

VVN

## Hydraulic excavators

Easymaintenance & outstanding after-sales services  
Complete line of applications and accessories  
Roll over protection system



Models described in the catalog:

VVN HE 60 / VVN HE2 60

VVN HE 86 / VVN HE2 86

VVN HE 140 / HE2 140

VVN HE 212

VVN HE 218

VVN HE 220

VVN HE 221

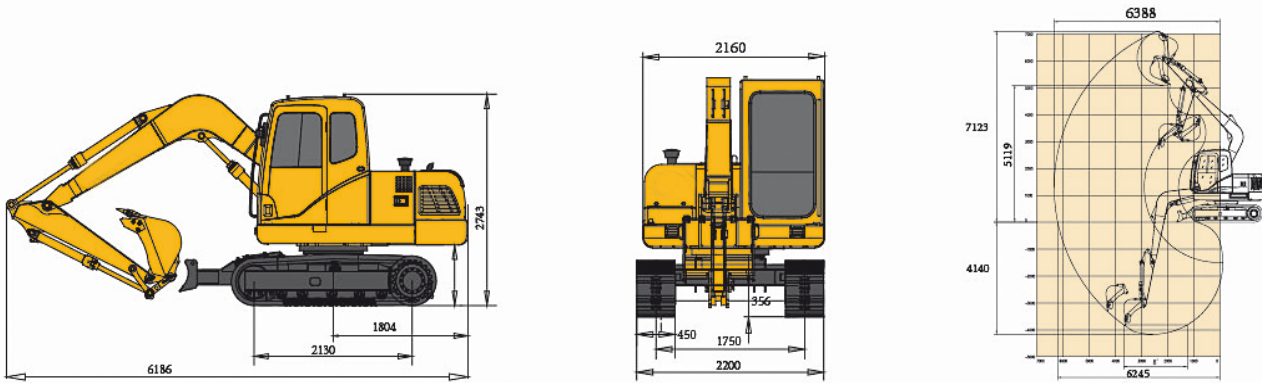
VVN HE 340

VVN HE 343

VVN HE 482

# VVN HE 86 / VVN HE2 86

## overall specifications



Operating Weight	Summary	<b>Operating weight: 8600kg</b> The operating weight includes the weight of 3720mm boom, 1665mm standard arm, 0.36m <sup>3</sup> bucket, 450mm track shoes, lubricating oil, coolant, the full diesel oil tank and the rest standard configuration units.	
	Ground pressure	37 kPa	
Bucket Capacity	Standard	0.36 m <sup>3</sup>	
	Option range	0.1-0.42 m <sup>3</sup>	
Engine	Model	Yanmar 4TNV98T-SFN (Euro II)	Yanmar 4TNV98T-ZSLK (Euro IIIA)
	Rated power	57.7 kW (78.5 hp) /2200 rpm	54.1 kW (73.8 hp) /2200 rpm
	Max. torque	312 N.m/1500 rpm	312 N.m/1500 rpm
	Displacement	3.319 L	3.319 L
Hydraulic System	Main pump	Axial variable piston pump	
	Max. flow of system	74.8×2 L/min	
	Max.pressure of Implements	27.4 MPa	
	Max. pilot pressure	3.7 MPa	
	Swing motor	Piston Type (with safety valve and closed type brake)	
	Swing speed	11.69 rpm	
	Travel motor	Piston Type (with safety valve and closed type brake)	
	Travel speed	2.8/4.5 km/h	
	Gradeability	35°(70%)	
	Max. traction	75.2 kN	
	Max. arm digging force	38 kN	
Fluid Capacity	Fuel tank	146 L	
	Hydraulic oil tank	120 L	
Undercarriage	Standard track shoes width	450 mm	
	No. of track shoes	38 (each side)	
	No. of carrier rollers	1 (each side)	
Electrical System	No. of track rollers	5 (each side)	
	System voltage	24 V	
Optional Equipments	Battery capacity	12 V, 100 Ah	
		500mm width triple grouser shoes Hydraulic hammer and pipeline Quick-change coupler pipeline Bidirectional auxiliary pipeline	Cab protecting nets Track rubber block



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