Technical sheet :

# MLT 630-105 V CP ST4




MANITOU
HANDLING YOUR WORLD

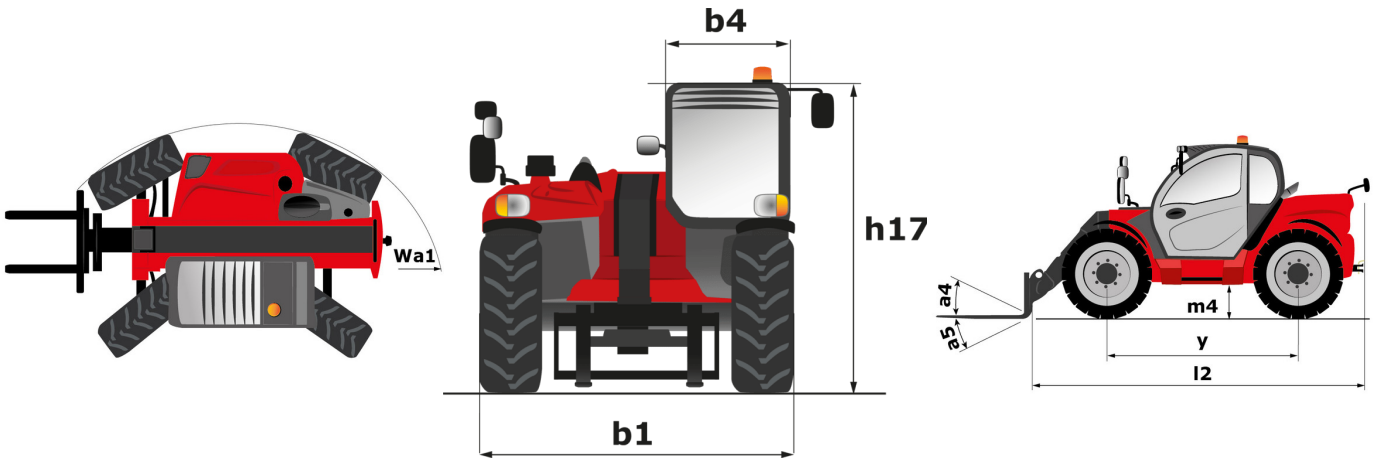
| Capacities | | Metric | Imperial |
|---|---|---|---|
| Max. capacity | Q | 3000 kg | 6614 lb |
| Max. lifting height | h3 | 6 m | 19 ft 8 in |
| Max. outreach | | 3.43 m | 11 ft 3 in |
| Reach at max. height | | 0.90 m | 2 ft 11 in |
| Breakout force with bucket | | 5840 daN | 5840 daN |
| **Weight and dimensions** | | | |
| Unladen weight (with forks) | | 6760 kg | 14903 lb |
| Ground clearance | m4 | 0.28 m | 11 in |
| Wheelbase | y | 2.69 m | 8 ft 10 in |
| Overall length to carriage (with hitch) | l11 | 4.78 m | 15 ft 8 in |
| Front overhang | | 1.25 m | 4 ft 1 in |
| Overall width | b1 | 2.06 m | 6 ft 9 in |
| Overall cab width | b4 | 0.95 m | 3 ft 1 in |
| Overall height | h17 | 2.14 m | 7 ft |
| Tilt-down angle | a5 | 133 ° | 133 ° |
| Tilt-up angle | a4 | 13 ° | 13 ° |
| External turning radius (over tyres) | Wa1 | 3.65 m | 12 ft |
| Standard tires | | Alliance - A580 - 400/70 R20 149A8 | Alliance - A580 - 400/70 R20 149A8 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| **Performances** | | | |
| Lifting | | 6.50 s | 6.50 s |
| Lowering | | 5 s | 5 s |
| Extension | | 5.40 s | 5.40 s |
| Retraction | | 3 s | 3 s |
| Crowd | | 3.40 s | 3.40 s |
| Dump | | 2.70 s | 2.70 s |
| **Engine** | | | |
| Engine brand | | Deutz | Deutz |
| Engine norm | | Stage IV | Stage IV |
| Engine model | | TCD 3,6 l | TCD 3,6 l |
| Number of cylinders - Capacity of cylinders | | 4 - 3621 cm³ | 4 - 221 in³ |
| I.C. Engine power rating / Power | | 101 Hp / 74.40 kW | 101 Hp / 74.40 kW |
| Max. torque / Engine rotation | | 410 Nm @1600 rpm | 302 ft/lbs @1600 rpm |
| Drawbar pull (Laden) | | 6540 daN | 6540 daN |
| Reversible fan | | Standard | Standard |
| Engine cooling system | | 3 radiators water + intercooler + hydraulic oil | 3 radiators water + intercooler + hydraulic oil |
| **Transmission** | | | |
| Transmission type | | M-Varioshift | M-Varioshift |
| Number of gears (forward / reverse) | | 2 / 2 | 2 / 2 |
| Max. travel speed (may vary according to applicable regulations) | | 38 km/h | 24 mph |
| Differential lock | | Limited slip differential on front axle | Limited slip differential on front axle |
| Parking brake | | Manual | Manual |
| Service brake | | Oil-Immersed multi-discs braking on front axles | Oil-Immersed multi-discs braking on front axles |
| **Hydraulics** | | | |
| Hydraulic pump type | | Gear pump | Gear pump |
| Hydraulic flow - Pressure | | 104 l/min - 250 bar | 27 US gpm - 3626 PSI |
| Flow sharing distributor | | Option | Option |
| **Tank capacities** | | | |
| Hydraulic oil | | 94 l | 25 US gal |
| Fuel tank | | 78 l | 21 US gal |
| Diesel Exhaust fluid (AdBlue® type) | | 13 l | 3 US gal |
| **Noise and vibration** | | | |
| Noise at driving position (LpA) tested following NF EN 12053 norm | | 74 dB | 74 dB |
| Environmental noise (LwA) | | 105 dB | 105 dB |
| Vibration to whole hand/arm | | < 2.50 m/s² | < 2.50 m/s² |
| **Miscellaneous** | | | |
| Tractor homologation | | Tractor homologation | Tractor homologation |
| Safety cab homologation | | ROPS - FOPS level 2 cab | ROPS - FOPS level 2 cab |
| Controls | | JSM | JSM |

# Options / Finishing

S : Standard / O : Optional / - : Not available

| | Classic | Premium | Elite |
|---|---|---|---|
| **Lifting function** | | | |
| Boom suspension | - | S/O** | O |
| Easy Connect System (ECS) | S | S | S |
| Electrovalve for 2 hydraulic functions (on boom head) | O | O | O |
| Hydraulic attachment locking | O | O | O |
| Return pipe to hydraulic oil tank | O | O | O |
| **Operator station** | | | |
| "Active CRC" boom suspension | O | O | S |
| Air conditioning with automatic adjustment | O | - | S |
| Air conditioning with manual adjustment | O | S/O** | - |
| Air suspension cloth-covered seat | O | S | - |
| Automatic wheel alignment | O | O | S |
| Bluetooth USB car radio with extra microphone (100 W) | O | O | S |
| Bluetooth USB car radio with integrated microphone (100 W) | O | S | - |
| Electric mirror with de-icing | O | O | S |
| Extra front wiper | O | S | S |
| Harmony screen | S | S | - |
| Low frequency air suspension cloth-covered seat (GRAMMER) | - | O | - |
| Low frequency pneumatic cloth seat | O | - | - |
| Low frequency pneumatic cloth seat with heating (KAB) | - | - | S |
| Mechanical cloth-covered seat | S | - | - |
| Tuner car radio (50 W) | S | - | - |
| Vision screen 7" | O | O | S |
| **Motorization/Power** | | | |
| Continuous flow hydraulics | O | O | S |
| Hand throttle | O | O | S |
| **Secondary functions** | | | |
| Additional fuel tank (25 l) | - | S | S |
| Automatic rotating towing hitch | O | O | O |
| Hydraulic pick-up hitch | O | O | O |
| Hydraulic trailer brake | S | S/O** | S |
| Ladder hitch with choice of hooks | O | O | O |
| Manual rotating towing hitch | S | S | S |
| **Lighting** | | | |
| Flat grid on the roof | O | O | O |
| Front and rear LED work lights on cab (x4 : 2 front + 2 rear) | O | S | S |
| Front and rear work lights on cab (x4) | S | - | - |
| LED + (4 additional work lights) | O | O | O |

## MLT 630-105 V CP ST4 - Dimensional drawing



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