



It has been 40 years since KARUI created the first wood grinding machine in Japan. Karui Grinders not only reduce the difficult work of disposing of branches, but also create the chips to be used as fertilizer.

Grinding machines and pumps

KARUI

General
Catalogue



Bamboo chips after grinding



Please visit our website and look at the videos of our machines.

<https://funsaiiki.com>

You 

DraCom

The DraCom evenly grinds various kinds of trees including fruit trees and garden trees as well as bamboo.

Easy parts replacement
Simple maintenance



See the KDC-1103B in action on YouTube.

KDC-1103B

Blade type with blower
self-propelling

Maximum grinding capacity
580 kg/h
Maximum output
7.3 KW
Maximum grinding diameter
125 mm



KDC-803B

Blade type with blower
self-propelling

Maximum grinding capacity
500 kg/h
Maximum output
5.8 KW
Maximum grinding diameter
120 mm



KDC-1303B

Blade type with blower
self-propelling

Maximum grinding capacity
850 kg/h
Maximum output
9.5 KW
Maximum grinding diameter
140 mm



KDC-803

Blade type without blower
self-propelling

Maximum grinding capacity
700 kg/h
Maximum output
5.8 KW
Maximum grinding diameter
120 mm



KDC-1103

Blade type without blower
self-propelling

Maximum grinding capacity
800 kg/h
Maximum output
7.3 KW
Maximum grinding diameter
125 mm



KDC-1303

Blade type without blower
self-propelling

Maximum grinding capacity
1,200 kg/h
Maximum output
9.5 KW
Maximum grinding diameter
140 mm



CHIPSTAR

Able to grind materials containing nails and screws such as old wooden Pallets, Frames and Waste.

KSC-1303B

Hammer type with blower
self-propelling

Maximum grinding capacity
470 kg/h
Maximum output
9.5 KW
Maximum grinding diameter
135 mm



See the KSC-1303B in action on YouTube.

Grind all sorts of materials

The CHIPSTAR can take pruned branches and old pallets along with old wooden with nails and screws still in them.



KSC-1303

Hammer type without blower
self-propelling

Maximum grinding capacity
750 kg/h
Maximum output
9.5 KW
Maximum grinding diameter
135 mm



3 point link and mount type connecting to Tractor

PTO-1700N-1

Blade type with blower
Tractor PTO type



See the PTO-1700N in action on YouTube.



Maximum grinding capacity
1,100 kg/h
Maximum output
14.5~22 KW
Maximum grinding diameter
170 mm

PTO-1200N-1

Blade type with blower
Tractor PTO type



See the PTO-1200N in action on YouTube.



Maximum grinding capacity
700 kg/h
Maximum output
9.5~14.7 KW
Maximum grinding diameter
120 mm

PTO-1550H-1

Hammer type with blower
Tractor PTO type



Maximum grinding capacity
1,100 kg/h
Maximum output
14.5~22 KW
Maximum grinding diameter
155 mm

PTO-1200H-1

Hammer type with blower
Tractor PTO type



See the PTO-1200H in action on YouTube.



Maximum grinding capacity
700 kg/h
Maximum output
9.5~14.7 KW
Maximum grinding diameter
120 mm

Equipment Features

DraCom × CHIPSTAR

KDC-803

KDC-803B

KDC-1103

KDC-1103B

KDC-1303

KDC-1303B

PTO-1700N-1

PTO-1200N-1

KSC-1303

KSC-1303B

PTO-1550H-1

PTO-1200H-1

1 Chipper blade method

Only for the DraCom



This method discharges fine chips. Both sides of the blade can be used and grinded enabling re-usage.

2 Swing hammer method

Only for the CHIPSTAR



This method includes an original special type of steel which is tough against foreign materials. The amount of abrasion is low and both sides can be used for superior value.

3 Electronic control feed roller



The rotor load is instantly detected automatically controlling the feed roller so you can carry out grinding with ease.

4 Auto-quick reverse function



The rotor load (engine load) is detected temporarily reversing the feed roller so work efficiency is improved.

5 Switching between normal and thin branch modes



When feeding a small amount of materials such as thin branches with a diameter of 3cm or less or grass, switch to the "Thin Branch" mode to improve fuel efficiency and reduce the noise level.

6 Normal operation and reverse operation switch



It is possible to easily reverse the Feed Roller with this switch when the machine cannot handle the feed during grinding.

7 Changeable blower function



The tip can be adjusted at any angle freely so the discharge direction can be changed with ease.

8 Release function



When the machine stops with the blade/hammer jammed, insert the wrench which comes with the machines and rotate it for easy release.

9 1-point sling hook



The machine is designed with balance in mind for convenience when lifting with a crane, etc.

10 Substitutable claws on the feed roller



You can change to jagged claws or flat claws depending on the grinding materials and work conditions.

Patent pending

11 Lower discharge



For models with a blower, use it when it is not necessary to project the tip to a distant place, or when the blower does not fly well and becomes clogged depending on the material and condition of the crushed material.

A tool is required for the lower discharge installation.

12 Open-close type shoot



Carry out lubrication, engine maintenance and fixed blade exchange with ease.

13 Emergency stop button



Push the emergency stop button in a emergency to stop the feed roller and engine for preventing accidents.

14 Reverse crush prevention function



When a certain amount of force is applied when reversing, the clutch turns off and stops to prevent accidents involving crushing objects which are in the path of the machine.

Specifications/ Compliance Table

● Standard
▲ Optional

| Specifications/ Compliance Table | | Grinding devices | | | | | | | Efficiency devices | | | | | Safety devices | | Screen | optional devices | | |
|-------------------------------------|-------------|------------------------------|-----------------------------|-------------------------------------------|----------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|--------------------------|----------------------------|----------------------------------------------------|--------------------------|--------------------------------|--------------------------------|-----------------------------------------------|--------------------------|--------------------------------|----------------------------|-------------------------------|
| | | 1 Chipper blade method | 2 Swing hammer method | 3 Electronic control feed roller | 4 Auto-quick reverse function | 5 Switching between normal and thin branch models | 6 Normal operation and reverse operation switch | 7 Changeable blower function | 8 Release function | 9 1-point sling hook | 10 Substitutable claws on the feed roller | 11 Lower discharge | 12 Open-close type shoot | 13 Emergency stop button | 14 Reverse crush prevention function | 15 Standard screen | 16 Optional: Fine screen | 17 Optional: Cyclone | 18 Optional: Hour meter |
| DraCom | KDC-803 | ● | | ● | | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | | ▲ |
| | KDC-803B | ● | | ● | | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | | ▲ |
| | KDC-1103 | ● | | ● | ● | | ● | | ● | ● | | ● | ● | ● | ● | ● | ▲ | | ▲ |
| | KDC-1103B | ● | | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | | ▲ |
| | KDC-1303 | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | | ▲ |
| | KDC-1303B | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | ▲ | ▲ |
| | PTO-1700N-1 | ● | | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | ▲ | ▲ |
| | PTO-1200N-1 | ● | | | | | | | | | | | ● | | | ● | ▲ | | |
| CHIPSTAR | KSC-1303 | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | | | ▲ |
| | KSC-1303B | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | | | ▲ |
| | PTO-1550H-1 | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | | | ▲ |
| | PTO-1200H-1 | | ● | | | | | | ● | ● | ● | | ● | | | ● | | | |

15 Standard screen



The screen can be removed and attached without any tools using a one-touch method. This allows for an even discharge of chips.

Standard

16 Optional: Fine screen



This screen is for grinding materials in a finer manner. This is suitable for grinding bamboo into powder.

Only for the DraCom **Optional**

KDC-803, KDC-803B, KDC-1103, KDC-1103B, PTO-1200N-1 [OPTIONAL] | KDC-1303, KDC-1303B, PTO-1700N-1 [OPTIONAL]

17 Optional: Cyclone

The tip is collected in the bag directly

KDC-1303B / PTO-1700N-1

Correspondence



18 Optional: Hour meter

As a guide for regular inspection and maintenance

KDC-803 / KDC-803B / KDC-1103 / KDC-1103B / Correspondence
KDC-1303 / KDC-1303B / KSC-1303 / KSC-1303B

PTO-1700N-1 / PTO-1550H-1 Correspondence



SCUT

Small grinding machine

3 types for you specific needs



Blade & Hammer type
HNK-600-1

Self propelling type

Blade & Hammer type
HNP-62L-1



Hand push type

Blade & Hammer type
HNT-62L-1

Mounted type



Maximum grinding capacity 300-500 kg/h
Maximum output 4.6 kw
Maximum grinding diameter 60 mm

MINI SHREDDER

Full-scale shredder of garden trees and twigs

Automatic feed roller and centrifugal clutch

Maximum grinding capacity 150 kg/h
Maximum output 3.1 KW
Maximum grinding diameter 40 mm

KMN-1-1



SHELL CRUSHER

Secondary processing / special crusher

Impressions Crushing shells, crab shells, lumber scraps, etc.

Maximum output 4.6 KW

SC-1K-1



PUMP

HIGH PRESSUR PUMPS with Check Valve (Canassuten Pumps)



SS-250

- Inlet/outlet: 25mm
- Standard RPM: 5,000rpm
- Discharge amount: 130L/min
- Lifting height: 50m
- Necessary power: 1.9kw (2.5HP)
- Weight: 5kg
- Dimensions: L246 × W152 × H238mm
- Pulley size: 2A1



SS-450

- Inlet/outlet: 40mm
- Standard RPM: 4,200rpm
- Discharge amount: 340L/min
- Lifting height: 54m
- Necessary power: 3.9kw (5.2HP)
- Weight: 13kg
- Dimensions: L355 × W222 × H355mm
- Pulley size: 3A2



SS-500

- Inlet/outlet: 50mm
- Standard RPM: 3,800rpm
- Discharge amount: 550L/min
- Lifting height: 48m
- Necessary power: 3.9kw (5.2HP)
- Weight: 13kg
- Dimensions: L350 × W222 × H368mm
- Pulley size: 3B2



SS-551

- Inlet/outlet: 50mm
- Standard RPM: 3,600rpm
- Discharge amount: 560L/min
- Lifting height: 50m
- Necessary power: 4.35kw (5.8HP)
- Weight: 18.5kg
- Dimensions: L375 × W245 × H380mm
- Pulley size: 3B2



SS-651

- Inlet/outlet: 65mm
- Standard RPM: 3,800rpm
- Discharge amount: 820L/min
- Lifting height: 68m
- Necessary power: 9.75kw (13.0HP)
- Weight: 29kg
- Dimensions: L462 × W300 × H510mm
- Pulley size: 4B3

SUPER HIGH PRESSUR PUMPS



KMH-40

- Inlet/outlet: 40mm
- Standard RPM: 4,500rpm
- Discharge amount: 350L/min
- Lifting height: 120m
- Necessary power: 9kw (12.0HP)
- Weight: 17kg
- Dimensions: L392 × W216 × H345mm
- Pulley size: 4B3 beta

HIGH PRESSUR PUMPS (Canal Pumps)



SS-40

- Inlet/outlet: 40mm
- Standard RPM: 4,200rpm
- Discharge amount: 410L/min
- Lifting height: 54m
- Necessary power: 3.75kw (5.0HP)
- Weight: 12kg
- Dimensions: L355 × W220 × H390mm
- Pulley size: 3A2



SS-50

- Inlet/outlet: 50mm
- Standard RPM: 3,800rpm
- Discharge amount: 590L/min
- Lifting height: 48m
- Necessary power: 4.35kw (5.8HP)
- Weight: 16kg
- Dimensions: L386 × W257 × H410mm
- Pulley size: 3B2

LOW PRESSUR PUMPS



KL-65H

- Inlet/outlet: 65mm
- Standard RPM: 3,000rpm
- Discharge amount: 780L/min
- Lifting height: 38m
- Necessary power: 3.7kw (5.0HP)
- Weight: 28kg
- Dimensions: L367 × W282 × H366mm
- Pulley size: 3B2

KL-80H

- Inlet/outlet: 80mm
- Standard RPM: 2,600rpm
- Discharge amount: 860L/min
- Lifting height: 29m
- Necessary power: 3.7kw (5.0HP)
- Weight: 29kg
- Dimensions: L370 × W282 × H366mm
- Pulley size: 3B2

HIGH PRESSUR PUMPS



KLO-651

- Inlet/outlet: 65mm
- Standard RPM: 4,000rpm
- Discharge amount: 1050L/min
- Lifting height: 68m
- Necessary power: 9.75kw (13.0HP)
- Weight: 28kg
- Dimensions: L388 × W282 × H366mm
- Pulley size: 3.5B2 beta

KLO-801

- Inlet/outlet: 80mm
- Standard RPM: 4,000rpm
- Discharge amount: 1330L/min
- Lifting height: 68m
- Necessary power: 12kw (16.0HP)
- Weight: 29kg
- Dimensions: L391 × W282 × H366mm
- Pulley size: 3.5B2 beta

HIGH PRESSUR ENGINE PUMPS



SSE-450V

- Inlet/outlet: 40mm ● Engine: 4.5kw (6HP)
- Lifting height: 50m
- Discharge amount: 360L/min ● Weight: 35kg
- Dimensions: L595 × W375 × H527mm



SSE-551V

- Inlet/outlet: 50mm ● Engine: 4.5kw (6HP)
- Lifting height: 50m
- Discharge amount: 560L/min ● Weight: 35kg
- Dimensions: L595 × W375 × H527mm



SSE-650V

- Inlet/outlet: 65mm ● Engine: 6kw (8HP)
- Lifting height: 60m
- Discharge amount: 780L/min ● Weight: 52kg
- Dimensions: L625 × W500 × H532mm



SSE-800V

- Inlet/outlet: 80mm ● Engine: 6kw (8HP)
- Lifting height: 60m
- Discharge amount: 900L/min ● Weight: 54kg
- Dimensions: L625 × W500 × H532mm

KARUI COMPANY HISTORY

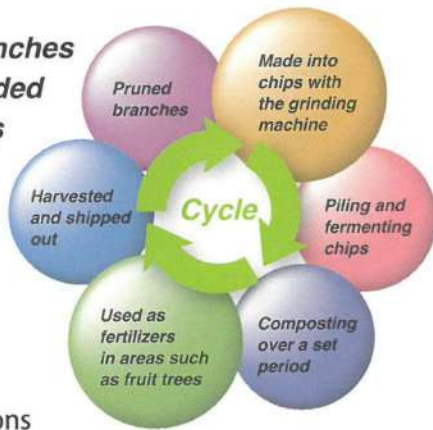
In 1975, KARUI was the first in Japan to create a wood grinding machine.

KARUI was established in 1916 and has been trusted as a good partner to Japanese farmers since.

KARUI is putting forth more efforts in the future to provide services for all of its customers.

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- 1860s~ Shouhei Takahashi (高橋尚平) ran a gunsmith on Iyomishima Island in Aichi Prefecture.
- 1910s
- 1916 The Takahashi Factory was established and distribution of agricultural equipment starts.
- 1918 The air-cooled oil engine was completed and distribution started.
- 1921 Our engine was exhibited at the 1st Agricultural Oil Engine Comparison Testing held by the Ministry of Agriculture and Commerce and was selected at the top spot. This was named the KARUI (meaning light in Japanese) oil engine because it was the lightest engine in Japan and overseas.
- 1925 The KARUI oil engine was selected at the top spot in the 1st Agricultural Oil Engine Comparative Judging held by the Ministry of Agriculture and Forestry
- 1930 The KARUI oil engine was selected at the top spot in the 2nd Agricultural Oil Engine Comparative Judging held by the Ministry of Agriculture and Forestry and became a recommend machine of the Ministry of Agriculture and Forestry.
- 1939 Operations were moved from Iyomishima Island in Aichi Prefecture to Yamagata Prefecture due to Yamagata Prefecture business attracting laws and Yamagata Engine was established. This was the first company established in Yamagata using Yamagata Prefecture business attracting laws.
- 1940 The establishment of Tohoku promotion laws led to mergers with Sakata Agricultural Machinery and Akita Agricultural Machinery. The trade name was changed to Tohoku Shinko Agricultural Machinery and the company became a statutory company under the Tohoku Industrial Promotion Group.
- 1941 The KARUI oil engine was selected at the top spot in the 3rd Agricultural Oil Engine Comparative Judging held by the Ministry of Agriculture and Forestry
- 1943 Merger with the Sakaku Spraying Machine Factory.
- 1944 The trade name was changed to Tohoku Zoki and it became a factory managed by the Naval Ship Head Office of the Ministry of Military and Food Affairs.
- 1946 The company received the designation of a special accounting company after WWII and started planning.
- 1947 Our engine was selected at the top spot in the Industrial Internal Combustion Engine Comparison Judging at the machine testing facility of the Ministry of International Trade and Industry.
- 1949 Our engine was selected at the top spot in the Industrial Internal Combustion Engine Comparison Judging held by the machine testing facility of the Ministry of International Trade and Industry.
- 1960 The trade name was changed to KARUI Kogyo.
- 1964 The canal pump was developed.
- 1965 The canal pump passed the liquid pump division of government inspections.
- 1967 The Ministry of International Trade and Industry decided to award subsidization of costs for technological improvements in SMEs for self-priming pump research.
- 1974 Total sales of canal pumps reached 300,000 units.
- 1975 The first wood grinding machine in Japan was developed.
- 1976 The factory was moved to a newly built factory in the Seibu Industrial Park of Yamagata City.
- 1977 The Ministry of International Trade and Industry decided to award subsidization of costs for technological improvements in SMEs for hydraulic cutting scissors research.
- 1978 Distribution of the wood grinding machine "KARUI CHIPSTAR" started.
- 1981 The shell grinding machine "Shell Crusher" is developed and distribution started.
- 1990 The trade name was changed to KARUI.
- 1991 The garbage grinding machine "Recycle Crusher" is developed and distribution started.
- 1997 Distribution of the large grinding machine "Green Shredder" started.
- 2000 Distribution of the small grinding machine "Mini Shredder" started.
- 2002 Distribution of the new chipper "SCUT (2 types)" started.
- 2005 Distribution of the new 13ps chipper "DraCom (2 types)" started.
- 2006 Distribution of the new 10ps chipper "Acute (2 types)" started.
- 2008 Distribution of the chipper "NEW SCUT (3 types)" and the new 13sp chipper "DraCom (2 types)" started.
- 2009 Distribution of the first chipper with a blower in its class "MiniDora" started.
- 2010 Distribution of the new 8sp chipper "DraCom (2 types)" and the new 10sp chipper "DraCom (2 types)" started.
- 2012 Distribution of the DraCom 10sp (2 types), 13sp (2 types) and the CHIPSTAR 13sp (2 types) started.
- 2013 Distribution of the tractor PTO type DraCom and CHIPSTAR started.
- 2014 Distribution of the DraCom 8sp (2 types) started.
- 2016 **Celebrating 100 years since its founding.**
- 2019 Distribution of the tractor PTO type DraCom and CHIPSTAR started.
- 2020 Distribution of the DraCom 13sp (2 types) and the CHIPSTAR 13sp (2 types) started.

**Pruned branches
can be grinded
and used as
organic
fertilizer!**



Main uses for chips

Smaller after grinding!

● Organic fertilizer ● Soil conditioner ● Dairy materials

- Mulch
- Weed prevention
- Paving materials
- Papermaking stock
- Slope vegetation material
- Carbonization deodorant
- Humidity control for carbonization



After grinding

Specifications

| Product name | | DraCom | | | | | | | | |
|-------------------|---------------------------------|-----------------------------------------------------------------------------|----------|-------------------------------------------------------------------|----------|----------------|---------|---------------------|-----------------------------------|---|
| Model | | KDC-1303B | KDC-1303 | KDC-1103B | KDC-1103 | KDC-803B | KDC-803 | PTO-1700N-1 | PTO-1200N-1 | |
| Grinding device | Maximum grinding capacity(mm)※1 | φ140 | | φ125 | | φ120 | | φ170 | φ120 | |
| | Processing capacity(kg/h) ※2 | 850 | 1,200 | 580 | 800 | 500 | 700 | 1,100 | 700 | |
| | Grinding method | Chipper blade | | | | | | | | |
| | Supply method | Electronic control feed roller ※ PTO-1700N-1 requires a DC12V2A connection. | | | | | | | Automatic speed control type feed | |
| | Chip discharge method | Air conveying type | | | | | | | | |
| Movement function | Safety measures | Emergency stop button | | | | | | | — | |
| | Traveling method | Self-propelling crawler type | | | | | | | — | — |
| | Turning method | Side clutch type | | | | | | | — | — |
| | Safety measures | Traveling crush prevention | | | | | | | — | — |
| | Traveling speed(km/h) | Forward speed 1 (2.1)/Forward speed 2 (4.8) /Reverse speed 1 (2.1) | | Forward speed 1 (1.7)/Forward speed 2 (3.9)/Reverse speed 1 (1.8) | | | | — | — | |
| Dimensions | Length(mm) | 1,800 | 1,529 | 1,795 | 1,308 | 1,795 | 1,308 | 1,727 | 1,581 | |
| | Width(mm) | 780 | | | | | | 1,029 | 809 | |
| | Height(mm) | 1,337 | 1,145 | 1,089 | | | 1,342 | 1,197 | | |
| | Weight(kg) | 401 | 371 | 327 | 307 | 316 | 296 | 320 | 217 | |
| Engine | Type | Air-cooled 4 cycle engine | | | | | | — | — | |
| | Maximum output | 9.5kw (13HP) | | 7.3kw (10HP) | | 5.8kw (8HP) | | 14.7~22kw (20~30HP) | 9.6~14.7kw (13~20HP) | |
| | Fuel | Unleaded gasoline | | | | | | 1200rpm (PTO rpm) | 1000rpm (PTO rpm) | |
| | Starting method | Recoil starter + cell motor | | | | Recoil starter | | | | |

| Product name | | CHIPSTAR | | | | SCUT | | | MINI SHREDDER | SHELL CRUSHER |
|-------------------|---------------------------------|-----------------------------------------------------------------------------|----------|---------------------|----------------------|-------------------------------------------------------------------------|-----------------------------|--------------|-------------------|---------------|
| Model | | KSC-1303B | KSC-1303 | PTO-1550H-1 | PTO-1200H-1 | HNK-600-1 | HNP-62L-1 | HNT-62L-1 | KMN-1-1 | SC-1K-1 |
| Grinding device | Maximum grinding capacity(mm)※1 | φ135 | | φ155 | φ120 | φ70 | Softnessφ60/Hardnessφ45 | | φ40 | — |
| | Processing capacity(kg/h) ※2 | 470 | 750 | 1,100 | 700 | 300~500 | | | 150 | — |
| | Grinding method | Free swing hammer | | | | Free swing hammer + blade | | | Free swing hammer | |
| | Supply method | Electronic control feed roller ※ PTO-1550H-1 requires a DC12V2A connection. | | | | Automatic speed control type feed | | | | |
| | Chip discharge method | Air conveying type | | | | | | | — | — |
| Movement function | Safety measures | Emergency stop button | | | — | Emergency stop button | | | — | — |
| | Traveling method | Self-propelling crawler type | | — | — | Self-propelling crawler type | Hand push type | Mounted type | Hand push type | |
| | Turning method | Side clutch type | | — | — | Side clutch type | — | | — | — |
| | Safety measures | Traveling crush prevention | | — | — | Traveling crush prevention | — | | — | — |
| | Traveling speed(km/h) | Forward speed 1 (2.1)/Forward speed 2 (4.8) /Reverse speed 1 (2.1) | | — | — | Forward speed 1 (1.5) Forward speed 2 (1.2) Reverse speed 1 (1.5) | — | | — | — |
| Dimensions | Length(mm) | 1,800 | 1,529 | 1,727 | 1,581 | 1,160 | 1,200 | 820 | 1,150 | 1,200 |
| | Width(mm) | 780 | | 1,029 | 809 | 600 | 929 | 929 | 596 | 675 |
| | Height(mm) | 1,337 | 1,145 | 1,342 | 1,197 | 970 | 933 | 645 | 920 | 1,070 |
| | Weight(kg) | 411 | 381 | 320 | 217 | 200 | 110 | 100 | 65 | 91 |
| Engine | Type | Air-cooled 4 cycle engine | | | — | Air-cooled 4 cycle engine | | | | |
| | Maximum output | 9.5kw (13HP) | | 14.7~22kw (20~30HP) | 9.6~14.7kw (13~20HP) | 4.6kw (13HP) | | | 3.1kw (4.2HP) | 4.6kw (6.3HP) |
| | Fuel | Unleaded gasoline | | | 1200rpm (PTO rpm) | 1000rpm (PTO rpm) | Unleaded gasoline | | | |
| | Starting method | Recoil starter + cell motor | | | | | Recoil starter + cell motor | | | |

※1 Materials may not grind depending on the type and/or conditions of the materials as well as the condition of the blade.
 ※2 Grinding capacity differs depending on the type and/or conditions of the materials as well as the condition of the blade.

The specifications, images and other items may be changed without notice for improvement purposes.

Caution ● Safely use this machine after thoroughly reading the Instruction Manual.

2022.02



KARUI

<https://funsaikei.com>

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