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HERCULES

1

Cab interior overview:
100.10

2

Cab interior overview:
120.10, 160.10, 210.10

3

Agility, Power
and Manageability

4

360° visibility

5

Chassis
robustness

6

High capacity
axles

7

Heavy
loads



2



3



4





PERFORMANCE	100.10	120.10	160.10	210.10
Maximum capacity (kg)	10.000	12.000	16.000	21.000
Maximum lifting height (m)	9,50	9,40	10,20	10,20
Maximum horizontal outreach (m)	5,15	4,90	5,15	5,10
Outreach at maximum height (m)	0,60	0,60	0,30	0,20
Fork swivelling angle	144°	120°	120°	120°
Pull-out force (daN)	9.700	11.400	16.200	18.900
Towing force (daN)	11.000	12.300	13.000	21.000
Gradeability	39 %	39 %	35 %	35 %
Total weight empty (kg)	16.000	17.400	23.700	27.400
Max speed (km/h)	35	28	25	25*
Levelling	8°+8°	-	-	-
* = If road circulation approval is required, the maximum speed will be limited according to the regulations in the country of use				

BOOM	100.10	120.10	160.10	210.10
Times: empty / with a regenerative valve (in seconds)				
Lifting	16,5	16,9	20,0/8,8*	25,2/12,6*
Descent	13,2	15,2	20,5	23,5
Extension	13,2	9,3	14,4	14,4
Retraction	8,3	5,6	8,7	8,7
Forward swivelling	5,3	5,6	5,6	8,1
Reverse swivelling	4,0	4,3	4,3	5,3
* = Optional		Patented compensation system		

ENGINE	100.10	120.10	160.10 210.10
Model:	Iveco FPT	Perkins	Perkins
Maximum power kW (hp):	-	106 (144)	146 (196)
Rated power kW (hp):	125 (170)	-	-
Peak power kW (hp):	129 (175)	-	-
Revolutions per minute (rpm):	2200	2200	2200
Operation:	4 stroke diesel		
Injection:	Common-Rail	Common-Rail	Common-Rail
Anti-pollution regulation:	Stage 3b (Ad Blue)	Stage 3A	Stage 3A
Number and arrangement of cylinders:	4, vertical in line	4, vertical in line	6, vertical in line
Engine size (cm³):	4485	4399	6598
Specific consumption - rpm (g/kWh):	208-1900	230-2200	230-2200
Electronic/Manual accelerator		Aftercooler Turbo compressor	
Air pre-heater for cold climates		Liquid cooling system	

HYDRAULIC PLANT	100.10	120.10	160.10 210.10
Gear Pump (l/1' - bar):		53 - 200	53 - 200
Variable delivery pump (Load Sensing) (l/1' - bar):	160 - 300	160 - 280	170 - 350
Control valve with joystick:	4 in 1	4 in 1	4 in 1
Simultaneous movements:	3	3	3
Proportional control distributor "Load Sensing" with "Flow Sharing"			
Only on the following models: 210.10			
Lifting with "Regenerative" system			

STANDARD DEVICES
Anti-tipping device with pejorative movement block.
Hydraulic socket for any accessory on the boom head with drainage.
Soundproof closed cab, ROPS-FOPS approved, with heater.
High-efficiency, self-cleaning engine air filter with cyclone filters.
Only on the following models: 100.10 - 120.10
Self-blocking front axle differential (limited slip 45%).

REFUELLING	100.10	120.10 160.10	210.10
Oil tank (lt)	246	300	300
Fuel tank (lt)	207	270	280
Ad Blue Tank	30	-	-

TYRES	100.10	120.10	160.10	210.10
Tyres	17.5 R25"	17.5 R25"	18.00 R25"	23.5 R25"
Alternative	16.00 R25"			

DIFFERENTIAL AXLES

Steering axles: 2, with planetary reduction gears

Steering types: 4 wheels / transversal / 2 wheels

Front axle:

- rigid (100.10 and 120.10)
- level (160.10 and 210.10)

Back axle: oscillating

Oil bath service braking on the 4 wheels with double hydraulic plant.

Negative action parking brake

TRANSMISSION
Hydrostatic transmission with variable flow pump.
Hydrostatic engine with automatic variation.
Electrical - hydraulic inversion.
Inching pedal for controlled advancement.
Servocontrolled 2-speed gearbox.

OPTIONALS AND ACCESSORIES
A/C; Webasto Heater; Analogue speedometer; Water Heater; Driver's seat with pneumatic suspension; Light on boom head; Quick coupling for accessories; Radio; Anti-theft system; Glass protection.
(For additional customizations, contact the area dealer)

DIMENSIONS	100.10	120.10	160.10	210.10
A/A*	490	540 / 460*	530	530
B	1270	1300	1320	1320
C	3300	3350	3700	3750
D	1480	1515	1570	1630
E/E*	5460	5555 / 5630*	6185	6185
F	6050	6170	6590	6700
G	980	980	980	980
H/H*	2890	2870 / 2950*	2890	2925
I	1975	1975	2005	2115
L	2420	2400	2500	2715
M	1480	1800	2650	2830
N	4350	4700	5530	5810
O	4580	4850	5790	6050
Measurements expressed in millimetres		A* - E* - H* = Measurements referring to optional wheels		

