

	Weight	Engine output
<b>Hydraulic excavators</b>		
Crawler excavator	82 t	363 kW
Crawler excavators	70 - 80 t	320 kW - 331 kW
Crawler excavators	50 t	215 kW - 260 kW
Crawler excavators	33 - 40 t	180 kW - 213 kW
Crawler excavators	26 - 32 t	126 kW - 148 kW
Crawler excavators	20 - 25 t	105 kW - 131 kW
Crawler excavators	15 - 19 t	68 kW
Mini-excavators	1.5 - 9 t	10 kW - 55 kW
Wheeled excavator	22 t	130 kW
Wheeled excavators	18 - 20 t	93 kW - 122 kW
Wheeled excavators	14 - 17 t	52 kW - 110 kW
Wheeled excavators	8 - 13 t	44 kW - 80 kW
Mini wheeled excavator	8 t	36 kW
Loading shovel excavator	91 t	400 kW
Long front excavators	28 - 38 t	140 kW - 169 kW
Excavator with vacuum lifting device 12 t - 16 t	33 t	138 kW
<b>Accessory equipment for excavators</b>		
Hydraulic breakers		
Trapezoidal buckets with various width ( 300 mm - 1,800 mm) and angel		
Mobile screening machines		
Screening buckets		
Backhoe buckets with quick coupler (width 300 mm - 2,200 mm)		
Tilt buckets with quick coupler (width 1,200 mm - 3,650 mm)		
Rippers		
Clam Shell buckets 400 - 1,200 mm		
Hydraulic compactor		
<b>Pile driver telescopic leader 19 m</b>		
<b>Crawler cranes</b>		
Crawler cranes with lattice pylon boom 100 t lifting capacity	110 t	270 kW
Crawler cranes with telescopic boom 80 t lifting capacity	79 - 85 t	186 kW
Crawler crane with lattice pylon boom 60 t lifting capacity	70 t	261 kW
Crawler cranes with telescopic boom 40 t lifting capacity	41.2 t	135 kW
Crawler cranes with lattice pylon boom 40 t lifting capacity	49.5 t	160 kW
Crawler cranes with lattice pylon boom 14 - 25 t lifting capacity	22 - 32 t	51 kW - 123 kW

	Weight	Engine output
<b>Wheeled cranes</b>		
Wheeled cranes with telescopic boom 40 t lifting capacity	25 - 26.3 t	128 kW - 135 kW
Wheeled cranes with telescopic boom 35 t lifting capacity	25 t	150 kW
Wheeled cranes with telescopic boom 15 - 16 t lifting capacity	18 - 20.3 t	76 kW - 92 kW
Wheeled cranes with lattice pylon boom 10 t lifting capacity	14 t	51 kW
<b>Rotating tower cranes</b>		
	12.3 - 76 t	
<b>Pipelayers</b>		
Pipelayers 54 - 92 t lifting capacity	40.6 - 60 t	223 kW - 270 kW
Pipelayers 15 - 41 t lifting capacity	14.7 - 30 t	77 kW - 132 kW
<b>Paywelders</b>		
Paywelders with 2 welding workstations 350 - 600 A, with electric generator 50 - 150 kVA	13 - 20 t	53 kW - 125 kW
Paywelders with 4 welding workstations 350 - 600 A, with electric generator 85 - 185 kVA	15 - 24 t	67 kW - 150 kW
Suitable for automatic welding, partly equipped with air-compressors		
<b>Special equipment pipeline construction</b>		
Pipe-bending machines 48" - 60"	105 t	107 kW
Pipe-bending machines 36" - 48"	55 t	75 kW
Pipe-bending machine 32" - 42"	36 t	75 kW
Pipe-bending machine 22" - 36"	16 t	63 kW
Pipe-bending machine 16" - 30"	15 t	54 kW
Pipe-bending machines 6" - 20"	6 t	21 kW
Pipe transport vehicles up to max. 2 x DN 1400	16 t	300 kW - 370 kW
Pipe transport vehicle up to max. 2 x DN 1400 with loader crane lifting capacity 8,8 t	16 t	300 kW
Pipe carrier 24" and 48"	19 t	250 kW
Pipe carrier 56"	19 t	250 kW
Padder STREICHER P 4341	43 t	301 kW
Selfloading Superscreen Laurini	31 t	259 kW
Crusher Laurini	31 t	331 kW
Mobile roller crushers	60 t	356 kW
Fuel transport crawler 900 I	8.8 t	202 kW
Fuel transport crawler 2 x 878 I	22,7 t	118 kW
Transport crawler with passenger cabin	5 t	97 kW
Transport crawler for containers	13 t	184 kW

	Weight	Engine output
Self-propelled screening machines 6 m <sup>2</sup> screening surface	23 t	132 kW
Trench crusher	11.5 t	246 kW
Trucks equipped for polyethylene pipe welding	3 - 7.5 t	85 kW - 116 kW
High voltage holiday detectors		
Internal pneumatic line up clamp 8" - 60"		
Hydraulic wedge mandrel 20" - 56"		
Pipe facing machines 16" - 60"		
Soil displacement hammers DN 50 - DN 800		
Manual external line up clamp in all nominal sizes up to DN 1500		
Sandblast units 25 l - 200 l		
Pipe roller cradles DN 800 - DN 1200		
Pipe roller cradles DN 300 - DN 600		
Choker belt DN 300 - DN 1400		
<b>Engine driven welders</b>		
Engine driven welders (200 - 400 A)	100 - 1,500 kg	6 kW - 34 kW
<b>Welding sets</b>		
Welding power sources 140 - 450 A		
Welding power sources for automatic welding 350 - 600 A		
TIG/MIG/MAG-welding sets 160 - 520 A		
Automatic orbital welding unit PSI for pipe diameter DN 450 - DN 2000		
Automatic orbital welding unit CRC for pipe diameter DN 1200		
PEHD-welding machines for electrofusion-welding and butt-welding-machines		
<b>Induction preheaters</b>		
for preheating of welding seam at pipelines up to DN 2000		
<b>Electric generators</b>		
Power sets 1 - 14 kVA	25 - 350 kg	1 kW - 15 kW
Power sets 15 - 185 kVA	240 - 2,300 kg	13 kW - 148 kW
Power sets 225 - 1,300 kVA	5.7 - 27.2 t	180 kW - 1,205 kW
<b>Bulldozers</b>		
Bulldozer	47 t	287 kW
Bulldozers	16 - 20 t	112 kW - 138 kW
Bulldozers	8 - 15 t	60 kW - 97 kW
equipped with GPS-control		

	Weight	Engine output
<b>Crawler carrier</b>	13 t	184 kW
<b>Mobile screening- and crushing equipment</b>		
Track mounted impact crushers 400 t/h	64 t	354 kW
Track mounted impact crusher 350 t/h	65 t	384 kW
Track mounted impact crusher 250 t/h	68 t	
Track mounted impact crushers 250 t/h	57 t	260 kW
Track mounted impact crushers 250 t/h	29 t	205 kW
Track mounted impact crusher 160 t/h	25 t	168 kW
Track mounted jaw crusher 500 t/h	72 t	350 kW
Track mounted jaw crushers 350 t/h	70 t	359 kW
Track mounted jaw crusher 250 t/h	65 t	218 kW
Track cone crusher 245 t/h	43 t	289 kW
Track mounted screens		
<b>Wheel loaders</b>		
Wheel loaders, loading shovel 4,0 - 5,5 m <sup>3</sup>	24 - 36 t	195 kW - 273 kW
Wheel loaders, loading shovel 2,5 - 4,0 m <sup>3</sup>	18 - 23 t	148 kW - 221 kW
Wheel loaders, loading shovel 1,5 - 2,5 m <sup>3</sup>	12 - 17 t	100 kW - 148 kW
Wheel loaders, loading shovel 0,9 - 1,5 m <sup>3</sup>	3 - 8.5 t	26 kW - 75 kW
<b>Backhoe loaders</b>	8 - 9 t	60 kW - 66 kW
<b>Compact track loaders</b>	3,5 - 5 t	45 kW - 55 kW
<b>Telescopic handlers / lifting platform</b>		
Telescopic handlers with a lifting capacity 6 - 12 t	9 - 15 t	62 kW - 107 kW
Telescopic handlers, 360° rotatable, lifting capacity 3 - 4.5 t suitable for use as lifting platform 16 - 27 m working height	12 - 17 t	74 kW - 125 kW
<b>Elevating platforms</b>		
Scissor lifts up to 12 m working height	2.3 t	E-Motor
Telescopic platform up to 34 m working height	19 t	58 kW
<b>Motor graders</b>	10.5 - 19.5 t	94 kW - 180 kW
All motor graders are equipped with 3-D machine control		
<b>Mobile compressors (3.0 up to 21 cbm/min; 7 up to 24 bar)</b>	0.5 - 4.1 t	21 kW - 228 kW
<b>Vibratory rammers</b>	32 kg - 96 kg	1 kW - 3 kW

	Weight	Engine output
<b>Plate compactors</b>	40 kg - 1,185 kg	2 kW - 21 kW
<b>Compaction equipment in civil engineering</b>		
Single drum rollers (10 with horizontal compaction technology)	7 - 25 t	59 kW - 141 kW
Trench rollers	1.3 - 3 t	9 kW - 25 kW
Hand-led double drum rollers	0.8 - 1.4 t	5 kW - 11 kW
<b>Compaction equipment asphalt surfacing</b>		
Rubber-tired rollers	8,5 - 21 t	55 kW - 70 kW
Combi rollers (6 with horizontal compaction technology)	7 - 9.2 t	49 kW - 88 kW
Combi rollers	1.5 - 6.5 t	15 kW - 30 kW
Tandem rollers (11 with horizontal compaction technology)	7 - 13 t	51kW - 100 kW
Tandem rollers	1.5 - 4 t	10 kW - 29 kW
<b>Gravel spreader (self-propelled)</b>	9.5 t	28 kW
<b>Asphalt pavers</b>		
Paver up to 13.25 m paving width	23 t	148 kW
Pavers 0.75 m up to 9.00 m paving width	8 - 26 t	55 kW - 175 kW
Pavers 0.25 m up to 3.20 m paving width	1 - 9 t	6 kW - 60 kW
<b>Mobile feeders</b>	20 t	170 kW
<b>Cold milling machines</b>		
Cold milling machines 500 - 600 mm working width	6 - 14 t	60 kW - 160 kW
<b>Vehicles</b>		
Unimog U300 – U1400, partly equipped with watertank and sweeper	7.5 - 12 t*	70 kW - 175 kW
Tractors	2.9 - 9.0 t	25 kW - 221 kW
Service cars for standby and maintenance service	3 - 7.5 t*	63 kW - 120 kW
2-axle trucks, partly equipped with tipper, boxes, loader crane, water-tank superstructures and sweeper	max. 18 t*	105 kW - 324 kW
3-axle trucks	max. 26 t*	230 kW - 335 kW
2-axle trucks and 3-axle trucks (roll-off skip loader)	max. 26 t*	200 kW - 397 kW
4-axle trucks	max. 32 t*	289 kW - 324 kW
4-axle truck with knuckle boom crane lifting capacity 10 t	32 t*	370 kW
4-axle truck with knuckle boom crane lifting capacity 16 t	32 t*	370 kW
Fuel-tank trucks (9000 - 20,000 liter volume)	max. 19 t*	125 kW - 300 kW
Heavy haulage tractor units		397 kW - 440 kW
Heavy haulage semitrailer NL 53.0 t		

	Weight	Engine output
Heavy haulage semitrailer NL 37.5 t		
Heavy haulage semitrailer NL 31.0 t		
Rigid dump trucks	65 - 110 t*	336 kW - 552 kW
Articulated dump trucks	48 - 51 t*	240 kW - 248 kW
Articulated dump truck	36 t*	218 kW
Articulated dump truck	18 t*	104 kW
Site dumpers	10 t*	64 kW
Low loaders	30 t*	
Mini-low loaders	4.2 - 18.5 t*	
<b>Horizontal drilling rigs</b>		
Complete horizontal directional drilling rigs, tractive force 11 - 350 t, up to pipe diameter 72"		
Thrust boring machine 324 - 1,420 mm drilling diameter	4.6 t	100 kW
Thrust boring machine 324 - 630 mm drilling diameter	2.3 t	80 kW
Microtunneling system up to 1,100 mm drilling diameter		
Pit launch machine 80 - 125 mm drilling diameter	0.5 t	
<b>Deep drilling rigs</b>		
Deep drilling rigs for geothermic power systems, for pipe diameter up to 320 mm, tractive force 4 - 20 t	2.7 - 19.9 t	47 kW - 147 kW
Deep drilling rigs type STREICHER VDD 370, up to a pipe diameter of 20", tractive force 370 t		
Deep drilling rig type STREICHER VDD 200, tractive force 200 t		
Deep drilling rig type STREICHER Drilling TB 2100 S, tractive force 200 t		
<b>High pressure plunger pumps</b>		
Pumping capacity: 160 l/min/350 bar up to 2,700 l/min/240 bar	10.5 - 50 t	223 kW - 880 kW
<b>Progressive cavity pumps</b>		
Transport capacity 500 l/min/3 bar up to 4,000 l/min/6 bar	1.0 - 2.3 t	0.6 kW - 50 kW
<b>Centrifugal pumps</b>		
Pumping capacity: 450 l/min/4 bar up to 12,300 l/min/5.4 bar	340 - 800 kg	22 kW - 45 kW
<b>Submerged pumps</b>		
Performance data: up to 5,600 l/min/0.7 bar	9 - 180 kg	1 kW - 20 kW
<b>Hydraulic aggregates</b>		
Performance data: 20 l/min/120 bar up to 130 l/min/250 bar	88 - 1,750 kg	5.5 kW - 55 kW

	Weight	Engine output
<b>Bentonite mixing plant with 3 - 30 m<sup>3</sup> tank</b>		
<b>Cable plow with equipment</b>		
Cable plow, cable laying depth max. 2 m	14.8 t	84 kW
Towing vehicle, tractive force up to 78 t	18.0 t	359 kW
Flat-bed trailer permissible total weight 24 t		
<b>Capstan winches for cable laying</b>		
Capstan winches, tractive force 500 - 2,500 kg		
<b>Cable blowing-in-system, conduit calibration and leakage-test units</b>		
Cable blowing-in-systems, diameter 10 - 28 mm		
Duct calibration and leakage-test units		
<b>Optical fiber cable fusion splicing and measurement equipment</b>		
Fusion splicing devices		
Attenuation test device		
<b>Cable and pipe transport devices</b>		
Double reel trailer permissible total weight 10 t		
Pipe coil trailers permissible total weight 2 - 3 t		
Cable reel trailers with hydraulic power reel drive permissible total weight 1.2 - 7.1 t		
<b>Surveying equipment</b>		
GPS base stations		
GPS receiver		
Electronic tachymeters		
Rotary lasers		
Laser receiver		
Pipe lasers		
Surveyor's levels		
Theodolites		

	Weight	Engine output
<b>Special equipment road construction</b>		
Self propelled binding agent spreader	28 t	324 kW
Soil stabilisation mixer and binding agent spreader suitable for assembling on tractors, bitumen sprayers, diamond cutting equipment, gravel scattering equipment, Road core drilling machines, asphalt floats		
<b>Special equipment bridge construction and civil engineering</b>		
All required formworks, peri lattice girders, peri trio formworks, scaffolding, scaffolding braces, special falsework structures for large bridges, free-cantilevered construction and incremental launching equipment, electric concrete vibrators, screed vibratos, concrete trowel machines, pumps, shot peening machine		
<b>Special equipment hydraulic engineering</b>		
pontoons up to 114 t displacement, with a maximum draught of 1.21 m		
pusher tugs, with a maximum draught of 1.5 m		79 kW - 915 kW
barger up to 399 t load capacity, with a maximum draught of 2 m		
winches for inverted siphon installation, hoisting force of 25 t, wire rope length of 750 m		
<b>Miscellaneous general equipment:</b>		
Suction excavator, truck mounted sweepers, Hydraulic shears for demolition, surface cutter for crawler excavators, Vibration shovel bucket, root rake, Hydraulic drilling rigs up to a bore-diameter of 89 mm, Different shoring systems, for example: Aluminium lightweight shoring up to 2 m deep, low weight shoring up to 3 m deep and especially rugged shoring system up to 5.2 m deep		
<b>Laboratory testing devices</b>		
Testing devices and laboratory equipment for analyzing Asphalt, Soil and Concrete (for example load plate tests; proctor tests; permeability tests; Nuclear Surface Gauges for determining the density of asphalt, soil, aggregate or concrete and the moisture of soil or aggregate; sieving analysis; thickness measurement of road pavement layers). Analyzing Road Core Drillings, surface covering compaction control. Initial testing, preliminary test, qualification test for Road construction and Civil engineering projects. Several Laboratory and field tests. Building material laboratory at our branches and subsidiaries as well as transportable laboratories for construction sites.		
<b>Mixing plants</b>		
steady state mixing plant for mineral packing material for landfills, with double-shaft positive mixer, manufacturer BHS, mixer capacity 3.5 cbm, output approx. 100 cbm/h, 1982 model, with mineral matter pre-dosing and weighing and separate bentonite and filler weighing		



Asphalt mixing plants		
Location	model	production rate
	type	
Altenmarkt	Ammann	120 t/h
	MEA 120	
Bösenbrunn	Gibat OHL	160 t/h
	GAM 160	
Eger (Tschechische Republik)	Gibat OHL	160 t/h
	180	
Eggenfelden-Linden	Ammann	160 t/h
	Universal 160	
Hartenstein	A.C.P	160 t/h
	Titan 2000	
Jena-Maua	Ammann	240 t/h
	MEB 240	
Limbach-Herlasgrün	Gibat OHL	160 t/h
	GAM 160	
Ruhmannsfelden-Wildtier	Ammann	160 t/h
	MEA 160	
Unterwattenbach	Ammann	200 t/h
	Universal 200	
Steinach-Straubing	Ammann	180 t/h
	EURO MEA 195	

\* refers to the permissible total weight