

DIECI
AMERICAS
TELEHANDLERS



PEGASUS ELITE

100.29 | 70.35 | 60.40



dieci-americas.com

PERFORMANCE			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Maximum capacity	22000 lb (9979 kg)	15400 lb (6985 kg)	13200 lb (5987 kg)
Maximum lifting height	93.8 ft (28.6 m)	113.2 ft (34.5 m)	129.3 ft (39.4 m)
Maximum horizontal extension	78 ft (23.8 m)	90 ft (27.4 m)	85 ft (25.9 m)
Fork swiveling angle	118°	118°	118°
Towing force	27651 lbf (12300 daN)	27651 lbf (12300 daN)	27651 lbf (12300 daN)
Unladen weight	52911 lb (24000 kg)	52911 lb (24000 kg)	62832 lb (28500 kg)
Maximum climb angle	40 %	40 %	40 %
Max speed (referred to wheels with maximum permitted diameter)	24.9 mph (40 km/h)	24.9 mph (40 km/h)	24.9 mph (40 km/h)

ENGINE			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Brand	FPT	FPT	FPT
Nominal power	197 HP (147 kW)	197 HP (147 kW)	197 HP (147 kW)
@rpm	2200 rpm	2200 rpm	2200 rpm
Peak power	197 HP (147 kW)	197 HP (147 kW)	197 HP (147 kW)
@rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke	4-stroke
Injection	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
Displacement	274 in³ (4485 cm³)	274 in³ (4485 cm³)	274 in³ (4485 cm³)
Consumption	335.58 lb/Hp h (204 g/kWh)	335.58 lb/Hp h (204 g/kWh)	335.58 lb/Hp h (204 g/kWh)
@rpm	2000 rpm	2000 rpm	2000 rpm
Emission standards	Stage V	Stage V	Stage V
Exhaust gas treatment	DOC+SCR (AdBlue)	DOC+SCR (AdBlue)	DOC+SCR (AdBlue)
Cooling system	Liquid	Liquid	Liquid
Intake	16-valve turbocharger, aftercooler	16-valve turbocharger, aftercooler	16-valve turbocharger, aftercooler
Air filter	Air pre-heating and air self-cleaning pre-filter	Air pre-heating and air self-cleaning pre-filter	Air pre-heating and air self-cleaning pre-filter

TRANSMISSION			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Transmission type	Hydrostatic with continuous adjustment and electronic control. 4 permanent drive wheels.	Hydrostatic with continuous adjustment and electronic control. 4 permanent drive wheels.	Hydrostatic with continuous adjustment and electronic control. 4 permanent drive wheels.
Hydraulic motor	Hydrostatic with continuous automatic adjustment and electronic control.	Hydrostatic with continuous automatic adjustment and electronic control.	Hydrostatic with continuous automatic adjustment and electronic control.
Reversal	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic
Inching	Electronic control integrated in the brake pedal.	Electronic control integrated in the brake pedal.	Electronic control integrated in the brake pedal.
Gearbox	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed

DIFFERENTIAL AXLES			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Type of axles	2 steered, with 4 epicycloidal reduction gears with wheel alignment sensor.	2 steered, with 4 epicycloidal reduction gears with wheel alignment sensor.	2 steered, with 4 epicycloidal reduction gears with wheel alignment sensor.
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	With transverse leveling device with control in the cab	With transverse leveling device with control in the cab	With transverse leveling device with control in the cab
Rear axle	Swinging	Swinging	Swinging
Service braking	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system
Parking braking	Negative actuation with electrical control	Negative actuation with electrical control	Negative actuation with electrical control

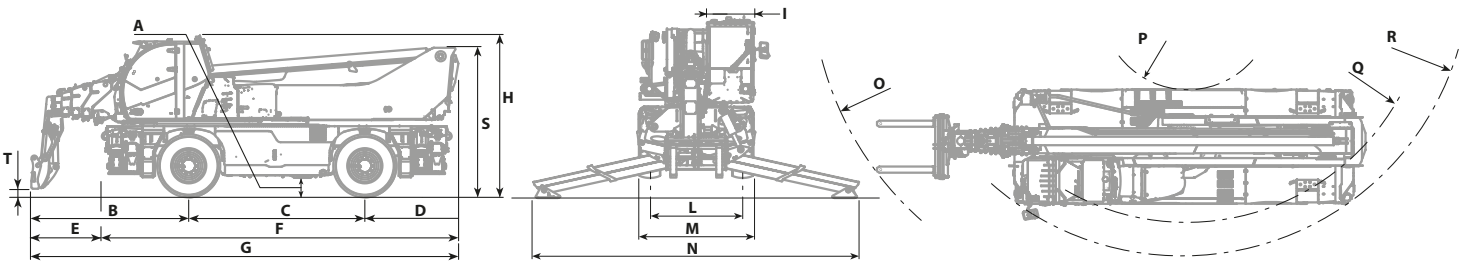
HYDRAULIC SYSTEM			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Hydraulic pump type	Electronically controlled Load Sensing pump with variable displacement, for power steering, boom movements and outriggers. Gear pump for fan drive and leveling.	Electronically controlled Load Sensing pump with variable displacement, for power steering, boom movements and outriggers. Gear pump for fan drive and leveling.	Electronically controlled Load Sensing pump with variable displacement, for power steering, boom movements and outriggers. Gear pump for fan drive and leveling.
Hydraulic pump capacity	66.0 gal/min (250 l/min)	66.0 gal/min (250 l/min)	66.0 gal/min (250 l/min)
Max. operating pressure	4569 psi (31.5 MPa)	4569 psi (31.5 MPa)	4569 psi (31.5 MPa)
Distributor control	Dual proportional Joystick	Dual proportional Joystick	Dual proportional Joystick
Distributor type	Hydraulic in 5 sections with "Load Sensing" proportional electronic servo-control, 5 simultaneous movements with independent maximum speed control of each movement. Selectable NORMAL - ECO - SOFT - FAST work.	Hydraulic in 5 sections with "Load Sensing" proportional electronic servo-control, 5 simultaneous movements with independent maximum speed control of each movement. Selectable NORMAL - ECO - SOFT - FAST work.	Hydraulic in 5 sections with "Load Sensing" proportional electronic servo-control, 5 simultaneous movements with independent maximum speed control of each movement. Selectable NORMAL - ECO - SOFT - FAST work.
Outriggers	4 with proportional control and independent from the cab	4 with proportional control and independent from the cab	4 with proportional control and independent from the cab

FILLING			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Hydraulic system (total)	105.67 gal (400 l)	105.67 gal (400 l)	105.67 gal (400 l)
Diesel tank	79.25 gal (300 l)	79.25 gal (300 l)	79.25 gal (300 l)
AdBlue tank	9.25 gal (35 l)	9.25 gal (35 l)	9.25 gal (35 l)

TYRES			
Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
Standard tires	17.5x25"	17.5x25"	17.5x25"

DIMENSIONS

Vehicle model	PEGASUS 100.29	PEGASUS 70.35	PEGASUS 60.40
A	14.8 in (375 mm)	14.8 in (375 mm)	14.8 in (375 mm)
B	153.1 in (3890 mm)	153.1 in (3890 mm)	153.1 in (3890 mm)
C	147.6 in (3750 mm)	147.6 in (3750 mm)	147.6 in (3750 mm)
D	78.3 in (1990 mm)	78.3 in (1990 mm)	78.3 in (1990 mm)
E	80.3 in (2040 mm)	80.3 in (2040 mm)	80.3 in (2040 mm)
F	298.8 in (7590 mm)	298.8 in (7590 mm)	298.8 in (7590 mm)
G	379.1 in (9630 mm)	379.1 in (9630 mm)	379.1 in (9630 mm)
H	129.9 in (3300 mm)	129.9 in (3300 mm)	129.9 in (3300 mm)
I	40.0 in (1015 mm)	40.0 in (1015 mm)	40.0 in (1015 mm)
L	78.7 in (2000 mm)	78.7 in (2000 mm)	78.7 in (2000 mm)
M	97.6 in (2480 mm)	97.6 in (2480 mm)	97.6 in (2480 mm)
N	272.8 in (6930 mm)	272.8 in (6930 mm)	272.8 in (6930 mm)
O	305.1 in (7750 mm)	305.1 in (7750 mm)	305.1 in (7750 mm)
P	94.5 in (2400 mm)	94.5 in (2400 mm)	94.5 in (2400 mm)
Q	207.9 in (5280 mm)	207.9 in (5280 mm)	207.9 in (5280 mm)
R	234.3 in (5950 mm)	234.3 in (5950 mm)	234.3 in (5950 mm)
S	124.0 in (3150 mm)	124.0 in (3150 mm)	124.0 in (3150 mm)
T	5.5 in (140 mm)	5.5 in (140 mm)	5.5 in (140 mm)





ON DEMAND

100.29



ON DEMAND

70.35



ON DEMAND

60.40