

ROBUST
LOG SPLITTERS



Splits all!





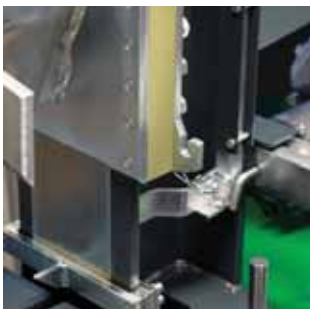
*Ratchet of the lifter
(Patent SI 23537)*



*Patented movable handle
(Patent SI 23536)*



*Easy fitting
of axe move*



*Axe limit stop
at the table*



*Optimal desing
of rope winch*

ADVANTAGES FOR YOU:

- ▶ Small splitter size when in the transportation position
- ▶ Mechanical lifter for easy and reliable lift of larger and heavier logs
- ▶ Patented ratchet of the lifter in hard casing for easy and reliable switching between operational and transportation positions (not Robust 13)
- ▶ Patented movable left handle mechanism for holding and fixing the log
- ▶ Ergonomic handle design to reduce fatigue during work
- ▶ Reliable and firm fastening of the cylinder in the operational position using two butterfly nuts
- ▶ Height adjustment of the axe for optimal adaption to different lengths of logs
- ▶ Guide rails made of special plastic materials that are resistant to wear and require minimal maintenance
- ▶ Inlet filter preventing possible impurities within the oil from reaching the pump or other hydraulic system components
- ▶ Special hydraulic valve and rapid return of the axe, permitting high efficiency
- ▶ Easy assembly of the table for splitting of short logs and with limit stop
- ▶ Hydraulic driven rope winch enables higher productivity and reduces physical strain of the user when working with the longer and heavier logs (available as additional equipment for Robust 16, 20 and 25)
- ▶ The well thought-out setting up of pulley of the winch places the log in the middle of the working plate, at the same time its mobility allows traction of logs from side
- ▶ Rope winch with hydraulic drive and traction force of 500 kg is useful for pulling of longer and arranging of heavier logs into the splitting position without hard effort from your part
- ▶ There is 15 m of 6 mm steel cable with hook on cable drum with speed of winding 35 m per minute
- ▶ Assembly of the rope winch is possible at first assembly or as follow-up fitting
- ▶ Large transportation hook

ROBUST 13 B – petrol engine

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Mobile on axle with third wheel and ball hitch
- ▶ Hydraulic tilting aid: The hydraulic cylinder brings the splitter in working/transportation position
- ▶ Driven with petrol engine
- ▶ Two splitting speeds
- ▶ Height adjustment of the axe
- ▶ Left and right arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator
- ▶ Confirmation on conformity of a vehicle with max. transport speed: 80 km/h



OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting

ADVANTAGES:

- ▶ Trailer with integrated log splitter
- ▶ Simply attach, move and work
- ▶ No need of tractor or electricity
- ▶ Quick, safe and easy work with log splitter

TECHNICAL DATA

Type	R 13 B
Drive	petrol engine
Description	Subaru EX270 double stage pump HL 2 splitting speeds
Splitting power (t)	13
Cylinder stroke (mm)	1050
Max. log length (mm)	1150
Log length on table (mm)	630
Log diameter (mm)	500
Weight (kg)	490
Dimensions H/W/L/H1 (mm)	1550/1600/2552/2470
Oil quantity (l)	45



ROBUST 13





Splitting table with extension



Manual shifting

ROBUST 13

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Wheels for manual shifting
- ▶ Two splitting speeds
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Suction filter
- ▶ Oil level indicator

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ 4.0 kW electric motor 400 V
- ▶ Tractor + electric motor

TECHNICAL DATA

Type	R 13 K	R 13 E	R 13 EK
Drive	tractor	electric motor	tractor + electric motor
Description	pump group 2 – 25 ccm 2 splitting speeds	6 ccm, 4.0 kW / 400 V 2 splitting speeds	pump group 2 – 25 ccm 6 ccm, 4.0 kW / 400 V 2 splitting speeds
Splitting power (t)	13	13	13
Cylinder stroke (mm)	1050	1050	1050
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	500	500	500
Splitting speed S1 / S2 / RS (cm/s)	9,7 / 24,4 / 15	6,1 / 15,2 / 9,9	see left
Splitting time / return (s/1050 mm)	4,3 - 10,8 / 7	6,9 -17,2 / 10,6	see left
Power consumption (kW/HP)	21/29		21/29
PTO speed (rpm)	199		199
Max. PTO speed (rpm)	540		540
Weight (kg)	285	305	320
Dimensions H/W/L/H1 (mm)	1690/856/1180/2470	1690/856/1180/2470	1690/856/1180/2470
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	20	20	20

ROBUST 16





Manual shifting



Type E

ROBUST 16

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Two splitting speeds
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Ratchet of the lifter
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Maxispeed – automatically adjusted splitting speed
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting
- ▶ Hydraulic driven rope winch (500 kg, 15 m) – manual operation or radio controlled
- ▶ Trolley for manual transportation
- ▶ Gripping pliers for rope winch

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ 5.5 kW electric motor 400 V
- ▶ Tractor + electric motor

TECHNICAL DATA

Type	R 16 K	R 16 E	R 16 EK
Drive	tractor	electric motor	tractor + electric motor
Description	pump group 2 – 30 ccm 2 splitting speeds	19 ccm, 5.5 kW / 400 V 2 splitting speeds	pump group 2 – 30 ccm 19 ccm, 5.5 kW / 400 V 2 splitting speeds
Splitting power (t)	16	16	16
Cylinder stroke (mm)	1050	1050	1050
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	600	600	600
Splitting speed S1 / S2 / RS (cm/s)	9,5 / 21,9 / 17,5	7,6 / 16,7 / 13,1	see left
Splitting time / return (s/1050 mm)	4,8 - 11 / 6	6,3 - 13,9 / 8	see left
Power consumption (kW/HP)	25/34		25/34
PTO speed (rpm)	200		200
Max. PTO speed (rpm)	540		540
Weight (kg)	420	450	460
Dimensions H/W/L/H1 (mm)	1785/856/1280/2615	1785/856/1280/2615	1785/856/1280/2615
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	35	35	35

ROBUST 20





Type EK
and inlet filter



Upper left handle

ROBUST 20

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Two splitting speeds
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Ratchet of the lifter
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Industrial cast iron pump
- ▶ Maxispeed – automatically adjusted splitting speed
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting
- ▶ Hydraulic driven rope winch (500 kg, 15 m) – manual operation or radio controlled
- ▶ Trolley for manual transportation
- ▶ Gripping pliers for rope winch

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ 5.5 kW electric motor 400 V
- ▶ Tractor + electric motor

TECHNICAL DATA

Type	R 20 K	R 20 E	R 20 EK
Drive	tractor	electric motor	tractor + electric motor
Description	pump group 3 – 36 ccm 2 splitting speeds	19 ccm, 5.5 kW / 400 V 2 splitting speeds	pump group 3 – 36 ccm 19 ccm, 5.5 kW / 400 V 2 splitting speeds
Splitting power (t)	20	20	20
Cylinder stroke (mm)	1050	1050	1050
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	700	700	700
Splitting speed S1 / S2 / RS (cm/s)	31,8 / 23,3 / 30,9	12,1 / 10,1 / 11,5	see left
Splitting time / return (s/1050 mm)	3,3 - 9 / 3,4	8,7 - 19,8 / 9,1	see left
Power consumption (kW/HP)	27/37		27/37
PTO speed (rpm)	320		200
Max. PTO speed (rpm)	540		540
Weight (kg)	475	515	525
Dimensions H/W/L/H1 (mm)	1800/856/1300/2660	1800/856/1300/2660	1800/856/1300/2660
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	45	45	45

ROBUST 25





Log retainer



Rope winch

ROBUST 25

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Maxispeed – automatically adjusted splitting speed
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Ratchet of the lifter
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Industrial cast iron pump
- ▶ Two splitting speeds
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting
- ▶ Hydraulic driven rope winch (500 kg, 15 m) – manual operation or radio controlled
- ▶ Trolley for manual transportation
- ▶ Gripping pliers for rope winch

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ 7.5 kW electric motor 400 V
- ▶ Tractor + electric motor

TECHNICAL DATA

Type	R 25 K	R 25 E	R 25 EK
Drive	tractor	electric motor	tractor + electric motor
Description	pump group 3 – 46 ccm maxispeed	20 ccm, 7.5 kW / 400 V maxispeed	pump group 3 – 46 ccm 20 ccm, 7.5 kW / 400 V maxispeed
Splitting power (t)	25	25	25
Cylinder stroke (mm)	1050	1050	1050
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	800	800	800
Splitting speed S1 / RS (cm/s)	30,9 / 31,8	12,2 / 11,7	see left
Splitting time / return (s/1050 mm)	3,4 / 3,3	8,6 / 9	see left
Power consumption (kW/HP)	30/41		30/41
PTO speed (rpm)	320		320
Max. PTO speed (rpm)	540		540
Weight (kg)	490	545	555
Dimensions H/W/L/H1 (mm)	1800/856/1300/2660	1800/856/1300/2660	1800/856/1300/2660
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	45	45	45

ROBUST 20 Profi LINE





Industrial cast iron pump



Power saw bracket and combi can carrier

ROBUST 20 ProfILINE

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Industrial cast iron pump
- ▶ Maxispeed – automatically adjusted splitting speed
- ▶ Extended cylinder stroke
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Ratchet of the lifter
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator
- ▶ Power saw bracket, combi can carrier, axe and hookaroon holder

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Two splitting speeds
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting
- ▶ Hydraulic driven rope winch (500 kg, 15 m) – manual operation or radio controlled
- ▶ Trolley for manual transportation
- ▶ Gripping pliers for rope winch

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ Electric motor*
- ▶ Tractor + electric motor*

TECHNICAL DATA

Type	R 20 K PL	R 20 E PL*	R 20 EK PL*
Drive	tractor	electric motor	tractor + electric motor
Description	industrial cast iron pump maxispeed	N/A	N/A
Splitting power (t)	20	20	20
Cylinder stroke (mm)	1100	1100	1100
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	800	800	800
Splitting speed S1 / RS (cm/s)	33,3/34,3	N/A	N/A
Splitting time / return (s/1100 mm)	3,3/3,2	N/A	N/A
Power consumption (kW/HP)	30/41		30/41
PTO speed (rpm)	320		320
Max. PTO speed (rpm)	540		540
Weight (kg)	490	N/A	N/A
Dimensions H/W/L/H1 (mm)	1800/856/1320/2710	1800/856/1320/2710	1800/856/1320/2710
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	45	45	45

*November 2014

ROBUST 25 ProfiLINE





Rope winch



Axe and hookaroon holder

ROBUST 25 ProfiLINE

GENERAL INFO AND EQUIPMENT:

- ▶ Robust construction
- ▶ Industrial cast iron pump
- ▶ Maxispeed – automatically adjusted splitting speed
- ▶ Extended cylinder stroke
- ▶ Height adjustment of the axe
- ▶ Mechanical lifter for lifting heavier logs
- ▶ Ratchet of the lifter
- ▶ Left arm for holding logs
- ▶ Movable left handle for securing the log during the splitting process
- ▶ Right handle for controlling splitting speed and safe work
- ▶ High-quality hydraulic components
- ▶ Welded tank with oil drain plug
- ▶ Inlet suction filter
- ▶ Oil level indicator
- ▶ Power saw bracket, combi can carrier, axe and hookaroon holder

OPTIONAL AND ADDITIONAL EQUIPMENT:

- ▶ Log retainer for holding and fixing the log with upper left handle
- ▶ Log retainer for holding and fixing the log with movable left handle
- ▶ Two splitting speeds
- ▶ Table for splitting of shorter logs and shorter-length wood
- ▶ Table extension for larger work surface (on the left and/or right)
- ▶ Galvanised cross wedge made of HARDOX, enabling four-section splitting
- ▶ Hydraulic driven rope winch (500 kg, 15 m) – manual operation or radio controlled
- ▶ Trolley for manual transportation
- ▶ Gripping pliers for rope winch

DRIVE:

- ▶ Tractor – universal-joint shaft required
- ▶ 7.5 kW electric motor 400 V
- ▶ Tractor + electric motor

TECHNICAL DATA

Type	R 25 K PL	R 25 E PL	R 25 EK PL
Drive	tractor	electric motor	tractor + electric motor
Description	industrial cast iron pump maxispeed	20 ccm, 7.5 kW / 400 V maxispeed	industrial cast iron pump 20 ccm, 7.5 kW / 400 V maxispeed
Splitting power (t)	25	25	25
Cylinder stroke (mm)	1100	1100	1100
Max. log length (mm)	1150	1150	1150
Log length on table (mm)	630	630	630
Log diameter (mm)	900	900	900
Splitting speed S1 / RS (cm/s)	27,5/29,7	14,9/15,5	see left
Splitting time / return (s/1100 mm)	4,0/3,7	7,4/7,1	see left
Power consumption (kW/HP)	30/41		30/41
PTO speed (rpm)	320		320
Max. PTO speed (rpm)	540		540
Weight (kg)	505	560	570
Dimensions H/W/L/H1 (mm)	1800/856/1320/2710	1800/856/1320/2710	1800/856/1320/2710
Transport height with table (mm)	2050	2050	2050
Oil quantity (l)	45	45	45

ROBUST – Splits all!

Under the registered brand name ROBUST we produce and sell hydraulic log splitters for metre-long logs with a nominal power of 13 to 25 tonnes that are proprietarily designed and developed.

INNOVATIVE SOLUTIONS

We received the 2010 Innovator of the Year Award from the Municipality of Žalec for the “innovative construction design of a professional vertical wood splitter”. Our log splitter model is also protected in the European market with registered Community design under the Nr. 001772377-0001. The same stands for hydraulic rope winch which is available as additional equipment. We received Innovator of the Year of Lower Savinja Valley Award in 2012 and the registered Community design Nr. 001988957-00001 refers to the protection of its design in the European market.

PATENTS

Log splitter ROBUST presented two innovations. The patent SI 23536 A relates to the improvement of the mechanism of the handle which holds the log, while the patent SI 23537 A relates to the ratchet of the lifting bow that enables easy, fast and reliable switching between the working and transportation positions.

SAFETY AND RELIABILITY

ROBUST log splitters are produced in accordance with EU standards and meet the health and safety requirements set out in the EC guidelines 2006/42/EC and in the Machinery Safety Rules (Official Gazette of the Republic of Slovenia, No. 75/08), guidelines 73/23/EEC and Regulations relating to electrical equipment which is designed for use within certain voltage limits (Official Gazette of the Republic of Slovenia, No. 27/04). Their major advantage is operational safety. We ensure that each wood splitter is subjected to a final inspection, thus ensuring complete reliability.

WARRANTY AND SERVICE

All ROBUST hydraulic log splitters are produced at our location in Arja vas, Slovenia and have a 24-month warranty. We offer repair services and spare parts and equipment for all of our ROBUST log splitters on the territory of European Union and wider.



ROBUST 

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