

## TECHNICAL DATA

### Measurements

Width, head open	1 400 mm
Width, head closed	980 mm
Weight (from)	840 kg
Height (in processing position)	1 410 mm
Length (in processing position)	1 460 mm
Optimal tree diameter	400 mm
Optimal tree diameter in debarking	300 mm

### Delimiting

Number of delimiting knives	4+1
Max opening of front knives	600 mm
Max opening of rear knives	680 mm
Diameter front knives tip-to-tip	390 mm

### Feeding

Type of feed	2WD
Diameter of feed rollers	355 mm
Max opening of feed rollers	580 mm

### Hydraulics

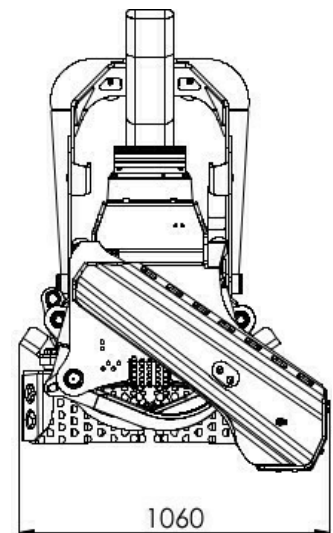
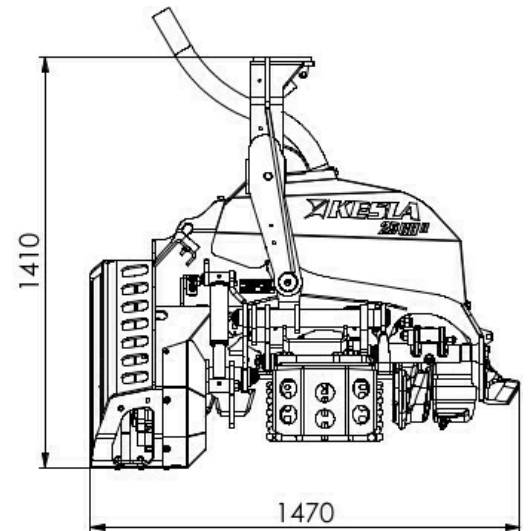
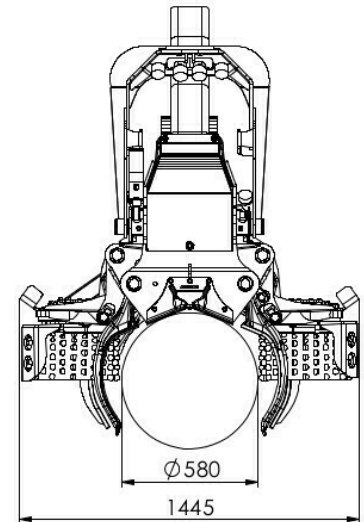
Recommended pressure min	210 bar
Max pressure	240 bar
Recommend oil flow min	170 l/min
Max oil flow	250 l/min

### Electronics

Voltage	24 V
Current	15 A

### Recommended base machine

Excavator min weight	12 t
Excavator max weight	16 t
Wheeled harvester min weight	15 t
Wheeled harvester max weight	20 t



## SAW AND FEEDMOTOR CONFIGURATION

### Chain Saw Options

#### F12-30, manual chain tensioner, manual saw control

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	30 cc
Chain tightener	manual
Saw control	manual

#### F12-30, manual chain tensioner, auto saw control

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	30 cc
Chain tightener	manual
Saw control	auto

#### F11-19, manual chain tensioner, manual saw control

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	19 cc
Chain tightener	manual
Saw control	manual

#### F11-19, manual chain tensioner, manual saw control, short stump

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	19 cc
Chain tightener	manual
Saw control	manual

#### F11-19, manual chain tensioner, auto saw control

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	19 cc
Chain tightener	manual
Saw control	auto

#### JPS R5500 32cc saw with auto chain tensioner & auto saw control

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	32 cc
Chain tightener	auto
Saw control	auto



**KESLA HD30 with automatic chain tensioner, manual saw control**

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	30 cc
Chain tightener	auto
Saw control	manual

**KESLA HD30 with automatic chain tensioner, auto saw control**

Max cutting diameter	650 mm
Max guide bar length	75 cm
Chain pitch	0.404 "
Saw motor displacement	30 cc
Chain tightener	auto
Saw control	auto

**Feed Motor Options****Poclain 565cc**

Feed motor displacement	565 cc
Feed force	21.6 kN
Feed speed	4.7 m/s
Recommended flow	250 l/min
Recommended engine power min	88 kW

**Rexroth 470cc**

Feed motor displacement	470 cc
Feed force	18 kN
Feed speed	5 m/s
Recommended flow	225 l/min
Recommended engine power min	79 kW

**Rexroth 380cc**

Feed motor displacement	380 cc
Feed force	14.5 kN
Feed speed	5.5 m/s
Recommended flow	200 l/min
Recommended engine power min	70 kW

**Rexroth 565cc**

Feed motor displacement	565 cc
Feed force	21.6 kN
Feed speed	4.7 m/s
Recommended flow	250 l/min
Recommended engine power min	88 kW

**Poclain 470cc**

Feed motor displacement	470 cc
Feed force	18 kN
Feed speed	5 m/s
Recommended flow	225 l/min
Recommended engine power min	79 kW

## OPTIONAL EQUIPMENT

### Control valve

HA02-030-10	STD (mechanical clamping pressure control)
HA02-030-11	KESLA proCON

### Saw bar pressure control

HA02-050-10	STD (Manual)
HA02-050-11	Proportional

### Chain oil pump

HA02-060-10	Fixed volume, hydraulic
HA02-060-11	KESLA Prolube, electric adjustable

### Feed roller

HA02-070-10	STD (KESLA steel rollers)
HA02-070-20	KESLA EUCA-rollers
HA02-070-30	KESLA Multi stemming- rollers
HA02-070-40	KESLA XtraGRIP
HA02-070-50	Rollers with rubber cushion (MOIPU)
HA02-070-60	FINNSKOGSVALSEN
HA02-070-70	V-Tec

### Middle roller

HA02-080-10	STD
HA02-080-20	EUCA

### Length measuring

HA02-090-10	STD (measuring roller, spring-loaded)
HA02-090-12	measuring roller KESLA HydCON
HA02-090-14	Sensors in feed motors

### Diameter measuring

HA02-100-10	No diameter measuring equipment installed
HA02-100-11	STD Analog sensor, current output (mA)
HA02-100-12	Double pulse encoders
HA02-100-13	Analog sensor, voltage output (mV)

### Wire harness for control system

HA02-110-10	None
HA02-110-11	Motomit
HA02-110-12	KESLA proLOG or xLogger
HA02-110-13	Dasa d4

### Upper fixed delimiting knife

HA02-130-10	STD (casted knife)
HA02-130-12	LONG (25RH-II, welded steel)

### Connector block for hoses

HA02-150-11
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**Tilt frame**

HA02-160-10	STD: Rotator link upright when the head is in processing position.
HA02-160-11	ANGLED: Rotator link is upright when the head is in felling position.

**Color marking**

HA02-170-11

**Stump treatment**

HA02-180-11

**Control valve for rotator**

HA02-190-11	PROPO, proportional control
HA02-190-12	ON/OFF

**Top saw**

HA02-200-11

**Find end sensor**

HA02-210-11

**KESLA proAX**

HA02-215-11

**Spare hose kit**

HA02-220-11

**Spare parts kit**

HA02-230-11	STD kit (for a head with measuring wheel)
HA02-230-12	For head with length encoders in feed motors

**Tool kit**

HA02-240-11	KESLA special tool kit
HA02-240-12	Universal tool kit
HA02-240-13	KESLA special tool kit + Universal tool kit

**Rotator & link**

HA02-250-11	Black Bruin BBR15HD + link 250 mm w/ dual swing damper (#3160256)
HA02-250-13	Indexator AV 17 (#3160469) + link w/o swing damper (#90019958)
HA02-250-20	Indexator AV12S + link w/o swing damper
HA02-250-21	Indexator AV12S link w/ single swing damper S-80
HA02-250-22	Indexator AV12S + link w/ double swing damper S-80
HA02-250-23	Indexator AV12S + link w/ double swing damper S-100

**Control and Measuring System**

HA02-260-11	KESLA xLogger with Priority-Bucking software
HA02-260-12	KESLA proLOG
HA02-260-14	KESLA xLogger with Bucking-to-value software

**Installation kit for control and measuring system**

HA02-270-11

### Joystick grips

HA02-280-11

SUREGRIP with 2x10 buttons preset  
keypads

HA02-280-12

SUREGRIP with 1x10 buttons preset keypad