

<b>Model</b>	<b>DF-12EL</b>
<b>Manufacturer</b>	Dongfeng
<b>Supplier</b>	Chittagong Builders & Machinery Ltd.
<b>Category</b>	Land Preparation
<b>Crop(s)</b>	General-Purpose
<b>Website/Link</b>	<a href="https://www.facebook.com/cbmltdbd/">https://www.facebook.com/cbmltdbd/</a>
<b>E-mail</b>	<a href="mailto:cbm.group@yahoo.com">cbm.group@yahoo.com</a>
<b>Phone Number</b>	+880 1922-117136
<b>Address</b>	2 <sup>nd</sup> Floor, Nawabpur Road 1100 Dhaka, Dhaka Division, Bangladesh



**USAID**  
 FROM THE AMERICAN PEOPLE



**ADMI** Institute for the Prevention  
 of Postharvest Loss  
 University of Illinois



Collaborative Research on  
 Sustainable Intensification

**MICHIGAN STATE**  
 UNIVERSITY

**KANSAS STATE**  
 UNIVERSITY

## Specifications

Page | 2

Item	Value
Structure weight without rotavator (kg)	374
Structure weight with rotavator (kg)	479
Working weight with rotavator (kg)	514
Turning speed of rotary shaft (rpm)	188/300
Overall dimensions(L×W×H) (mm)	3180×960×1290
Number of blades	18
Rototilling width (mm)	600
Riding system	Normal
Type of tractor	Single axle, dual-purpose for both traction & drive
Main gearbox	(3+1)×2
Traveling speed	
Forward (km/h)	1.5, 2.7, 4.4, 5.7, 10.2, 16.5
Reverse (km/h)	1.1, 4.1
Tire size	6.00-12
Wheel track (mm)	800, 740, 640, 580 (normally use 800)
Min. ground clearance (mm)	185
Min. turning radius (m)	0.9 (with no rotavator)
Model of engine	S195N/ZS195N


**USAID**  
FROM THE AMERICAN PEOPLE

**ADMI** Institute for the Prevention  
of Postharvest Loss  
University of Illinois

**MICHIGAN STATE**  
UNIVERSITY  
  
**KANSAS STATE**  
UNIVERSITY

Type of engine	Single-cylinder, Horizontal, 4-stroke, Direct injection, Water cooling
Bore ×stroke (mm)	95×115
Total displacement (L)	0.815
Compression ratio	17:01
Turning speed of crankshaft (rpm)	2000
Rated output (hp)	12
Specific fuel consumption (g/kW. H)	265.2
Specific lube oil consumption (g/kW. H)	≤2.72
Cooling mode	Condenser (Radiator)



**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