

Technical sheet :

# **220 TJ ST5**

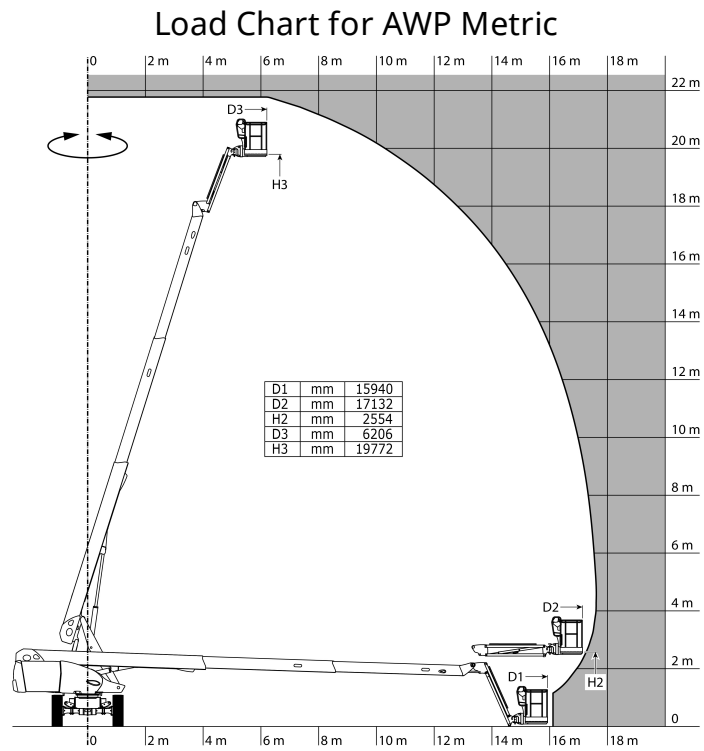
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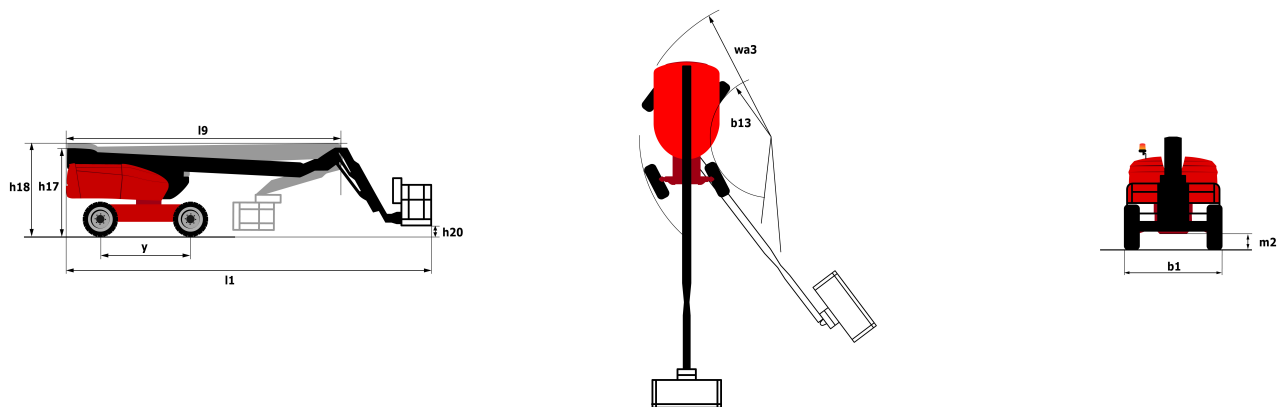
| Capacities                               |         | Metric                                                                                                         | Imperial                                                                                                       |
|------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Working height                           | h21     | 21.77 m                                                                                                        | 71 ft 5 in                                                                                                     |
| Platform height*                         | h7      | 19.77 m                                                                                                        | 64 ft 10 in                                                                                                    |
| Max. outreach                            | l4      | 17.63 m                                                                                                        | 57 ft 10 in                                                                                                    |
| Pendular arm rotation (top / bottom)     |         | 69 ° / -66 °                                                                                                   | 69 ° / -66 °                                                                                                   |
| Platform capacity                        | Q       | 230 kg                                                                                                         | 507 lbs                                                                                                        |
| Turret rotation                          |         | 360 °                                                                                                          | 360 °                                                                                                          |
| Platform rotation (right / left)         |         | 90 ° / 90 °                                                                                                    | 90 ° / 90 °                                                                                                    |
| Number of people (inside / outside)      |         | 2 / 2                                                                                                          | 2 / 2                                                                                                          |
| Weight and dimensions                    |         |                                                                                                                |                                                                                                                |
| Platform weight*                         |         | 11850 kg                                                                                                       | 26125 lbs                                                                                                      |
| Platform dimensions (length x width)     | lp / ep | 2.1 m x 0.8 m                                                                                                  | 6 ft 11 in x 2 ft 7 in                                                                                         |
| Overall width                            | b1      | 2.48 m                                                                                                         | 8 ft 2 in                                                                                                      |
| Overall length                           | l1      | 9.8 m                                                                                                          | 32 ft 2 in                                                                                                     |
| Overall height                           | h17     | 2.66 m                                                                                                         | 8 ft 9 in                                                                                                      |
| Overall length (stowed)                  | l9      | 7.29 m                                                                                                         | 23 ft 11 in                                                                                                    |
| Overall height (stowed)                  | h18     | 2.72 m                                                                                                         | 8 ft 11 in                                                                                                     |
| Floor height (access)                    | h20     | 0.39 m                                                                                                         | 1 ft 3 in                                                                                                      |
| Jib length                               | l13     | 2 m                                                                                                            | 6 ft 7 in                                                                                                      |
| Counterweight offset (turret at 90°)     | a7      | 1.35 m                                                                                                         | 4 ft 5 in                                                                                                      |
| Internal turning radius (over tyres)     | b13     | 2.96 m                                                                                                         | 9 ft 9 in                                                                                                      |
| Outer turning radius                     | Wa3     | 6.19 m                                                                                                         | 20 ft 4 in                                                                                                     |
| Ground clearance at centre of wheelbase  | m2      | 0.44 m                                                                                                         | 1 ft 5 in                                                                                                      |
| Wheelbase                                | y       | 2.8 m                                                                                                          | 9 ft 2 in                                                                                                      |
| Performances                             |         |                                                                                                                |                                                                                                                |
| Drive speed - stowed                     |         | 4.4 km/h                                                                                                       | 2.7 mph                                                                                                        |
| Drive speed - raised                     |         | 1 km/h                                                                                                         | 0.6 mph                                                                                                        |
| Gradeability                             |         | 40 %                                                                                                           | 40 %                                                                                                           |
| Permissible leveling                     |         | 4 °                                                                                                            | 4 °                                                                                                            |
| Wheels                                   |         |                                                                                                                |                                                                                                                |
| Tyres type                               |         | Solid Tyres Cured-On                                                                                           | Solid Tyres Cured-On                                                                                           |
| Dimensions of front wheels / rear wheels |         | 1025 x 365 - 1025 x 365                                                                                        | 1025 x 365 - 1025 x 365                                                                                        |
| Drive wheels (front / rear)              |         | 2 / 2                                                                                                          | 2 / 2                                                                                                          |
| Steering wheels (front / rear)           |         | 2 / 0                                                                                                          | 2 / 0                                                                                                          |
| Braking wheels (front / rear)            |         | 0 / 2                                                                                                          | 0 / 2                                                                                                          |
| Engine/Battery                           |         |                                                                                                                |                                                                                                                |
| Engine brand / model / norm              |         | Kubota - 3TNV88C - Stage 5                                                                                     | Kubota - 3TNV88C - Stage 5                                                                                     |
| I.C. Engine power rating / Power (kW)    |         | 36.2 Hp / 27.5 kW                                                                                              | 36.2 Hp / 27.5 kW                                                                                              |
| Miscellaneous                            |         |                                                                                                                |                                                                                                                |
| Ground Pressure                          |         | 18.2 daN/cm²                                                                                                   | 18.2 daN/cm²                                                                                                   |
| Hydraulic Pressure                       |         | 340 Bar                                                                                                        | 23 PSI                                                                                                         |
| Hydraulic tank capacity                  |         | 94 l                                                                                                           | 20.68 gal                                                                                                      |
| Fuel tank                                |         | 72 l                                                                                                           | 15.84 gal                                                                                                      |
| Noise to environment (LwA)               |         | 105 dB(A)                                                                                                      | 105 dB(A)                                                                                                      |
| Vibration on hands/arms                  |         | 0.5 Nm                                                                                                         | 1.64 ft/s                                                                                                      |
| Standards compliance                     |         |                                                                                                                |                                                                                                                |
| This machine is in compliance with:      |         | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) |

\*Varies according to options and standards of the country to which the machine is delivered

# Load chart



## Dimensional drawing



## Equipment

### Standard

230V Predisposition  
 4 simultaneous movements  
 4 wheel drive  
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)  
 Backup electrical pump  
 Connected machine  
 Continuous turret rotation  
 Differential locking on rear axle  
 Easy Manager  
 Easy fast slinging system  
 Electronic platform compensation  
 Emergency stop button in platform and on frame  
 Engine mounted on sliding platform  
 Engine with DPF  
 Front axle with limited slip  
 Fuel gauge with low level indicator  
 Fully galvanized basket with demountable floor  
 Hour meter  
 Integrated diagnostic assistance  
 LED rotating beacon  
 LS pump  
 Leveling unlocking  
 Oscillating front axle  
 Proportional controls  
 Stop & Go system

### Optional

110 or 230V plug with differential circuit breaker  
 Access control keypad for easy link  
 Air predisposition  
 Battery blanket  
 Battery cut-off  
 Beep on every movement  
 Beep upon travel  
 Biodegradable oil

| Optional                                    |
|---------------------------------------------|
| Engine Block Heater                         |
| Exhaust purifier                            |
| Extreme cold oil                            |
| Galvanized basket 2,100 mm                  |
| Hydraulic oil heater                        |
| Key lock on fuel tank                       |
| Non-marking tyres                           |
| Onboard generator (3,5 or 5 kW)             |
| Personalized paintwork                      |
| Remote control                              |
| SPS : Secondary protection system           |
| Safety harness                              |
| Safety kit (Harness + helmet)               |
| Safety valve                                |
| Screen protection on the lower box control  |
| Socket 230 V + differential circuit breaker |
| Spark arrester                              |
| Turret cover with key lock                  |
| Turret orientation information              |
| Water predisposition                        |
| Working light                               |



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