

**DIECI**  
UNITED STATES



**Dieci United States**  
40851 Route 6 - Wyalusing, PA  
18853  
844-257-7903 Toll free  
[www.diecious.com](http://www.diecious.com)

HERCULES



100.10

120.10

190.10

210.10

PERFORMANCE	100.10	120.10	190.10	210.10
Maximum capacity lb(kg)	22046(10000)	26455(12000)	41880(19000)	46290(21000)
Maximum lifting height ft(m)	31.2(9.5)	31.2(9.5)	33.5(10.2)	33.46(10.2)
Maximum horizontal outreach ft(m)	16.7(5.10)	16.7(5.10)	16.9(5.15)	16.89(5.15)
Outreach at maximum height ft(m)	2.0(0.6)	2.0(0.6)	1(0.3)	0.66(0.2)
Fork swivelling angle	144°	144°	120°	120°
Pull-out force lbf(daN)	21806.6(9700)	21806.6(9700)	36419.2(16200)	42489.1(18900)
Towing force lbf(daN)	24729.1(11000)	24729.1(11000)	29225.3(13000)	47210.1(21000)
Gradeability	39 %	39 %	35 %	35 %
Total weight empty lb(kg)	35274(16000)	37479(17000)	54013(24500)	60627(27500)
Max speed mph(km/h)	21.7(35)	21.7(35)	14.3(23)	14.3(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	
Model:	Iveco FPT
Maximum power HP @ rpm:	175 @ 1900
Revolutions per minute (rpm):	2200
Operation:	4 stroke diesel
Injection:	Common-Rail
Anti-pollution regulation:	Stage 3b (Ad Blue)
Number and arrangement of cylinders:	4, vertical in line
Engine size in <sup>3</sup> (cm <sup>3</sup> ):	273.7(4485)
Specific consumption lb/Btu(g/kWh) @ rpm:	1343.7(208) @ 1900
Electronic/Manual accelerator	Aftercooler Turbo compressor
Air pre-heater for cold climates	Liquid cooling system

HYDRAULIC PLANT	100.10	190.10
	120.10	210.10
Gear Pump USA gal/1' - psi(l/1' - bar):	14-2900,8(53-200)	
Variable delivery pump (Load Sensing) USA gal/1' - psi(l/1' - bar):	42.27-4351,1(160-300)	44.91-5076,3(170-350)
Control valve with joystick:	4 in 1	4 in 1
Simultaneous movements:	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	190.10
	120.10	210.10
Oil tank USA gal(l)	64.9(246)	79.2(300)
Fuel tank USA gal(l)	54.6(207)	73.9(280)
Ad Blue Tank USA gal(l)	7.9(30)	7.9(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
<b>A/A*</b>	19(490)	19(490)	21(530)/19(470)*	21(530)
<b>B</b>	50(1270)	50(1270)	52(1320)	52(1320)
<b>C</b>	130(3300)	130(3300)	152(3850)	152(3850)
<b>D</b>	58(1480)	58(1480)	64(1630)	64(1630)
<b>E/E*</b>	215(5460)	215(5460)	248(6290)/243(6170)*	248(6290)
<b>F</b>	238(6050)	238(6050)	268(6800)	268(6800)
<b>G</b>	39(980)	39(980)	39(980)	39(980)
<b>H/H*</b>	114(2890)	114(2890)	115(2930)	115(2930)
<b>I</b>	78(1975)	78(1975)	81(2045)/79(2015)*	81(2045)
<b>L</b>	95(2420)	95(2420)	106(2700)/102(2590)*	106(2700)
<b>M</b>	58(1480)	58(1480)	139(3530)	139(3530)
<b>N</b>	171(4350)	171(4350)	256(6500)/254(6445)*	256(6500)
<b>O</b>	180(4580)	191(4850)	256(6500)	256(6500)

Measurements expressed in: in(mm)      A\* - E\* - H\* = Measurements referring to optional wheels

