



## TECHNICAL DATA

### Measurements

Width, head open	1 160 mm
Width, head closed	870 mm
Weight (from)	560 kg
Height (in processing position)	1 240 mm
Length (in processing position)	1 185 mm
Optimal tree diameter	300 mm

### Delimiting

Number of delimiting knives	3+1
Max opening of front knives	480 mm
Diameter front knives tip-to-tip	330 mm

### Feeding

Type of feed	2WD
Diameter of feed rollers	350 mm
Max opening of feed rollers	420 mm

### Hydraulics

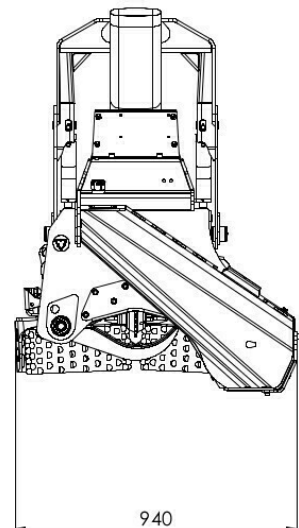
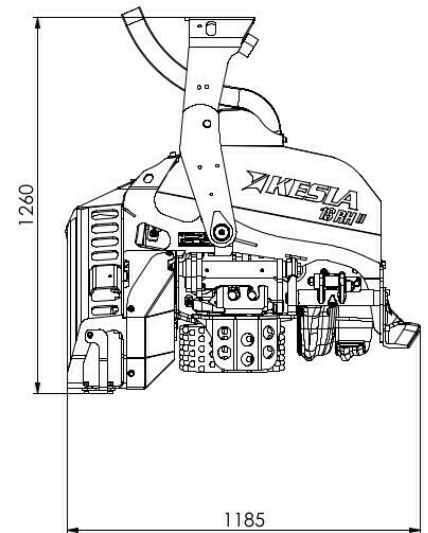
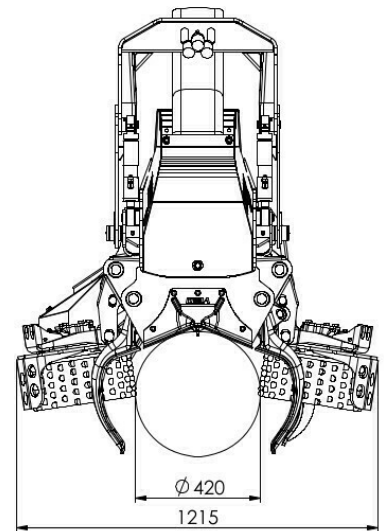
Recommended pressure min	210 bar
Max pressure	240 bar
Recommend oil flow min	150 l/min
Max oil flow	220 l/min

### Electronics

Voltage	24 V
Current	15 A

### Recommended base machine

Excavator min weight	7 t
Excavator max weight	10 t
Wheeled harvester min weight	7 t
Wheeled harvester max weight	12 t



## SAW AND FEEDMOTOR CONFIGURATION

### Chain Saw Options

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

Max cutting diameter	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 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	480 mm
Max guide bar length	59 cm
Chain pitch	0.404 "
Saw motor displacement	30 cc
Chain tightener	auto
Saw control	auto

**Feed Motor Options****Poclain 400cc**

Feed motor displacement	400 cc
Feed force	17.5 kN
Feed speed	5 m/s
Recommended flow	220 l/min
Recommended engine power min	77 kW

**Poclain 300cc**

Feed motor displacement	300 cc
Feed force	13.1 kN
Feed speed	5 m/s
Recommended flow	165 l/min
Recommended engine power min	58 kW

## OPTIONAL EQUIPMENT

### Control valve

HA04-030-10	STD (mechanical clamping pressure control)
HA04-030-11	KESLA proCON

### Saw bar pressure control

HA04-050-10	STD (Manual)
HA04-050-11	Proportional

### Chain oil pump

HA04-060-10	Fixed volume, hydraulic
HA04-060-11	KESLA Prolube, electric adjustable

### Feed roller

HA04-070-10	STD (KESLA steel rollers)
HA04-070-30	KESLA Multi stemming- rollers
HA04-070-50	Rollers with rubber cushion (MOIPU)
HA04-070-60	FINNSKOGSVALSEN
HA04-070-70	V-Tec

### Length measuring

HA04-090-10	STD (measuring roller, spring-loaded)
HA04-090-12	measuring roller KESLA HydCON
HA04-090-13	STD w/ wide sprocket
HA04-090-14	KESLA hydCON w/ wide sprocket

### Diameter measuring

HA04-100-10	No diameter measuring equipment installed
HA04-100-11	STD Analog sensor, current output (mA)
HA04-100-13	Analog sensor, voltage output (mV)

### Wire harness for control system

HA04-110-10	None
HA04-110-11	Motomit
HA04-110-12	KESLA proLOG or xLogger
HA04-110-13	Dasa d4

### Color marking

HA04-170-11

### Stump treatment

HA04-180-11

### Control valve for rotator

HA04-190-11	PROPO, proportional control
HA04-190-12	ON/OFF

**Control of rear knife 18RH-II**

HA04-195-10	No dedicated valve, control shared with front knives
HA04-195-11	Valve STD at place of hydCON-valve
HA04-195-12	Valve KESLA proCON at place of hydCON-valve
HA04-195-13	Valve STD at place of rotator valve
HA04-195-14	Valve KESLA proCON at place of rotator valve

**Spare hose kit**

HA04-220-11

**Spare parts kit**

HA04-230-11	STD kit (for a head with measuring wheel)
HA04-230-12	BASIC kit (w/o sensors)

**Tool kit**

HA04-240-11	KESLA special tool kit
HA04-240-12	Universal tool kit
HA04-240-13	KESLA special tool kit + Universal tool kit

**Rotator & link**

HA04-250-20	Indexator AV12S + link w/o swing damper
HA04-250-21	Indexator AV12S link w/ single swing damper S-80
HA04-250-22	Indexator AV12S + link w/ double swing damper S-80
HA04-250-23	Indexator AV12S + link w/ double swing damper S-100
HA04-250-30	Finnrotor FR23M + link 200 mm w/o swing damper
HA04-250-40	Indexator GV6 + link S80/45 w/ single swing damper
HA04-250-41	Indexator GV6 + link S80/45 w/ dual swing damper

**Control and Measuring System**

HA04-260-11	KESLA xLogger with Priority-Bucking software
HA04-260-12	KESLA proLOG
HA04-260-14	KESLA xLogger with Bucking-to-value software

**Installation kit for control and measuring system**

HA04-270-11

**Joystick grips**

HA04-280-11	SUREGRIP with 2x10 buttons preset keypads
HA04-280-12	SUREGRIP with 1x10 buttons preset keypad
HA04-280-15	SVAB grips