

MINI EXCAVATOR

FM SERIES



Equipped with
Retractable tracks
Kubota engine
Standard pipeline adaptation kit
Bigger bucket capacity
Maximum reach
Fuel efficient
AC cabin

**ZERO TAIL
SWING**

STRENGTH YOU CAN TRUST



ADJUSTABLE TRACK
Extendable undercarriage
Efficiency in working
Ease of transport

RIGID STRUCTURE
Bigger bucket
Standard pipeline kit
Reinforced structure



SIMPLIFIED MAINTENANCE
Easy serviceability
Easy access to major area
Low maintenance

OPERATOR COMFORT
Spacious Ac cabin
User friendly digital cluster
Fully adjustable seat



Small in SIZE
big in POWER

FM 20

FM 38

FINE MINI EXCAVATOR SPECIFICATION

SPECIFICATION	FM 20	FM 38
Operating performance	Zero Tail Swing	Zero Tail Swing
Operating weight	2000 kg	3810 kg
Bucket capacity	0.07 m ³	0.12 m ³
Bucket mass	50 kg	118 kg
Bucket no.of teeth	3 Nos	4 Nos
Max. arm digging force	11 kN	18 kN
Max. bucket digging force	18 kN	30 kN
Travel speed low	2.4 km/h	2.4 km/h
Travel speed high	3.6 km/h	4.4 km/h

Engine	Kubota D1105	Kubota D1703
HP / RPM	19 hp @ 2200 RPM	24.40 hp @ 2200 RPM
kW / RPM	14.2 kW @ 2200 RPM	18.2kW @ 2200 RPM
Engine coolant	8 Litre	14 Litre
Engine oil	5.1 Litre	7 Litre
Diesel tank	17 Litre	42 Litre
Battery - 1	12 V	12 V
Fuel	Diesel	Diesel
Travel reduction gear oil	1 Litre	1 Litre

Hydraulic pump	Piston Pump	Piston Pump
Hydraulic pump flow	39.6 L/min + 8.8 L/min	88 L/min
Hydraulic pressure	21.5 Mpa	22.5 Mpa
Slew motor	Orbit Type	Slew reducer Type
Traction motor	Piston pump with reducer	Piston pump with reducer
Hydraulic oil system capacity	17 Litre	20.5 Litre
Hydraulic oil tank capacity	18 Litre	40 Litre

Machine overall length	3555 mm	4915 mm
Overall width	990/1300 mm	1755 mm
Overall height	2350 mm	2525 mm
Tumbler length	1230 mm	1670 mm
Minimum ground clearance	175 mm	305 mm
Tail swing radius	650 mm	860 mm
Track shoe width	230 mm	350mm
Overall width crawler	990 mm	1755 mm
Arm length	950 mm	1400 mm
Boom length	1850 mm	2535 mm
Left side	62°	50°
Right side	56°	65°
Max digging depth	2400 mm	3208 mm
Max. height of cutting edge	3655 mm	4540 mm
Max. dumping height	2420 mm	3280 mm
Max. vertical digging depth	2025 mm	2957 mm
Max. digging radius	4040 mm	5480 mm
Max. digging height	3655 mm	4540 mm
Track length	1610 mm	2125 mm
Dozer blade	Hydraulic lifting type	Hydraulic lifting type
Blade width	990~1300mm	1720 mm
Blade height	240 mm	350 mm
Blade cutting angle	40°	44°
Max dozer blade lifting dist.	305 mm	365 mm
Max dozer blade cutting dist.	270 mm	385 mm

Cabin Type	Canopy	AC Cabin
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