Epsilon X270 H100 strong timber crane





- Lifting moment: 360kNm gross, 250 kNm net
- Pivoting moment: 92 kNm gross
- 60kN telescope tension
- Range of approx. 10m
- Disengageable hydraulic parallel guide
- Protected hose and wire routing via joint and rotator
- Non-stop, rotating harvester head



HSM 405H





HSM Hohenloher Spezial-Maschinenbau GmbH & Co. KG

Technik die Freude macht.



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Im Greut 10





Technik die Freude macht.

405H1 8WD

405H2 8WD



Engine:

IVECO

- NEF 6 cyl. Common Rail Turbo / EuroMot TIER 4f
- 184 kW (250 DIN-PS) Engine output:
- · Max. rpm: 2200 rpm
- Torque: 1300 Nm at 1300 rpm
- Engine capacity: 6.7 liters

Transmission:

- hydrostatic-mechanical
- NAF 2-speed transfer gearbox

Axles:

- NAF balanced portal tandem axles
- at the front: 100 % selectable differential lock
- at the rear: 100 % selectable differential lock

Brake:

- 2-circuit brake, disk brakes running in an oil bath
- · Spring-loaded parking brake

Steering:

Articulated steering with 2 cylinders

• 2 steering cylinders, 52° steering angle

Tyres:

Size: Total width Series: 710/40-22.5 starting at 2700 mm

Diesel tank:

• 500 liters

Hydraulics:

· Load sensing

 Variable pump: 	1 x 145 cm ³ / 1 x 190 cm ³	
	Flow rate:	266 l/min at 1400 rpm
	Pressure:	up to 380 bar
Fixed displacement pump:		
	Flow rate:	15.4 I/min at 1400 rpm
	Pressure:	120 bar
 Hydraulic liquid: 	Saturated, synthetic ester	
	Panolin HLP SYNTH with Kleenoil	
	WGK 1 microfiltration	

Electrics:

- 24 V, 2 x 90 A alternator
- 2 maintenance-free dry-cell batteries, each with 75 Ah

Cabin:

- · Height-adjustable at the front / rear
- · Bent Lexan windscreen
- Windscreen wipers in the front and at the side
- ROPS, FOPS, OPS tested
- Tested safety cab
- air cushioned seat with seat heating
- Hot water heating
- Auxiliary heating with cooling water and hydraulic oil
- Sun blinds Air conditioner
- Height-adjustable and rotatable (270°)

Electrical system / Instruments:

- HSM Ecommand colour-display
- 5 operator programs + factory setting
- diagnosis-tool and error-indication
- graphic support at parameter editing
- generator 24 V, 90 A
- · Option: Remote service

Weight:

20500 kg (series)

Torsion lock:

• 2 hydraulic cylinders

Crane:

• Loglift L181 V100 10 m Range Gross lifting moment: 138 kNm Pivoting moment: 38.4 kNm

Aggregate:

 Logmax 4000B with Super Cut 	
Falling diameter:	500 mm
Delimbing diameter:	355 mm
Max. feed force:	19.5 kN
Max. feed force speed:	4.3 m/s
Max. operating pressure:	250 bar
Weight:	653 kg
Control: DASA	

· Other aggregates on request

Series equipment:

• 19 LED work lamps on the cab, 4 work lamps in front of the crane, voltage transformer, radio, fire extinguisher, first-aid kit, warning triangle, tool set, bypass filter Diesel fill pump, hydraulic fill pump, vacuum pump

Special accessories:

- GPS system
- · Data transfer and much more

205 4450

Engine:

IVECO

- NEF 6 cyl. Common Rail Turbo / EuroMot TIER 4f
- Engine output: 184 kW (250 DIN-PS)
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- Engine capacity: 6.7 liters

Transmission:

- hydrostatic-mechanical
- NAF 2-speed transfer gearbox

Axles:

- NAF balanced portal tandem axles
- at the front: 100 % selectable differential lock
- at the rear: 100 % selectable differential lock

Brake:

- 2-circuit brake, disk brakes running in an oil bath
- Spring-loaded parking brake

Steering:

- Articulated steering with 2 cylinders
- 2 steering cylinders, 52° steering angle

Tyres:

	Size:	Total width
Series:	710/45-22.5	2880 mm
Optional:	800/40-26.5	starting at 3180 mm
	600/55-26.5	starting at 2780 mm
	54 x 37-25	3520 mm

Diesel tank:

• 500 liters

Hydraulics:

Variable pump:

- Load sensing
 - 1 x 145 cm³ / 1 x 190 cm³ Flow rate: 469 l/min at 1400 rpm Pressure: up to 380 bar
- Fixed displacement pump: Flow rate: 15.4 l/min at 1400 rpm
- 120 bar Pressure: Hydraulic liquid: Saturated, synthetic ester Panolin HLP SYNTH with Kleenoil WGK 1 microfiltration

Electrics:

- 24 V, 2 x 90 A alternator
- · 2 maintenance-free dry-cell batteries, each with 75 Ah



Cabin:

- · Height-adjustable at the front / rear
- Bent Lexan windscreen
- Windscreen wipers in the front and at the side
- · ROPS, FOPS, OPS tested Tested safety cab
- air cushioned seat with seat heating
- Hot water heating
- Auxiliary heating with cooling water and hydraulic oil
- Sun blinds
- Air conditioner · Height-adjustable and rotatable (270°)

Electrical system / Instruments:

- HSM Ecommand colour-display
- 5 operator programs + factory setting
- diagnosis-tool and error-indication
- · graphic support at parameter editing
- generator 24 V, 90 A Option: Remote service

Weight:

• 21800 kg (series)

Torsion lock:

• 2 hydraulic cylinders

Crane:

• Loglift L220 V100 10 m Range: Gross lifting moment: 188 kNm Pivoting moment: 43.6 kNm

Aggregate:

Logmax 6000	
Felling diameter:	650 mm
Delimbing diameter:	500 mm
Gross lifting moment:	26.9 kN
Max. feed force speed:	5.2 m/s
Max. operating pressure:	280 bar
Control: DASA	

· Other aggregates on request

Series equipment:

• 19 LED work lamps on the cab, 4 work lamps in front of the crane, voltage transformer, radio, fire extinguisher, first-aid kit, warning triangle, tool set, bypass filter Diesel fill pump, hydraulic fill pump, vacuum pump

Special accessories:

- · GPS system
- Data transfer and much more

Engine: IVECO

- NEF 6 cyl. Common Rail Turbo / EuroMot TIER 4f
- 184 kW (250 DIN-PS) Engine output:
- 2200 rpm • Max. rpm:
- 1300 Nm at 1300 rpm
- Torque: Engine capacity: 6.7 liters

Transmission:

- hydrostatic-mechanical
- NAF 2-speed transfer gearbox

Axles:

- NAF balanced portal tandem axles
- at the front: 100 % selectable differential lock
- at the rear: 100 % selectable differential lock

Brake:

- 2-circuit brake, disk brakes running in an oil bath
- Spring-loaded parking brake

Steering:

- Articulated steering with 2 cylinders
- 2 steering cylinders, 52° steering angle

Tyres:

	Size:	Total width
 Series: 	710/45-26.5	starting at 2920 mm
 Optional: 	800/40-26.5	starting at 3180 mm
	600/55-26.5	starting at 2780 mm

Diesel tank:

• 500 liters

Hydraulics:

- Load sensing
- Variable pump: 1 x 145 cm³ / 1 x 190 cm³ 469 l/min at 1400 rpm Flow rate: up to 380 bar Pressure: · Fixed displacement pump: 15.4 l/min at 1400 rpm Flow rate:
- Pressure: 120 bar Hydraulic liquid: Saturated, synthetic ester Panolin HLP SYNTH with Kleenoil WGK 1 microfiltration

Electrics:

- 24 V, 2 x 90 A alternator
- 2 maintenance-free dry-cell batteries, each with 75 Ah

Cabin:

- Height-adjustable at the front / rear
- · Bent Lexan windscreen
- Windscreen wipers in the front and at the side
- ROPS, FOPS, OPS tested
- Tested safety cab
- air cushioned seat with seat heating
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- Auxiliary heating with cooling water and hydraulic oil
- Sun blinds
- Air conditioner
- Height-adjustable and rotatable (270°)

Electrical system / Instruments:

- HSM Ecommand colour-display
- 5 operator programs + factory setting
- diagnosis-tool and error-indication
- graphic support at parameter editing
- generator 24 V, 90 A
- · Option: Remote service

Weight:

• 23600 kg (series)

Torsion lock:

· 2 hydraulic cylinders

Crane:

• Loglift L280 V110 Range: 11 m Gross lifting moment: 280 kNm Pivoting moment: 65.0 kNm (Swivel gear drive for hydromotor)

Aggregate:

 Logmax 6000 		
Felling diameter:	650 mm	
Delimbing diameter:	500 mm	
Gross lifting moment:	26.9 kN	
Max. feed force speed:	5.2 m/s	
Max. operating pressure:	280 bar	
Control: DASA		

· Other aggregates on request

Series equipment:

• 19 LED work lamps on the cab, 4 work lamps in front of the crane, voltage transformer, radio, fire extinguisher, first-aid kit, warning triangle, tool set, bypass filter Diesel fill pump, hydraulic fill pump, vacuum pump

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405H3 8WD

