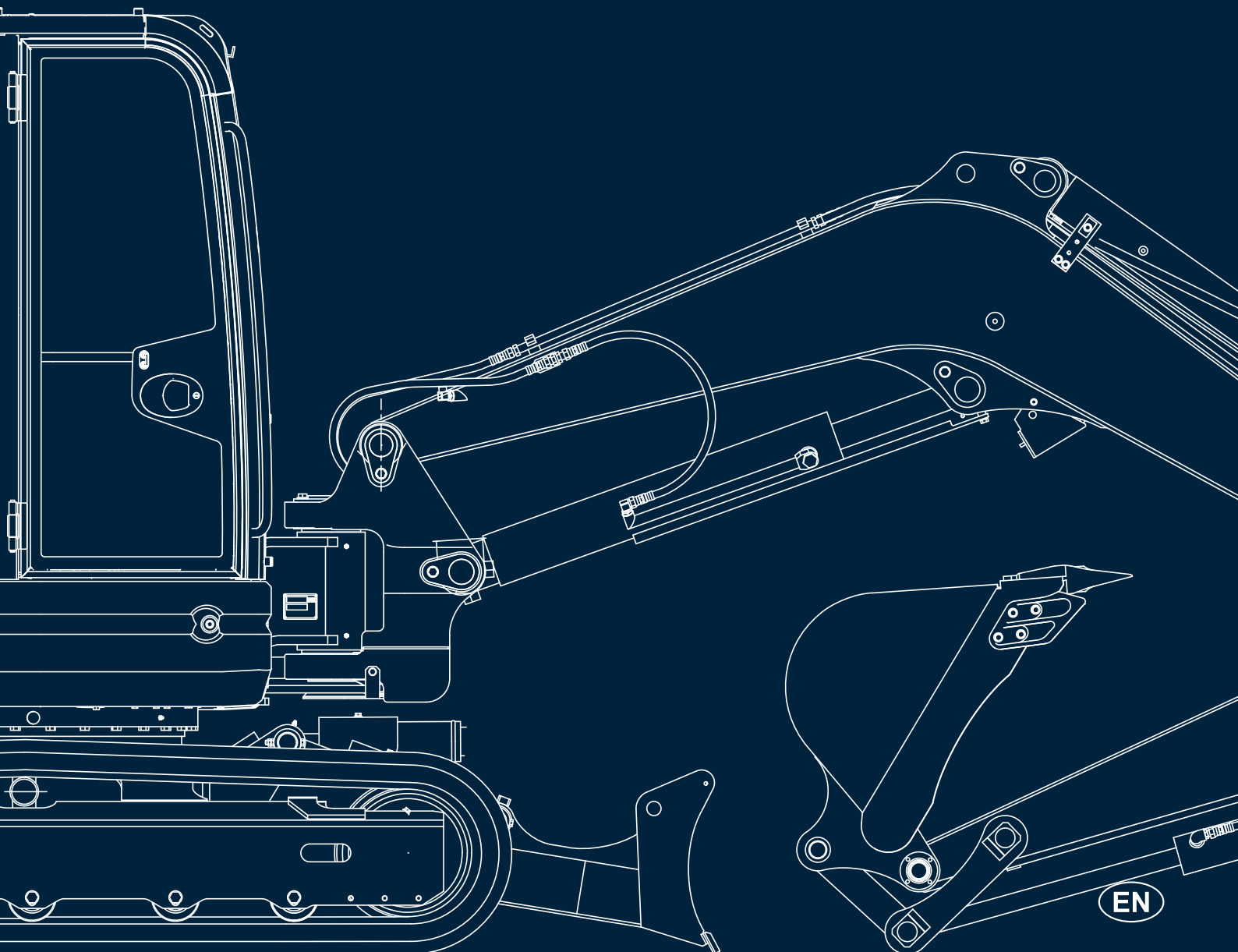


MINI-EXCAVATORS

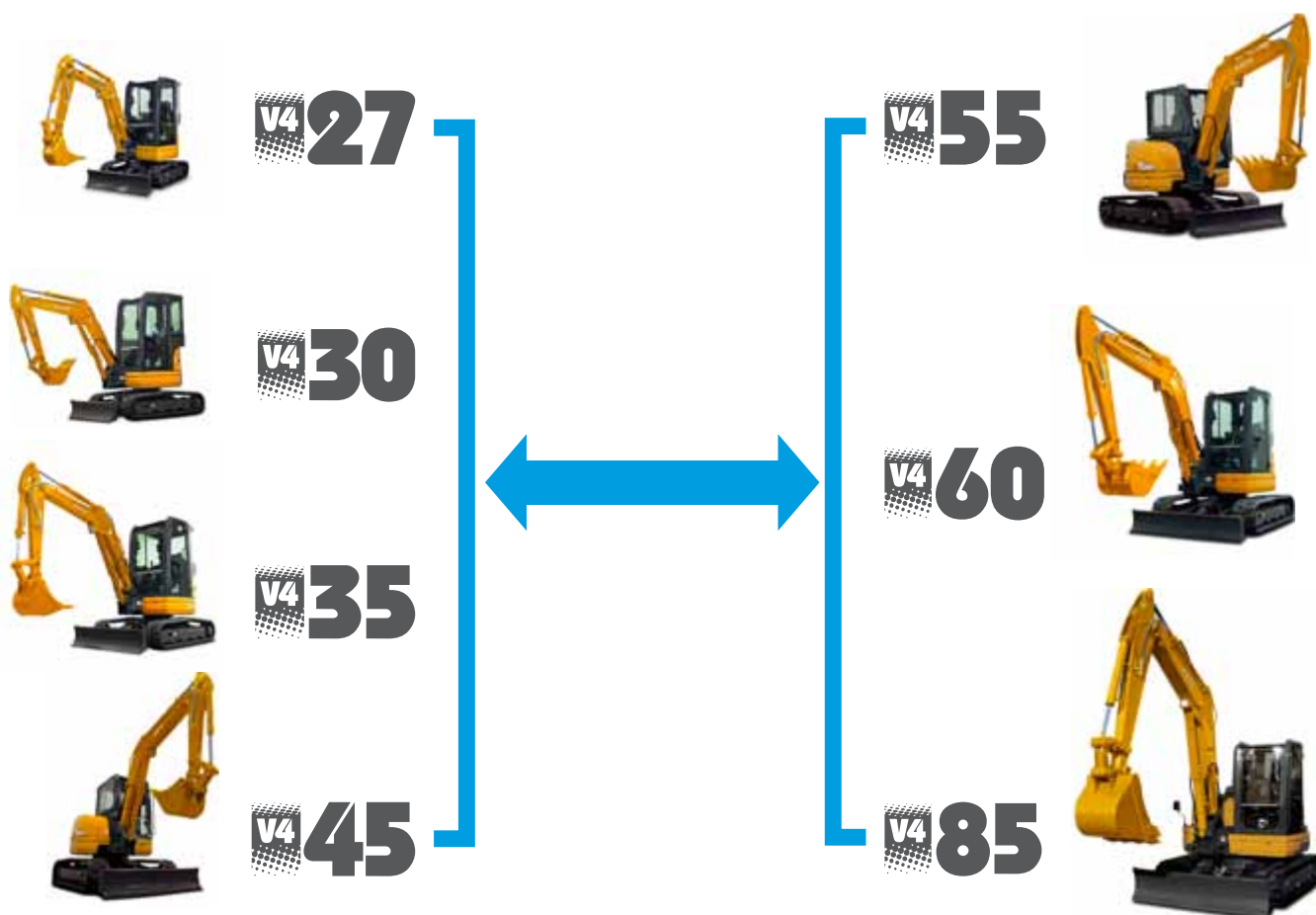
3.0 / 8.5 TONS

30V4
35V4
45V4
55V4
60V4
85V4



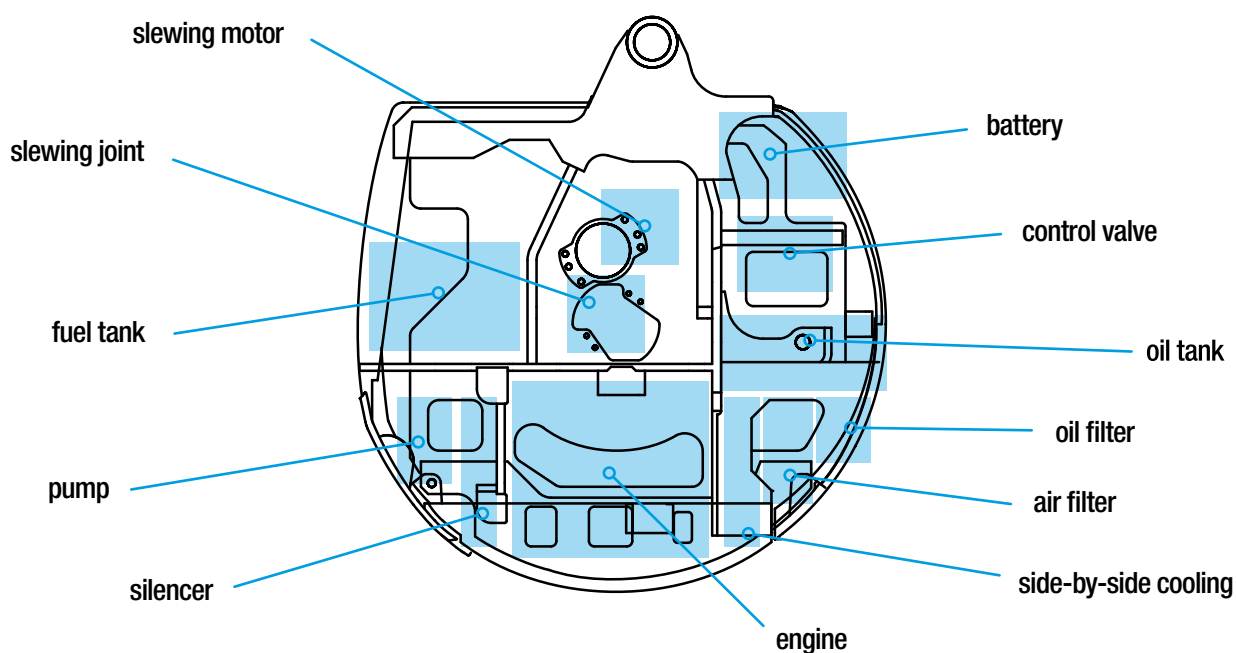
UNIFIED DESIGN

V4 SERIES MODELS UNIFICATION



Unified design for models of the V4 series

- Spare parts uniformity and interchangeability
- Components lay-out unification
- Well balanced design to ensure high performance and stability



MINI-EXCAVATORS 3.0 / 8.5 TONS

TARGET

**offer better performance
with a simple structure**

Greater safety for the operator
ROPS/FOPS compliance
Controls lock system
Comfortable space in the cabin
Wide and comfortable operator room
Simple, stable and powerful operations
Well balanced design to ensure high performance and stability
Lower maintenance costs
Simple design for longer lifetime
Easier maintenance
Low fuel consumption

RECYCLED MATERIALS



All materials used for the construction, steel plates, cast iron and plastic, are 97% recyclable.

Operator safety and space

The canopy/cabin ROPS/FOPS compliance ensures the operator safety



GREATER SAFETY FOR THE OPERATOR

Safe climbing and descent from the machine

The Lock System operates when the lever is raised.
All operations are inhibited.

Engine start in safety

The engine can be started only when the lock lever is raised.
The starting system prevents any sudden operation.

Safety on stationary machine

Auto-parking brake, it activates when the lock lever is raised.



CABIN AND INSTRUMENTS



THE NEW CABIN IS LARGER

* 25% larger than previous model

HEATING



Cushioned bucket seat
Fabric seat available as an optional



INSTRUMENTATION DESIGNED FOR THE OPERATOR

The new instrumentation to the right and left is designed for the operator's total comfort. The manual controls are all on the right: all operations, except boom swing can be carried out manually. The front monitor of new generation facilitates greater control by the operator during work. The servo-assisted joystick controls ensure the utmost precision during all operations. Ergonomic arrangement of all controls.

+20%

SPACE FOR THE LEGS

The larger cabin provides more comfort and less stress. The design of the reduced pedals ensures more space for the legs.



HYDRAULIC SYSTEM

Accurate sizing of the hydraulic system allows to develop a bucket digging force of 29.1 kN (2970 kgf) for models 30V4 and 35V4; of 31 kN (3160 kgf) for models 45V4 and 55V4; of 41.2 kN (4200 kgf) for 60V4 and of 55 kN (5610 kgf) for 85V4.

OPTIONAL AUXILIARY SYSTEM

In addition to the standard auxiliary hydraulic circuit, there are two additional optional hydraulic circuits, which allow to use multiple equipment such as hydraulic hammers, shears, hydraulic clamps, augers, adjustable and multifunctional buckets. The pedal boom swing has two functions: swinging and second auxiliary line, after preselection.

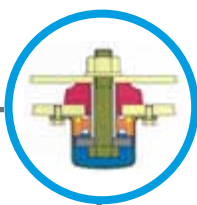


PROTECTION FOR COMPONENTS

The hydraulic pipes are routed on the top of the boom and inside the arm with the piping protected with a metal coil and burst-proof sheaths. Blade and arm cylinder protection.



VIBRATION AND NOISE REDUCTION



VISCOUS SUPPORT FOR THE CABIN

Effective for vibration and noise reduction. Absorbing the shock, it ensures comfort inside the cabin.

MONITOR FOR EASY CONTROL

The monitor is on the right and allows the operations control during the work. The new angle improves visibility while driving. New design.



Electrical outlet and lighter

Blade lever with two-speed button

Monitor

Ergonomic joystick - 1st auxiliary system proportional control (std.) all operations are controlled by a pivot valve for light operations. The switch on the right of the joystick allows easy and proportional manoeuvres to the auxiliary hydraulic system

3rd auxiliary system control (opt.)

2nd auxiliary system control (opt.)

Ergonomic joystick

Lock system
it operates when the safety lever is raised; all operations including auto-parking brake, blade shift and movement are inhibited



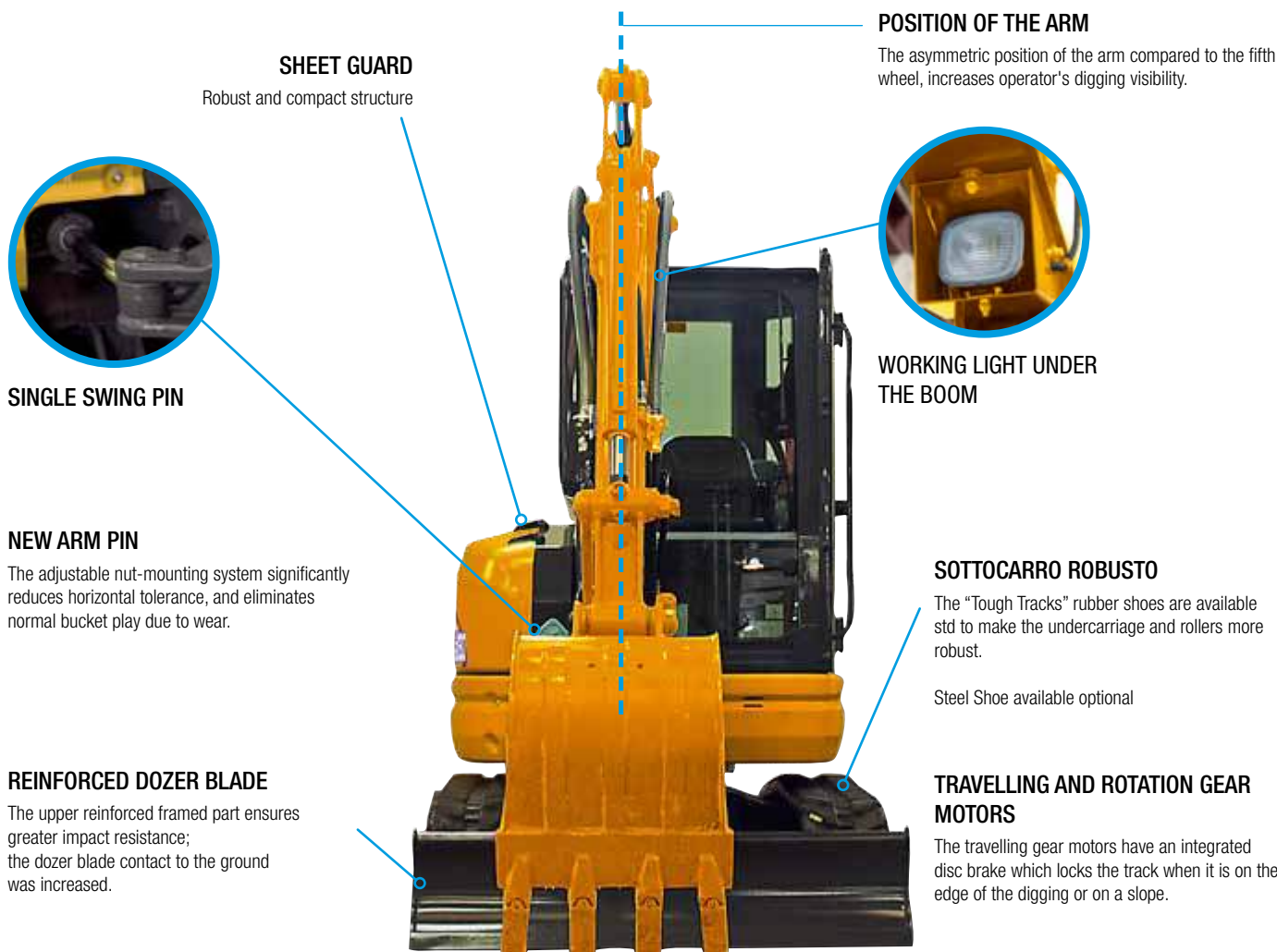
STRUCTURE

EXCEPTIONAL STABILITY

The machines of the new V4 series are designed to ensure balance. Digging, lifting and loading can be carried out ensuring excellent stability.

EXCELLENT WEIGHT DISTRIBUTION

The undercarriage of large dimensions and a perfect distribution of the weights, allow very great stability, greater than conventional machines of the same category. The machine is stable even in particularly critical situations or on muddy ground. The cylinder of the large blade is well protected against knocks and damage.

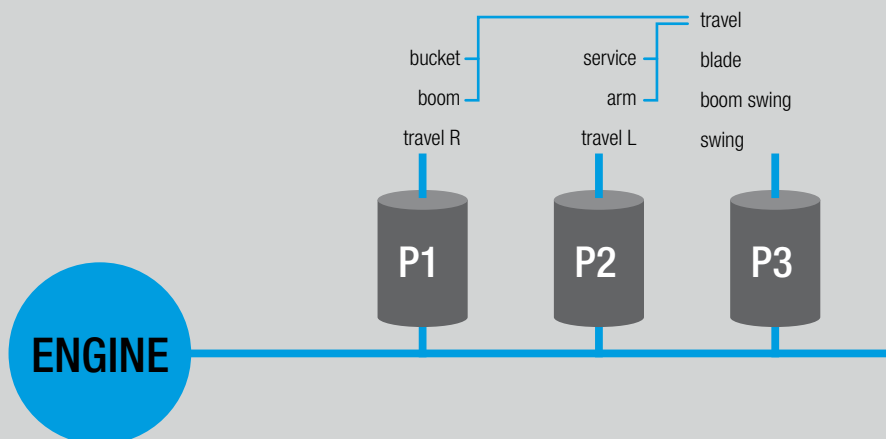


HIGH DIGGING POWER AND QUICK RESPONSE

3 PUMPS ARE USED FOR INDEPENDENT OPERATIONS OF THE BOOM, ARM AND SWING.

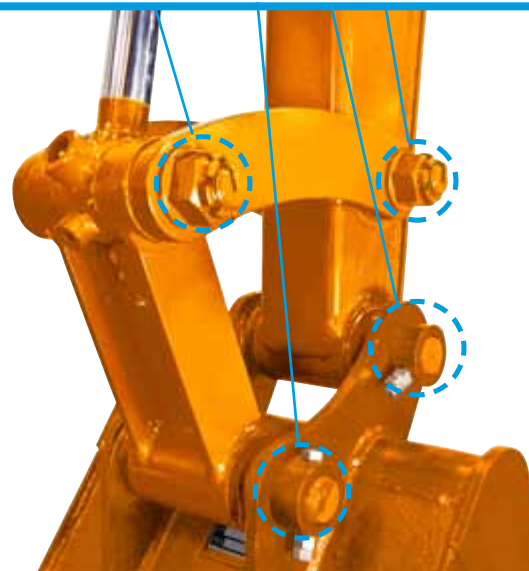
(P1 & P2 are of variable type)

The operations are agile, fast and powerful in response to the operator.



EASY TO ADJUST CASTLE NUT FOR ARM-END

The arm bushing has a new design for a longer lifetime.



LOWER MAINTENANCE COSTS

TOTAL ACCESSIBILITY

Large covers allow access to the engine and distributor, filters and radiator for inspection and maintenance. All the maintenance points are concentrated under the lateral cover such as hydraulic oil, radiator fluid level and supply and battery inspection. Models of the V4 series are equipped with an additional radiator for cooling the hydraulic oil, so as to prevent overheating due to continuous work and bleed valve and water sedimentation filter.

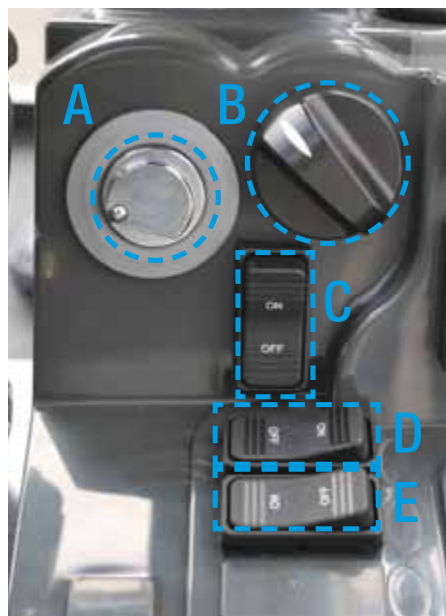


- A ENGINE STARTER SWITCH**
- B THROTTLE DIAL**
- C AUTO-IDLER (FROM 30V4 TO 85V4)**

The Auto-Idler function is equipped as standard. The engine rpm is reduced to a minimum after a few seconds of machine inactivity. When any lever is actuated, the engine rpm returns to the preset idle speed.

- D LIGHTS SWITCH**
- E ECO MODE (FROM 30V4 TO 85V4)**

Switch for energy saving Eco-mode.



EASY REFUELLING



30V4

TECHNICAL INNOVATION AND FORCE

Thanks to the rear frame that turns inside the track gauge, it is possible to perform digging and loading operations in total safety near to walls or in confined spaces. Yanmar 3TNV88 engine. Bucket digging force of 29.1 kN.

FRONT TURNING RADIUS:
2080 MM
REAR TURNING RADIUS:
775 MM



HIGH CAPACITY TANK
The tank with a capacity of as much as 42 litres ensures excellent operating and productive autonomy

MINI-EXCAVATORS 3.0 / 8.5 TONS

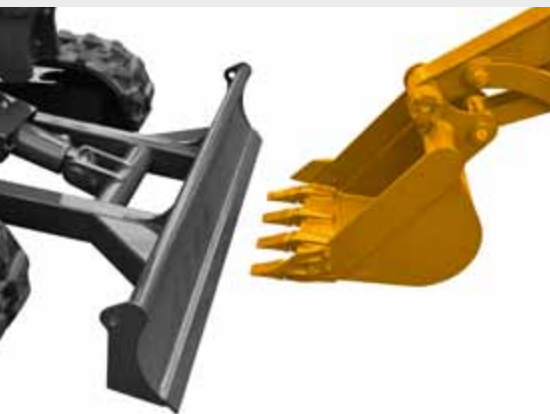


REMOVABLE COUNTERWEIGHT
The 30V4 can be provided in optional version with a removable counterweight (200 kg). The counterweight and the length of the tracks give the machine more stability in every working situation.



YANMAR 3TNV88, 17.5 KW

Compact, small, light and simple. High efficiency of power and torque, low fuel and oil consumption, fuel pollution emissions reduced to a minimum, easy maintenance with lower production and operation costs. It complies with the regulations in force concerning pollutants emissions.



EASY SKIMMING WORK

The closer distance between bucket teeth and dozer blade makes it easier to smooth the ground.



OPERATION IN CONFINED SPACES

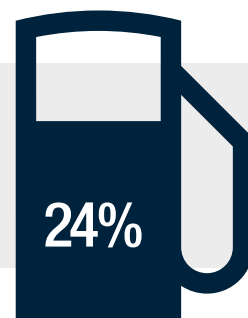
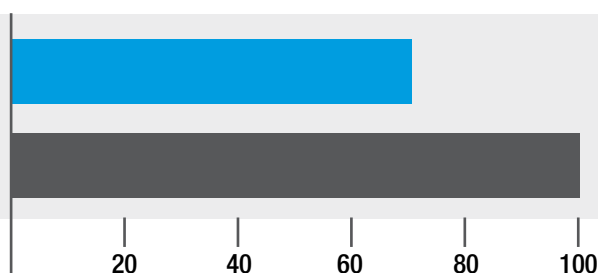
Width reduced to 1550 mm, this machine is ideal for use in confined spaces. Digging flush with a wall is extremely easy. In 30V4 large pins and new bushings, allow long greasing intervals together with increased durability.

VERSIONS AVAILABLE: CANOPY AND CABIN

The 30V4 is available both with a 4 posts canopy and with a cabin, and is certified TOPS against tipping over, ROPS against rolling over and FOPS against falling objects. The cabin is very comfortable, with plenty of space inside, large windows, removable windscreen with opening handy located under the roof, sliding side window and a highly effective heating system. Great working visibility is ensured as the structure produces no blind corners. The cabin door provides easy access to the driving seat also thanks to the handles.

LOW FUEL CONSUMPTION

30V4
previous model



SAVING

TECHNICAL DATA

Engine	Yanmar 3TNV88
N° cylinders/displacement	3 / 1642 cc direct injection
Rated output	17.5 kW / 2200 rpm
Machine weight with rubber shoe	3030 / 3180 kg (canopy / cabin)
Operating weight with rubber shoe	3105 / 3255 kg (canopy / cabin)
Max. digging depth	2700 / 3000 mm (with long arm)
Front turning radius	2080 / 2110 mm (with long arm)
Bucket digging force	2970 kgf
Standard bucket width	550 mm
Standard bucket capacity	0.09 m³

35V4

PERFORMANCE AND STABILITY

The frame turning within the clearance of the tracks and the variable gauge undercarriage facilitate digging and loading also close to walls. Yanmar 3TNV88 engine. The 1550-1800 mm variable gauge undercarriage, unique in its category, significantly increases the stability during side digging, allowing to work under particularly difficult conditions. Bucket digging force of 29.1 kN.

FRONT TURNING RADIUS:
2160 MM
REAR TURNING RADIUS:
865 MM

HIGH CAPACITY TANK
The tank with a capacity
of as much as 42 litres
ensures excellent operating
and productive autonomy



MINI-EXCAVATORS 3.0 / 8.5 TONS



EASY SKIMMING WORK

The closer distance between bucket teeth and dozer blade makes it easier to smooth the ground.

COMPACT SIZE

Digging flush with a wall is extremely easy. The 35V4 has a 1550 - 1800 mm width variable gauge undercarriage.

YANMAR 3TNV88, 17.5 KW

Compact, small, light and simple. High efficiency of power and torque, low fuel and oil consumption, fuel pollution emissions reduced to a minimum, easy maintenance with lower production and operation costs. It complies with the regulations in force concerning pollutants emissions.

SWING MOTORS

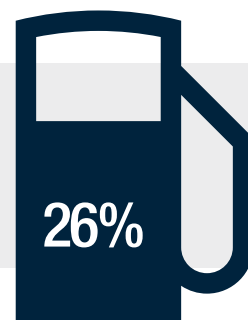
The 35V4 is equipped with a rotation swing motor with a multiple disc brake and shock-absorbing valves for progressive starting and stopping without any recoil.



VARIABLE GAUGE UNDERCARRIAGE

Thanks to the 1550 - 1800 mm variable gauge undercarriage, the 35V4 considerably increases stability during side digging and lifting operations or on particularly uneven ground.

LOW FUEL CONSUMPTION



SAVING

TECHNICAL DATA

Engine	Yanmar 3TNV88
N° cylinders/displacement	3 / 1642 cc direct injection
Rated output	17.5 kW / 2200 rpm
Machine weight with rubber shoe	3450 / 3600 kg (canopy / cabin)
Operating weight with rubber shoe	3525 / 3675 kg (canopy / cabin)
Max. digging depth	3080 / 3380 mm (with long arm)
Front turning radius	2160 / 2200 mm (with long arm)
Bucket digging force	2970 kgf
Standard bucket width	600 mm
Standard bucket capacity	0.11 m ³

45V4

MAXIMUM PERFORMANCE

Digging and loading operations also near to walls or in confined spaces thanks to the frame that turns inside the track gauge. KUBOTA V2403-DI-EDM engine. Bucket digging force 31.0 kN. The slewing speed of 9.3 revolutions/min enables excellent performance at work.

FRONT TURNING RADIUS:
2320 MM
REAR TURNING RADIUS:
995 MM M

HIGH CAPACITY TANK
The tank with a capacity of as much as 66 litres ensures excellent operating and productive autonomy



MINI-EXCAVATORS 3.0 / 8.5 TONS



REMOVABLE COUNTERWEIGHT

The 45V4 can be provided in optional version with a counterweight (290 kg). The counterweight and the greater length of the tracks give the machine more stability in every working situation.



COMPACT SIZE

Machine width reduced to 1990 mm. This machine is ideal for use in confined spaces which would be off-limits for other excavators. Digging flush with a wall is extremely easy.



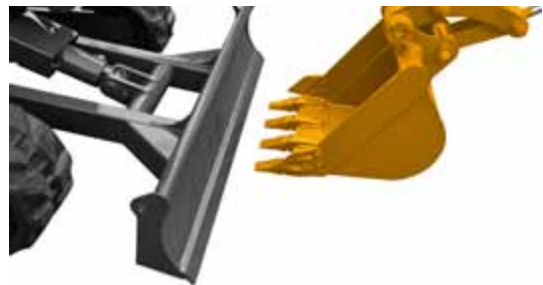
LESS MAINTENANCE AND LONGER LIFE

The application of large pins and new bushings means longer lubrication intervals and increased durability.



KUBOTA V2403-DI-EDM, 32.4 KW

High efficiency of power and torque, low fuel and oil consumption, fuel pollution emissions reduced to a minimum, easy maintenance with lower production and operation costs. It complies with the regulations in force concerning pollutants emissions.

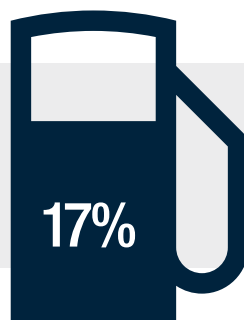
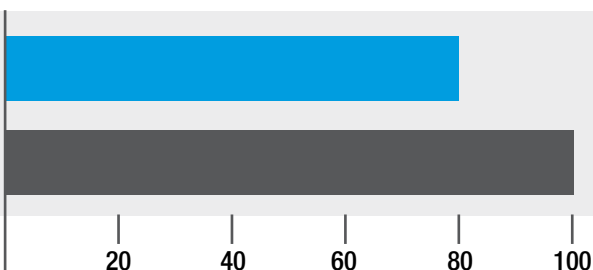


EASY SKIMMING WORK

The closer distance between bucket teeth and dozer blade makes it easier to smooth the ground.

LOW FUEL CONSUMPTION

45V4
previous
model



SAVING

TECHNICAL DATA

Engine	Kubota V2403-DI-EDM
N° cylinders/displacement	4/2434 cc direct injection
Rated output	32.4 kW / 2400 rpm
Machine weight with cabin	4780 / 4820 kg (rubber shoe / steel shoe)
Operating weight with cabin	4855 / 4895 kg (rubber shoe / steel shoe)
Max. digging depth	3340 / 3590 mm (with long arm)
Front turning radius	2320 / 2420 mm (with long arm)
Bucket digging force	3160 kgf
Standard bucket width	600 mm
Standard bucket capacity	0.14 m ³

55V4

ACCESSIBILITY AND RELIABILITY

High performance, maximum reliability and operational safety.

Accessibility and easy maintenance. Operation in confined spaces thanks to the rear frame that turns within the track clearance. KUBOTA V2403-DI-EDM engine. Bucket digging force 31.0 kN.

The slewing speed of 9.3 revolutions/min enables higher performance at work.

FRONT TURNING RADIUS:
2420 MM
REAR TURNING RADIUS:
1090 MM

HIGH CAPACITY TANK

The tank with a capacity of as much as 66 litres ensures excellent operating and productive autonomy



MINI-EXCAVATORS 3.0 / 8.5 TONS



COUNTERWEIGHT

The 55V4 is provided as std. with a counterweight. The counterweight and the greater length of the tracks give the machine more stability in every working situation.

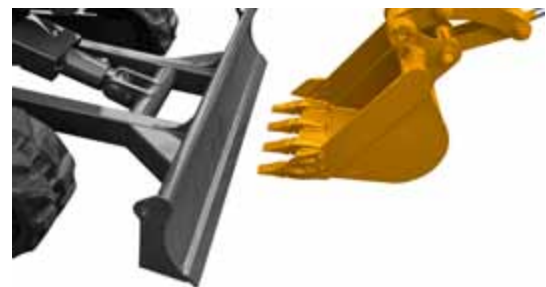
KUBOTA V2403-DI-EDM, 32.4 KW

High efficiency of power and torque, low fuel and oil consumption, fuel pollution emissions reduced to a minimum, easy maintenance with lower production and operation costs. It complies with the regulations in force concerning pollutants emissions.



ASYMMETRIC ARM AND MINIMUM TOTAL TURNING RADIUS

The asymmetric position of the arm compared to the fifth wheel, increases operator's digging visibility.

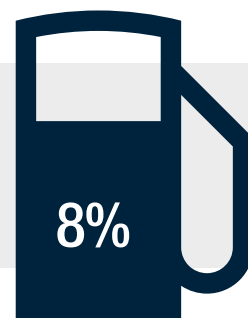
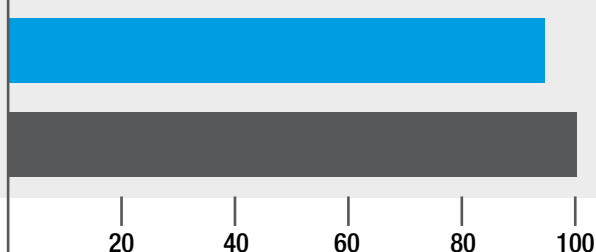


EASY SKIMMING WORK

The closer distance between bucket teeth and dozer blade makes it easier to smooth the ground.

LOW FUEL CONSUMPTION

55V4
previous model



SAVING

TECHNICAL DATA

Engine	Kubota V2403-DI-EDM
N° cylinders/displacement	4 / 2434 cc direct injection
Rated output	32.4 kW / 2400 rpm
Machine weight with cabin	5140 / 5180 kg (rubber shoe / steel shoe)
Operating weight with cabin	5575 / 5625 kg (rubber shoe / steel shoe)
Max. digging depth	3590 / 3830 mm (with long arm)
Front turning radius	2420 / 2460 mm (with long arm)
Bucket digging force	3160 kgf
Standard bucket width	650 mm
Standard bucket capacity	0.16 m ³

60V4

MAXIMUM OPERATING CAPABILITY

The high-power engine, combined with a hydraulic system featuring variable displacement pumps, allows top-of-the-range performance. A bucket digging force of 41.2 kN translates into maximum digging capability, even on particularly compacted ground.

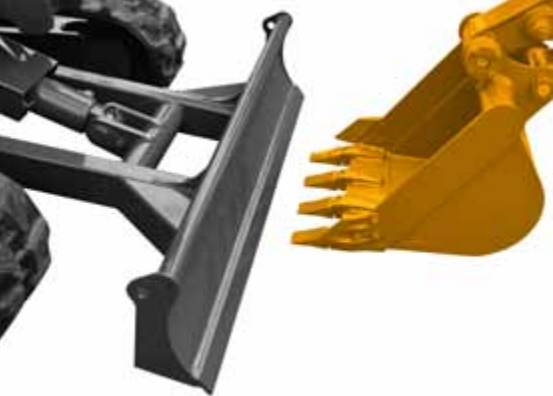


FRONT TURNING RADIUS:
2450 MM

REAR TURNING RADIUS:
1120 MM

HIGH CAPACITY TANK
The tank with a capacity of
as much as 66 litres ensures
excellent operating and
productive autonomy

MINI-EXCAVATORS 3.0 / 8.5 TONS



EASY SKIMMING WORK

The closer distance between bucket teeth and dozer blade makes it easier to smooth the ground.



3 pumps are used for independent operations of the boom, arm and swing.



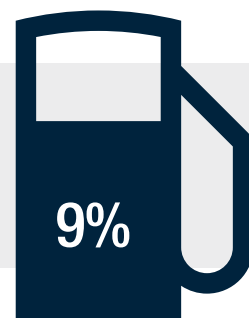
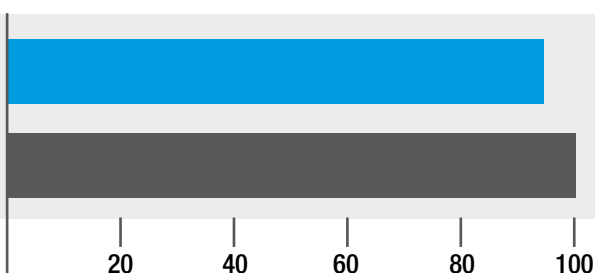
KUBOTA V2403-DI-EDM, 32.4 KW

High efficiency of power and torque, low fuel and oil consumption, fuel pollution emissions reduced to a minimum, easy maintenance with lower production and operation costs. It complies with the regulations in force concerning pollutants emissions.

LOW FUEL CONSUMPTION

60V4

previous model



SAVING

TECHNICAL DATA

Engine	Kubota V2403-DI-EDM
N° cylinders/displacement	4 / 2434 cc direct injection
Rated output	32.4 kW / 2400 rpm
Machine weight with cabin	5500 / 5540 kg (rubber shoe / steel shoe)
Operating weight with cabin	5575 / 5615 kg (rubber shoe / steel shoe)
Max. digging depth	3800 / 4040 mm (with long arm)
Front turning radius	2450 / 2470 mm (with long arm)
Bucket digging force	4200 kgf
Standard bucket width	700 mm
Standard bucket capacity	0.18 m³

85V4

MAXIMUM PERFORMANCES IN CONFINED SPACES

The midi-excavator 85V4 is synonymous with power and stability.

Thanks to the rear frame, it is possible to dig and load in complete safety even close to walls or places with little room available.

The speed of rotation of 9 rpm combined with a bucket digging force of 55 kN enable optimum performance during work.



FRONT TURNING RADIUS:
2640 MM
REAR TURNING RADIUS:
1450 MM

HIGH CAPACITY TANK
The tank with a capacity
of as much as 110 litres
ensures excellent operating
and productive autonomy

MINI-EXCAVATORS 3.0 / 8.5 TONS



COUNTERWEIGHT

The 85V4 is provided as std. with a counterweight. The counterweight and the greater length of the tracks give the machine more stability in every working situation.



YANMAR 4TNV98C - VIK OF 42.7 KW

The Yanmar 4TNV98C motor version VIK is compliant with the antipollution regulations Stage IIIB - Tier4. Injection Common rail, auto idle and Eco mode lower consumption up to al 15%. The particle filter enables work even in the urban centres of the communities most concerned with pollution.



HYDRAULIC SYSTEM

The system features two Bosch Rexroth variable-capacity pumps mounted in series, one gear pump and a classic dispenser, without any electronic controls. Compared to the previous model, speed of the arm and indenter increases by 10%.



ARM STABLE OVER TIME

The arm is connected to the turret by a tilt casting block of considerable dimension and a unique 520 mm pin.



MORE STRENGTH AND SPEED

Compared to the previous model, the maximum hydraulic capacity has increased by 6% and variable cylinders hydraulic motors are Nabtesco. With a traction force of 10% stronger, the 85V4 assures a speed range that extends both downwards and upwards (from 2.5 to 4.4 km/h). The gear is automatic.



A WORLD OF BENEFITS

Greater performance and efficiency than the previous model.

Stability increased by 8% compared to the 80VX.

10% faster work cycles.

Traction force increased by 10%.

With Eco and auto idle operating modes, at the same power consumption is reduced by up to 15%.

Top class machine turret/arm embossing with a single 520 mm pin and thick casting block.

In addition to the standard 1780 mm forearm, a 2080mm version is available.

All greasing points are accessible but protected.

First serial auxiliary line with joystick proportional control. A second and third line are available from the facility.

High visibility (integral door glass) and standard air conditioning.

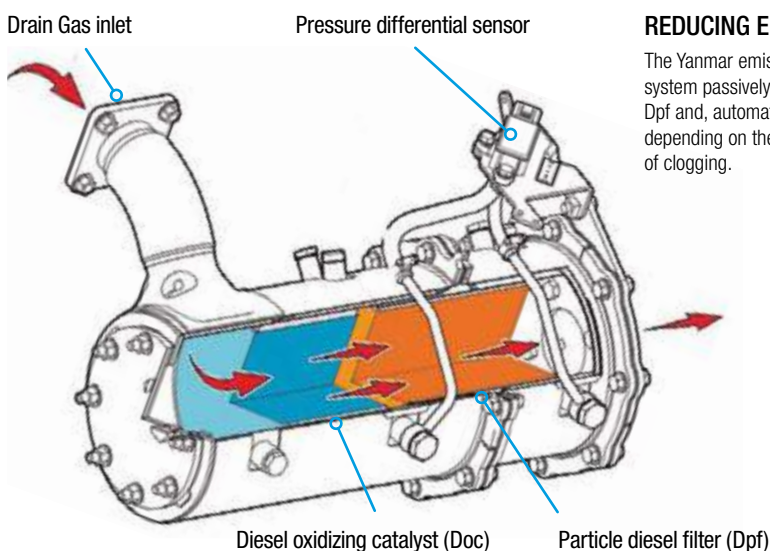
Properly placed and recognizable hydraulic pipes, well-protected electrical system, Ecu control unit in the cabin.

Full attention from the design stage to limit the environmental impact that the 85V4 will sustain throughout its life cycle.



STANDARD AIR CONDITIONER

The condenser is positioned horizontally to favour side visibility and the cooling fan is thermoregulated to contain noise emissions. With three selectable speeds; the condenser cooling fan is independent and thermostatic (less fuel consumption and lower acoustic pressure in the cabin).



REDUCING EMISSIONS

The Yanmar emission reduction system passively regenerates the Dpf and, automatically actively, depending on the detected level of clogging.



ROPS TOPS APPROVED CABIN

The 85V4 is equipped with a TOPS certified anti-tilting cabin, ROPS against rolling and FOPS falling objects protection. The spacious cabin offers great comfort to the operator: large interior space, large glazed surfaces, removable front windscreen easily positioned under the roof, sliding side window and an effective heating system. The cabin door enables to easily access the driving position also thanks to the grab rails.



MINI-EXCAVATORS 3.0 / 8.5 TONS



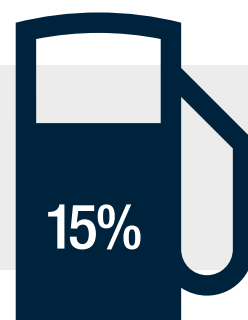
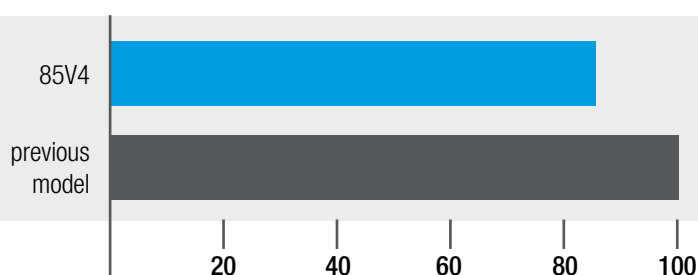
POWER AND STABILITY

The top of the V4 series



DOWN WITH CONSUMPTIONS WITH SERIAL AUTO IDLE

When the manipulators remain idle for 4 seconds, Auto Idle sets the engine regime to minimum. As soon as the controls are operated, the regime increases.



SAVING

TECHNICAL DATA

Engine	Yanmar 4TNV98C VIK
N° cylinders/displacement	4 / 3318 cc direct injection
Rated output	42.7 kW / 2100 rpm
Machine weight with cabin	8440 / 8490 kg (rubber shoe / steel shoe)
Operating weight with cabin	8515 / 8550 kg (rubber shoe / steel shoe)
Max. digging depth	4020 / 4320 mm (with long arm)
Front turning radius	2640 / 2720 mm (with long arm)
Bucket digging force	5610 kgf
Standard bucket width	760 mm
Standard bucket capacity	0.25 m ³

features

30V4

35V4

GENERAL SPECIFICATIONS		
Standard bucket capacity (ISO)	0.09 m ³	0.11 m ³
Standard bucket width	550 mm	600 mm
Machine weight RS/SS* Canopy	3030 / 3080 kg	3450 / 3500 kg
Machine weight RS/SS* Cabin	3180 / 3230 kg	3600 / 3650 kg
Operating weight RS/SS* Canopy	3105 / 3155 kg	3525 / 3575 kg
Operating weight RS/SS* Cabin	3255 / 3300 kg	3675 / 3725 kg
Counterweight weight	200 kg (additional)	-
Transport dimensions	4440 x 1550 x 2480 mm	4750 x 1550 x 2470 mm
Gradeability	30°	30°
Ground contact pressure (Cabin)	29.0 kPa (0.30 kgf / cm ²)	31.0 kPa (0.32 kgf / cm ²)
Minimum ground clearance	310 mm	255 mm
* RS/SS Rubber Shoe/Steel Shoe		
ENGINE		
Model	Yanmar 3TNV88	Yanmar 3TNV88
N° cylinders and displacement	3 / 1642 cc direct injection	3 / 1642 cc direct injection
Bore for stroke	88 x 90 mm	88 x 90 mm
Rated output (ISO 1585)	17.5 kW a 2200 rpm	17.5 kW a 2200 rpm
Fuel consumption	238 g / kWh	238 g / kWh
Engine oil pan capacity	6.7 L (Maximum level)	6.7 L (Maximum level)
ELECTRICAL SYSTEM		
Voltage	12 V	12 V
Battery	12 V - 55 Ah	12 V - 55 Ah
Alternator	12 V - 40 A	12 V - 40 A
Starter motor	12 V - 1.7 kW	12 V - 1.7 kW
HYDRAULIC SYSTEM		
Pumps maximum flow rate	37.4 L / min x 2 + 23.1 L / min	37.4 L / min x 2 + 23.1 L / min
Max Pressure / Setting	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)
Control	hydraulic remote control	hydraulic remote control
DOUBLE ACTION HYDRAULIC CIRCUIT FOR ACCESSORIES		
Maximum flow rate	60.0 L / min	60.0 L / min
Max. setting pressure	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)
END-OF-STROKE CUSHIONING		
boom cylinder	rod fully extended	rod fully extended
arm cylinder	rod fully retracted	rod fully retracted
SLEWING SYSTEM		
Slewing speed	9 min ⁻¹	9 min ⁻¹
Upper structure braking	automatic multi-disc brake	automatic multi-disc brake
BUCKET PERFORMANCE		
Max bucket digging force (ISO 6015)	29.1 kN (2970 kgf)	29.1 kN (2970 kgf)
Max arm digging force (ISO 6015)	18.1 kN (1850 kgf)	17.1 kN (1743 kgf)
LOWER FRAME		
Undercarriage gauge	1550 mm	1550 - 1800 mm
Undercarriage length	2100 mm	2260 mm
Tracks width	300 mm	300 mm
Lower/upper rollers	4 / 1	4 / 1
Track tension	tension spring and grease cylinder	tension spring and grease cylinder
Blade dimensions (width x height)	1550 mm x 380 mm	1550 mm x 380 mm
Lift above ground	375 mm	385 mm
Drop below ground	440 mm	430 mm
TRAVEL SYSTEM		
Travel speed (1st/ 2nd)	2.7 / 4.7 km / h	2.7 / 4.7 km / h
CAPACITY		
Fuel Tank Capacity	42 L	42 L
Hydraulic reservoir capacity	33 L	33 L
Hydraulic circuit total capacity	50 L	50 L
Engine coolant	4.5 L	4.5 L
ARM SWING SYSTEM		
Right swing angle	80°	80°
Left swing angle	50°	50°
OTHER DATA		
Sound power level LWA (2000/14/EC)	94 dB	94 dB

MINI-EXCAVATORS 3.0 / 8.5 TONS

45V4

55V4

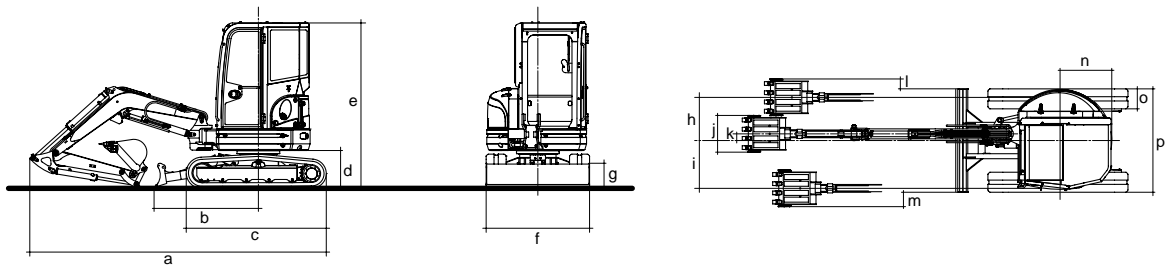
60V4

85V4

0.14m ³	0.16 m ³	0.18 m ³	0.25 m ³
600 mm	650 mm	700 mm	760 mm
4630 / 4670 kg	4990 / 5030 kg	5350 / 5390 kg	-
4780 / 4820 kg	5140 / 5180 kg	5500 / 5540 kg	8440 / 8490 kg
4705 / 4745 kg	5065 / 5105 kg	5425 / 5465 kg	-
4855 / 4895 kg	5215 / 5255 kg	5575 / 5615 kg	8515 / 8550 kg
290 kg (additional)	-	-	340 kg
5280 x 1990 x 2570 mm	5370 x 1990 x 2570 mm	5520 x 1990 x 2570 mm	6050 x 2200 x 2630 mm
30°	30°	30°	30°
28.0 kPa (0.29 kgf / cm ²)	30.0 kPa (0.31 kgf / cm ²)	32.0 kPa (0.33 kgf / cm ²)	41.0 kPa (0.42 kgf / cm ²)
320 mm	320 mm	320 mm	350 mm

Kubota V2403-DI-EDM	Kubota V2403-DI-EDM	Kubota V2403-DI-EDM	Yanmar 4TNV98C VIK
4 / 2434 cc direct injection	4 / 2434 cc direct injection	4 / 2434 cc direct injection	4 / 3318 cc direct injection
87 x 102.4 mm	87 x 102.4 mm	87 x 102.4 mm	98 x 110 mm
32.4 kW a 2400 rpm	32.4 kW a 2400 rpm	32.4 kW a 2400 rpm	42.7 kW a 2100 rpm
252 g / kWh	252 g / kWh	252 g / kWh	236 g / kWh
9.7 L (Maximum level)	9.7 L (Maximum level)	9.7 L (Maximum level)	10.2 L (Maximum level)
12 V	12 V	12 V	12 V
12 V - 92 Ah	12 V - 92 Ah	12 V - 92 Ah	12 V - 72 Ah
12 V - 40 A	12 V - 40 A	12 V - 40 A	12 V - 40 A
12 V - 2.0 kW	12 V - 2.0 kW	12 V - 2.0 kW	12 V - 3.0 kW
60 L / min x 2 + 44.2 L / min	60 L / min x 2 + 44.2 L / min	60 L / min x 2 + 44.2 L / min	75.6 L / min x 2 + 54.2 L / min
24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)
hydraulic remote control	hydraulic remote control	hydraulic remote control	hydraulic remote control
60.0 L / min	60.0 L / min	60.0 L / min	75.6 L / min
24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)	24.5 Mpa (250 kgf / cm ²)
rod fully extended	rod fully extended	rod fully extended	rod fully extended
rod fully retracted	rod fully retracted	rod fully retracted	rod fully retracted
9.3 min ⁻¹	9.3 min ⁻¹	9.3 min ⁻¹	9.0 min ⁻¹
automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake
31 kN (3160 kgf)	31 kN (3160 kgf)	41.2 kN (4200 kgf)	55.0 kN (5610 kgf)
24.2 kN (2470 kgf)	21.7 kN (2210 kgf)	24.0 kN (2450 kgf)	39.0 kN (3980 kgf)
1990 mm	1990 mm	1990 mm	2200 mm
2490 mm	2490 mm	2490 mm	2730 mm
400 mm	400 mm	400 mm	450 mm
4 / 1	4 / 1	4 / 1	5 / 1
tension spring and grease cylinder	tension spring and grease cylinder	tension spring and grease cylinder	tension spring and grease cylinder
1990 mm x 385 mm	1990 mm x 385 mm	1990 mm x 385 mm	2200 mm x 500 mm
460 mm	460 mm	460 mm	420 mm
430 mm	430 mm	430 mm	440 mm
2.9 / 4.6 km / h	2.9 / 4.6 km / h	2.9 / 4.6 km / h	2.5 / 4.4 km / h
66 L	66 L	66 L	110 L
56 L	56 L	56 L	75 L
75 L	75 L	75 L	125 L
10.1 L	10.1 L	10.1 L	11 L
80°	80°	80°	80°
50°	50°	50°	50°
97 dB	97 dB	97 dB	98 dB

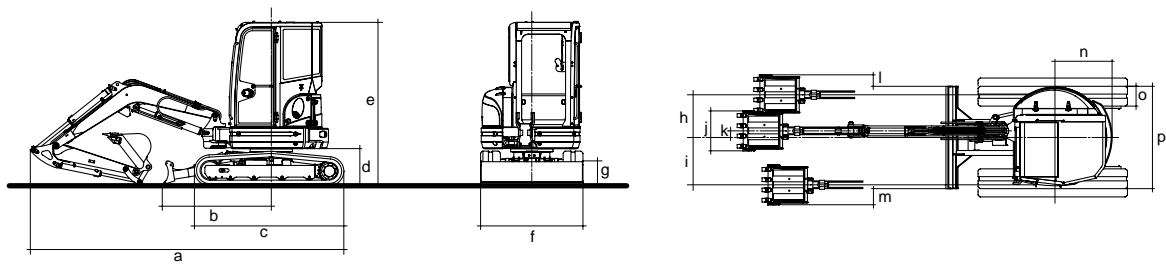
30V4



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
4440	1560	2100	570	2480	1550	380	650	720	550	100	150	220	775	300	1550

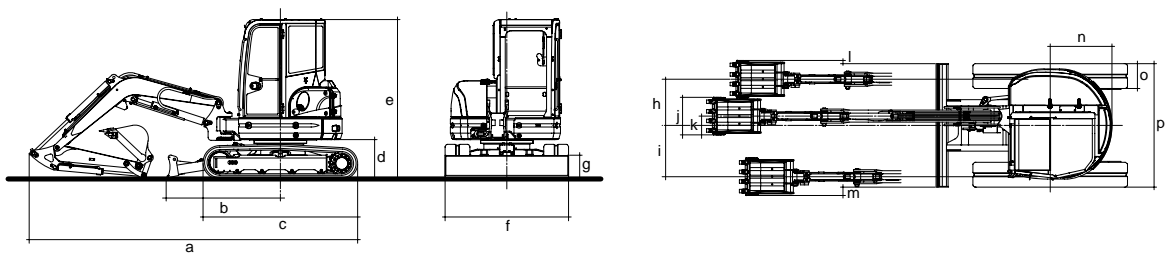
35V4



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
4750	1650	2260	560	2470	1550	380	650	720	600	100	175	245	865	300	1550-1800

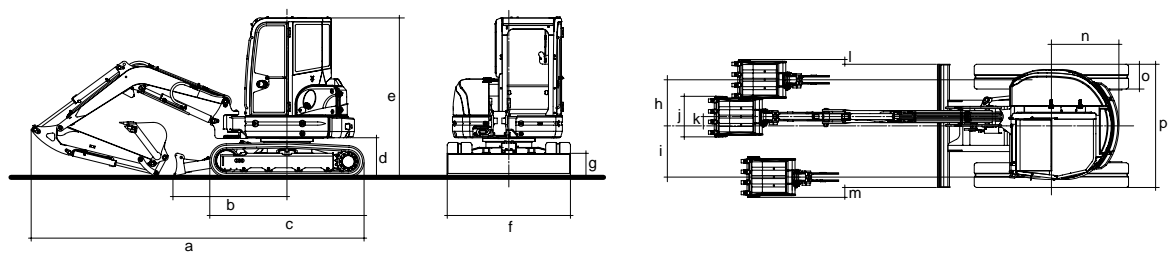
45V4



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
5280	1840	2490	640	2570	1990	385	750	830	600	150	55	135	995	400	1990

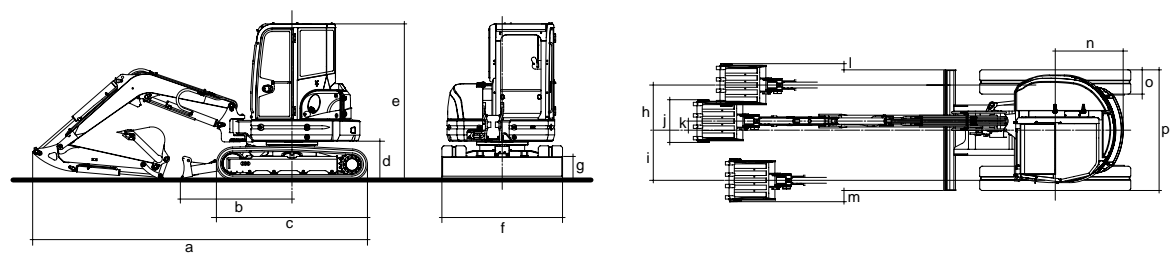
55V4



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
5370	1840	2490	640	2570	1990	385	750	830	650	150	80	160	1090	400	1990

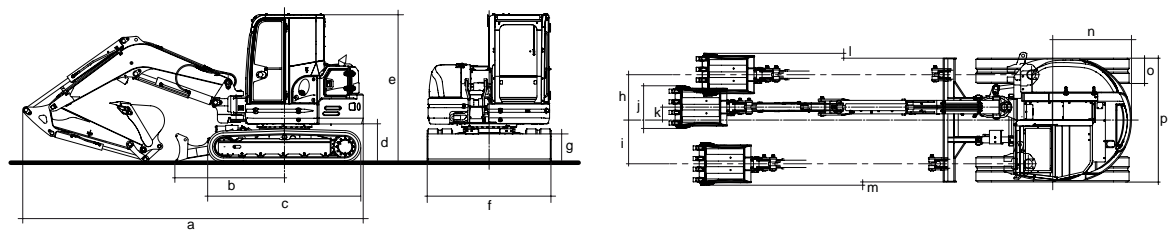
60V4



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
5520	1840	2490	640	2570	1990	385	750	830	700	150	105	185	1120	400	1990

85V4



DIMENSIONS (mm)

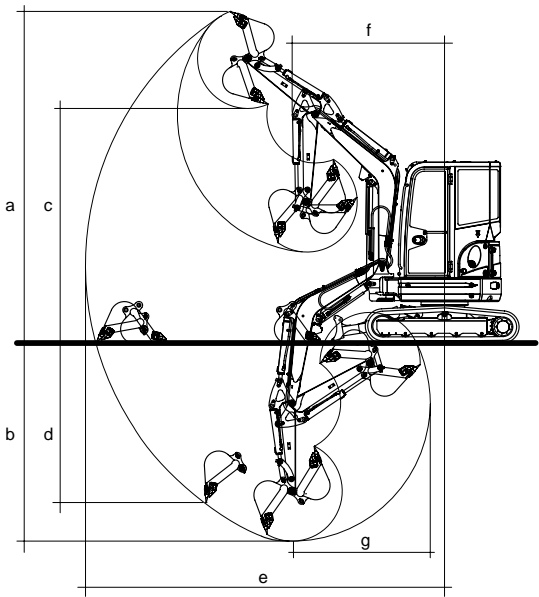
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
6050	1950	2730	690	2630	2200	500	810	780	760	230	90	60	1450	450	2200

equipment

	30V4	35V4	45V4	55V4	60V4	85V4
SUPPORT FRAME						
Rubber shoe (width mm)	300	300	400	400	400	450
Attachment points for lifting-anchoring-towing and lubrication of the swing cylinder foot	std	std	std	std	std	std
Variable gauge undercarriage (mm) - Backfill blade with extensions	-	1550-1800 1550	-	-	-	-
Steel shoe (width mm)	300 opt	300 opt	400 opt	400 opt	400 opt	450
ENGINE						
Two-phase dry air filter with visual clogging indicator	std	std	std	std	std	std
Electric pre-heating device	std	std	std	std	std	std
Fuel water separator	std	std	std	std	std	std
Fuel tank with drain plug	plastic material	plastic material	plastic material	plastic material	plastic material	steel
Engine speed adjustment	std	std	std	std	std	std
Auto-Idle and Eco-Mode (fuel consumption reduction)	std	std	std	std	std	std
ELECTRICAL SYSTEM						
12V battery with fuse box	std	std	std	std	std	std
DRIVING SEAT						
Longitudinal adjustment bucket seat, vinyl covering	std	std	std	std	std	std
Fabric seat	opt	opt	opt	opt	opt	std
Non-slip rubber mat	std	std	std	std	std	std
Wrist support	std	std	std	std	std	std
Seatbelt	with reel	with reel	with reel	with reel	with reel	with reel
High speed control	std	std	std	std	std	std
Travel control pedals	std	std	std	std	std	std
EQUIPMENT AND MONITORING DEVICES						
Worklight switch; auxiliary system control	std	std	std	std	std	std
Aux. system proportional control switch on joystick	std	std	std	std	std	std
Water temperature control instrument	analogue	analogue	analogue	analogue	analogue	analogue
Fuel level control instrument	analogue	analogue	analogue	analogue	analogue	analogue
Hour meter	std	std	std	std	std	std
Warning light for: preheating, engine oil pressure, battery charge, water temperature	std	std	std	std	std	std
High speed indicator light	std	std	std	std	std	std
Engine alarm device in case of overheating or low oil pressure	std	std	std	std	std	std
CANOPY VERSION						
FOPS protection against falling objects	std	std	std	std	std	std
TOPS and ROPS protection against tipping and rolling	std	std	std	std	std	std
CABIN VERSION						
TOPS / ROPS protection against tipping / rolling	std	std	std	std	std	std
FOPS protection against falling objects	opt	opt	opt	opt	opt	opt
Heating with fan	std	std	std	std	std	std
Front sliding window under the roof	std	std	std	std	std	std
Removable lower front window	std	std	std	std	std	std
Right-hand side sliding window	std	std	std	std	std	std
Grab handles and "full wide" door handle to facilitate closing from the inside	std	std	std	std	std	std
Radio pre-arrangement	std	std	std	std	std	std
Windscreen wiper and washer on front window	std	std	std	std	std	std
Rearview mirrors (right and left) kit for cabin	opt	opt	opt	opt	opt	opt
Back-up alarm	opt	opt	opt	opt	opt	opt
HYDRAULIC SYSTEM						
ISO assisted hydraulic controls	std	std	std	std	std	std
Pump gear / variable flow rate (std)	std	std	std	std	std	std
Hydraulic arm swing control	pedal	pedal	pedal	pedal	pedal	pedal
Track adjustment control	-	std	-	-	-	-
Worklight positioned centrally on the boom	std	std	std	std	std	std
DIGGING AND MOVING EQUIPMENT						
Boom (length mm)	2250	2450	2700	2700	2900	3150
Arm (length mm)	1200	1280	1350	1600	1600	1780
Long arm	+300mm (opt)	+300mm (opt)	+250mm (opt)	+250mm (opt)	+250mm (opt)	+300mm (opt)
Arm hydraulic swinging angle	140°	140°	140°	140°	140°	130°
Limit shock absorber on boom cylinder	std	std	std	std	std	std
Limit shock absorber on arm cylinder	std	std	std	std	std	std
Rapid attachment of mechanical accessories	opt	opt	opt	opt	opt	opt
Bucket in various dimensions	opt	opt	opt	opt	opt	opt
Loads handling device	opt	opt	opt	opt	opt	opt
HYDRAULIC CIRCUITS FOR ACCESSORIES						
Hydraulic circuit for hammer with direct return to tank for double-acting accessories	std	std	std	std	std	std
Second hydraulic circuit for double-acting accessories	opt	opt	opt	opt	opt	opt
Third hydraulic circuit for double-acting accessories	opt	opt	opt	opt	opt	opt
SAFETY AND COMFORT						
Operating and travel controls lock out to enable the operator to exit	std	std	std	std	std	std
Manual lock for the operating and travel controls	std	std	std	std	std	std
Diesel tank cap with lock and mesh filter	std	std	std	std	std	std
Glass breaker hammer in the cabin	std	std	std	std	std	std
Turret lock automatic brake	std	std	std	std	std	std
Boom cylinder anti-drift system	std	std	std	std	std	std
Horn	std	std	std	std	std	std
Air conditioning for the cabin	opt	opt	opt	opt	opt	std
Rear internal balance weight	-	opt	-	-	-	-
Rear balance weight	opt	-	opt	std	-	std

working range

the drawing is generic and is only for illustrative purposes



	30V4	35V4	45V4	55V4	60V4	85V4
A Maximum digging height	4630 / 4720* mm	4930 / 5020* mm	5380 / 5470* mm	5470 / 5610* mm	5710 / 5860* mm	6700 / 6920* mm
B Max. digging depth	2700 / 3000* mm	3080 / 3380* mm	3340 / 3590* mm	3590 / 3830* mm	3800 / 4040* mm	4020 / 4320* mm
C Maximum dumping height	3290 / 3390* mm	3430 / 3540* mm	3720 / 3820* mm	3820 / 3960* mm	4050 / 4200* mm	4700 / 4910* mm
D Maximum vertical digging depth	2210 / 2470* mm	2470 / 2750* mm	2520 / 2690* mm	2690 / 2930* mm	2980 / 3220* mm	3170 / 3460* mm
E Maximum digging radius	4900 / 5190* mm	5260 / 5540* mm	5760 / 5970* mm	5970 / 6200* mm	6200 / 6440* mm	6830 / 7110* mm
F Front turning radius	2080 / 2110* mm	2160 / 2200* mm	2320 / 2420* mm	2420 / 2460* mm	2450 / 2470* mm	2640 / 2720* mm
at right arm swing	1790 / 1820* mm	1870 / 1910* mm	2010 / 2100* mm	2100 / 2130* mm	2120 / 2130* mm	2150 / 2240* mm
G Maximum digging depth radius	2080 / 2080* mm	2120 / 2120* mm	2190 / 2140* mm	2140 / 2120* mm	1960 / 2250* mm	2710 / 2710* mm

* with long arm





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KATO IMER S.p.A.

53037 San Gimignano (SI) Loc. Cusona - Italy
Telephone: +39 0577 951 21 - Fax: +39 0577 982 400
info@katoimer.com | www.katoimer.com