

| | |
|---------------------|---|
| Model | ACI Power Tiller R24 20 HP |
| Manufacturer | ACI Motors |
| Supplier | ACI Motors |
| Category | Land Preparation |
| Crop(s) | General-Purpose |
| Website/Link | https://acimotors-bd.com/products/agricultural-machineries/power-tiller/aci-power-tiller-r24-20-hp |
| E-mail | info@acimotors-bd.com |
| Phone Number | 16533 |
| Address | ACI Centre, 245 Tejgaon Industrial Area, Dhaka 1208 |



Specifications

Page | 2

| Item | Value |
|---------------------------------|--|
| Engine Model | GN Type |
| Rated Engine Power | 16 HP / 12 KW |
| Rated Engine Speed | 2000-2200 rpm |
| Rotary Tiller Blade Speed (RPM) | Low: 220, High: 280 |
| Fuel Filter | Duel Filter (Primary and Secondary) for saving engine from Fuel adulteration |
| Fuel Consumption | 1-1.2 liter Rated RPM, 2.4 liter per hour |
| Cooling System | Radiator (made by Brass) |
| Turning Speed | Low: 199-202 (According to driving speed) |
| Rotary Tiller Width | 680mm |
| Rotary Tiller Number of Blades | 24 (2 set Right Hand and Left Hand Bend) |
| Main Farm Implements | Anti-skid steel wheel -2 nos. (10 sprocket and extra bit); |
| | Rotary blade 2 set (1 for dry and other for wet land cultivation) |
| Starting System | Manual Cranking Type |
| Air Cleaner | Oil Bath Type |
| Packing Case dimensions | 116x108x108 cm |
| Lubricating Way | Combined Pressure and Splashing |
| Net Weight / Gross Weight | 560 / 610 KG |
| Gear Box | Six Speed Forward, Two Speed Reverse |



USAID
FROM THE AMERICAN PEOPLE



ADMI Institute for the Prevention of Postharvest Loss
University of Illinois



NORTH CAROLINA
AGRICULTURAL AND TECHNICAL
STATE UNIVERSITY



UNIVERSITY OF
ILLINOIS
URBANA-CHAMPAIGN



Collaborative Research on Sustainable Intensification

MICHIGAN STATE UNIVERSITY
KANSAS STATE UNIVERSITY

| | |
|-------------------------------------|---|
| Clutch | Double Friction Flat of Constant Combination |
| Brake System | Disc Type |
| Power Tiller Model | R24 |
| Engine Model | ZS 1110 NL GN |
| Type | Single Cylinder, Dual Purpose (Traction and Drive) |
| Overall Dimension (L X W X H) | 2950x980x1240 mm |
| Wheel tread | |
| Rubber wheel | 570-810 |
| Iron wheel | 850-1090 |
| Tires | |
| Rubber Front wheel | 6.00-12 |
| Rubber Rear wheel | 4.00-8 |
| Iron wheel | 6.00-8 |
| Clutch | |
| Clutch Link Length | 153 mm |
| Dia. of Clutch Rod | 8 mm |
| Length of Steering Lever | 255 mm |
| Minimum Ground Clearance | 210mm |
| Working Weight (with Rotary Tiller) | 560 kg |
| Power Tiller Speed (km/h) | |
| Forward | For use of 183 mm belt pulley: 3.03, 5.52, 7.05, 9.27, 12.53, 21.03 |

| | |
|-------------------------------|--------------------------------------|
| Reverse | 2.45, 5.5 |
| Turning speed | Low:199 (According to driving speed) |
| Anti-Skid Wheel Specification | |
| Inner Diameter | 700 mm |
| Width | 100 mm |
| Extension | 100mm |
| Weight | 42 kg |



USAID
FROM THE AMERICAN PEOPLE



ADMI Institute for the Prevention
of Postharvest Loss
University of Illinois



**NORTH CAROLINA
AGRICULTURAL AND TECHNICAL
STATE UNIVERSITY**



**UNIVERSITY OF
ILLINOIS**
URBANA-CHAMPAIGN



Collaborative Research on
Sustainable Intensification

**MICHIGAN STATE
UNIVERSITY**

**KANSAS STATE
UNIVERSITY**