



DATA SHEET

Locatelli GRIL 830 C rough terrain crane

general data:

- max negotiable gradient
at stall (theoretical): 94 %
unloading (operating): 40 %
- approx. weight in travel order
total: 24.000 kg
on front axle: 12.000 kg
on rear axle: 12.000 kg
- turning radius
2 wheel steer: 9,80 m
4 wheel steer: 5,90 m

performances:

- hoisting max. pull: Kn 39,2
- two speeds
normal: m/min. 0-45
fast: m/min. 0-90
- boom elevation
maximum to minimum radius: sec. 34
minimum to maximum radius: sec. 38
- boom telescoping speed: m/min 19
- slewing speed: rpm/min 2.2
- travelling speed on the road: km/h 40

chassis:

- **frame**
heavy duty, all welded box type section frame integral with outrigger housing.
- **outriggers**
Four independent hydraulically operated telescopic outrigger beams with vertical hydraulic jacks. Electro-hydraulic controls with partial extension facility.

Managing Director : Head office :
Geschäftsführer CPS GmbH
Saleh Nofal Lichgasse 12 a
D- 53639 Königswinter

Telephone : (0 22 44) 8 11 87
E-mail : CPS-Koenigswinter@t-online.de

Telefax : (0 22 44) 49 98
Internet : www.CPS-Koenigswinter.de

Steuernummer : 222/5702/0337
Zollnummer : 5112001
USt-IdNr.: DE 123 369 977
Bank Details : Commerzbank AG
Sorting Code 380 400 07
Account No. 1011410
Swift COBA DE FF 380
IBAN: DE59 3804 0007 0101 1410 00

Deutsche Bank AG
Sorting Code 380 700 59
Account No. 0249342
Swift DEUT DE DK 380
IBAN: DE17 3807 0059 0024 9342 00



- **engine**
Caterpillar Acert C6.6, six cylinders turbocharged intercooler diesel engine, electronically controlled and water cooled..
Max. power 116,5 kW at 2.200 rpm. Max torque 683 Nm at 1.400 rpm. Dry type air cleaner with safety cartridge and service indicator. Fuel tank capacity 200 lt.
- **transmission and torque converter**
Engine mounted torque converter driving an electro-hydraulically controlled powershift transmission having 6 forward and 6 reverse speeds.
- **hydraulic pumps**
Gear-type hydraulic four pump system, one three section one single, driven from power-take-offs mounted on torque converter and engine. Total delivery 400l/min. Oil tank capacity 430 l.
- **axles**
Front: driving/steering axle with differential and planetary reduction solidly mounted to frame.
Rear: driving/steering axle with differential and planetary reduction, pivot mounted to allow axle oscillation for rough terrain travel. Automatic hydraulically operated rear axle oscillation lockout.
- **steering**
Front: hydraulically powered steering controlled by steering wheel.
Rear: independent hydraulically powered steering with rear wheel alignment indicator. Four steering modes available: only front wheels, only rear wheels, coordinated and crab steering. Positive lock to hold rear wheels in center line for road travel.
- **brakes:**
Service and emergency: compressed air over hydraulic pressure dual independent braking system foot operated on all wheels. Parking: spring applied and air released brake actuator acting on front axle.
- **tyres:**
14.00 x 24 – earthmover-type. Single mounted front and rear.
- **electrical equipment:**
24 V starting and lighting equipment according to CE traffic regulations.
- **safety devices:**
Overhoist and overlower limit switches; lock valves fitted on all cylinders, overload valves on all hydraulic circuits.

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