FINE EQUIPMENTS

Raising Benchmarks of after sales support

Introduces a new innovation in
MINI Excavator Market



FINE COMPACT

MINI EXCAVATOR

FM 38





Fine FM 38 Digger

- A 3.8 Ton class compact Excavator aimed for application ranging from pipeline and fibre work in cities to agricultural excavation, where both manpower and backhoe loaders have difficulty reaching.
- A strong, sturdy and feature rich 3.8 ton class compact excavator aimed for heavy excavation works in remote as well as urban areas.

Small in **SIZE** BIG in **POWER**

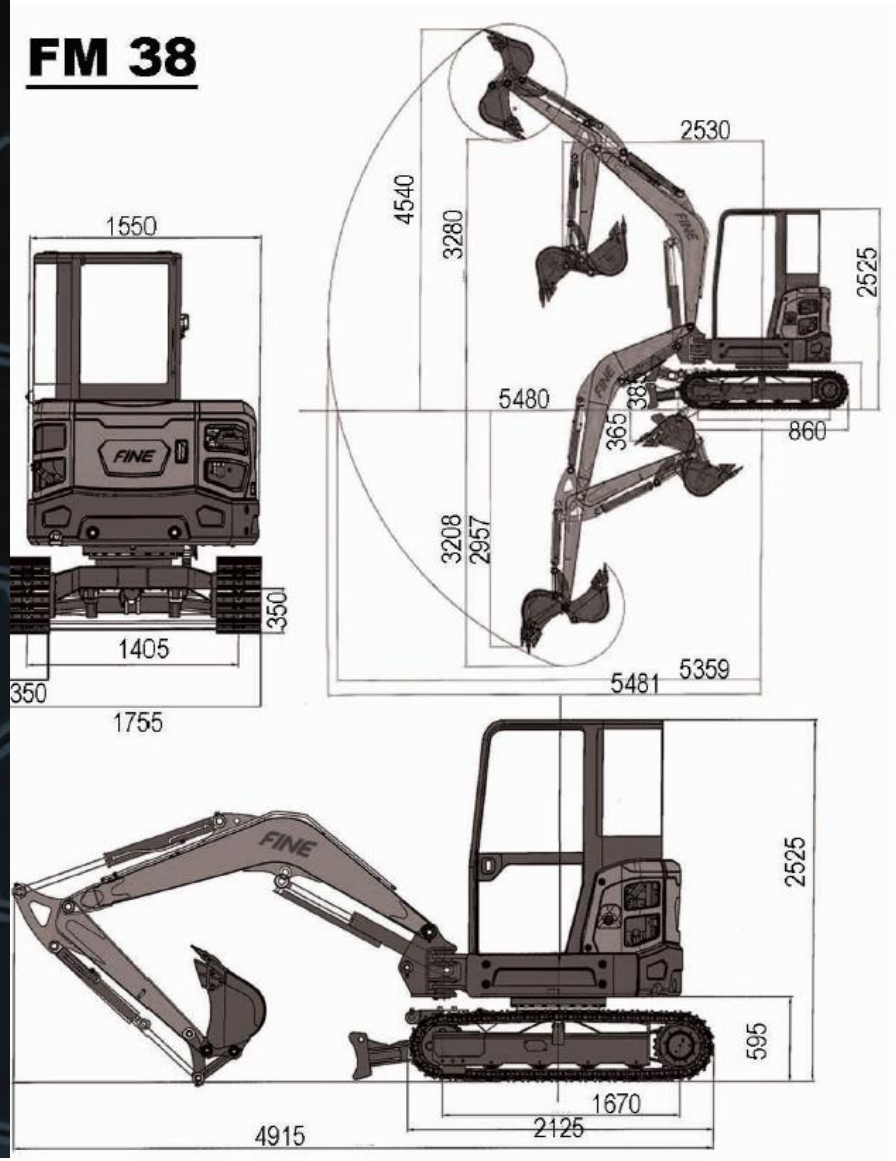
SPECIFICATION	FM 38
Operating Performance	Zero Tail Swing
Operating Weight	3810 kg
Bucket Capacity	0.12 m^3
Bucket Mass	118 kg
Bucket No.of Teeth	4 Nos
Max. Arm Digging Force	18 kN
Max. Bucket Digging Force	30 kN
Travel Speed low	2.4 km/h
Trvel Speed High	4.4 km/h
Engine	**Kubota D1703**
HP / RPM	24.40 hp @ 2200 RPM
kW / RPM	18.2kW @2200 RPM
Engine Coolent	14 Litre
Engine Oil	7 litre
Diesel Tank	42 litre
Battery-1	12 V
Fuel	Diesel
Travel Reduction Gear Oil	1 Litre
Hydrauilc Pump	**Piston Pump**
Hydraulic Pump Flow	88 L/min
Hydraulic Pressure	22.5 Mpa
Slew Motor	Slew reducer type
Traction Motor	Piston pump with reducer
Hydraulic Oil System Capacity	20.5 Litre
Hydraulic Oil Tank Capacity	40 Litre

FM 38 Inside



M 38 INSIDE

Machine Overall Length	4915 mm
Overall Width	1755 mm
Overall Height	2525 mm
Tumbler Length	1670 mm
Minimum Ground Clearance	305 mm
Tail Swing Radius	860 mm
Track Shoe Width	350mm
Overall Width Crawler	1755 mm
Arm Length	1400 mm
Boom Length	2535 mm
Left Side	50°
Right Side	65°
Max Digging Depth	3208 mm
Max. Height of cutting Edge	4540 mm
Max. Dumping Height	3280 mm
Max. Vertical Digging Depth	2957 mm
Max. Digging Radius	5480 mm
Max. Digging Height	4540 mm
Track Length	2125 mm
Dozer Blade	Hydraulic lifting type
Blade Width	1720 mm
Blade Height	350 mm
Blade Cutting Angle	44°
Max dozer Blade Lifting Dist.	365 mm
Max dozer Blade Cutting Dist.	385 mm
Cabin Type	AC Cabin



Operating Weight



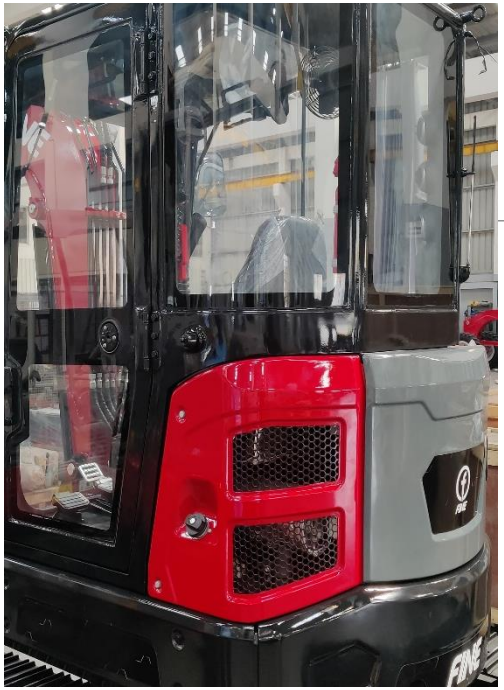
ZERO Tail Swing

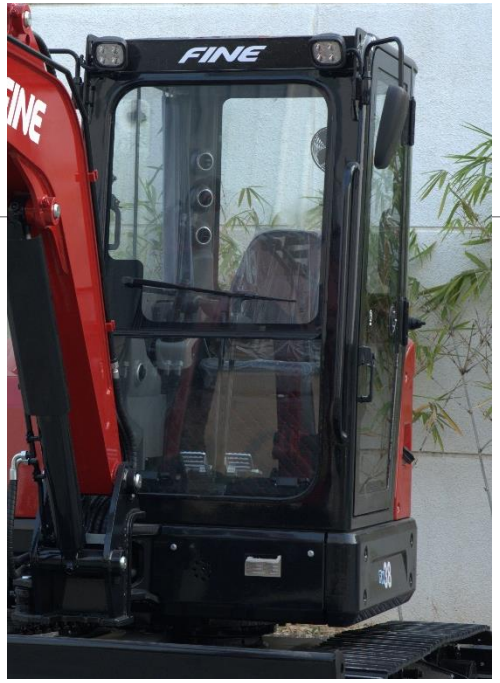
Features	Benefits	Advantages
•Zero tail swing structure.	•When the machine is swiveling, •the tail always remains within the track width	•Worry free operation in tight places















AC Cabin

- ✓ World class cabin with ROPS/FOPS
- ✓ Comes with outstanding cooling technology.
- ✓ Work long hour without feeling fatigue
- ✓ A balance is maintained even if temperature outside is high
- ✓ A strong, sturdy and feature rich 3.8 ton class compact excavator aimed for heavy excavation works in remote as well as urban areas.

Standard **Anti theft as lock cabin can protect**

STRUCTURE-Bucket

Features	Benefits	Advantages
•Digging power of bucket.	•Greater digging power helps to work on hard surface.	•More digging power hence more productivity.

0.12 m^3



Bucket Capacity

Max Dig power of Bucket – **30 KN**

STRUCTURE-Piping

Features	Benefits	Advantages
•Machine is equipped with Breaker piping adaptation kit as standard accessories.	•It can be used for one way & two way hyd oil flow attachments.	•More productivity & uptime of machine can be achieved. •Multiple applications use.

Standard



ENGINE

Features	Benefits	Advantages
•World class Kubota Engine. •Provided with heater plug. •Less noise.	•Powerful engine •Helpful in Cold starting •Low noise.	•Availability of spares parts. •Can work in cold climate. •Can work in high populated residential area.



Kubota 1703

24.40 HP

Double Element air filtration, Fuel-water separator with filter screen, safety grill for radiator & hassle free fuel-air bleeding system are equipped as per Indian machine operating conditions.

ENGINE- Access

Features	Benefits	Advantages
•Wider rear bonnet.	•Access to all service points	•It helps in less service time and more productive hours.

Serviceability







Bigger & Enclosed hood gives safety to all Engine equipments.
Ease of access to filters & other service points.

STRUCTURE

Features	Benefits	Advantages
•Long and strong structured arm.	•More digging depth. •More dumping height	•Maximum reach of arm gives more versatility than Kubota.



Working Range

Digging Depth – **3208 mm**
Dumping Height – **3406 mm**

STRUCTURE

Features	Benefits	Advantages
•Boom swing feature	•More area covered without moving machine. •Excavation closer to walls & corner.	•It helps in working at close /Confine quarter. •More productivity area coverage. •Reduced multiple handling.

Boom Swing



Swing angle of Boom
Right Side – 65°
Left side - 50°



Strong & Rigid collar – More life & durability

STRUCTURE-Dozer

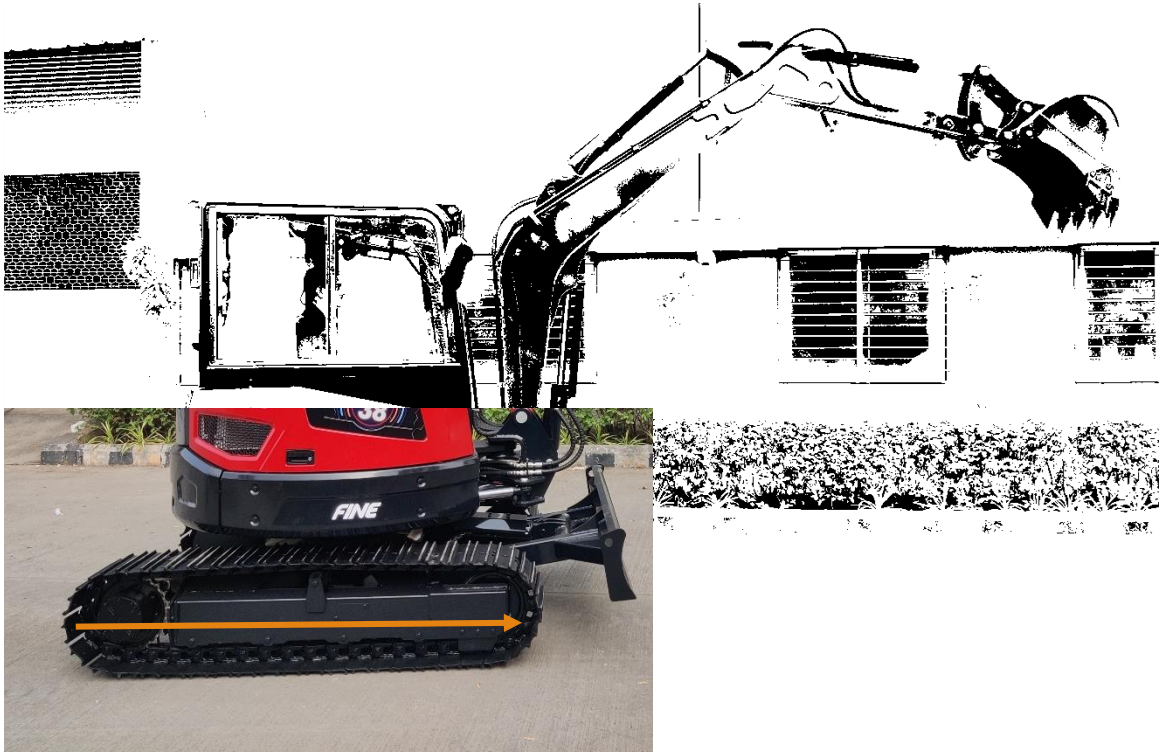
Features	Benefits	Advantages
•Wider Blade.	•Wider blade gives stability while working.	•Productive at working in close quarters.



Dozer Blade

TRACKS

Features	Benefits	Advantages
•Steel tracks.. •Optional rubber track.	•Long Life •More ground clearance.	•Better stability while working hence more lifting capacity hence productivity.



Track Length – 2154 **mm**
Track width – **350 mm**

FEATURES – Mini FM 38 Digger

- ✓AC cabin as standard
- ✓Breaker adaptation kit as standard accessory
- ✓1 X Variable piston pump for increased efficiency
- ✓Bigger bucket capacity and maximum reach
- ✓Fuel efficient
- ✓Maximum digging force of 30 KN

Optional



Rubber Pads



Rubber Tracks

Attachments

Grading Bucket



Riddle Bucket



Rock Breaker



Auger



FINE

Thank You!

