

Technical sheet :

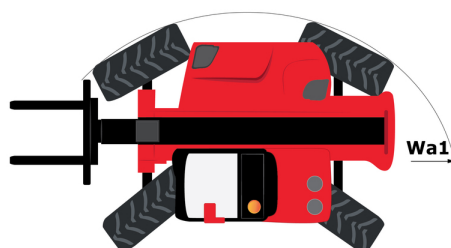
MLT-X 961-145 V+ L



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|-----|--|--|
| Max. capacity | Q | 6000 kg | 13228 lb |
| Max. lifting height | h3 | 9 m | 29 ft 6 in |
| Max. outreach | | 5.30 m | 17 ft 5 in |
| Reach at max. height | | 1.10 m | 3 ft 7 in |
| Breakout force with bucket | | 7300 daN | 7300 daN |
| Weight and dimensions | | | |
| Unladen weight (with forks) | | 11800 kg | 26015 lb |
| Ground clearance | m4 | 0.45 m | 1 ft 6 in |
| Wheelbase | y | 3 m | 9 ft 10 in |
| Overall length to carriage (with hitch) | l11 | 6.10 m | 20 ft |
| Front overhang | | 1.65 m | 5 ft 5 in |
| Overall width | b1 | 2.48 m | 8 ft 2 in |
| Overall cab width | b4 | 1 m | 3 ft 3 in |
| Overall height | h17 | 2.53 m | 8 ft 4 in |
| Tilt-down angle | a5 | 138 ° | 138 ° |
| Tilt-up angle | a4 | 12 ° | 12 ° |
| External turning radius (over tyres) | Wa1 | 4.30 m | 14 ft 1 in |
| Standard tires | | Alliance - A580 - 500/70 R24 164A8 | Alliance - A580 - 500/70 R24 164A8 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Performances | | | |
| Lifting | | 8.50 s | 8.50 s |
| Lowering | | 6.50 s | 6.50 s |
| Extension | | 7 s | 7 s |
| Retraction | | 6 s | 6 s |
| Crowd | | 3.80 s | 3.80 s |
| Dump | | 3.60 s | 3.60 s |
| Engine | | | |
| Engine brand | | John Deere | John Deere |
| Engine norm | | Stage IIIA | Stage IIIA |
| Engine model | | PWL 4045 | PWL 4045 |
| Number of cylinders - Capacity of cylinders | | 4 - 4500 cm³ | 4 - 275 in³ |
| I.C. Engine power rating / Power | | 141 Hp / 104 kW | 141 Hp / 104 kW |
| Max. torque / Engine rotation | | 540 Nm @1600 rpm | 398 ft/lbs @1600 rpm |
| Drawbar pull (Laden) | | 9300 daN | 9300 daN |
| Reversible fan | | Standard | Standard |
| Engine cooling system | | 3 radiators water + intercooler + hydraulic oil | 3 radiators water + intercooler + hydraulic oil |
| Transmission | | | |
| Transmission type | | M-Vario Plus | M-Vario Plus |
| Max. travel speed (may vary according to applicable regulations) | | 40 km/h | 25 mph |
| Parking brake | | Automatic negative parking brake | Automatic negative parking brake |
| Service brake | | Oil-immersed multi-discs braking on front & rear axles | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics | | | |
| Hydraulic pump type | | Variable displacement pump | Variable displacement pump |
| Hydraulic flow - Pressure | | 200 l/min - 270 bar | 53 US gpm - 3916 PSI |
| Flow sharing distributor | | Standard | Standard |
| Tank capacities | | | |
| Hydraulic oil | | 153 l | 40 US gal |
| Fuel tank | | 135 l | 36 US gal |
| Noise and vibration | | | |
| Noise at driving position (LpA) tested following NF EN 12053 norm | | 72 dB | 72 dB |
| Noise to environment (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 |

MLT-X 961-145 V+ L - Dimensional drawing





Head Office

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



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