

8.2 OPERATING SPECIFICATIONS

Table 8-1. Operating Specifications And Dimensions

	TOUCAN 800 A	TOUCAN 800 A	TOUCAN 800 DI	TOUCAN 870	TOUCAN 870
Platform Size	700 x 900	1010 x 900	1300 x 900	700 x 900	1010 x 900
Maximum Work Load	200 kg (2 persons + 40 kg material)			220 kg (2 persons + 60 kg material)	200 kg (2 persons + 40 kg material)
Slewing	360° non-continuous			180°	
Max. Platform Height	6.10 m			6.72 m	
Horizontal Reach (from centerline of machine)	1.89 m	2.19 m	2.40 m	2.64 m	2.96 m
(from rear wheel edge)	1.10 m	1.40 m	1.60 m	1.84 m	2.15 m
(from side wheel edge)	1.40 m	1.70 m	1.90 m	2.15 m	2.46 m
Up and Over Clearance	5.35 m			5.42 m	
Max. Hydraulic System Pressure	23 MPa				
Maximum Operating Wind Speed	45 km/h (12.5 m/s)		0 km/h	45 km/h (12.5 m/s)	
Maximum Horizontal Manual Force	400 N				
Electrical System Voltage	24V				
Gross Machine Weight (Platform Empty) before 2010	1950 kg		2000 kg	2980 kg	
Gross Machine Weight (Platform Empty) since 2010	2100 kg		2200 kg	2980 kg	
Overall Length before 2010	1.90 m	2.20 m	2.50 m	2.67 m	2.99 m
Overall Length since 2010	1.94 m	2.25 m	2.53 m	2.67 m	2.99 m
Overall Height	1.99 m				
Overall Width	0.99 m				
Maximum Wheel Load	1400 kg		1500 kg	1950 kg	
Maximum Travel Grade (Gradeability) With mast in stowed position and jib below horizontal	20% (11°)			15% (8.5°)	
Maximum Travel Grade (Side slope) With mast in stowed position and jib below horizontal	5°				
Tilt Sensor Setting	2°				
Turning Radius Inside :	1.05 m				
Outside :	2.40 m				
Vibration levels	The weighed root mean square acceleration value to which the arms are subjected (control levers) is inferior to 2,5m/s/s.				
	The weighed root mean square acceleration value to which the feet are subjected (platform floor) is inferior to 0,5m/s/s/.				
Acoustic pressure	The equivalent continuous 'A' weighed sound pressure level at the work station is <70 dB(A).				
	The measure has been taken by placing the sonometer at 1,60 m above the platform floor.				

Fluid Capacities

Table 8-2. Capacities

Main Hydraulic Tank	19l
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Hydraulic Power Unit

Table 8-3. Hydraulic Power Unit Specifications

Maximum 24 MPa			
Main Power Unit	Motor	Power	4.8 kW
		Voltage	24 VDC
	Pump	Flow Rate	9.1 l/mn
		Displacement	3.5 cm ³ /t
Maximum 12 MPa			
Steering Unit	Motor	Power	0.8 kW
		Voltage	24 VDC
	Pump	Displacement	0.5 cm ³ /t

Batteries

Table 8-4. Battery Specifications

Voltage		24 Volt
Amp Hour Rating	Toucan 800	240 Ah (5h rate)
	Toucan 870	620 Ah (5h rate)
Life Cycle Rating		1200 Cycles