

DIECI
AUSTRALIA

PEGASUS 400° | 38.16 | 40.18





PEGASUS 400° LEADING THE WAY IN ROTATIONAL TECHNOLOGY

With the needs of construction sites constantly changing and a large focus on reducing management costs and improving vehicle productivity, Dieci has invested in delivering a range of rotational telehandlers that match the evolving requests of their customers.

The **Pegasus** family outperforms all telehandlers in terms of reach, thanks to the turret rotation. The wide range of available equipment allows you to perform the functions of a telehandler, a crane and an aerial platform with just a single vehicle: the whole construction site in your hands.

These machines are designed to travel and lift with maximum stability and safety on level ground and off-road. An excellent self-levelling system, adaptive loading software and anti-crash system, eliminate the risks caused by difficult ground conditions.

The Pegasus range delivers optimal performance, extreme power and lifting abilities, precision movement control, and sound proofing for **absolute comfort**.

ABSOLUTE COMFORT: ITALIAN DESIGN AND STYLE

Dieci telehandlers have always been a combination of **comfort** and **functionality** which makes us stand out all over the world.

Advanced Technology

The superior technology of the Pegasus dramatically increases the capacity for vehicle control with a fully integrated advanced electronic system. Rpm, travel speed and diagnostic data are fed to a single control unit that measures and displays the operating parameters in real time.

Easy Manoeuvring

Enhanced **soft motion system** makes all boom movements easy to control, reducing speed on approaching the physical limits or in pre-alarm conditions.

Maximum Boom Productivity

Reinforced boom is made of high resistance steel with Load Sensing - Flow Sharing Distributors that offer simultaneous movements for more efficient work.

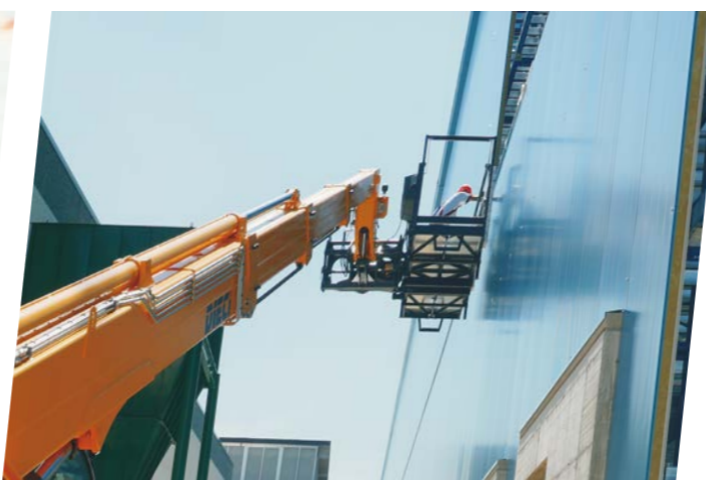
Maximum Safety

ROPS - FOPS approved cab, designed with safety cell to prevent deformation in the event of the vehicle being overturned or a heavy load falling on the cab. Dieci Telehandlers comply with AS1418.19 / 10896.1.

Deadman sensor, combined with the operator presence sensor in the seat, prevents accidental operation.

Anti-crash system - zero collisions, absolute precision and maximum safety for operators in the basket, thanks to the setting of operating limits in all directions.

Great stability and precision, even at extreme heights. Travelling and lifting with total safety, both on wheels and on outriggers on level ground and off-road.



18.00m

Max Reach

4000kg

Max Capacity

73.4kW / 98hp

400°

Rotation

Self levelling

The machine levels itself automatically at the press of a button, on any terrain.

Single Compensation Cylinder

Patented by Dieci - is located inside the lifting ram, ensures that the load on the boom is balanced at all times, thereby improving durability.

Inching Pedal

An essential control when movements must be slowed right down or stopped, and maximum hydraulic power is required for the equipment in use.

Wide Range of Attachments

A wide range of attachments available including man basket, winch, hook, jib etc. to cover all areas of the worksite.

Panoramic Views

The large, curved windows of the cab offer a complete 360° outside view with uninterrupted visibility. Integrated LED worklights allow better visibility at night.

Double Air Filter

Operator protected against dust and odours.

135L Hydraulic Flow Rate

The 135lpm hydraulic flow maximises manoeuvrability in all applications.

Hydrostatic Transmission

Guarantees power, reactivity and control in manoeuvres, while a single control unit measures the optimal working parameters through in-depth diagnostics, displaying them in real time.

Comfort & Ease of Access

With soundproofing, an adjustable steering wheel (height and depth), storage compartments and various accessories such as the air suspension seat, enable operation in total comfort.



TECHNICAL DATA

PERFORMANCE

Machine model	PEGASUS 30.16	PEGASUS 40.18
Maximum capacity	3800 kg (8378 lb)	4000 kg (8818 lb)
Maximum lifting height on wheels	15.70 m (51.5 ft)	18.00 m (59.1 ft)
Maximum horizontal extension on wheels	13.50 m (44.3 ft)	15.30 m (50.2 ft)
Fork swiveling angle	133°	133°
Pull-out force	5700 daN (12814 lbf)	5700 daN (12814 lbf)
Towing force	7300 daN (16411 lbf)	7300 daN (16411 lbf)
Maximum climb angle	40%	40%
Unladen weight	13200 kg (29 101 lb)	13700 kg (30203 lb)
Max speed (referred to wheels with maximum permitted diameter)	25 km/h (15.5 mph)	25 km/h (15.5 mph)

ENGINE

Brand	Kubota
Nominal power	73.4 kW (98 HP)
@rpm	2600 rpm
Operation	4-stroke
Injection	Mechanical
Number and arrangement of cylinders	4, Vertical in line
Displacement	3769 cm ³ (274 in ³)
Consumption	231 g/kWh (380 lb/Hp h)
Emission standards	Stage IIIA/Tier 3
Cooling system	Liquid
Intake	Turbo compressor

HYDRAULIC SYSTEM

Hydraulic pump type	Double gear pump with "Energy Saving" system
Hydraulic pump capacity	135 L/min (35.7 gal/min)
Max. operating pressure	20.3 MPa (3336 psi)
Distributor control	Proportional 5in1 Joystick

TRANSMISSION

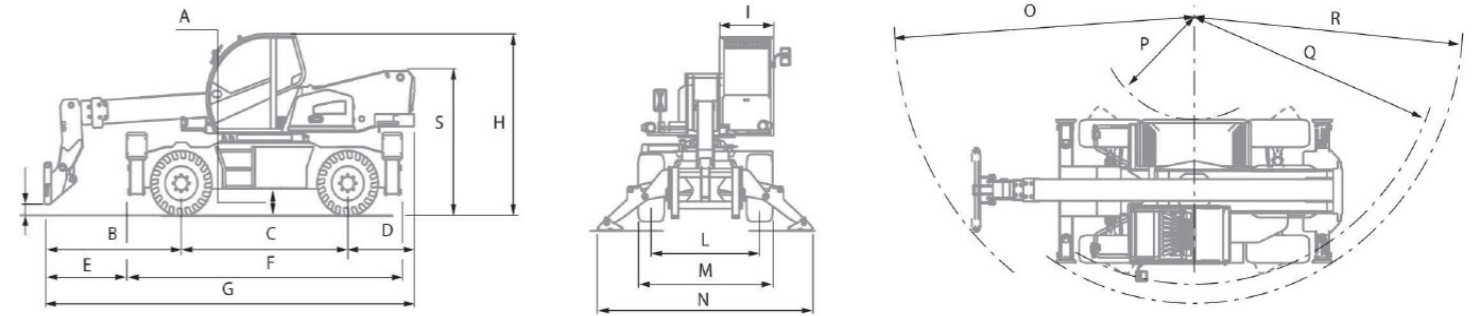
Transmission type	Hydrostatic with variable displacement pump
Inching	With inching pedal for controlled forward movement
Transmission gearbox	Servocontrolled 2-speed

TYRES

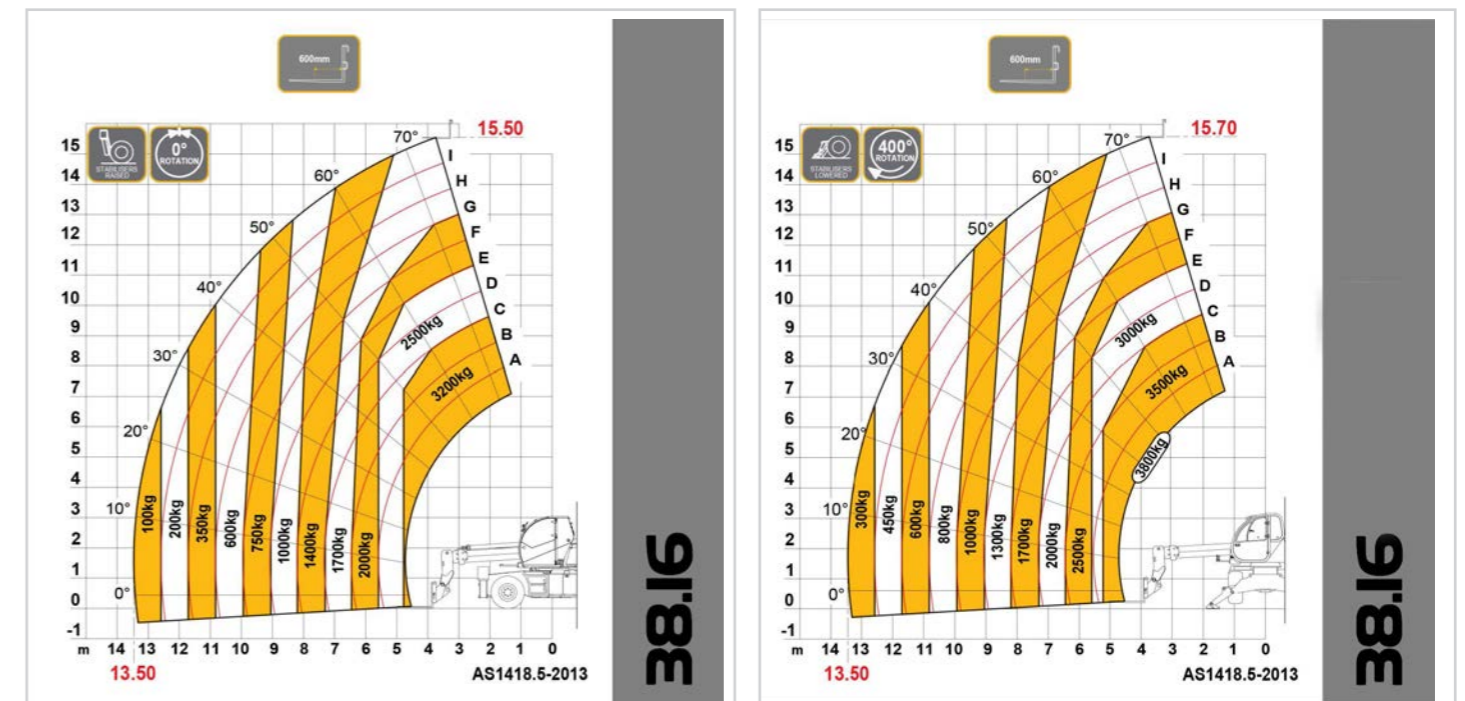
Machine model	38.16	40.18
Standard tyres	400/70R20"	400/70R20"

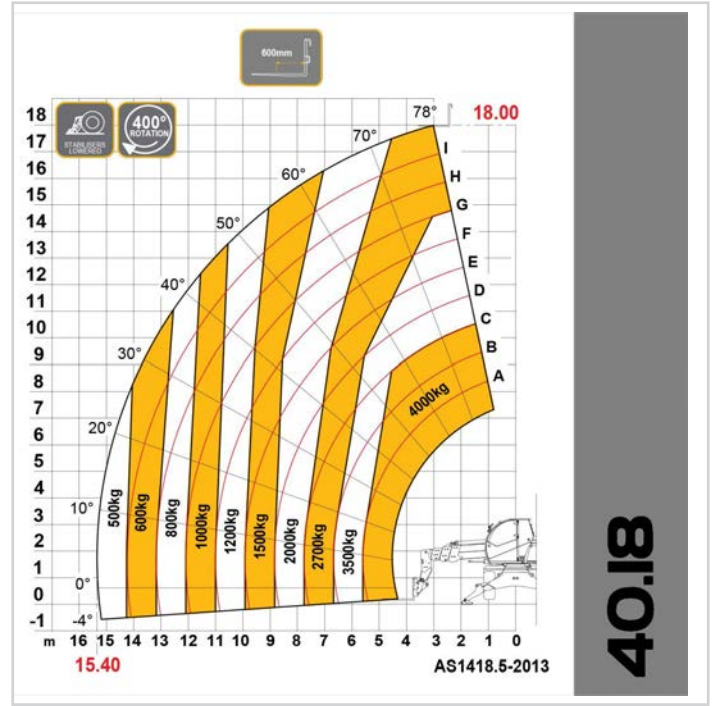
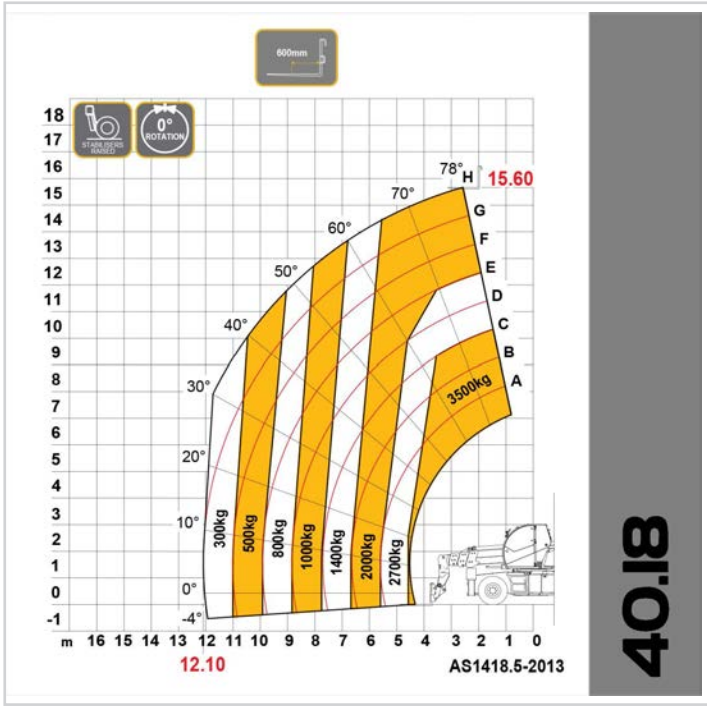
DIMENSIONS

Machine model	PEGASUS 30.16	PEGASUS 40.18
A	310 mm (12.2 in)	310 mm (12.2 in)
B	2430 mm (95.7 in)	2280 mm (89.8 in)
C	2950 mm (116.1 in)	2950 mm (116.1 in)
D	1175 mm (46.3 in)	1175 mm (46.3 in)
F	4880 mm (192.1 in)	4480 mm (192.1 in)
G	6740 mm (265.3 in)	6630 mm (261 in)
H	3035 mm (119.5 in)	3035 mm (119.5 in)
I	980 mm (38.6 in)	980 mm (38.6 in)
L	1920 mm (75.6 in)	1920 mm (75.6 in)
M	2380 mm (93.7 in)	2380 mm (93.7 in)
P	1700 mm (66.9 in)	1700 mm (66.9 in)
Q	4430 mm (174.4 in)	4430 mm (174.4 in)
S	2420 mm (95.3 in)	2420 mm (95.3 in)



LOAD CHARTS





Distributed by Dieci Australia and their network of authorised dealers.

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Illustrations and photos show the standard international models and may or may not include optional equipment, accessories, customer installed or modified parts, optional parts and all standard equipment with some differences in colour and features. Machine specifications are subject to change without notice and additional load charts and machine or attachment specifications may be available on request. Please refer to the operators manual for correct machine and attachment operation.

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