TOPIO DIA DIRI





1800 425 438





FEATURES

- M-13K is a hydraulic mini excavator with gear pumps
- Its transportation weight is only 1350 Kg so, the M-13K is suitable to be loaded on small trucks or trailers
- Despite of its short slew radius (only 650 mm), the machine can ensure a good working stability
- M-16U is a hydrostatic mini excavator with variable displacement axial piston pump, classified as Zero TailSwing
- The variable track width (retracted crawler width of 990 mm) provides easy access to very small job sites

STANDARD EQUIPMENT

- Largest engine power in 1,5 tons category
- Travel levers and servo-controls disabling system by armrest lifting prevents accidents due to unexpected machine movement during entry or exit
- Pilot assisted controls (joy-sticks) to operate arms and buckets
- Canopy according to TOPS, FOPS
- Hydraulic Power Take-Off (P.T.O.)
- For M-13K: standard bucket of 300 mm (SAE capacity lt. 25)
- For M-16U: standard bucket of 400 mm (SAE capacity lt. 36)
 two driving speed

OPTIONAL EQUIPMENT

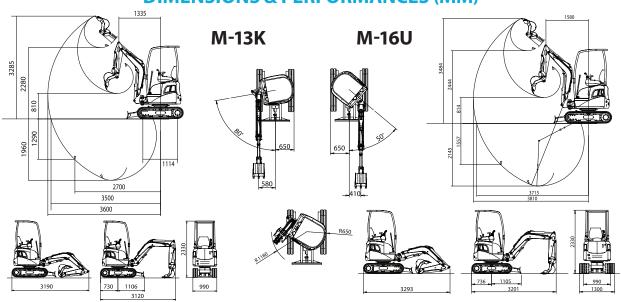
- Buckets of (mm) 250, 350, 450, 500, standard, for rocks and for Quick Hitches – Bucket for slopes, standard or swivelling
- Buckets for cleaning Mechanical or hydraulic quick hitch
- Hydraulic breaker Hydraulic drill/rig
 Only for M-16U: Steel Track Long arm (extra ballast compulsory)*
 Removable roof to facilitate transport operations

TECHNICAL DATA

Model		M-13K	M-16U
ENGINE			
Engine Model		KUBOTA D902	
Max power at 3200 rpm (DIN 6271)	HP/Kw	20.4 / 15	
Rated horse power at 2400 rpm	HP/Kw	19 / 14	
Cylinders	N°	3	
Displacement	cm ³	898	
Cooling		Water	
Battery	N°	1 – 12 V – 44 Ah	

Model		M-13K	M-16U
HYDRAULIC SYSTEM			
Hydrostatic transmission with orbital motors and planetary reduction gears with negative brakes			
Travelling counter-balance valves			
N. 2 gear pumps	Lt/min	15x2	
N. 2 variable displacement piston pump + gear pump	Lt/min		22x2+15
Total delivery	Lt/min	30	59
Auxiliary hydraulic flow for P.T.O	Lt/min	30	36
Max working pressure	Bar	180	200 / 180
Slew speed (with orbit motor)	RPM	9.5	11.7
Boom, arm, bucket and slew actuated by servo-controlled joysticks.			
Mechanical levers to control track, pedals to control boom swing and P.T.O.			
Lever to control dozer blade			
Heat exchanger for oil cooling			
UNDERCARRIAGE			
Box section steel frame			
Track type and width	mm	Rubber 200	Rubber 230
Track bearing rollers	N°	3+3 low/guide block	
Track tensioning		adjusting screw	grease
Dozer blade	mm	250x990	250x1295
PERFORMANCES			
Shipping weight	Kg	1350	1530
Operating weight	Kg	1420	1600
Break out force	daN	1200	1605
Digging force	daN	800	895
Travel speed	Km/h	1.8	2.0 / 2.7
Max gradient capacity	Over %	100	100
Specific ground pressure	Kg/cm ²	0.285	0.276
REFUELLING			
Fuel tank capacity	Lt	20	
Hydraulic oil tank capacity	Lt	19	

DIMENSIONS & PERFORMANCES (MM)



Toyota Material Handling Australia (TMHA) has used its best endeavours to ensure brochure information is correct when published. All images are used for illustration purposes only and actual colour of products may differ from images displayed. TMHA, to the extent permissible at law, is not liable to any person for loss or damage arising from reliance upon information contained in this brochure. Distributed nationally by Toyota Material Handling Australia Pty Limited ABN 38 104 644 635. 8 Secombe Place Moorebank NSW 2170. Printed February 2020.