

Yanmar presents new wheeled loaders

30 January 2018 by Yanmar Construction Equipment

Five new models are joining the Yanmar wheeled loaders range: the V80, V70S (with rotating front frame), V100 and V120. The Yanmar wheel loaders are economical and versatile enough to cope with a wide variety of applications. With their new engine technology and state-of-the-art operating concept, they are sure to be a hit on any construction site. They are productive, efficient and reliable. These workhorses never know when to stop: from gardening and agriculture to structural/civil engineering and municipal use.

Even when it's rough outside, the many features in the cab provide a very pleasant working environment. The control system for the machine uses innovative technology. The machines remain easy to handle, even when used in challenging conditions. This helps driver and machine deliver high productivity. A central control unit allows the machinery to be adjusted to the application and the driver. The 3.5" display shows machinery and engine data. The modern menu guide is similar to current smart phones. The windscreen, which domes inwards, minimises the mirror effect. With the fingertip control, electrical proportional activation of hydraulic functions is simple thanks to a thumbwheel on the joystick. This enables the operator to regulate the oil flow with real precision, all the way from "zero" to "full", which makes it considerably easier to use attachments such as folding buckets, high-tip buckets, or sweepers.

Responsive, ready for the task at hand, and intuitive: the wheel loaders deliver power exactly where needed – the results are fast working cycles, low fuel consumption, and minimal wear. When used at a densely built-up location or construction sites with limited space, the articulated steering delivers great manoeuvrability with its 40° steering angle. The articulated steering also allows the bucket to approach the load in a straight line, even at the maximum steering angle. This affords the operator greater flexibility in terms of picking up pallets or setting down loads. The oscillating rear axle has a wide slewing angle of 10°, keeping all 4 wheels in contact with the ground at all times, even when working on uneven ground. The operator also sits parallel to the work attachment at all times. With a Yanmar wheel loader, only the rear axle oscillates – unlike other manufacturers, where the whole of the rear end oscillates. This means the weight of the machine is always moving in the same direction as the bucket, which in turn increases the pressure on the ground when backing up. All compact Yanmar wheel loaders are fitted with permanent all-wheel drive and automatic self-locking differentials on the front and rear axles (35% locking effect). Both provide enhanced traction when traveling in a straight line and turning corners – perfect for bucket loading. The self-locking differentials are activated automatically as required. They are also fitted with a brake/inching pedal for precise manoeuvre commands and fast working cycles. This function allows the operator to divert the engine's power from the travel drive to

the working hydraulics for fast lifting and setting down of loads.

Included as standard on all machines, the parallel kinematics system allows you to lift a load quickly and precisely without constantly having to adjust the loading angle. While the kinematics system takes care of the stroke angle, the operator is free to concentrate on where exactly to set down the load. The parallel kinematics system optimises work cycles when loading and unloading the second row on a truck. The clever design ensures the tilt control lever does not collide with the body of the truck.

In order to provide a wheel loader adapted for the job, Yanmar offers numerous equipment packages and additional equipment. Using equipment tailored to the job helps increase productivity, reduce wear and damage.

Source: Yanmar Construction Equipment Europe S.A.S.