



Vision:

Increasing Yields of Smallholder Farmers Through Mechanization.

Objective:

"Putting a hole into the museum"



Appropriate Technology™

// **Asset Financing Agriculture Mechanization Catalogue**



hello tractor



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11HP

WALKING TRACTOR

▶ OWNING AN Appropriate Technology™ 11HP

HAS BEEN MORE AFFORDABLE THROUGH
"AID FOR TRADE™"

Special prices available on all Appropriate Technology™ 11HP as well as great interest rate savings when you finance your 11HP or others through "Aid for Trade™" Financial.

Asset financing build for your success plus asset, crop and economic insurance provided by ZISC General Insurance

TERMS AND CONDITIONS APPLY

(Download at www.oafm.co.zm/appro.tech/assetfinancing).

Appropriate Technology™ 11HP is supported by **ZISC General Insurance**. Asset financing products are subject to credit approval and lending bank' terms and conditions.

▶ Appropriate Technology™ 11HP
SPECIFICATIONS



Model		Appropriate Technology™ QL111 (11)
Overall Dimensions (L×W×H)		2260*930*1120
Wheel Tread (mm)		735-765
Min. Ground Clearance (mm)		205
Min. use weight (kg)		300
Gear		F6+R2
Speed (km/h)	Forward	2.2, 3.15, 5.62, 8.37, 11.99, 21.41
	Reverse	1.78, 6.77
Speed (km/h)	Model	Changzhou/Changfa
	Type	Diesel Single cylinder; horizontal; 4 stroke; water cooled
	Rated Power(kw/hp)	8.08/11
	Rated Speed(r/min)	2200
	Bore × Stroke (mm)	95*100
Fuel Consumption (g/kw*h)		less than 269.6
Tyre		6.00-12



12HP

WALKING TRACTOR

▶ OWNING AN Appropriate Technology™ 12HP

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▶ 12HP WALKING TRACTOR SPECIFICATIONS



Model		Appropriate Technology™ QL121(12)
Overall Dimensions (L×W×H)		2360*1100*1090
Wheel Tread (mm)		760-930
Min. Ground Clearance (mm)		230
Min. use weight (kg)		336
Gear		F6+R2
Speed (km/h)	Forward	2.53, 4.49, 7.54, 9.36, 16.63, 27.89
	Reverse	1.99, 7.39
Speed (km/h)	Model	Changzhou/Changfa
	Type	Diesel Single cylinder; horizontal; 4 stroke; water cooled
	Rated Power(kw/hp)	8.82/12
	Rated Speed(r/min)	2200
	Bore × Stroke (mm)	95*98
Fuel Consumption (g/kw*h)		less than 269.6
Tyre		6.00-14



15HP

WALKING TRACTOR

▶ OWNING AN Appropriate Technology™ 15HP

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Appropriate Technology™ 15HP is supported by **ZISC General Insurance**. Asset financing products are subject to credit approval and lending bank' terms and conditions.

▶ 15HP WALKING TRACTOR SPECIFICATIONS



Model		Appropriate Technology™ QL151(15)
Overall Dimensions (L×W×H)		2420*1600*1230
Wheel Tread (mm)		760-1410
Min. Ground Clearance (mm)		260
Min. use weight (kg)		405
Gear		F6+R2
Speed (km/h)	Forward	2.6, 4.63, 7.78, 9.65, 17.14, 28.76
	Reverse	2.06, 7.6
Speed (km/h)	Model	Changzhou/Changfa
	Type	Diesel Single cylinder; horizontal; 4 stroke; water cooled
	Rated Power(kw/hp)	11/15
	Rated Speed(r/min)	2200
	Bore × Stroke (mm)	100*115
Fuel Consumption (g/kw*h)		less than 269.6
Tyre		6.00-16



18HP

WALKING TRACTOR

▶ OWNING AN Appropriate Technology™ 18HP

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(Download at www.oafm.co.zm/appro.tech/assetfinancing).

Appropriate Technology™ 18HP is supported by **ZISC General Insurance**. Asset financing products are subject to credit approval and lending bank' terms and conditions.

▶ 18HP WALKING TRACTOR SPECIFICATIONS



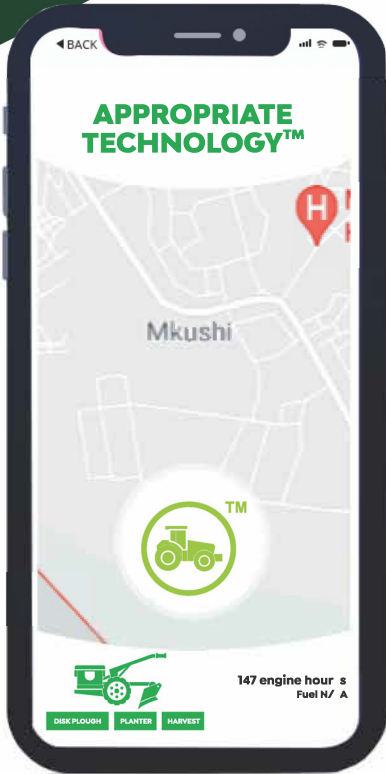
Model		Appropriate Technology™ QL181 (18)
Overall Dimensions (L×W×H)		2490*1600*1265
Wheel Tread (mm)		780-1420
Min. Ground Clearance (mm)		241
Min. use weight (kg)		465
Gear		F6+R2
Speed (km/h)	Forward	2.58, 3.95, 6.17, 7.71, 11.81, 18.49
	Reverse	1.94, 5.81
Speed (km/h)	Model	Changzhou/Changfa
	Type	Diesel Single cylinder; horizontal; 4 stroke; water cooled
	Rated Power(kw/hp)	13.2/18
	Rated Speed(r/min)	2200
	Bore × Stroke (mm)	110*115
Fuel Consumption (g/kw*h)		less than 269.6
Tyre		6.00-16



APPROPRIATE TECHNOLOGY™



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Date: January 13th, 2023

Demo site: Sinda, Eastern Province

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2. Impliment digital fleet management, remotely monitor your tractor operators, preventing fraud and machine misuse
3. Monitoring engine hours by viewing digital records of hectares worked by your operators and time spent to do those jobs
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hello tractor

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FOUR WHEEL DRIVE

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Technology™ 35HP**

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Appropriate Technology™ 35HP is supported by **ZISC General Insurance**. Asset financing products are subject to credit approval and lending bank' terms and conditions.

▶ Appropriate Technology™ 35HP SPECIFICATIONS

Model		Appropriate Technology™ QN35
Engine	Rated Power(kw)	25.7
	Type	Direct-injection, water-cooled 4-cylinders diesel engine
Dimension	Wheel Drive	4WD
	Minimum Using Weight(kg)	1720
	Overall Dimension (mm)	3500*1530*2300
	Wheel tread for Front Wheel (mm)	1250
	Wheel tread for Rear Wheel (mm)	1100-1300(Adjustable)
	Wheelbase (mm)	1815
	Minimum Ground Clearance (mm)	300
	Gear Box	8F+2R
	Front Tire	6.5-16
	Rear Tire	9.5-24
	Steering Type	Hydraulic power steering
Rotation Speed(r/min)	2400	
Working Device	PTO Shaft Speed(r/min)	720
	Max lifting Force at 610mm (KN)	≥7.7
	Rated Traction (KN)	9
	Suspension Type	3 points linkage, CAT.1



75HP
FOUR WHEEL DRIVE

▶ **OWNING AN
Appropriate
Technology™ 75HP**

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TERMS AND CONDITIONS APPLY

(Download at www.oafm.co.zm/appro.tech/assetfinancing).

Appropriate Technology™ 75HP is supported by **ZISC General Insurance**. Asset financing products are subject to credit approval and lending bank' terms and conditions.

▶ **Appropriate Technology™ 75HP**

SPECIFICATIONS

Model		Appropriate Technology™ QLN-754
Engine	Rated Power(kw)	55.14
	Type	Direct-injection, water-cooled 4-cylinders diesel engine
	Rotation Speed(r/min)	2400
Dimension	Wheel Drive	4WD
	Minimum Using Weight(kg)	1820
	Overall Dimension (mm)	3980*1635*2400
	Wheel tread for Front Wheel (mm)	1400
	Wheel tread for Rear Wheel (mm)	1300(Adjustable)
	Wheelbase (mm)	2040
	Minimum Ground Clearance (mm)	325
	Gear Box	12F+12R
	Front Tire	8.3-24
	Rear Tire	14.9-30
	Steering Type	Hydraulic power steering
Working Device	PTO Shaft Speed(r/min)	540/760
	Max lifting Force at 610mm (KN)	≥15.88
	Max Traction (KN)	13
	Suspension Type	3 points linkage, CAT.2,

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5 TONNE MAIZE THRESHER

▶ OWNING AN Appropriate Technology™ 5 Tonne Maize Thresher

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Appropriate Technology™

5 TONNE MAIZE THRESHER

► SPECIFICATIONS

Model	Appropriate Technology™ Corn Thresher
Structure type	Swing hammer
Weight (Kg)	50
Matched power (Kw/hp)	2.2-3kw/5-8hp
Overall size (mm)	900*600*920
Productivity (t/h)	1-2t

12HP

SOYA THRESHER



▶ OWNING AN Appropriate Technology™ 12HP SOYA THRESHER

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products are subject to credit approval and lending bank' terms and conditions.

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12HP SOYA THRESHER

► SPECIFICATIONS

Model	Appropriate Technology™ Thresher
Overall Dimension (mm)	3400*2100*1980
Package dimension (mm)	2800*740*1400
Threshing rotor length (mm)	1000
Rotor diameter (mm)	480
Threshing nail ruler quantity	36 pcs
Replaceable sieve	3 pcs (soybeanφ12mm ;)
Rotary speed r/min	550 - 620
Selection method	Vibrating screen separation + fan cleaning
Productivity	500 - 800kg / hr
Engine power	7.5kw-11kw electric motor
Weight	460 - 700kgs

OPTIONAL

PTO spline, Belts, Tires and structure, Package, Diesel Engine (12hp), Diesel engine layout structurer, Electric motor(11kw), Motor wheel and belt



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1 TONNE GROUNDNUT SHELLER



▶ OWNING AN Appropriate Technology™ GROUND NUT SHELLER

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Appropriate Technology™ Ground Nut Sheller is supported by **ZISC General Insurance**.
Asset financing products are subject to credit approval and lending bank' terms and conditions.



Appropriate Technology™ 1T GROUNDNUT SHELLER

► SPECIFICATIONS

Model	Appropriate Technology™ 1T Sheller
Structure type	Double drum
Dimension (mm)	1330 * 750 * 1570
Overall weight without motor	160Kgs
Matched motor power (Kw)	2.2 - 3.0
Shelling Mechanism	
Type	Double drum
Length of drum (mm)	300
Diameter of the drum (mm)	220
Speed of drum (r/min)	290
Shelling gap (mm)	20
Size of sieve (mm)	9-11
Screening system	
Model	Gravity
Screen inclination (°)	11°45'

Mechanising smallholder farmers

Schweizer Agriculture automating agrarians under Momboshi Irrigation Scheme

FRANCIS LUNGU

BEN Kalimula is a small-scale farmer who has been tilling land using traditional methods of draft animal power and hand-held hoe for many years to tend for his family of nine in Chisamba district's Momboshi, Central Province.

The quadragenarian's hope is that one day he will migrate from antiquary ways of cultivating land to mechanised techniques which enhance efficiency and yields, leading to upward revenue.

The archaic ways of engaging oxen (draft animal power) and labouring with hoes to till land have become tedious undertakings for 49-year-old Mr Kalimula and his family.

Using these outmoded ways of farming is a very time-consuming and requires a lot of energy to just work on a hectare of land with restricted yield volumes.

For instance Mr Kalimula, who has been tilling a three-hectare piece of land, could only manage to harvest 95 50kg bags of maize, 12 bags of cowpeas, and eight others of unshelled groundnuts.

He describes these harvest figures as low, which he attributes to the limitation triggered by his old-style approaches to agriculture.

With variations in people's way of life, the oxen being depleted through disease and thefts, as well as the changes in climatic conditions, the use of old farming systems has increasingly become hard.

For Mr Kalimula and 762 other farmers under Momboshi Irrigation Scheme, migrating towards mechanised agricultural procedures has been their dream.

The scheme has also co-opted the Youth Agriculture Mechanisation Enterprise Cooperative, where Mr Kalimula is chairperson, as a vehicle to engage organisations which provide equipment for mechanising agriculture and increase yields.

As a cooperative, they have approached Schweizer Agriculture, a Lusaka-based agro-solutions enterprise which supplies mechanisation apparatus to small-scale farmers in the country.

Through its Aid for Trade package under the appropriate technology brand, Schweizer Agriculture promotes mechanisation among smallholder farmers, especially the youthful ones.

The organisation supplies tiller machines, also known as walking tractors, of different capacities: 10-, 11-, 12-, 15- and 18-horse power (operated hand-held) in addition to the 35-horse power tractors.

Cooperative names settled for a 10-horse power walking tractor, whose cost is K27,000 under a hire purchase agreement.

With the 10-horse power tiller

propelled by a 5.5-litre diesel engine, Mr Kalimula is in the 2021/2022 cropping season geared to increase the size of land he tills.

"Using the old method of draft animal power and kambovili [hoe], I could only manage to till three hectares, [but] this time around I am targeting 15 to 20 hectares because I will be more efficient," he brags.

With favourable weather conditions and better preparations for harvesting, Mr Kalimula's expanded land tillage will translate into raised yields (five-fold), which will entail increased household income and enhanced food security.

"With the tiller, I don't need many people to help out with field work. This will give chance to other family members to engage in other income-generating activities during the cultivation season," a visibly enthralled Mr Kalimula shares.

The tiller machine will be used by all 762 members of Momboshi Irrigation Scheme through Youth Agriculture Mechanisation Enterprise Cooperative on a rotational basis, and even lent to other people in the area.

The mechanisation solutions have attracted Momboshi farming communities following a demonstration executed by Schweizer Agriculture in June this year on how the tiller machine works and the efficiency it brings.

Schweizer Agriculture executive director Joas Chilungu is overjoyed that his organisation is complementing Government's efforts in empowering farmers with improved, yet affordable, land tilling techniques.

According to Mr Chilungu, the myriad tiller machines are multipurpose, embedded with other capacities such as being used as irrigation pumps, for harrowing, and can be utilised for disk land.

Tiller machines can also hook a sprayer for crop protection and even peg a trailer as a carriage.

The 10-horse power tiller machine, Mr Chilungu says, is a high efficient tool that runs at 10 kilometres per hour and can work on a one-hectare piece of land in a single hour, after which it can be rested for 30 minutes for cooling purposes.

"These technologies and machines will help farmers have some rest and save energy, which is good for their health. Animals will be left for beef supply and confine the hoe to the museum," he notes.

Schweizer Agriculture has since partnered with Kachi Agriculture Micro Finance to manage hire purchase facilities such as the one awarded to Momboshi Irrigation Scheme and Youth Agriculture Mechanisation Enterprise Cooperative.

The credit facilities offered to small-scale farmers have a flexible repayment period of between six and 12 months.

In spreading mechanised



SCHWEIZER Agriculture Appropriate TechnologyTM marketing and sales manager Patience Goma (third from left) demonstrating how a tiller operates. PICTURE: SCHWEIZER AGRICULTURE

solutions to more farmers, Mr Chilungu says Schweizer Agriculture is also working with USAID Edge Zambia Activity to introduce mechanisation services to agrarians at 475 farms in Central, Eastern and Lusaka provinces.

Through these partnerships, Mr Chilungu says, farmers can access mechanisation assistance on hire purchase in exchange for harvested crops as collateral.

"We realise that most farmers cannot easily access finance packages from financial institutions for investment because they do not have assets to use as collateral. So we enter into an agreement where farmers pay through their agreed amounts of yield," he says.

Nevertheless, spreading mechanisation solutions to as many farmers as possible has not been wholly without bottlenecks.

Patience Goma, the Schweizer Agriculture sales and marketing manager, says the challenge faced in rolling out mechanised solutions has been lack of information among small-scale farmers regarding where they can access the services.

"For those that might have some form of information on the availability of mechanised solutions, the challenge has been that they do not have financial capacities to acquire the equipment," Ms Goma says.

"To avert absence of the supplied equipment, Ms Goma shares that Schweizer Agriculture uses the IoT (Internet of Things) device with the features of de-risking agricultural mechanisation like the tiller from being mismanaged by the operators.

"The IoT device has a reporting, analytics, tracking, alerts and surveillance software to manage its usage, monitor



DIRECTOR of SMEs Elton Mizinga (left), a Ms Nadia of USAID Edge Zambia Activity, and Kachi Agri Micro Finance chief financial officer Cosmas Katunda discussing asset financing opportunities under the Agricultural Credit Act of 2010 that empowers actors to provide credits to farmers who do not have collateral to access inputs or asset financing. PICTURE: SCHWEIZER AGRICULTURE

fuel and sends alerts-based messages to asset owners such as commercial banks, government institutions, insurance companies, and investors, especially those obtained under asset financing until its fully paid for," she says.

"The device can switch off on its own to manage its performance when the equipment is due for service maintenance."

In providing this technology, she says Schweizer Agriculture has partnered with Hello Tractor, an American tractor hardware and technology software provider.

The two firms signed a memorandum of understanding (MoU) early this year with the aim of assisting commercial banks, insurance companies, investors and project sponsors to track and monitor equipment usage that is often abused.

According to Ms Goma, the company has a goal to provide such devices to totally help de-risk this area and encourage banks, insurance and sponsors investors into mechanisation.

Apart from farming equipment, Schweizer Agriculture has partnered with Western Seed to roll out three certified maize hybrids targeting to distribute 350

tonnes to small-scale farmers in Central, Lusaka, Eastern, Copperbelt, North-Western and Southern provinces this agricultural season.

Government shows the importance it attaches to the agriculture sector through a number of policy documents such as the Strategic Plan for Agriculture and Rural Statistics (SPARS) - Zambia 2019 - 2023.

The significance of the agriculture sector is highly acknowledged, as it is the single largest employer and makes a significant contribution to the gross domestic product (GDP).

"As such, there is absolute need to be regularly monitoring the performance of this sector, and this requires pertinent statistics," the SPARS Zambia indicates.

Zambia covers 752,610 square kilometres, and of this area, 34 percent is used for agriculture and seven percent is arable.

With partnerships such as those with Schweizer Agriculture which enable small-scale farmers like Mr Kalimula to maximise yields, the agriculture sector is poised to immensely contribute to Zambia's boosted food security and reduced poverty.



CORN HARVESTER



▶ OWNING AN Appropriate Technology™ CORN HARVESTER

HAS BEEN MORE AFFORDABLE THROUGH
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TERMS AND CONDITIONS APPLY

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Insurance. Asset financing products are subject to credit approval and lending bank'
terms and conditions.

▶ **Appropriate Technology™**
CORN HARVESTER
SPECIFICATIONS



Model		Appropriate Technology™ 4YZP-3G
Overall	Type	Wheel self-propelled
	Rows of cutter	3
	Width of Cutting	1800 mm
	Application row width	450-650 mm
	Cutting center Distance	550 mm
	Productivity	0.3-0.55 hectare/hour
	Total Weight	5500Kg
	Working Dimensions(L×W×H)	6250×2000×3200 mm
Engine	The model of engine	YC4A175-T301
	Engine	Diesel engine
	Track grounding pressure	175HP/(129KW)
	Rated speed	2300 r/min
	Oil consumption	≤25kg/ hectare
	Oil tank	235L
Chassis	Gear-box	Mechanical (3+1)*2
	Steering	Hydraulic
	Minimum ground clearance	300mm
	Minimum turning radius(L-R)	5200-5400MM
	Tire Size Front/Rear	13.6-24 / 10-15
	Wheel track Front/Rear	1620-1450mm
	wheel base	2647mm
	Working Speed	2~ 6Km/H
	Cabin	General

▶ **Appropriate Technology™**
CORN HARVESTER
SPECIFICATIONS



Model		Appropriate Technology™ 4YZP-3G
Grain Tank	Volume	2000L
	Unloading grain height	2070mm
	Unloading type	Hydraulic
Peeler Machine	Stripping Type	Rubber Roller
	Stripping Size	Φ72*830
	Quantity of Stripping Roller	16
Stalks Crusher	Model	1JH-180
	Working width	1800mm
	Type	Free swinging knife type





RICE COMBINE HARVESTER



▶ OWNING AN Appropriate Technology™ RICE COMBINE HARVESTER

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▶ Appropriate Technology™

RICE COMBINE HARVESTER SPECIFICATIONS



Model		Appropriate Technology™ 4LZ-1.0	
No.	Item	Unit	Design Value
1.	Model	/	4LZ-1.0LA
2.	Structure type	/	Caterpillar ride
3.	Dimensions in working condition (L*W*H)	mm	3300*1500*1550
4.	Weight	kg	630
5.	Working width of cutting table	mm	1140
6.	Minimum ground clearance	mm	200
7.	Average earth pressure	kpa	8.4
8.	Rated feed quantity	kg/s	1.1
9.	Gears	/	Forward gear, backward gear, walking gear, fast gear, neutral gear, slow gear
10.	Walking speed	m/s	0.4~1.2
11.	Hourly productivity	hm ² /h	≥0.06
12.	Fuel consumption	kg/hm ²	≤35
13.	Internal combustion engine	/	
14.	Internal combustion engine	/	192FB diesel engine
15.	Engine type	/	Vertical, single cylinder, 4 stroke
16.	Rated output	kW	7.5
17.	Rated rotate speed	r/min	3600
18.	Engine Cooling mode	/	Forced air cooling
19.	Cylinder	/	1
20.	Start	/	Electrical
21.	Fuel type	/	Diesel

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RICE COMBINE HARVESTER SPECIFICATIONS



Model		Appropriate Technology™ 4LZ-1.0	
No.	Item	Unit	Design Value
22.	Header type	/	Horizontal
23.	Header lifting method	/	Motor hydraulic
24.	Blade type	/	Type II cutter
25.	Number of cutter assemblies	/	2
26.	Auger type	/	Spiral retractable finger
27.	Auger speed	r/min	200
28.	The gap between the auger and the bottom plate	mm	15
29.	Reel type	/	Eccentric spring tooth
30.	Reel diameter	mm	730
31.	Reel speed	r/min	40
32.	Number of reels	/	4
33.	Divider	/	Have
34.	Intermediate conveyor type	/	chain rake
35.	Release roller type	/	Axial flow, rod tooth
36.	Release roller size (outer diameter x length)	mm	390×890
37.	Tooth height from the pulley	mm	75
38.	Number of teeth from the pulley	/	52
39.	Disengage drum speed	r/min	1100
40.	Concave screen type	/	raster format
41.	Fan type	/	Centrifugal
42.	Fan diameter	mm	225

▶ Appropriate Technology™

RICE COMBINE HARVESTER SPECIFICATIONS



Model		Appropriate Technology™ 4LZ-1.0	
No.	Item	Unit	Design Value
43.	Speed of the fan	r/min	3600
44.	Number of fans	/	1
45.	Grain Conveyor Type	/	Scraper
46.	How to receive rice	/	Manual bagging of rice
47.	Track type	/	full track
48.	Track Specifications (Pitch × Number of Sections × Width)	/	79mm×41 sections×360mm
49.	Track gauge	mm	690
50.	Transmission type	/	stepped, reverse gear
51.	Travel clutch type	/	Tensioner
52.	Brake type	/	Mechanical friction disc
53.	Working clutch type	/	Tensioner
54.	Steering method	/	Mechanical friction disc



RICE & WHEAT COMBINE HARVESTER



▶ OWNING AN Appropriate Technology™ RICE & WHEAT COMBINE HARVESTER

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RICE & WHEAT
COMBINE HARVESTER
SPECIFICATIONS



Model		Appropriate Technology™ 4LZ-5
Cutting table width		2000 mm
Feeding volume		5 kg/s
Working efficiency		0.27~0.85 hec/h
Dimension(L*W*H)		5450×2520×2870 mm
Weight		3400 kg
Min. ground clearance		330 mm
Track grounding pressure		≤24 K pa
Operating speed		0.9~6.5 km/h
Fuel Consumption		≤35 kg/hect
Min. ground clearance		330 mm
Track grounding pressure		≤24 K pa
Dimension	Manufacturer	Famous manufacturer (Changchai)
	Model	4G33TC
	Type	Vertical, Four-stroke, Water-cooled, Direct injection
	Number of cylinders	4
	Rated power	102 HP
	Standard rotary speed	2600 r/min
Cutter type		Euro II
Cutting table cross auger type		Spiral propeller
Reel	Type	Eccentric spring tooth
	Diameter	Φ900 mm
	Reel bar	5
Threshing mechanism arrangement		Longitudinal axial flow

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RICE & WHEAT COMBINE HARVESTER SPECIFICATIONS



Model		Appropriate Technology™ 4LZ-5
Threshing Drum	Number	1
	Type	Longitudinal axial rod type
	Size (OD*Length)	Φ620*200 mm
Concave screen type		Grid format
Fan	Type	Centrifugal type
	Diameter	Φ400 mm
	Quantity	1
Rubber Track	Pitch × Section Number × Width	90mm × 51 × 400mm (450/500/550mm is optional)
	Gauge	1150 mm
Working Gears		I, II
Cab type		Mechanical+HST
Gearbox type		5450×2520×2870 mm
Service brake		Wet friction plate type
Drive axle type		Hydro-static Drive
Stem shredder type		Rotary blade type
Unloading Grain type	Small Grain Tank	Manual & sacked
	Big Grain Tank	Mufti-directional unloading grain
The volume of Grain Tank		1.4 M ³
Re-thresher type		Blade type

SOYBEAN COMBINE HARVESTER



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Soybean COMBINE HARVESTER SPECIFICATIONS



Model	Appropriate Technology™ 4LZ-8A
Type	Wheel Type
Wheel	2 drive wheel, 2 direction wheels
Size	6640*3600*3430 mm
NW	6260 Kg
Function	Cutting, threshing and collection
Engine	Yuchai
Model	YC4A160-T310
Power	160HP
Speed	2200 r/min
Style	4 cycle diesel
Cutting width	3270 mm
Feed quantity	8Kg/s
Work efficiency	0.8-1.2 hm ² /h
Oil consumption	≤20 kg/hm ²
Minimum grain height from field	290mm
Grain unloading	Mechanical
Grain tank	2000 L
Fuel tank	220 L
Gear box	Mechanical
Type	Rasp bar
No. of rasp bars:	8
Cylinder diameter	550 mm
Cylinder width	1020 mm

▶ **Appropriate Technology™**
Soybean
COMBINE HARVESTER
SPECIFICATIONS



Model	Appropriate Technology™ 4LZ-8A
Total loss rate for wheat	≤1.2%
Total loss rate for rice	≤3%
Breakage rate	≤1.0%
Impurity rate	≤2.0%



5 TONNE TRAILERS



▶ OWNING AN Appropriate Technology™ 5 Tonnes trailers

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▶ **Appropriate Technology™**
5 TONNE TRAILERS
SPECIFICATIONS



Model	Appropriate Technology™ 7CX-5
Carriage dimension(mm)	3950*2150*550
Load(kg)	5000kg
Dead weight(kg)	1700
Tyre type	8.25-16/4
Download form	Hydraulic dump



6 ROWS CORN, SOYABEAN PLANTER

▶ OWNING AN Appropriate Technology™ 6 ROWS CORN, SOYABEAN PLANTER

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▶ **Appropriate Technology™**
**6 ROWS CORN,
 SOYABEAN PLANTER
 SPECIFICATIONS**



Model	Appropriate Technology™ 2BYQF-6
Sowing seeds depth(mm)	20-50
Rowing Space(mm)	600
Rows	6
Plant spacing(mm)	Ajustable(140/173/226/280)
Ditching depth(mm)	60-80
Fertilizing depth(mm)	60-80
Capacity of seed box(L)	20*6
Capacity of fertilizer box(L)	390
Overall dimension(mm)	1600*3600*1200
Linkage	Three point linkage
Weight(KG)	750



SOYABEANS HARVESTER

▶ OWNING AN Appropriate Technology™ SOYABEANS HARVESTER

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▶ Appropriate Technology™

SOYABEANS HARVESTER SPECIFICATIONS



Model	Appropriate Technology™ SoyHarvester
Cutting Width (MM)	1500
Stubble height (MM)	≥50
Placement angle(°):	90 ± 20
Placement form	Lateral strip
Productivity (mu/hour)	3-5
Matched Horsepower (KW)	R175/7HP
Net Weight(KG)	250
Total loss rate (%)	soyabeans<1



Commodities & Warehouse Receipt Financing





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AGRI



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