

Measurement of hand tractor



နှစ်ဘီးလက်တွန်းထွန်ကိုင်းအားထွန်ခုံတာယာဖြင့်တပ်ဆင်ထားပုံ



နှစ်ဘီးလက်တွန်းထွန်ကိုင်းအားသုံးချပ်ထယ်၊သံဘီးဖြင့်တပ်ဆင်ထားပုံ

CHAPTER II TECHNICAL SPECIFICATIONS

A. COMMON TECHNICAL SPECIFICATIONS

1 Model	DF-18L(DF-20L)
2 Type	Towing and driving Single axle, dual-purpose for both traction and dr
3 Overall dimensions (L X W X H mm)	2680 X 960 X 1250 (excluding riding installations)
4 Wheel track (mm) Distance between wheels (mm)	Adjustable among 800, 740, 640 and 580 (but normally use 800)
5 Min space from earth to face (mm)	182 (from ground to the bottom of the final transmission housing)
6 Minimum turning radius (m)	0.9 (with rotavator removed)
7 Construction weight (kgs)	360
8 Usage weight of tractor (kg)	445(with plough) 505(with rotary cultivator)
9 Drive system	
a. Power from engine to clutch	By V-Belts
b. Clutch type	Double friction flat of constant combination
c. Transmission box	12.7 (1/2") chain of 64 links
d. Gearbox	(3+2)*2 gear assembly type
e. Type of steering mechanism	Meshing sleeve
f. Final transmission	Two-step reduction by straight tooth cylindrical gears
g. Type of brake	Cricoid inside expansion
Triangle belt	B1880 3
Rotavator	Use the short pitch, precise roller chain of 12A-2 X 50 for drive
10 Wheels	
a. Type of drive wheel tire	600-12,4-ply
Tire pressure (kpa)	137-196
b. Tail Wheel	
Field working tail wheel	Steel made, diameter: 340mm
Rubber tail wheel tyre	400-8
10 Towing device	
a. Opening of adapter frame (mm)	95
b. Clearance from ground to adapter frame (mm)	389
c. Diameter of connecting pin (mm)	20
12 Connection of handlebar frame with hood assy	Fixed type (by bolts and nuts)
13 Electric installations	
a. Type of generator	Permanent-magnet A.C.generator,cooling fan built in type
Voltage (V)/rated power (W)	12/60
Rated rotating speed (rpm)	5800
No of phase	Single phase,three circuits
b. Load	Two lights of 12 V.20W each
13 The filling of oil and water	
Engine	
a. Water tank	17-20 kg of clean river (soft) water
b. Fuel tank	9-11 kg of light diesel oil
c.Oil sump	2.5 kg of machine oil SAE 40 or 30
Power Tiller:	
a. capacity of lubrication (l)	5
b. Tilling transmission box	0.5 kg of machine oil SAE 40 or 30
B. SPECIAL SPECIFICATIONS(a)	
Traction force (N)	2000
Theoretical speed (km/hr)	Forward I 1.4 II 2.5 III 4.1 IV 5.3 V 9.4 VI 15.3 Backward I 1.0 II 3.8