



HERCULES

100.10 | 130.10 | 190.10 | 210.10 | 230.10



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PERFORMANCE					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
Maximum capacity	22040 lb (9997 kg)	28660 lb (13000 kg)	41888 lb (19000 kg)	46290 lb (20997 kg)	50706 lb (23000 kg)
Maximum lifting height	31.2 ft (9.5 m)	31.2 ft (9.5 m)	33.5 ft (10.2 m)	33.5 ft (10.2 m)	33.3 ft (10.15 m)
Maximum horizontal extension	16.7 ft (5.1 m)	16.7 ft (5.1 m)	16.9 ft (5.2 m)	16.89 ft (5.1 m)	16.8 ft (5.1 m)
Fork swiveling angle	144°	144°	120°	120°	113°
Pull-out force	21806 lbf (9700 daN)	21806 lbf (9700 daN)	36419 lbf (16200 daN)	42489 lbf (18900 daN)	42489 lbf (18900 daN)
	24729 lbf (11000 daN)	24729 lbf (11000 daN)	43838 lbf (19500 daN)	43838 lbf (19500 daN)	43838 lbf (19500 daN)
Towing force Maximum climb angle	36%	36%	43838 IDF (19500 dain) 36.5%	43838 lbf (19500 dain) 36.5%	43838 IDT (19500 dain) 35%
5					
Unladen mass	35274 lb (16000 kg)	39683 lb (18000 kg)	54013 lb (24500 kg)	60627 lb (27500 kg)	63934 lb (29000 kg)
Max speed (referred to wheels with maximum permitted diameter)	21.1 mph (34 km/h)	21.1 mph (34 km/h)	14.3 mph (23 km/h)	14.3 mph (23 km/h)	13.7 mph (22 km/h)
воом					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
Lifting	16.5 s	20 s	20 s	25.2 s	28.6 s
Descent	13.2 s	13 s	20.5 s	23.5 s	24.1 s
Extension	13.2 s	13 s	20.1 s	20.1 s	20.1 s
Retraction	8.3 s	15 s	9.8 s	9.8 s	9.8 s
Forward swiveling	5.3 s	6.5 s	5.6 s	8.1 s	15.3 s
Reverse swiveling	4 s	5 s	4.3 s	5.3 s	10.5 s
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ENGINE					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
Brand	FPT	FPT	FPT	FPT	FPT
Nominal power	168 HP (125 kW)	168 HP (125 kW)	168 HP (125 kW)	168 HP (125 kW)	168 HP (125 kW)
@rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Peak power	172 HP (128 kW)	172 HP (128 kW)	172 HP (128 kW)	172 HP (128 kW)	172 HP (128 kW)
@rpm	1900 rpm	1900 rpm	1900 rpm	1900 rpm	1900 rpm
Operation	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke
Injection	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	274 in ³ (4485 cm ³)	274 in ³ (4485 cm ³)	274 in ³ (4485 cm ³)	274 in ³ (4485 cm ³)	274 in ³ (4485 cm ³)
Consumption	348.74 lb/Hp h (212 g/kWh)	348.74 lb/Hp h (212 g/kWh)	348.74 lb/Hp h (212 g/kWh)	348.74 lb/Hp h (212 g/kWh)	348.74 lb/Hp h (212 g/kWh)
@rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Emission standard	Stage V	Stage V	Stage V	Stage V	Stage V
Exhaust gas treatment	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)	DOC+SCRoF (with AdBlue)
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Cooling system	Liquid	Liquid	Liquid	Liquid	Liquid
Cooling system Intake	Liquid 16-valve turbocharger with aftercooler	Liquid 16-valve turbocharger with aftercooler	Liquid 16-valve turbocharger with aftercooler		Liquid 16-valve turbocharger with aftercooler
	16-valve turbocharger with	16-valve turbocharger with	16-valve turbocharger with	Liquid 16-valve turbocharger with	16-valve turbocharger with
Intake	16-valve turbocharger with	16-valve turbocharger with	16-valve turbocharger with	Liquid 16-valve turbocharger with	16-valve turbocharger with
Intake DIFFERENTIAL AXLES	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction
Intake DIFFERENTIAL AXLES Vehicle model	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels
Intake DIFFERENTIAL AXLES Vehicle model Type of axles	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45%	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45%	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system
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Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electronic control	Liquid 16-valve turbocharger with aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 with transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electronic control
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Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump type Hydraulic pump capacity	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with clouble hydraulic system Negative actuation with electrical control HERCULES 130.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with could hydraulic system Negative actuation with electronic control HERCULES 190.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min)	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 Wheels / transversal / 2 With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with electronic control Negative actuation with electronic control HERCULES 210.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for som availiary services operation. 5.9.4 gal/min (225 l/min)	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with clouble hydraulic system Negative actuation with electronic control HERCULES 230.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min)
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump type Hydraulic pump capacity Max. operating pressure	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 42.3 gal/min (160 l/min) 4496 psi (31 MPa)	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 130.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 42.3 gal/min (160 l/min) 4496 psi (31 MPa)	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with could hydraulic system Negative actuation with electronic control HERCULES 190.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa)	Liquid16-valve turbocharger withaftercoolerHERCULES 210.102 steering, with 4epicycloidal reductiongears4 wheels / transversal / 2Wheels / transversal / 2With transverse levelingdevice (8° + 8°) withcontrol in the cabSwingingSwingingBath with servo brakeon front and rear axle withelectronic controlHERCULES 210.10"Load Sensing" variableflow pump for boommovements. And powersteering. Gear pump forsuxiliary servicesoperation.59.4 gal/min (225 l/min)5076 psi (35 MPa)	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with clouble hydraulic system Negative actuation with electronic control HERCULES 230.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa)
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump type Hydraulic pump type Distributor control	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with clouble hydraulic system Negative actuation with electrical control HERCULES 130.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with could hydraulic system Negative actuation with electronic control HERCULES 190.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min)	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 Wheels / transversal / 2 With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with electronic control Negative actuation with electronic control HERCULES 210.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for som availiary services operation. 5.9.4 gal/min (225 l/min)	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with clouble hydraulic system Negative actuation with electronic control HERCULES 230.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min)
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump type Hydraulic pump capacity Max. operating pressure Distributor control REFUELING	 16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 *Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4.2.3 gal/min (160 l/min) 4.496 psi (31 MPa) Proportional 4 in1 Joystick 	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with couble hydraulic system Negative actuation with electrical control HERCULES 130.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in1 Joystick	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with couble hydraulic system Negative actuation with electronic control HERCULES 190.10 "Load Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa) Proportional 4 in1 Joystick	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with couble hydraulic system Negative actuation with electronic control HERCULES 210.10 "Load Sensing" variable flow pump for boom movements. And power sering. Gear pump for soperation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa) Proportional 4 in1 Joystick E	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with couble hydraulic system Negative actuation with electronic control HERCULES 230.10 HERCULES 230.10 Guoda Sensing" variable flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa) Proportional 4 in 1 Joystick
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump capacity Max. operating pressure Distributor control REFUELING Vehicle model	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in 1 Joystick HERCULES 100.10	16-valve turbocharger with aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 4 wheels / transversal / 2 wheels 2 winging 0 ib ath with servo brake on front and rear axle with coutrol in the cab and 45% self-locking differential 5 winging 0 ib ath with servo brake on front and rear axle with cload sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in1 Joystick HERCULES 130.10	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with coluble hydraulic system Negative actuation with electronic control HERCULES 190.10 HERCULES 190.10 Flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 50.76 psi (35 MPa) Proportional 4 in1 Joystick HERCULES 190.10	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 apolycoloidal reduction gears 4 wheels / transversal / 2 Whether Arransversal / 2 With transverse leveling device (8° + 8°) with control in the cab Oil bath with servo brake on front and rear axle with olube hydraulic system Negative actuation with Veroner Control HERCULES 210.10 "Load Sensing" variable flow pump for boom movements. And power soperation. Sung (Gal/min (225 l/min) Go76 psi (35 MPa) Proportional 4 inl Joystick HERCULES 210.10	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 4 wheels / transversal / 2 wheels 2 with transverse leveling device (6° + 6°) with control in the cab 7 Swinging 0 Il bath with servo brake on front and rear axle with control in the cab 7 Sugative actuation with electronic control 8 HERCULES 230.10 1 HERCULES 230.10 5076 psi (35 MPa) 7 rooprtional 4 in 1 Joystick 5076 psi (35 MPa) 7 rooprtional 4 in 1 Joystick 8 HERCULES 230.10
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking Parking braking HYDRAULIC SYSTEM Vehicle model Hydraulic pump type Hydraulic pump capacity Max. operating pressure Distributor control REFUELING Vehicle model Hydraulic system (total)	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 *Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in1 Joystick HERCULES 100.10	16-valve turbocharger withl aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle withl couble hydraulic system Negative actuation withle electrical control HERCULES 130.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in1 Joystick HERCULES 130.10 HERCULES 130.10 HERCULES 130.10 HERCULES 130.10 HERCULES 130.10	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with 1000 bath with servo brake on front and rear axle with control in the cab Negative actuation with electronic control HERCULES 190.10 1000 bath (25 I/min) 59.4 gal/min (225 I/min) 59.4 gal/min (225 I/min) 59.4 gal/min (225 I/min) 59.4 gal/min (225 I/min) HERCULES 190.10 HERCULES 190.10 HERCULES 190.10 4000 bath (2000 bath) Control and and	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 apjorgloidal reduction gears 4 wheels / transversal / 2 wheels / transversal / 2 With transverse leveling device (8° + 8°) with control in the cab Oil bath with servo brake on front and rear axle with olube hydraulic system Negative actuation with Very and Sensing" variable flow pump for boom movements. And power soperation. S046 psi (35 MPa) Proportional 4 inl Joystick G076 psi (35 MPa) Proportional 4 inl Joystick HERCULES 210.10	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels with transverse leveling device (6° + 6°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with control in the cab Negative actuation with electronic control HERCULES 230.10 HERCULES 230.10 Flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 59.4 gal/min (225 l/min) 5076 psi (35 MPa) Proportional 4 in 1 Joystick with FNR HERCULES 230.10 HERCULES 230.10 Sora pla (360 l)
Intake DIFFERENTIAL AXLES Vehicle model Type of axles Type of steering FRONT AXLE Rear axle Service braking Parking braking Vehicle model Hydraulic pump type Hydraulic pump type Distributor control REFUELING Vehicle model	16-valve turbocharger with aftercooler HERCULES 100.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential Swinging Oil bath with servo brake on front and rear axle with double hydraulic system Negative actuation with electrical control HERCULES 100.10 "Load Sensing" variable flow pump for boom movements. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in 1 Joystick HERCULES 100.10	16-valve turbocharger withl aftercooler HERCULES 130.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 3 winging With transverse leveling device (8° + 8°) with control in the cab and 45% self-locking differential 5 winging Oil bath with servo brake on front and rear axle withl couble hydraulic system Negative actuation withle electrical control HERCULES 130.10 10 woments. Gear pump for power steering drive and for the cooling fan 4496 psi (31 MPa) Proportional 4 in1 Joystick HERCULES 130.10	16-valve turbocharger with aftercooler HERCULES 190.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels With transverse leveling device (8° + 8°) with control in the cab Swinging Oil bath with servo brake on front and rear axle with coluble hydraulic system Negative actuation with electronic control HERCULES 190.10 HERCULES 190.10 Flow pump for boom movements. And power steering. Gear pump for auxiliary services operation. 50.76 psi (35 MPa) Proportional 4 in1 Joystick HERCULES 190.10	Liquid 16-valve turbocharger with a aftercooler HERCULES 210.10 2 steering, with 4 apolycoloidal reduction gears 4 wheels / transversal / 2 Whether Arransversal / 2 With transverse leveling device (8° + 8°) with control in the cab Oil bath with servo brake on front and rear axle with olube hydraulic system Negative actuation with Veroner Control HERCULES 210.10 "Load Sensing" variable flow pump for boom movements. And power soperation. Sung (Ga Son Mang) Sung (Ga Son Mang) Sordo psi (35 MPa) Proportional 4 inl Joystick HERCULES 210.10	16-valve turbocharger with aftercooler HERCULES 230.10 2 steering, with 4 epicycloidal reduction gears 4 wheels / transversal / 2 wheels 4 wheels / transversal / 2 wheels 2 with transverse leveling device (6° + 6°) with control in the cab 7 Swinging 0 Il bath with servo brake on front and rear axle with control in the cab 7 Sugative actuation with electronic control 8 HERCULES 230.10 1 HERCULES 230.10 5076 psi (35 MPa) 7 rooprtional 4 in 1 Joystick 5076 psi (35 MPa) 7 rooprtional 4 in 1 Joystick 8 HERCULES 230.10

TRANSMISSION Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
Transmission type	Hydrostatic with variable displacement pump				
Reversal	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic
Inching	With electronic pedal for controlled forward movement				
TOWING CAPACITY					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
TIRES					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
Standard tires	17,5x25"	17,5x25"	16.00 - 25"	18.00 - 25"	18,00R25"
DIMENSIONS					
Vehicle model	HERCULES 100.10	HERCULES 130.10	HERCULES 190.10	HERCULES 210.10	HERCULES 230.10
A	19.3 in (490 mm)	19.3 in (490 mm)	20.9 in (530 mm)	20.9 in (530 mm)	18.5 in (470 mm)
В	50.0 in (1270 mm)	50.0 in (1270 mm)	52.0 in (1320 mm)	52.0 in (1320 mm)	52.0 in (1320 mm)
C	129.9 in (3300 mm)	129.9 in (3300 mm)	151.6 in (3850 mm)	151.6 in (3850 mm)	151.6 in (3850 mm)
D	58.3 in (1480 mm)	58.3 in (1480 mm)	64.2 in (1630 mm)	64.2 in (1630 mm)	64.2 in (1630 mm)
G	238.2 in (6050 mm)	238.2 in (6050 mm)	267.7 in (6800 mm)	267.7 in (6800 mm)	267.7 in (6800 mm)
Н	113.8 in (2890 mm)	113.8 in (2890 mm)	115.4 in (2930 mm)	115.4 in (2930 mm)	117.3 in (2980 mm)
L	38.6 in (980 mm)				
L	77.8 in (1975 mm)	77.8 in (1975 mm)	79.3 in (2015 mm)	80.5 in (2045 mm)	85.8 in (2180 mm)
Μ	95.3 in (2420 mm)	95.3 in (2420 mm)	100.4 in (2550 mm)	100.4 in (2550 mm)	106.3 in (2700 mm)
Р	42.1 in (1070 mm)	42.1 in (1070 mm)	139.0 in (3530 mm)	139.0 in (3530 mm)	139.0 in (3530 mm)
Q	155.5 in (3950 mm)	155.5 in (3950 mm)	255.9 in (6500 mm)	255.9 in (6500 mm)	257.1 in (6530 mm)
R	164.6 in (4180 mm)	164.6 in (4180 mm)	255.9 in (6500 mm)	265.7 in (6750 mm)	265.7 in (6750 mm)
Т	5.3 in (134 mm)	5.3 in (134 mm)	7.1 in (181 mm)	7.1 in (181 mm)	7.1 in (181 mm)
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