Technical sheet :

## MLT 737-730 PS+ ST4



Coy MANITOU

| Capacities |  | Metic | Imperial |
| :---: | :---: | :---: | :---: |
| Max. capacity | Q | 3700 kg | 8157 lb |
| Max. lifting height | h3 | 6.90 m | 22 ft 8 in |
| Max. outreach |  | 3.90 m | 12 ft 10 in |
| Reach at max. height |  | 1 m | 3 ft 3 in |
| Breakout force with bucket |  | 5520 daN | 5520 daN |
| Weight and dimensions |  |  |  |
| Unladen weight (with forks) |  | 7700 kg | 16976 lb |
| Ground clearance | m4 | 0.41 m | 1 ft 4 in |
| Wheelbase | y | 2.81 m | 9 ft 3 in |
| Overall length to carriage (with hitch) | 111 | 4.97 m | 16 ft 4 in |
| Front overhang |  | 1.21 m | 4 ft |
| Overall width | b1 | 2.39 m | 7 ft 10 in |
| Overall cab width | b4 | 0.95 m | 3 ft 1 in |
| Overall height | h17 | 2.38 m | 7 ft 10 in |
| Tilt-down angle | a5 | $134{ }^{\circ}$ | $134{ }^{\circ}$ |
| Tilt-up angle | a4 | $12^{\circ}$ | $12^{\circ}$ |
| External tuming radius (over tyres) | Wa1 | 3.92 m | 12 ft 10 in |
| Standard tires |  | Alliance - A580-460/70 R24 159A8 | Alliance - A580-460/70 R24 159A8 |
| Drive wheels (front / rear) |  | $2 / 2$ | $2 / 2$ |
| Steering wheels (front / rear) |  | $2 / 2$ | $2 / 2$ |
| Performances |  |  |  |
| Lifting |  | 7.60 s | 7.60 s |
| Lowering |  | 5.40 s | 5.40 s |
| Extension |  | 7.80 s | 7.80 s |
| Retraction |  | 5.90 s | 5.90 s |
| Crowd |  | 3.80 s | 3.80 s |
| Dump |  | 3 s | 3 s |
| Engine |  |  |  |
| Engine brand |  | Deutz | Deutz |
| Engine norm |  | Stage IV | Stage IV |
| Engine model |  | TCD 3.61 | TCD 3.61 |
| Number of cylinders - Capacity of cylinders |  | $4-3621 \mathrm{~cm}^{3}$ | 4-221 $\mathrm{in}^{3}$ |
| I.C. Engine power rating / Power |  | $129 \mathrm{Hp} / 95 \mathrm{~kW}$ | $129 \mathrm{Hp} / 95 \mathrm{~kW}$ |
| Max. torque / Engine rotation |  | 500 Nm @1600 rpm | $369 \mathrm{ft} / \mathrm{lbs}$ @1600 rpm |
| Drawbar pull (Laden) |  | 7900 daN | 7900 daN |
| Reversible fan |  | Standard | Standard |
| Engine cooling system |  | 4 radiators (water + intercooler + hydraulic oil + transmission oil) | 4 radiators (water + intercooler + hydraulic oil + transmission oil) |
| Transmission |  |  |  |
| Transmission type |  | Torque converter | Torque converter |
| Gearbox |  | Powershift Plus (M-Shift) | Powershift Plus (M-Shift) |
| Number of gears (forward / reverse) |  | $6 / 3$ | $6 / 3$ |
| Max. travel speed (may vary according to applicable regulations) |  | $40 \mathrm{~km} / \mathrm{h}$ | 25 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 \& rear axles | Oil-immersed multi-discs braking on front \& rear axles |
| Hydraulics |  |  |  |
| Hydraulic pump type |  | Variable displacement pump | Variable displacement pump |
| Hydraulic flow - Pressure |  | $150 \mathrm{l} /$ min - 270 bar | 40 US gpm - 3916 PSI |
| Flow sharing distributor |  | Standard | Standard |
| Tank capacities |  |  |  |
| Hydraulic oil |  | 1351 | 36 US gal |
| Fuel tank |  | 1201 | 32 US gal |
| Diesel Exhaust fluid (AdBlue® type) |  | 101 | 3 US gal |
| Noise and vibration |  |  |  |
| Noise at driving position (LpA) tested following NF EN 12053 norm |  | 73 dB | 73 dB |
| Noise to environment (LwA) |  | 105 dB | 105 dB |
| Vibration to whole hand/arm |  | $<2.50 \mathrm{~m} / \mathrm{s}^{2}$ | $<2.50 \mathrm{~m} / \mathrm{s}^{2}$ |
| 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 / 0: Optional / - : Not available

|  | Classic |
| :---: | :---: |
| Lifting function |  |
| Easy Connect System (ECS) | S |
| Electrovalve for 2 hydraulic functions (on boom head) | 0 |
| Hydraulic attachment locking | 0 |
| Intelligent hydraulics | 0 |
| Regenerative Hydraulics | 0 |
| Return pipe to hydraulic oil tank | 0 |
| Operator station |  |
| "Active CRC" boom suspension | 0 |
| Air conditioning with automatic adjustment | 0 |
| Air conditioning with manual adjustment | 0 |
| Air suspension cloth-covered seat | 0 |
| Air suspension cloth-covered seat (GRAMMER) | 0 |
| Automatic wheel alignment | 0 |
| Bluetooth USB car radio with extra microphone (100 W) | 0 |
| Bluetooth USB car radio with integrated microphone (100 W) | 0 |
| Electric mirror with de-icing | 0 |
| Extra front wiper | 0 |
| Harmony screen | S |
| Lateral wiper | S |
| Low frequency air suspension cloth-covered seat (GRAMMER) | - |
| Low frequency air suspension cloth-covered seat with heating | 0 |
| Mechanical cloth-covered seat (GRAMMER) | S |
| Tuner car radio (50 W) | S |
| Vision screen 7" | 0 |
| Motorization/Power |  |
| Continuous flow hydraulics | 0 |
| Hand throttle | 0 |
| Self cleaning air prefilter | S |
| Secondary functions |  |
| 1 pair of pre-fitted Double Action rear hydraulic couplers | 0 |
| Additional fuel tank | 0 |
| Additional fuel tank (25I) | 0 |
| Automatic rotating towing hitch on counterweight | 0 |
| Hydraulic pick-up hitch | 0 |
| Hydraulic trailer brake | S |
| Ladder hitch with choice of hooks | 0 |
| Manual rotating towing hitch | S |
| Lighting |  |
| Boom Work Lights (on fixed part) (x2) | 0 |
| Front and rear LED work lights on cab ( $\mathrm{x} 4: 2$ front +2 rear) | 0 |
| Front and rear work lights on cab ( x 4 ) | S |
| LED + (4 additional work lights) | 0 |
| Security |  |
| Audio warning on reverse | 0 |


| Premium | Elite |
| :---: | :---: |
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MLT 737-130 PS+ ST4 - Dimensional drawing


Machine on tyres with forks Metric


Machine on tyres with forks Imperial


# E0)MANTUU HANDLING YOUR WORLD 

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