

features

	105	107	107HT
FLOW RATE			
Operating load	500 kg	700 kg	700 kg
FEATURES AND DIMENSIONS			
Width (fixed undercarriage)	690 mm	760 mm	760 mm
Width (variable gauge undercarriage)	-	760 / 1060 mm	760 / 1060 mm
Undercarriage length	1215 mm	1400 mm	1400 mm
Length with skip/shovel	1586 mm	1820 / 2480 mm	1820 / 2590 mm
Height to controls	1132 mm	1320 mm	1320 mm
Minimum ground clearance	75 mm	100 mm	100 mm
Crawler tensioning system	spring	spring	spring
Rollers per side	3	4	4
Rubber shoes width	180 mm	180 mm	180 mm
Track length	1120 mm	1250 mm	1250 mm
ENGINE			
Engine options - Power rating	Honda GX200 petrol (4.7 kW / 3600 rpm)	Honda GX270 petrol (6.3 kW / 3600 rpm)	Honda GX270 petrol (6.3 kW / 3600 rpm)
	-	Honda GX270-AE petrol (6.3 kW / 3600 rpm)	Honda GX270-AE petrol (6.3 kW / 3600 rpm)
	-	Honda GX390-AE petrol (8.7 kW / 3600 rpm)	Honda GX390-AE petrol (8.7 kW / 3600 rpm)
	-	Yanmar L100V6-AE diesel (6.8 kW / 3600 rpm)	Yanmar L100V6-AE diesel (6.8 kW / 3600 rpm)
1st-2nd travel speed	2.5 km / h	2.3 / 3.2 km / h (1° / 2°)	2.3 / 3.2 km / h (1° / 2°)
Maximum allowed slope when empty (guided with pedestrian operator, where applicable)	20° - 36%	20° - 36%	15° - 26%
Maximum allowed slope when fully loaded (guided with pedestrian operator, where applicable)	11° - 20%	11° - 20%	7° - 12%
HYDRAULIC SYSTEM			
Controls	DCS (Direct Control System)	DCS (Direct Control System)	DCS (Direct Control System)
Variable displacement pumps	-	-	-
Variable displacement set pressure	-	-	-
Fixed displacement gear pumps	10 L / min x 2 + 7.5 L / min	14 L / min x 3	14 L / min x 3
Set pressure	13.7 MPa (140 kgf / cm ²)	14.6 MPa (150 kgf / cm ²)	14.6 MPa (150 kgf / cm ²)
Hydraulic tank capacity	15 L	17 L	17 L
System capacity	-	22 L	22 L
Auxiliary one-way power take-off (Std)	-	14 L / min - 13.7 MPa (140 kgf / cm ²)	14 L / min - 13.7 MPa (140 kgf / cm ²)
Auxiliary one-way Hi Flow power take-off (Opt)	-	26 L / min - 13.7 MPa (140 kgf / cm ²)	26 L / min - 13.7 MPa (140 kgf / cm ²)
Aux. two-way power take-off (Std)	-	-	-
Traction motor	Orbital	Orbital	Orbital
ELECTRICAL SYSTEM			
Batteries	-	12V - 60 Ah	12V - 60 Ah
ACCESSORIES			
Skip capacity	0.22 m ³	0.33 m ³	0.33 m ³
Self-loading shovel	double arm	double arm	double arm
Load bed (closed sides) dim. W x D x H	900 x 620 x 200 mm	990 x 790 x 200 mm	990 x 790 x 200 mm
Load bed (open sides) dim. W x D	1120 x 1150 mm	1240 x 1290 mm	1240 x 1290 mm
Trilateral unloading bed	-	-	-
Concrete mixer kit total volume	-	250 L	250 L
Concrete mixer kit total yield	-	190 L	190 L
Self-loading shovel for concrete mixer	-	opt with concrete mixer	opt with concrete mixer
Levelling blade angle	-	30°	30°
Mulcher, working width	-	-	-
Mulcher, maximum working pressure	-	-	-
Snow blowers, working width	-	-	-
Snow blowers, maximum working pressure	-	-	-
WEIGHT			
Basic machine without accessories	240 kg	430 kg	430 kg
Plus/E petrol-engine machine	-	430 / 495 kg	430 / 495 kg
13HP AE Plus/E petrol-engine machine	-	450 / 515 kg	450 / 515 kg
AE Plus/E diesel-engine machine	-	485 / 550 kg	485 / 550 kg
Basic AE diesel engine machine	-	485 kg	485 kg
Machine with skip	290 kg	495 kg	675 kg
Machine with skip and shovel	345 kg	560 kg	740 kg
Machine with concrete mixer	-	550 kg (petrol)	-
Machine with concrete mixer and shovel	-	600 kg (petrol)	-
Mulcher	-	-	-
Machine weight with Mulcher	-	-	-
Snow blowers	-	-	-
Machine weight with Snow blowers	-	-	-
Arm kit without shovel	-	-	-
Skip / with self-loading shovel	50 / 105 kg	65 / 130 kg	65 / 130 kg
Skip-shovel operating weight (excluding operator)	-	-	-
Concrete mixer kit / with self-loading shovel	-	120 / 170 kg	120 / 170 kg
Hi-Tip kit with skip and self-loading shovel	-	-	295 kg
Bed with opening sides	65 kg	80 kg	80 kg
Trilateral unloading bed	-	-	-
Weight of Multitools arm kit	-	-	-
Bucket weight for Multitools arm kit	-	-	-
Mulcher weight for Multitools arm kit	-	-	-
Demolition hammer weight for Multitools arm kit	-	-	-

* the data shown are the most significant, for more details refer to the manual.

MINI-DUMPERS 400 / 2300 KG

	108HF	110	150	230
FLOW RATE				
Operating load	800 kg	1000 kg	1500 kg (1000 kg hi-tip)	2300 kg
FEATURES AND DIMENSIONS				
Width (fixed undercarriage)	760 mm	900 mm	1060 mm	1300 mm
Width (variable gauge undercarriage)	-	-	-	-
Undercarriage length	1215 mm	1650 mm	1760 mm	2937 mm
Length with skip/shovel	1586 mm	1915 / 2670 mm	3160 / 2585 mm	3233 mm
Height to controls	1132 mm	1320 mm	1450 mm	-
Minimum ground clearance	75 mm	160 mm	240 mm	250 mm
Crawler tensioning system	spring	spring	spring	grease
Rollers per side	4	4	6	6
Rubber shoes width	180 mm	200 mm	230 mm	270 mm
Track length	1250 mm	1450 mm	1100 mm	2300 mm
ENGINE				
Engine options - Power rating	-	Yanmar TNM68 diesel (14.4 kW / 3600 rpm) ISO 3046	Kubota D902 water-cooled 898 cc 3-cylinder diesel (15.2 kW / 3200 rpm)	Kubota V1505-E4B 4-cylinder water-cooled 1498 cc diesel (18.5 kW / 2300 rpm)
	-	-	-	-
	Honda GX390-AE petrol (8.7 kW / 3600 rpm)	-	-	-
	-	-	-	-
1st-2nd travel speed	2.3 / 4.5 km / h (1° / 2°)	2.6 / 4 km / h (1st / 2nd)	4 / 7.5 km / h	3.7 / 7.5 km / h
Maximum allowed slope when empty (guided with pedestrian operator, where applicable)	20° - 36%	20° - 36%	32° - 62%	-
Maximum allowed slope when fully loaded (guided with pedestrian operator, where applicable)	10° - 18%	11° - 20%	32° - 62%	37° - 76%
HYDRAULIC SYSTEM				
Controls	DCS (Direct Control System)	Servo-assisted hydraulic control	Servo-assisted hydraulic control	Servo-assisted hydraulic control
Variable displacement pumps	-	2 x 25.2 L / min	(piston pump) 2 x 35 L / min	2 x 41 L / min
Variable displacement set pressure	-	21.6 MPa (220 kgf / cm ²)	27 MPa (275 kgf / cm ²)	35.0 MPa (357 kgf / cm ²)
Fixed displacement gear pumps	14 L / min x 4	16.2 + 12.2 L / min	(gear service pump) 1 x 27 L / min	1 x 24 L / min
Set pressure	14.6 MPa (150 kgf / cm ²)	2 x 16.7 MPa (170 kgf / cm ²)	17 MPa (173 kgf / cm ²)	18.0 MPa (184 kgf / cm ²)
Hydraulic tank capacity	17 L	19 L	25 L	20.5 L
System capacity	22 L	25 L	-	-
Auxiliary one-way power take-off (Std)	28 L / min - 13.7 MPa (140 kgf / cm ²)	-	-	-
Auxiliary one-way Hi Flow power take-off (Opt)	-	-	20 L / min - 170 bar (std.)	32 L / min - 170 bar (opt.)
Aux. two-way power take-off (Std)	28 L / min - 13.7 MPa (140 kgf / cm ²)	26 L / min - 14.7 MPa (150 kgf / cm ²)	-	-
Traction motor	Orbital	Wheel drive (axial motor + reduction gear) with brake motor (parking)	Wheel drive (axial motor + reduction gear) with brake motor (parking)	Wheel drive (axial motor + reduction gear) with brake motor (parking)
ELECTRICAL SYSTEM				
Batteries	12V - 60 Ah	12V - 60 Ah	12V - 60 Ah	12V - 60 Ah
ACCESSORIES				
Skip capacity	0.37 m ³	0.42 (0.50) m ³	0.63 / 0.82 / 0.37 m ³ struck / heaped / liquid (norma SAE)	0.90 / 1.17 / 0.72 m ³ struck / heaped (SAE standard)
Self-loading shovel	double arm	double arm	double arm	double arm
Load bed (closed sides) dim. W x D x H	990 x 790 x 200 mm	1500 x 1000 x 350 mm	1550 x 1080 x 425 mm	-
Load bed (open sides) dim. W x D	1240 x 1290 mm	-	-	-
Trilateral unloading bed	-	1300 x 970 x 350 mm	-	-
Concrete mixer kit total volume	250 L	350 L	360 L	-
Concrete mixer kit total yield	190 L	280 L	290 L	-
Self-loading shovel for concrete mixer	opt with concrete mixer	opt with concrete mixer	with concrete mixer	-
Levelling blade angle	30°	-	-	-
Mulcher, working width	780 mm	780 mm	-	-
Mulcher, maximum working pressure	210 bar	210 bar	-	-
Snow blowers, working width	900 mm	900 mm	-	-
Snow blowers, maximum working pressure	210 bar	210 bar	-	-
WEIGHT				
Basic machine without accessories	430 kg	690 kg	860 kg	1700 kg
Plus/E petrol-engine machine	-	-	-	-
13HP AE Plus/E petrol-engine machine	-	-	-	-
AE Plus/E diesel-engine machine	-	-	-	-
Basic AE diesel engine machine	-	690 kg	-	-
Machine with skip	538 kg	830 kg	-	-
Machine with skip and shovel	603 kg	900 kg	-	-
Machine with concrete mixer	-	870 kg	-	-
Machine with concrete mixer and shovel	-	968 kg	-	-
Mulcher	76 kg	76 kg	-	-
Machine weight with Mulcher	656 kg	949 kg	-	-
Snow blowers	90 kg	90 kg / 88 kg (multitools arm kit)	-	-
Machine weight with Snow blowers	670 kg	963 kg	-	-
Arm kit without shovel	42 kg	43 kg	-	-
skip / with self-loading shovel	65 / 130 kg	140 / 210 kg	-	-
Skip-shovel operating weight (excluding operator)	-	-	1280 / 1135 kg (with / without shovel)	2200 / 2500 kg
Concrete mixer kit / with self-loading shovel	120 / 170 kg	178 / 278 kg	320 kg	-
Hi-Tip kit with skip and self-loading shovel	-	-	1560 / 1420 kg (with / without shovel)	-
Bed with opening sides	80 kg	240 kg	-	-
Trilateral unloading bed	-	-	320 kg	-
Weight of Multitools arm kit	-	230 kg	-	-
Bucket weight for Multitools arm kit	-	45 kg	-	-
Mulcher weight for Multitools arm kit	-	88 kg	-	-
Demolition hammer weight for Multitools arm kit	-	100 kg	-	-