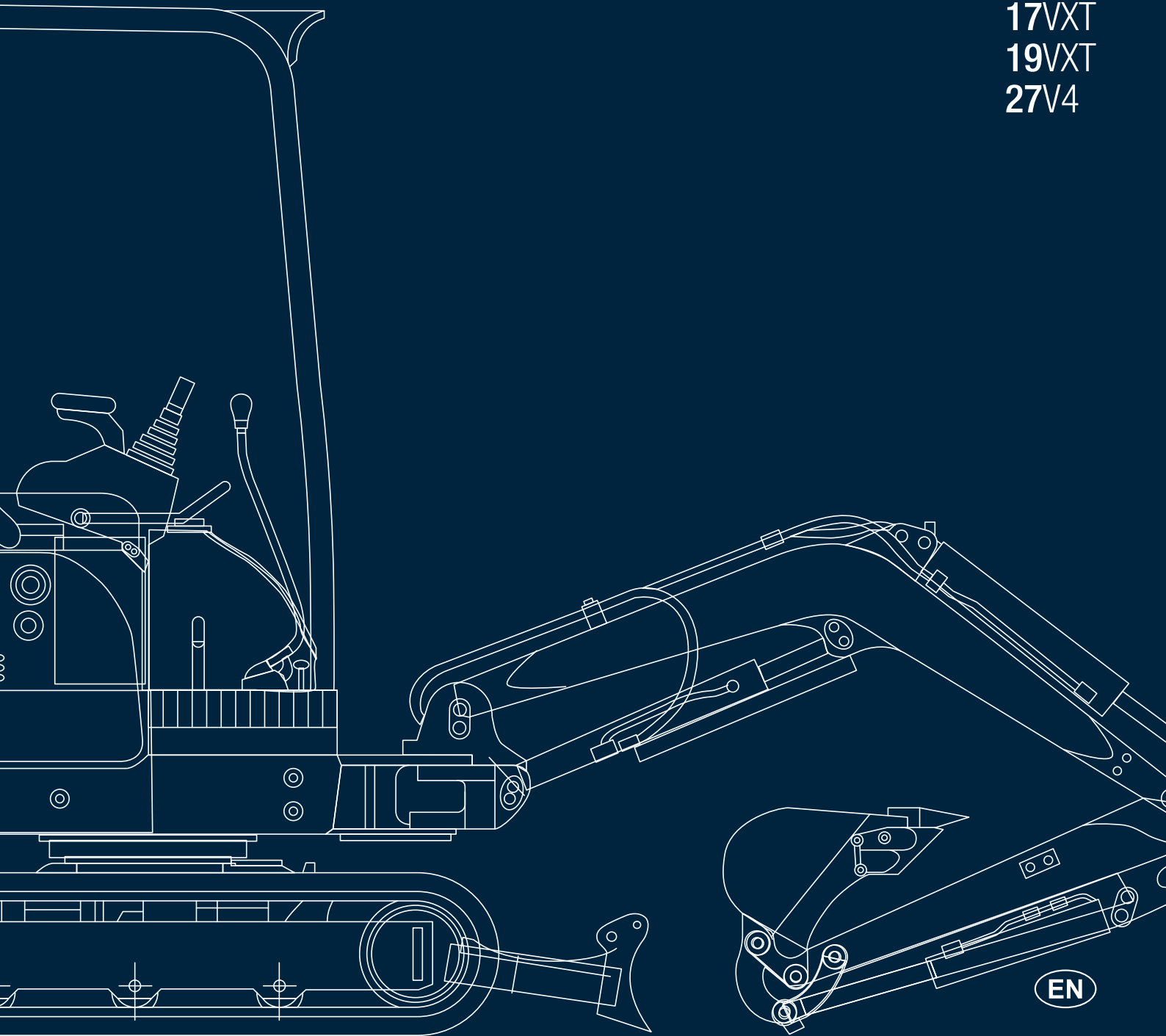


MINI-EXCAVATORS

0.9 / 2.7 TONS

9VXE
12VXE
17VXE
17VXT
19VXT
27V4



19VXT

VARIABLE GAUGE UNDERCARRIAGE

Ideal for operating in rough and narrow places, thanks to the expandable undercarriage (from 980 to 1300 mm) operated by an electric control located on the blade control lever, it offers high operating stability and versatility.

With an operating weight of 1745 kg, the 19VXT is the top machine in its category.



MINI-EXCAVATORS 0.9 / 2.7 TONS

DIGGING AREA

The 17VXT and 19VXT models offer optimum 360° visibility, both for the version with canopy and that with cab, thanks to large windows. Two adjustable front work lights, protected to prevent accidental breakage, allow the operator to make use of optimum lighting of the work area. The arm geometries offer excellent digging performance down to a depth of 2460 mm.

AUXILIARY SYSTEM

The VXT series is equipped with an auxiliary hydraulic circuit for the use of accessories, with prearrangement of the system up to the foremost arm in the 17VXT and 19VXT.

A deviator valve selects single - or double - action operation.



HIGH COMFORT FOR THE OPERATOR

The work station is comfortable thanks to the adjustable sprung seat, ergonomic controls and servo-assisted joy-sticks that ensure maximum precision. The machines can be fitted with cabs with radio, openable front window, windscreen wiper, heater and rear glove box that ensure a high quality standard. If the driving position is abandoned, a system inhibits all operation functions concerning the first arm, foremost arm, bucket, upper frame rotation and travel.



AVAILABLE IN CAB VERSION

Featuring an innovative and refined design, the cabs of VXT series mini-excavators ensure maximum protection for the operator. Both the cab and the canopy (with 4 uprights) comply with international standards: TOPS (side tipping protection), ROPS (rollover protection) and FOPS (protection against objects falling from above). The harmonious shapes of the cabs and the ample windows are designed to offer comfort and optimum operating visibility.



TECHNICAL DATA

Engine	Yanmar 3TNV70
N° cylinders/displacement	3 / 854 cc direct injection
Rated power	10.5 kW / 2300 rpm
Machine weight with rubber shoe	1670 / 1830 kg (canopy / cab)
Operating weight	1745 / 1905 kg (canopy / cab)
Max. digging depth	2460 mm
Front turning radius	1663 mm
Bucket digging force	1600 kgf
Standard bucket width	400 mm
Standard bucket capacity	0.044 m ³

17VXT

19VXT

27V4

0.044 m ³	0.044 m ³	0.064 m ³
400 mm	400 mm	500mm
1655 / 1815 kg	1670 / 1830 kg	2560 / 2730 kg
1730 / 1890 kg	1745 / 1905 kg	2635 / 2805 kg
3590 x 980 x 2345 mm	3665 x 980 x 2340 mm	4000 x 1550 x 2460 mm
30°	30°	30°
26.3 kPa (0.27 kgf / cm ²) / 27.8 kPa (0.29 kgf / cm ²)	26.6 kPa (0.27 kgf / cm ²) / 28.3 kPa (0.29 kgf / cm ²)	31 kPa (0.32 kgf / cm ²) / 32.3 kPa (0.33 kgf / cm ²)
220 mm	380 mm	300 mm

Yanmar 3TNV70	Yanmar 3TNV70	SHIBaura S773-C
3 / 854 cc direct injection	3 / 854 cc direct injection	3 / 1131 cc
70 x 74 mm	70 x 74 mm	77 x 81 mm
10.5 kW / 2300 rpm	10.5 kW / 2300 rpm	13.6 kW / 2400 rpm
279 g / kWh	279 g / kWh	280 g / kWh
3.8 L (Maximum level)	3.8 L (Maximum level)	4.2 L (Maximum level)

12 V	12 V	12 V
12 V - 45 Ah	12 V - 45 Ah	12 V - 60 Ah
12 V - 20 A	12 V - 20 A	12 V - 40 A
12 V - 1.1 kW	12 V - 1.1 kW	12 V - 2.0 kW

17.2 x 2 + 12 L / min	17.2 x 2 + 12 L / min	28.8 L / min x 2 + 19.2 L / min
20.6 MPa (210 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)	21.6 MPa (220 kgf / cm ²)
hydraulic remote control	hydraulic remote control	hydraulic remote control

29.2 L / min	29.2 L / min	48.0 L / min
20.6 MPa	20.6 MPa	21.6 MPa (220 kgf / cm ²)

rod fully extended	rod fully extended	rod fully extended
-	-	rod fully extended

9.4 min ⁻¹	9.4 min ⁻¹	9 min ⁻¹
automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake

15.7 kN (1600 kgf)	15.7 kN (1600 kgf)	21.0 kN (2140 kgf)
10.3 kN (1050 kgf)	9.4 kN (950 kgf)	14.0 kN (1430 kgf)

1570 mm	1570 mm	1900 mm
-	980 / 1300 mm	-
230 mm	230 mm	250 mm
3	3	3/1

tension spring and grease cylinder	tension spring and grease cylinder	tension spring and grease cylinder
980 mm x 235 mm	980-1300 mm x 235	1550 mm x 380 mm
220 mm	220 mm	355 mm
340 mm	340 mm	410 mm

2.1 / 4.1 km / h	2.1 / 4.1 km / h	2.5 / 4.4 km / h
------------------	------------------	------------------

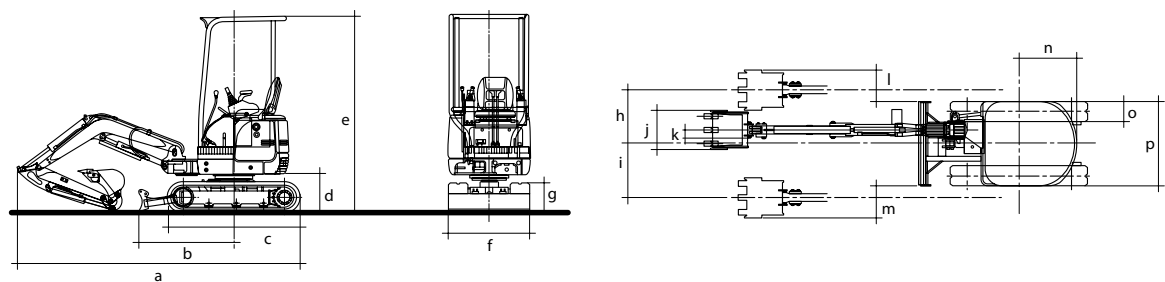
20 L	20 L	42 L
19 L	19 L	33 L
23 L	23 L	50 L
3.6 L	3.6 L	4.4 L

80°	80°	80°
55°	55°	50°

92 dB	92 dB	93 dB
-------	-------	-------



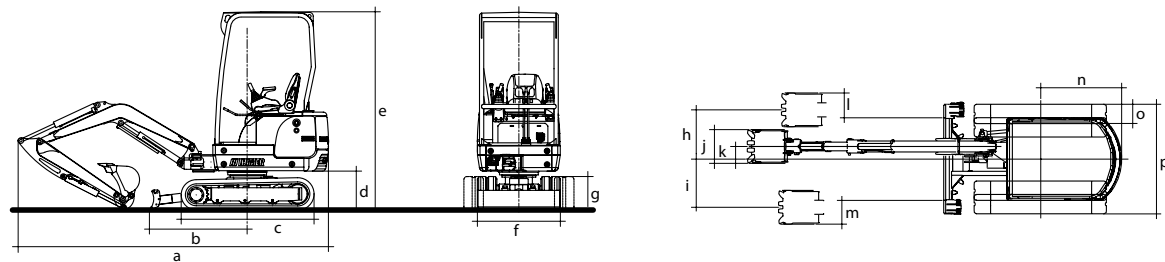
17VXT



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
3486	1154	1570	462	2345	980	395	585	571	430	150	294	282	1030	230	980

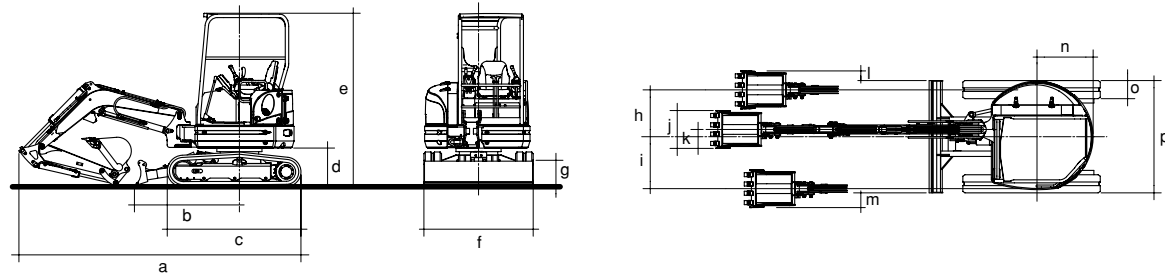
19VXT



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
3665	1154	1570	459	2340	980 / 1300	395	585	571	430	150	294	282	960	230	980 / 1300

27V4



DIMENSIONS (mm)

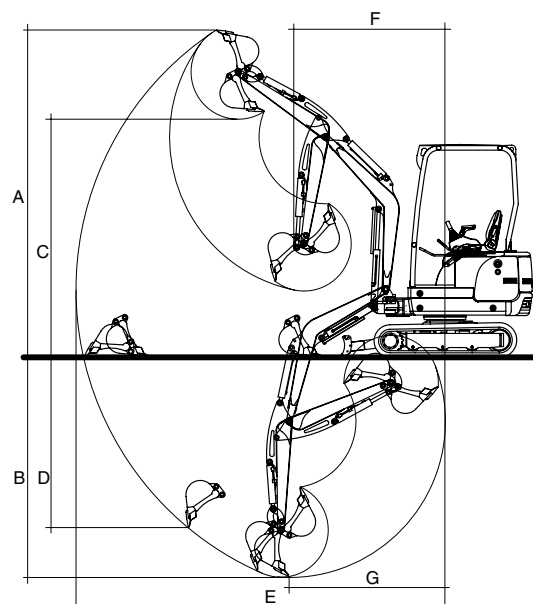
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
4000	1490	1900	550	2460	1550	380	650	720	500	100	125	195	775	250	1550

equipment

	9VXE	12VXE	17VXE	17VXT	19VXT	27V4
SUPPORT FRAME						
Rubber shoe (width mm)	180	200	230	230	230	250 (300 opt)
Attachment points for lifting-anchoring-towing and lubrication of the swing cylinder foot	std	std	std	std	std	std
Variable undercarriage (mm) - Backfill blade with extensions	700-950	870-1135	980-1300	-	980-1300	-
Steel tracks (width mm)	-	-	230 opt	230 opt	230 opt	250 opt
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
Plastic fuel tank with drain plug	std	std	std	std	std	std
Engine speed adjustment	std	std	std	std	std	std
Auto-Idle and Eco-Mode (fuel consumption reduction)	-	-	-	-	-	-
ELECTRICAL SYSTEM						
12 V battery with fuse box	std	std	std	std	std	std
DRIVING SEAT						
Longitudinal adjustment bucket seat, vinyl covering	-	std	std	std	std	std
Fabric seat	-	-	-	opt	opt	opt
Non-slip rubber mat	std	std	std	std	std	std
Wrist support	-	std	std	std	std	std
Seatbelt	-	with reel	std	std	std	with reel
High speed control	std	std	std	std	std	std
Travel control pedals	-	std	std	std	std	std
EQUIPMENT AND MONITORING DEVICES						
Worklight switch; auxiliary system control	std	std	std	std	std	std
Aux. system proportional control button on joystick	-	-	-	-	-	std
Water temperature control instrument	-	digital	analogue	analogue	analogue	analogue
Fuel level control instrument	visual	digital	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
Engine alarm device in case of overheating or low oil pressure	std	std	std	std	std	std
CANOPY VERSION						
FOPS protection against falling objects	-	opt	std	std	std	std
TOPS protection against tipping	-	std	-	-	-	-
TOPS and ROPS protection against tipping and rolling	opt	-	std	std	std	std
CAB VERSION						
TOPS / ROPS protection against tipping / rolling	-	-	-	std	std	std
FOPS protection against falling objects	-	-	-	opt	opt	opt
Heating with fan	-	-	-	std	std	std
Front sliding window under the roof	-	-	-	std	std	std
Removable lower front window	-	-	-	std	std	std
Right-hand side sliding window	-	-	-	std	std	std
Grab handles and "full wide" door handle to facilitate closing from the inside	-	-	-	std	std	std
Radio pre-arrangement	-	-	-	std	std	std
Windscreen wiper and washer on front window	-	-	-	std	std	std
Rearview mirrors (right and left) kit for cab	-	-	-	opt	opt	opt
Back-up alarm	-	-	-	-	-	opt
HYDRAULIC SYSTEM						
ISO assisted hydraulic controls	mechanical	std	std	std	std	std
Pump gear / variable flow rate (std)	gears	std	std	std	std	std
Hydraulic arm swing control	pedal	joystick	pedal	joystick	joystick	pedal
Track adjustment control	std	std	std	-	std	-
Worklight positioned centrally under the arm	-	-	-	-	-	std
DIGGING AND MOVING EQUIPMENT						
Monoblock arm (length mm)	1350	1480	1650	1650	1800	2000
Rocker arm (length mm)	700	870	950	1200	1200	1100
Long rocker arm	+200 mm (opt)	-	+250 mm (opt)	-	-	+300 mm (opt)
Arm hydraulic swinging angle	140°	130°	135°	135°	135°	140°
Limit shock absorber on arm cylinder	std	std	std	std	std	std
Limit shock absorber on rocker arm cylinder	-	-	-	-	-	std
Shock valve on arm cylinder	-	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
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
Third hydraulic circuit for double-acting accessories	-	-	-	-	-	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 cab	-	-	-	std	std	std
Turret lock automatic brake	-	std	std	std	std	std
Arm cylinder anti-drift system	std	-	std	std	std	std
Horn	std	std	std	std	std	std
Rear balance weight	-	-	opt	std	opt	-

working range

the drawing is generic and is only for illustrative purposes



	9VXE	12VXE	17VXE	17VXT	19VXT	27V4
A Maximum digging height	2755 / 2950* mm	3052 mm	3610 / 3810* mm	3500 mm	3640 mm	4220 / 4410* mm
B Max. digging depth	1570 / 1770* mm	2010 mm	2100 / 2350* mm	2360 mm	2460 mm	2440 / 2740* mm
C Maximum dumping height	1970 / 2150* mm	2173 mm	2560 / 2760* mm	2520 mm	2660 mm	2900 / 3090* mm
D Maximum vertical digging depth	1175 / 1400* mm	1487 mm	1770 / 2010* mm	1810 mm	1980 mm	1840 / 2120* mm
E Maximum digging radius	2980 / 3190* mm	3456 mm	3760 / 3990* mm	3940 mm	4080 mm	4560 / 4840* mm
F Front turning radius	1220 / 1320* mm	1530 mm	1490 / 1580* mm	1573 mm	1663 mm	2030 / 2090* mm
at right arm swing	950 / 1030* mm	1290 mm	1280 / 1340* mm	1322 mm	1400 mm	1740 / 1790* mm
G Maximum digging depth radius	-	-	-	1625 mm	1714 mm	1930 / 1930* mm

* with long arm





Download the latest version
of this catalogue.



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