# **OPTIMUS 2** 2.322



#### Allowed user weight

150 kg (including load) 120 kg (including load) at version 15 km/h













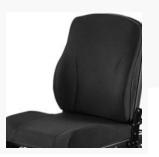


alloy wheels

Comfortable operation



Excellent traction and off-road capability



Optimal sitting comfort – optimal adaptability

## Excellent strength - Super Power

#### **EFFICIENCY**

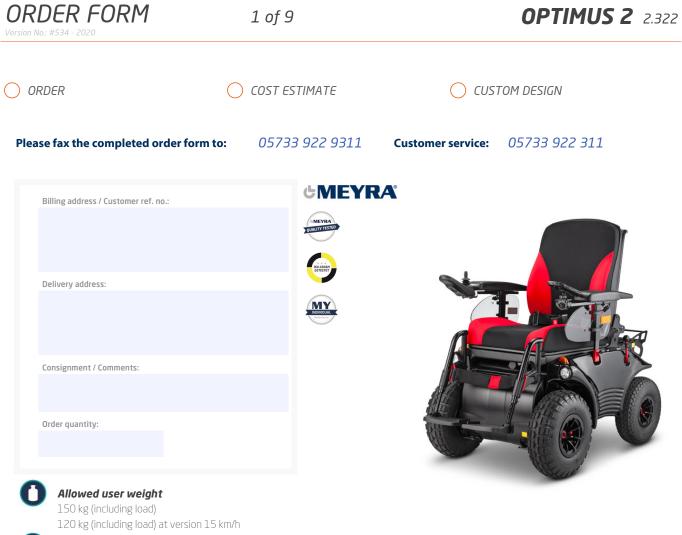
- Long service life due to top-quality materials and precision tubular steel frame for utmost resilience (user weight up to 150 kg incl. additional load), with 15 km/h 120 kg incl. additional load)
- Simple adaptation, even retrospective, of driving characteristics, extra fitting options, special controls and seat units
- The serial R-NET-electronic enables simple operation and perfect programming
- Long term safety in spare part provision through a wide spread specialist dealer network
- Little need for repairs by implementing high value and durable parts

#### THERAPEUTIC BENEFIT

- Very good safety concept of the parts, e.g. halogen headlights and serial drum brakes
- Choice of different seat units for perfect support
- Even for complex provision, e.g. with electric seat and back angle adjustment
- Individually programmable driving characteristics enable a tailored adaptation to the driving behaviour of the user, indoors and outside
- Various special control units possible

#### FIELD OF USE

- For permanent, all-day everyday use, mainly outdoors
- Users, who require a manual wheelchair or walking aids indoors, may need more support outdoors
- Direct steering gives a great amount of safety and dependability when driving outdoors
- A high level of hill-climing ability through the single suspension is ideal for rough terrain
- Achieving long distances is made possible through perfect driving characteristics and where needed large batteries
- Small turning radius for indoor use



#### Hints

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<ol> <li>seating systems ERGOSTAR / ErgoSeat / RECARO</li> <li>see category seat width</li> <li>under test conditions with battery 107 Ah (20h)</li> </ol>	<ul> <li><sup>4)</sup> For range see also category 00</li> <li><sup>5)</sup> With 6, 10 or 15 km/h version</li> <li><sup>6)</sup> depending on version</li> </ul>
Seat widths in mm	380 - 560 <sup>2)</sup>
Seat depth in mm	ERGOSTAR 500 / ErgoSeat 420 - 530 / RECARO 480 - 530 $^{ m 1)}$
Back support height in mm	ERGOSTAR 640 / ErgoSeat 550 / RECARO 640 <sup>1)</sup>
Lower shank length in mm	ERGOSTAR 380 - 520 / ErgoSeat 410 - 550 / RECARO 420 - 560 <sup>1)</sup>
Arm support height in mm	ERGOSTAR 190 - 250 / ErgoSeat 220 - 280 / RECARO 230 - 290 <sup>1)</sup>
Front seat height in mm	ERGOSTAR 610 / ErgoSeat 580 / RECARO 650
ength with leg supports in mm	1160
ength without leg supports in mm	1030
Ready for use width in mm	680
Height without head support in mm	ERGOSTAR 1170 / ErgoSeat 1050 / RECARO 1130 $^{ m 1)}$
Fransport length in mm	۳ ERGOSTAR 1340 / ErgoSeat 1160 / RECARO 1260
ransport height min. in mm	ERGOSTAR 720 / ErgoSeat 760 / RECARO 80 <sup>1)</sup>
Front wheel size in mm	360 X 120
Rear wheel size in mm	320 X 100
1ax. obstacle height in mm	110
Furning radius in mm	1200
Range with battery 107 AH (20h)	50 - 70 km
Fransport empty weight basic configuration min.	150 kg <sup>3)</sup>
Jser weight	ERGOSTAR 150 kg / ErgoSeat 150 kg / RECARO 120 kg $^{51}$
Permitted overall weight incl. options	<sup>5)</sup> ERGOSTAR 330 kg / ErgoSeat 330 kg / RECARO 300 kg
1ax. additional loading	10 kg
Driving speed	6 km/h / 10 km/h / 15 km/h
1otor power	950 W <sup>5)</sup>
Permitted inclination/slopes	18%
Form of steering	direct
eat camber electric	ERGOSTAR 7-22° / ErgoSeat 5-20° / RECARO 20-35° <sup>1)</sup>
eat camber mechanical	ERGOSTAR 7-15° / ErgoSeat 5-13° / RECARO 20-28° <sup>1)</sup>
Back support angle electric	-10° - 50°
Back support angle mechanical	0° - 30°

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Please select by ticking the relevant boxes

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Standard version: If no other selection is made, the standard version will be delivered.

#### 00 Chassis/Motorisation

CODE	SPEED	RANGE	MOTOR POWER
115	6 km/h	approx. 70 km	950 W
117	10 km/h in Germany only in combination with rear marking plate CODE 676	approx. 60 km	950 W
150	15 km/h (manufacturer setting, throttled to 12 km/h) in Germany only in combination with rear marking plate CODE 676	approx. 50 km	950 W

#### 01 Seat width (SW)

CODE	DESCRIPTION
	SW 430 mm stepless adjustable via armrests (380-500 mm)  A only i.C. with ErgoSeat CODE 948/949
	only i.C. with Arm support CODE 106
	SW 480 mm stepless adjustable via armrests (480-530 mm)
	🛕 only i.C. with ErgoSeat CODE 948/949
	only i.C. with Arm support CODE 106
	SW 500 mm
	🛕 only i.C. with ERGOSTAR CODE 961
	only i.C. with Arm support CODE 24
	SW 490-560 mm
	🛕 only i.C. with RECARO Seating System

#### 02 Wheels (tyres, colour)

			Tire color	
Code	Rims	Tyres	grey	black
482	Alu	Pneumatic tires (Cleat profile)		
904	Alu	Puncture proof (Cleat profile)		

#### Wheel options

CODE	DESCRIPTION
816	Splash guard for steering wheels
4779	Splash guard for drive wheels
72	Drum Brake



Please select by ticking the relevant boxes

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#### 05 Seat camber

 CODE	DESCRIPTION	Seat angle
118	Electric seat tilt, infinitely variable by 15°	5°-20°
119	Mechanical seat tilting	7°-28°

#### 07 Seat-/back systems

			Back s	ystems	
CODE	Seat system	without back	ErgoSeat-Bowl	ErgoSeat-pad	ErgoSeatPRO
593	Without seat plate				
4276	Seat plate without cushion				
948/43	ErgoSeat (SW 430mm)				
948/48	ErgoSeat (SW 480mm)				

Explanations back:

ErgoSeat shell includes back shell and push bar

ErgoSeat cushion includes back shell, cushion and push bar

EroSeatPro includes a comfort back with cover cushion, height 530mm convertible to 570mm

 Please select by ticking the relevant boxes
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#### ErgoSeatPRO accessory back

CODE	DESCRIPTION
2021	Thorax cushions, pair, large
2032	Thorax cushions, pair, small

#### 08 ErgoSeat-covers

CODE	DESCRIPTION
237	ErgoSeat-cover, textile, black  Only i.c.w. ErgoSeat seat or back CODE 948 or 949
4980	ErgoSeat-cover, incontinenc, black             Only i.c.w. ErgoSeat seat or back CODE 948 or 949

#### 09 Recaro remuneration

CODE	DESCRIPTION
235	Recaro textile cover, black
3254	Recaro cover, synthetic leather, black

#### 10 Back support options (Adjustments)

CODE	DESCRIPTION
814	Pushing bar, horizontal           A         Not i.c. with ErgoSeat back CODE 949
913	Head support, removable A Only i.C. with ERGOSTAR CODE 961 or ErgoSeat back CODE 949/4268/2019
401	Mechanical back support adjustment A Only i.C. with ErgoSeat back CODE 949/4268/2019
25	Electric back support adjustment Only i.C. with ErgoSeat back CODE 949/4268/2019

#### 1 Arm supports and arm pads

CODE	DESCRIPTION
106	Arm support with upholstered arm support, height adjustable and removable
24	Arm support with upholstered arm support, swivelling upward and angle adjustable
	▲ Only i.c.w. ERGOSTAR and operating module bracket CODE 4859 or 828

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#### 12 Leg supports

CODE	DESCRIPTION
93	Legrests, detachable and swing-away
92	Leg supports, swivelling upward, removable and swing-away
99	Reinforced leg supports, firmly mounted Not i.c.w. Footrest CODE 54
86	Legrests, electrically swivelling upward, removable and swing-away Not i.c.w. Footrest CODE 54

#### 13 Footrests

CODE	DESCRIPTION	depth	LSL	
54	Continuous footrest, 60 mm depth adjustable (in 4 steps), flip-up, height and angle adjustable	150 mm	380-480mm	
	⚠ Only i.c.w. leg support Code 93			
798	Two-piece footrest flip up, height and angle adjustable	150 mm	380-480mm	
822	Shoe fastening strap (pair)			
823	Heel cup (pair)			

### 14 Batteries and Chargers

CODE	DESCRIPTION	
5160	Maintenance-free batteries	70Ah (5h) / 79 Ah (20h)
5155	Maintenance-free batteries <b>A</b> Only i.c. with charger CODE 733	about 88 Ah (5h), 107 Ah (20h)
5161	Maintenance-free batteries <b>A</b> Only i.c. with charger CODE 733	about 110 Ah (5h), 125 Ah (20h)
732	Charger 8 A	for 79 Ah (20h)
733	Charger 12 A	recommended for 107 Ah (20h)

### 15 Lighting

CODE	DESCRIPTION
932	Active lighting

Standard version:

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he relevant boxes (s) \*SBI - Sonderbau/Individuallösung If no other selection is made, the standard version will be delivered.

### **16** Joystick modules and accessories

		CONTROL			
Code	Control modules	none	2 / 682	6 / 678	8 / 4260
702/415	R-NET LED				
702/416	R-NET LCD				
702/398	R-NET LCD IR/BT				
702/839	R-NET OMNI II				

#### Assembly of the operating module

CODE	DESCRIPTION	CONTROLS
74	Assembly right	
60	Assembly left	

#### 18 Special operating modules

CODE	DESCRIPTION
813	Table top control, completely swivelling <ul> <li>only i.C. with R-Net LED CODE 702/415</li> <li>only i.C. with Arm support CODE 106</li> </ul>

#### 19 Frame colours

CODE	DESCRIPTION
2201	RS-Edition
134	Ocean blue
183	Silver-metallic
216	Deep black

Please select by ticking the relevant boxes

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#### 20 Accessories

 CODE	DESCRIPTION
4795	Anti-theft function, key             Image: Antingey
833	Retaining strap with buckle
906	Rear-view mirror right
927	Rear-view mirror left
970	Walking aid holder
539	Amplified horn
930	Therapy table swivelling sideways
781	USB charging socket
782	Receptacle for mobile phone bracket
2676	Warning sign sticker      Only in combination with ErgoSeat
676	Rear marking plate A only i.C. with ERGOSTAR or RECARO only i.C. with Push bar CODE 814
994	Baggage rack
993	Baggage box, black ▲ not i.C. with electric back adjustment CODE 25 not i.C. with RECARO Spezial F/W/X CODE 567/578/584

#### Other accessories

ltem	DESCRIPTION
1080617	Tire pressure monitoring system



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Remarks			
Date	City	Signature	