

<b>Engine (EURO 3 / TIER 3)</b>			
direct injection		YANMAR	YANMAR
model		3TNV82A - KVA	3TNV88 - KVA
max.power (ISO)	HP / kW	29 / 22	36 / 26
rated speed	rpm	2800	2800
max. torque	Nm	82,8	102,3
max. torque speed	rpm	1680	1680
displacement	cm <sup>3</sup>	1330	1642
cylinders / valves	No.	3 / 6	3 / 6
water cooling		STD	STD
fuel tank capacity	liters	50	50
<b>Transmission</b>			
synchronized gear 8 FWD + 4 REV			STD
max. speed 25 km/h			STD
<b>Independent power take-off</b>			
control			mechanical
1 speed 540 rpm			STD
1" 3/8 (34,9 mm) PTO shaft with 6 splines			STD
ground speed PTO			STD
<b>Front axle</b>			
four-wheel drive			disconnectable
max oscillation angle			degrees ± 15
differential locks			mechanical
<b>Direction</b>			
hydraulic			STD
max. steering angle			45°
<b>Brakes</b>			
control raise / lower / float			mechanical
rear oil-bath disc brakes			STD
<b>Hydraulic power lift</b>			
Up-Down-Float control			STD
draft control system			OPT
lift capacity			kg 900
hydraulic pump flow rate (lift + steering system)			l/min 27
standard three-point hitch			1 <sup>a</sup> cat
no. 1 rear control valve (double-acting)			STD
<b>Driving seat</b>			
semiplatform			STD
sprung seat			STD
folding safety frame			STD
<b>Towing hook</b>			
EC			STD
<b>Tyres on request</b>			
front and rear			7.50-16 / 9.50-20
front and rear			7.50-16 / 300/70-20
front and rear			260/70-16 / 300/70-20
<b>Weights (in running order without driver)</b>			
total	kg.		1215
front axle	kg.		735
rear axle	kg.		480
<b>Dimensions</b>			
overang	mm		900
wheelbase	mm		1240
total length	mm		2918
ground clearance	mm		298
height to steering wheel	mm		1095
height to ROPS	mm		2015
front track	Min./Max. mm		898 / 1202
front width	Min./Max. mm		1128 / 1392
rear track	Min./Max. mm		870 / 1106
rear width	Min./Max. mm		1110 / 1346

Key: STD = standard; OPT = optional; - = not available



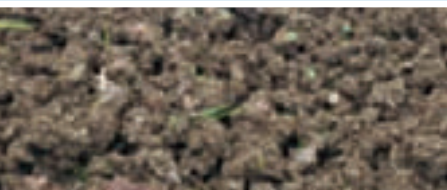
# 4500 Series

4535 VRM - 4545 VRM

VARIANT



**VALPADANA**  
think compact



## ROPS

An approved front folding ROPS ensures the safety of the operator, while allowing him to work comfortably in glasshouses or under canopy crops and large-crown trees.

## ENGINES

Yanmar three-cylinder, liquid-cooled, direct-injection engines offering 29 and 36 HP. Meeting the Euro 3 standards, these engines ensure over 8 hours of operation without refuelling thanks to a large 50-liter fuel tank.

## CHASSIS

The chassis with  $\pm 15^\circ$  axle oscillation provides maximum traction on all terrains, while keeping the vehicle's centre of gravity low for optimum stability of the tractor/implement combination and increased safety on slopes.

## + STEERING SYSTEM

**Unico isodiametrico** con martinetto unico "central drive" e angoli di sterzata differenziati per un raggio di svolta da record. Questa innovativa soluzione aumenta la semplicità costruttiva e l'efficienza del sistema sterzante.

## + TRANSMISSION

The only "low-power" equal-wheeled tractor offering a **synchronesh transmission with 8 forward and 4 reverse speeds** and controls to the side of the steering wheel. The specially-designed synchronisers allow the gears to be changed quickly while the tractor is running, without damage to the transmission, thus making for simple driving and high performance during transport operations and long road transfers.

## DRIVING POSITION

The transmission control levers fitted to the side of the adjustable steering wheel and the ergonomically-arranged controls make the driving position mounted on semi-platform the most comfortable and clean in its class.

## + BRAKES

The only "low-power" equal-wheeled tractor with **internal wet multi-disc brakes** to deliver superior braking performance in any condition with no need for maintenance or adjustment. This braking system increases considerably the active safety of the vehicle, making it ideal for work on sloping terrain and transport operations, or in any situation requiring the use of the steering brakes.



### PASSIVE SAFETY

Perfectly in line with current regulations on work safety, the 4500 series tractors provide a comfortable and safe driving position.



### ACTIVE SAFETY

The powerful braking system and the improved axle oscillation combine with excellent traction and unequalled stability on all terrains, maximizing the active safety of the tractor.

### VISIBILITY

The compact and clean design of the tractor offers the operator 360-degree all-round visibility.

### TRACTION

The oversized rear wheels, the four-wheel drive and the differential locking system provide perfect grip and maximum traction in any condition. The four-wheel drive can be disengaged to minimize soil damage when maximum traction is not required.

### + POWER TAKE-OFF

The only **"low-power" equal-wheeled tractor with a fully independent PTO engageable via a wet multi-disc clutch.** This system enables the PTO shaft to rotate independently of the transmission thanks to a clutch and a dedicated control device. This allows the operator to start or stop the rotation of the PTO shaft while the tractor is moving or to keep the implement rotation constant both while changing gears and while operating the clutch pedal for starting and stopping the vehicle.

### POWER LIFT

Standard power lift with raise/lower/float controls. Lowering speed adjustment and draft control available as options. Maximum lift capacity of 900 kg with doubly-adjustable lifting bars and category 1 three-point hitch.

The 4500 series completes the range of Valpadana "low-power" equal-wheeled tractors. While compact in design, the 4500 tractors are high added-value vehicles that provide superior performance and unique technical features. Supplied in a variety of configurations, they are ideally suited for use in intensive crops such as orchards and vineyards, in glasshouses and nurseries, for the maintenance of green areas and for farm management tasks. These small, ultra-compact tractors are the first and only ones, in the 30 to 40 HP power range, to offer a **liquid-cooled, direct-injection engine, a powerful wet-type multi-disc braking system, a synchromesh transmission with 8 forward and 4 reverse speeds and a fully independent PTO with a specially-built wet multi-disc clutch.**

# 4500 Series: the small tractors are back!