



# DIECI



**Dieci S.r.l.**  
Via E. Majorana, 2-4  
42027 - Montecchio Emilia (RE) ITALY  
Tel. +39 0522 869611  
Fax +39 0522 869798  
E-mail: [info@dieci.com](mailto:info@dieci.com)

# HERCULES



100.10

120.10

190.10

210.10

PERFORMANCE	100.10	120.10	190.10	210.10
Maximum capacity (kg)	10.000	12.000	19.000	21.000
Maximum lifting height (m)	9,50	9,50	10,20	10,20
Maximum horizontal outreach (m)	5,15	5,15	5,15	5,10
Outreach at maximum height (m)	0,60	0,60	0,30	0,20
Fork swivelling angle	144°	144°	120°	120°
Pull-out force (daN)	9.700	9.700	16.200	18.900
Towing force (daN)	11.000	11.000	13.000	21.000
Gradeability	39 %	39 %	35 %	35 %
Total weight empty (kg)	16.000	17.000	24.500	27.500
Max speed (km/h)	35	35	23	23*
Levelling	8°+8°	8°+8°	8°+8°	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	190.10	210.10
<b>Times: empty / with a regenerative valve (in seconds)</b>				
Lifting	16,5	18,3	20,0/8,8	25,2/12,6
Descent	11,1	13,2	20,5	23,5
Extension	13,2	13,2	14,4	14,4
Retraction	8,3	8,3	8,7	8,7
Forward swivelling	5,3	5,3	5,6	8,1
Reverse swivelling	4,0	4,0	4,3	5,3

Patented compensation system

ENGINE	100.10 - 120.10	190.10 - 210.10
Model:	Iveco FPT	Iveco FPT
Maximum power kW (hp) @ rpm:	129(175) @ 1900	129(175) @ 1900
Revolutions per minute (rpm):	2200	2200
Operation:	4 stroke diesel	
Injection:	Common-Rail	Common-Rail
Anti-pollution regulation:	Stage 3b (Ad Blue)	Stage 3b (Ad Blue)
Number and arrangement of cylinders:	4, vertical in line	
Engine size (cm³):	4485	4485
Specific consumption (g/kWh) @ rpm:	208 @1900	208 @1900
Electronic/Manual accelerator	Aftercooler Turbo compressor	
Air pre-heater for cold climates	Liquid cooling system	

HYDRAULIC PLANT	100.10	120.10	190.10 210.10
Gear Pump (l/1' - bar):			53 - 200
Variable delivery pump (Load Sensing) (l/1' - bar):	160 - 300	160 - 300	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"			
<b>Only on the following models: 210.10 - 190.10</b>			
Lifting with "Regenerative" system			

STANDARD DEVICES	
Anti-tipping device with peyorative 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. Digital speedometer.	
<b>Only on the following models: 100.10 - 120.10</b>	
Self-blocking front axle differential (limited slip 45%).	
<b>Only on the following models: 100.10 - 120.10</b>	
Hydraulically lockable center differential.	

REFUELLING	100.10	120.10	190.10 210.10
Oil tank (lt)	246	246	300
Fuel tank (lt)	207	207	280
Ad Blue Tank	30	30	30

TYRES	100.10	120.10	190.10	210.10
Tyres	17.5 R25"	17.5 R25"	23.5 R25"	23.5 R25"
* Alternative			20.5 R25"	

### DIFFERENTIAL AXLES

Steering axles: 2, with planetary reduction gears  
Steering types: 4 wheels / transversal / 2 wheels  
Front axle: level  
Back axle: oscillating  
Oil bath service braking on the 4 wheels with double hydraulic plant.  
Negative action parking brake

**Only on the following models: 100.10 - 120.10**  
Hydraulically lockable center differential.

### 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; Water Heater; Driver's seat with pneumatic suspension; Light on boom head; Quick coupling for accessories; Radio; Anti-theft system; Glass protection. Led work lights.  
(For additional customizations, contact the area dealer)

DIMENSIONS	100.10	120.10	190.10	210.10
A/A*	490	490	530/470*	530
B	1270	1270	1320	1320
C	3300	3300	3850	3850
D	1480	1480	1630	1630
E/E*	5460	5460	6290/6170*	6290
F	6050	6050	6800	6800
G	980	980	980	980
H/H*	2890	2890	2930	2930
I	1975	1975	2045/2015*	2045
L	2420	2420	2700/2590*	2700
M	1480	1480	3530	3530
N	4350	4350	6500/6445*	6500
O	4580	4850	6500	6500

Measurements expressed in millimetres      A\* - E\* - H\* = Measurements referring to optional wheels

