

# HSM 405H1 6WD



### Engine:

- IVECO
- NEF 6 Zyl. Common Rail Turbo/ EuroMot TIER3
- Power: 175 kW / 238 HP
- max. revolution: 2200 rpm
- max. torque: 1020 Nm at 1500 rpm
- Displacement: 6,7 Liter

### Power Train:

- Hydrostatic-mechanically
- Elektronik control CMC
- NAF 2-speed transfer case
- Traction force 140 kN

### Axles:

- Front: NAF Planetary-Bogie-Axle  
Switchable differential lock 100%
- Rear: NAF Planetary-Axle  
Switchable differential lock 100%

### Brake:

- Brake with 2-circles, oil-cooled multiple-disc powerbrake
- Spring-loaded power parking-brake

### Steering:

- Articulated frame steering
- 2 steering cylinders
- Steering angle 52°

### Tires:

- |                 | Size:       | Overall width |
|-----------------|-------------|---------------|
| • Serial: front | 710/40-22,5 | ab 2700 mm    |
| • Optional:     | 600/50-22,5 | ab 2500 mm    |
| • Serial: rear  | 650/60-26,5 | ab 2600 mm    |
| • Optional:     | 710/45-26,5 | ab 2700 mm    |

### Fuel-Tank:

- Capacity: 460 Liter

### Hydraulic system:

- Load Sensing
- Variable pump: 1 x 190 ccm  
Pump flow: 266 l/min at 1400 rpm  
Pressure: up to max. 380 bar
- Gear pump:  
Pump flow: 15,4 l/min at 1400 rpm  
Pressure: 120 bar
- Tank: 240 Liter
- Hydraulikoil: unsaturated, synthetic ester  
Panolin HLP SYNTH mit Kleenoil  
Microfiltration WGK 1
- Valve-block: Danfoss PVG 32
- Crane-control: Digital electronics CMC with individual  
ajustable speed and ramptimes, 5 driver  
programs

### Elektrical system:

- Generator 24V, 2 x 90A
- 2 service-free dry batteries each with 75Ah

### Cabin:

- Tilttable cabin forward / reverse
- Curved windscreen Lexan
- Protection tested conforming with ROPS ISO 8082
- Wiper in front and on the side
- Comfortable, air cushioned seat
- Warm water heater
- Air-conditioning

### Gauges:

- Fuel-Tank gauges, cooling water temperature, alphanumeric display for rpm, speed, hydraulic oil-temperature, as well as all process data for driving and working hydraulics, warning overhead engine

### Weight:

- 16000 kg (serial)

### Central oszillation lock:

- 2 Hydraulic cylinders

### Crane:

- |                      |          |
|----------------------|----------|
| • Loglift L181 V100  |          |
| Reach                | 10 m     |
| Lifting moment gross | 138 kNm  |
| Slewing torque       | 38,4 kNm |

### Harvester Head:

- |                         |         |
|-------------------------|---------|
| • Serial:               |         |
| CTL 453                 |         |
| Felling diameter        | 530 mm  |
| Delimiting diameter     | 450 mm  |
| Feed force              | 20 kN   |
| Feed speed              | 4,5 m/s |
| Operating pressure max. | 230 bar |
| Weight                  | 650 kg  |

Alternate harvester heads on request.

### Control system:

- |            |            |
|------------|------------|
| • Serial   | Motomit IT |
| • Optional | Motomit PC |
|            | DASA 4     |

### Standard equipment:

- 19 x spotlamps Twin Power each 2x70W mounted on cabin, 4 spotlamps in front of crane, potential transformer, radio, fire extinguisher, first-aid box, warning triangle, tool kit, bypass-filter, refueling pumps for fuel and hydraulic oil, vacuum pump, Bogielift

### Special equipment:

- Sun-blind, independent vehicle heater, GPS-system, data transfer

Technical subject to change  
April 2008  
P-Nr: 405H1-6WD-engl-TB003

