solutions.

Parvalux has demonstrable experience providing reliable and robust drive systems for a range of mobility products, from electric wheelchairs and mobility scooters to personnel lifts and patient hoists. Manufacturers benefit from our ability to customise our geared motor products to meet their specific need and our willingness to develop fully custom solutions, where required.

Parvalux geared motor products are valued by mobility product manufacturers and their customers in over 80 countries for their reliability and durability. Our AC, brushed and brushless DC motors and our legendary gearboxes, are available, right now.



www.parvalux.com