



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 machine productivity, Dieci has invested in delivering a range of rotational telehandlers that match the evolving requests of our 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 machine: the whole construction site in your hands.

The Pegasus 400° models 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 programmable height and slew limiters, eliminate the risks caused by difficult ground and site 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 technological capability allows for all electronic control units to constantly monitor the machine's systems, feeding information back to the fully integrated colour TFT instrument cluster. This cluster displays all vital information including engine RPM, travel speed and working boom configuration in real time, giving the operator all the feedback necessary to operate seamlessly and safely.

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 and flow sharing distributors that offer simultaneous movements for more efficient work.

Maximum Safety

The ROPS-FOPS approved cab is designed with a safety cell to provide maximum safety to the operator at all times. Dieci telehandlers comply with AS1418.19 / 10896.1.

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

Height and slew limit technology - zero collisions, absolute precision and maximum safety for operators, 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.



Pegasus 38.16

400°
Rotation

15.7m
Max Reach

3,800kg
Max Capacity

98hp / 73.4kW
Nominal Power

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.

Double Air Filter

Effectively shields the operator from dust and odors, ensuring a cleaner and more comfortable working environment.

Hydrostatic Transmission

Complete with a servo controlled 2 speed gear box and constantly varying hydrostatic drive, which guarantees top-end speed and low end-torque.

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.

Panoramic Views

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

135L Hydraulic Flow Rate

The 135 l/min hydraulic flow maximises manoeuvrability in all applications.

Self Levelling

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

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.



Pegasus 40.18

400°
Rotation

18.0m
Max Reach

4,000kg
Max Capacity

98hp / 73.4kW
Nominal Power

TECHNICAL DATA

PERFORMANCE	PEGASUS 38.16	PEGASUS 40.18
Maximum capacity	3,800 kg	4,000 kg
Maximum lifting height	15.7 m	18 m
Maximum horizontal extension	13.4 m	15.3 m
Fork swiveling angle	133 °	133 °
Pull-out force	5,700 daN	5,700 daN
Towing force	7,300 daN	7,300 daN
Maximum climb angle	40 %	40 %
Unladen weight	13,200 kg	13,700 kg
Maximum speed	25 km/h	25 km/h

ENGINE

Brand	Kubota
Nominal power	98 hp / 73.4 kW (@ 2,600 rpm)
Operation	4-stroke / diesel
Injection	Mechanical
Number and arrangement of cylinders	4, vertical inline
Displacement	3,769 cm ³
Emission standard	Stage IIIA/Tier 3
Cooling	Liquid
Intake	Turbocharger after-cooler

TRANSMISSION

Type	Hydrostatic transmission with variable displacement pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment
Reversal	Electro-hydraulic
Inching control	With hydraulic pedal for controlled forward movement
Gearbox	Servo-controlled 2-speed

HYDRAULIC SYSTEM

Hydraulic pump type	Double gear pump with “Energy Saving” system
Hydraulic pump capacity	135 l/min
Maximum operating pressure	23 MPa (3,336 psi)
Boom hydraulic sockets	With quick couplings
Distributor control	5 in 1 proportional joystick
Distributor type	Hydraulic in 5 sections with electronic servo-control, proportional “Load Sensing” with “Flow Sharing”, 5 simultaneous movements
Outriggers	4 independent outriggers with hydraulic lowering

TANK CAPACITIES

Hydraulic tank	270 l
Diesel tank	180 l

DIFFERENTIAL AXLES

Steering axles	2 steering, with 4 epicyclodial reduction gears
Type of steering	4 wheels / transversal / 2 wheels
Service brake	Oil bath with servo brake on front and rear with double hydraulic system
Park brake	Negative actuation with electrical control

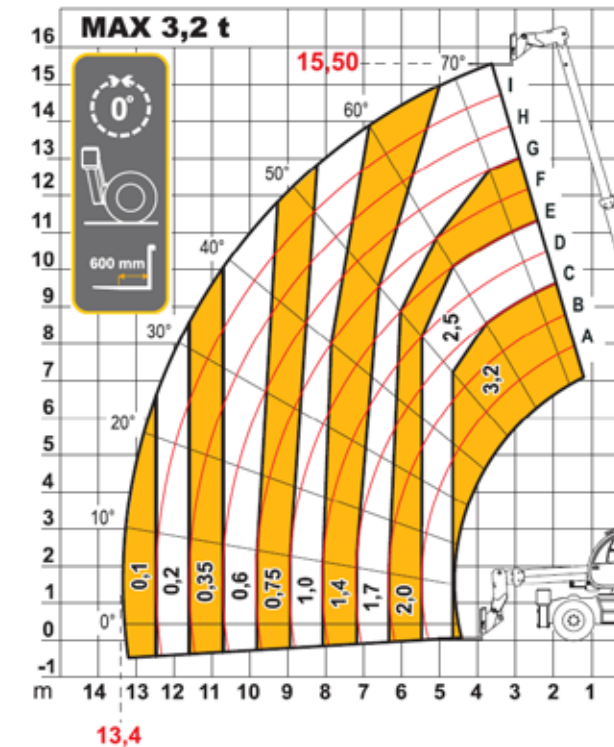
TYRES

Size	400/70x20"
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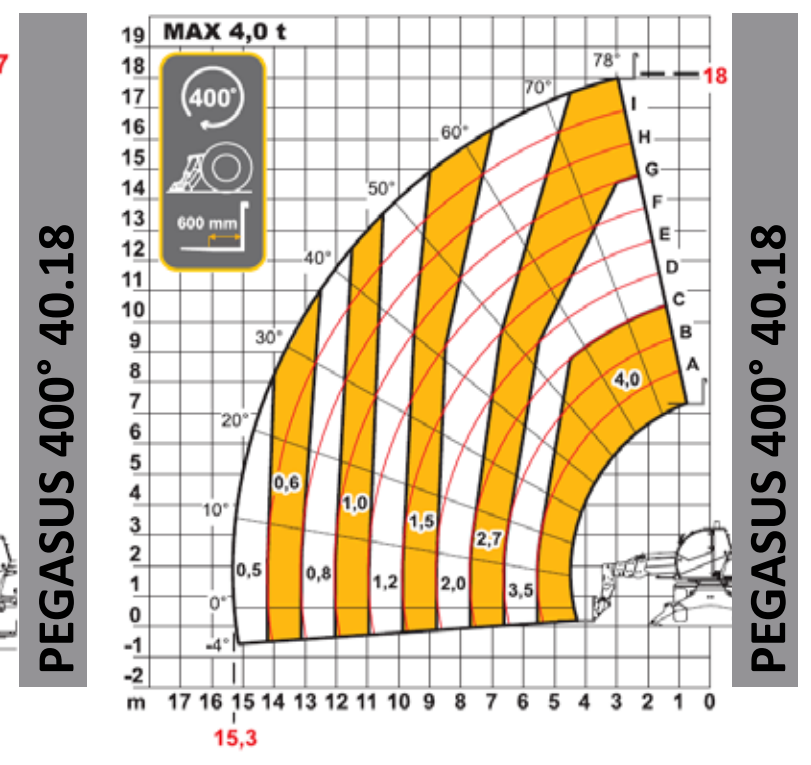
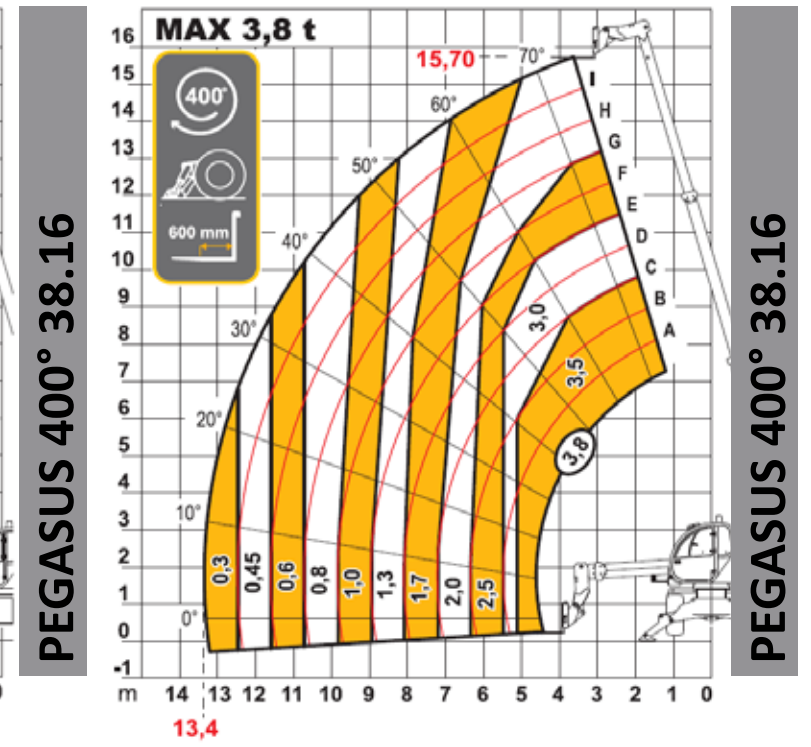
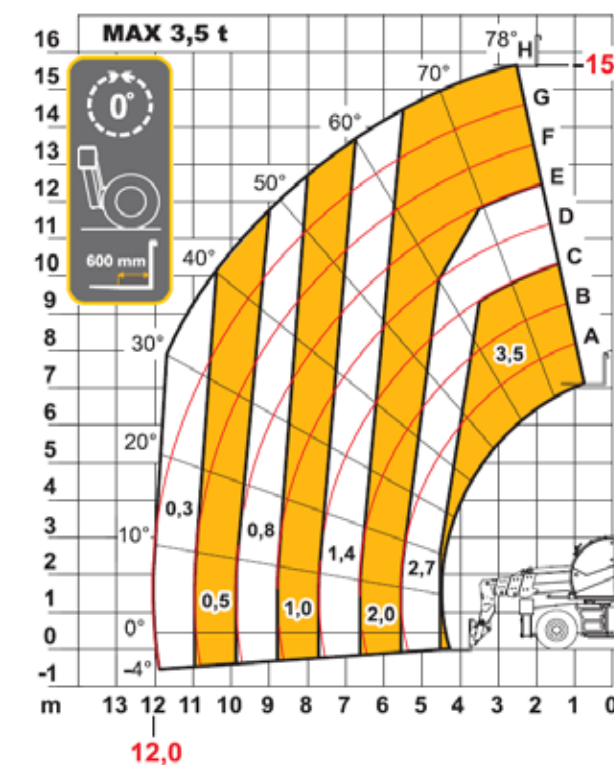
PEGASUS 400°

38.16 | 40.18

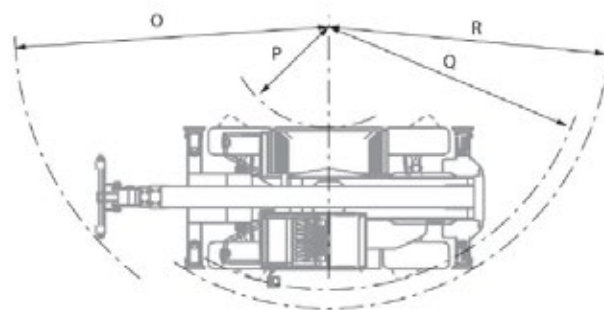
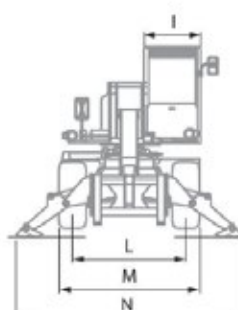
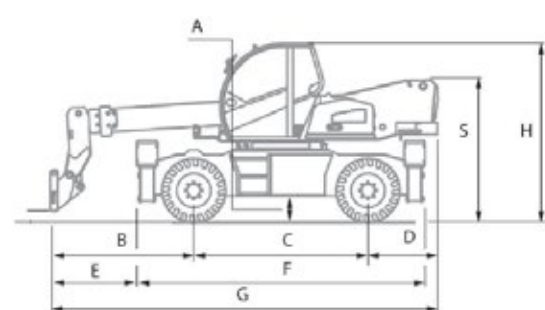
LOAD CHARTS: PEGASUS 38.16



LOAD CHARTS: PEGASUS 40.18



DIMENSIONS	PEGASUS 38.16	PEGASUS 40.18
A	310 mm	310 mm
B	2,430 mm	2,280 mm
C	2,950 mm	2,950 mm
D	1,175 mm	1,175 mm
E	1,490 mm	1,330 mm
F	4,880 mm	4,880 mm
G	6,740 mm	6,630 mm
H	3,035 mm	3,035 mm
I	980 mm	980 mm
L	1,920 mm	1,920 mm
M	2,380 mm	2,380 mm
N	3,968 mm	3,968 mm
O	5,163 mm	5,163 mm
P	1,700 mm	1,700 mm
Q	4,430 mm	4,430 mm
R	4,750 mm	4,750 mm
S	2,420 mm	2,420 mm



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1/5 Melito Court,
Prestons, NSW 2170

VICTORIA

Melbourne Branch
169 Studley Court,
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Maddington, WA 6109

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Berrinba, QLD 4117

Brisbane North Branch
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Brendale, QLD 4500

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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 user and maintenance manuals located on Dieci Australia's website for correct machine and attachment operation.



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