



Safety Precautions: In order to use this product correctly and safely, please read the technical Manual carefully before use.

(Note) Do not use reprint of drawings and information in this catalogue without prior consent of Nakayama.



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 ***Nakayama***

NE100HBJ

A New Standard in quarries and recycling industry

New Normal

NE100HBJ can reduce the fuel cost by up to 90% with the BATTERY equipped with the crusher.

Changing the drive power from the engine to the battery, the drive system becomes very simple reducing the number of parts, which makes the maintenance much easier.

Applications

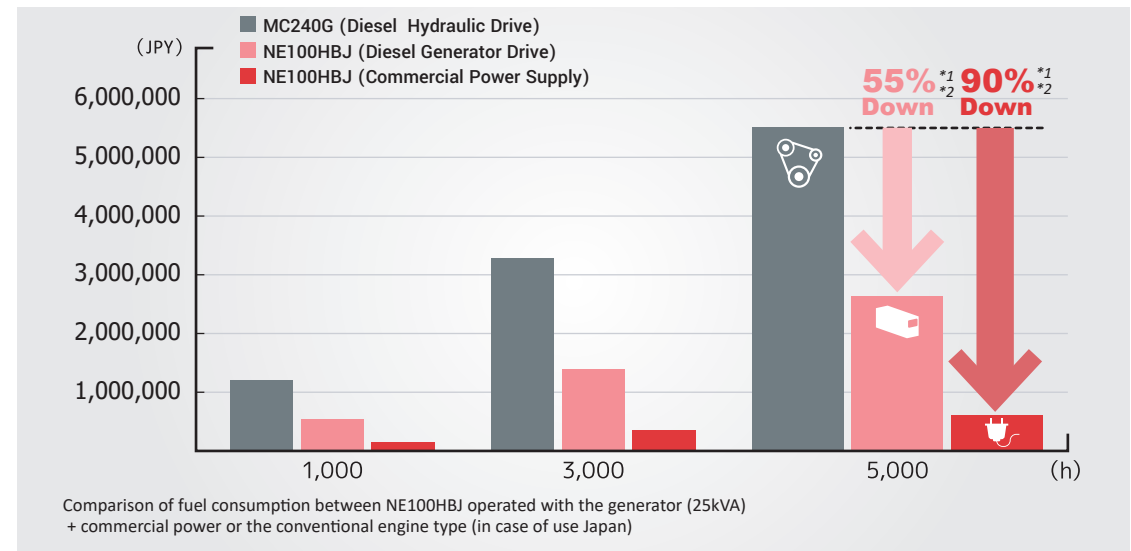
- Concrete / Asphalt wastes
- Friable rocks
- Bricks
- Concrete product

Fuel cost can be reduced by up to 90%.

The battery-powered crusher can operate 4 hours continuously and crush 120TONS.

Comparing the fuel costs with the case of the power by diesel generator or commercial power, the battery crusher can reduce the fuel cost by 55-90%.

In case of commercial power and battery power, engine filter change, engine overhaul and other engine maintenance can be eliminated.



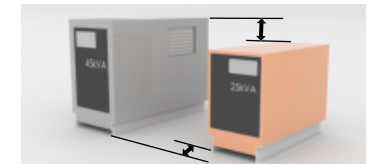
Max
4
Hours

NE100HBJ can crush concrete waste for 4 hours only with the battery.
It can be charged during the night time and operated with less out source power using a battery during the day.

* In case of full charge of battery.

Generator
45
kVA **25**
kVA

It is possible to operate the crusher with an exceptionally smaller generator.
Fuel cost can be greatly reduced because the crusher can operate with a minimum 25kVA generator.



Battery life
12,000
Hours

The batteries will work 1for 1,500H/year x 8 years.
The performance is based on the condition when the batteries are installed on a vehicle, and the battery life is an expectation, not the guarantee.
The battery life is totally dependent on the operating and storage conditions.

Material
Rock & Concrete waste

The feed material to NE100HBJ is rocks and concrete waste.



^{*1} Based on the comparison with our former model MC240G (Diesel-Hydraulic drive). The figures are for guidance only, which varies with the operating conditions, etc.
^{*2} 1\$ = JPY109.73 (As of 8 Feb 2020)

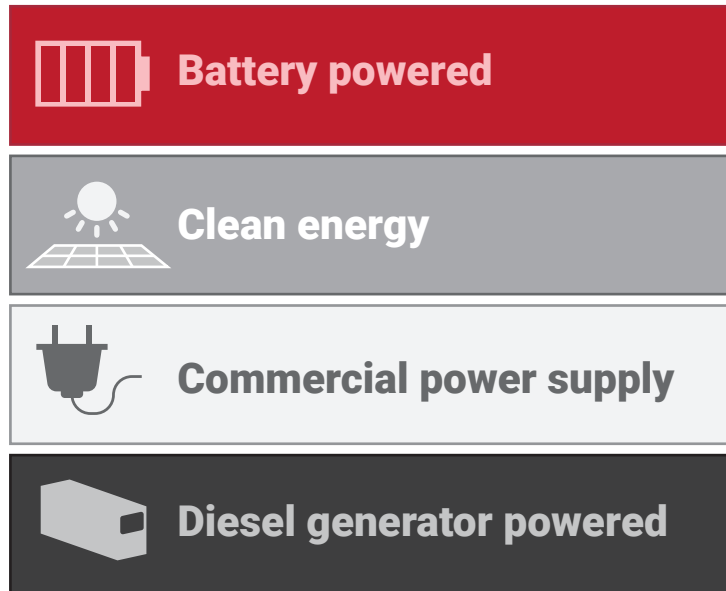


ZERO EMISSION !!

Until now, engine-driven mobile crushers emitted a lot of CO₂ for crushing. However, NE100HBJ is different. Driven with battery, it can reduce the CO₂ emission to ZERO.

Various power sources can be chosen.

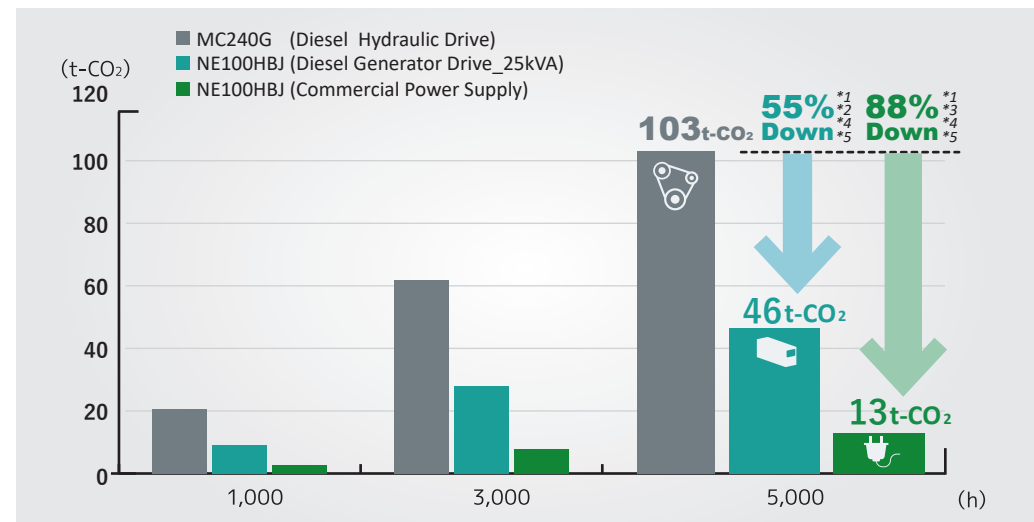
Batteries, Solar power, Commercial Power or Diesel Generator.



Substantial reduction of CO₂ emission by a small generator.

Operated by commercial power can reduce CO₂ by 88% compared to conventional crushers.

Compared to a conventional crusher equipped with a diesel engine, NE100HBJ can be operated by 25kVA generator and it can reduce CO₂ by 55%.



*1 Based on the comparison with our former model MC240G (Diesel-Hydraulic drive). The figures are for guidance only, which varies with the operating conditions, etc. *2 Greenhouse gas emission factor – Based on Data in 2018, by Ministry of Environment and Ministry of Trade and Industry. *3 Greenhouse gas emission factor – Based on "Promotion of Global Warming Countermeasures Enforcement Order. *4 CO₂ emission varies depending on conditions. *5 1\$ = JPY109.73 (As of 8 Feb 2020)

Safer and easily controllable machine for users.

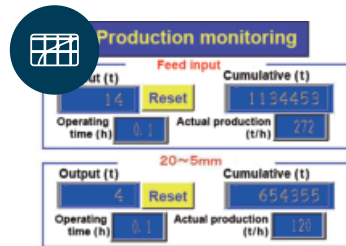
N-Link

Infinite possibility when the plant equipment is connected to internet.

The plant operating scene can be monitored by the camera. The operating condition of the plant equipment and production output are also easily accessible. An emergency alarm and daily production records are automatically transmitted to office computers and smart phones in any place.



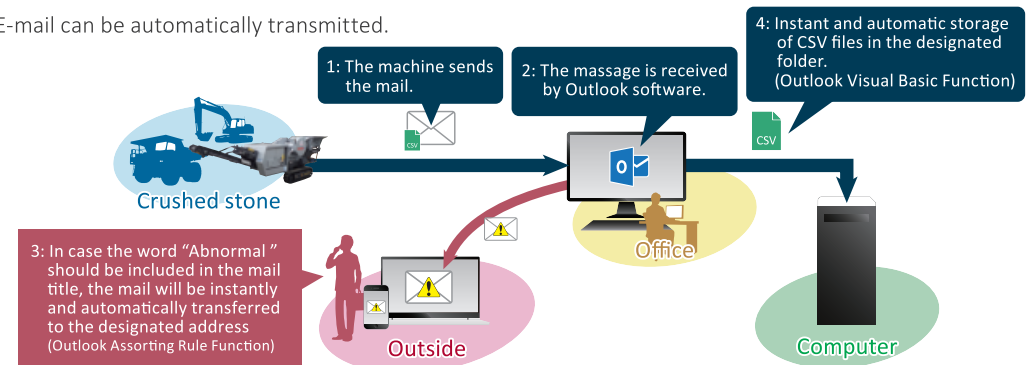
The operating condition can be monitored by cameras.



The production output can be monitored on a real-time basis.



E-mail can be automatically transmitted.



The plant equipment can be controlled from a remote location.



The operating condition at each site can be monitored.



Green box (Data recording device)

Automatic data recording and storage of the equipment state is possible when a technical problem occurs.

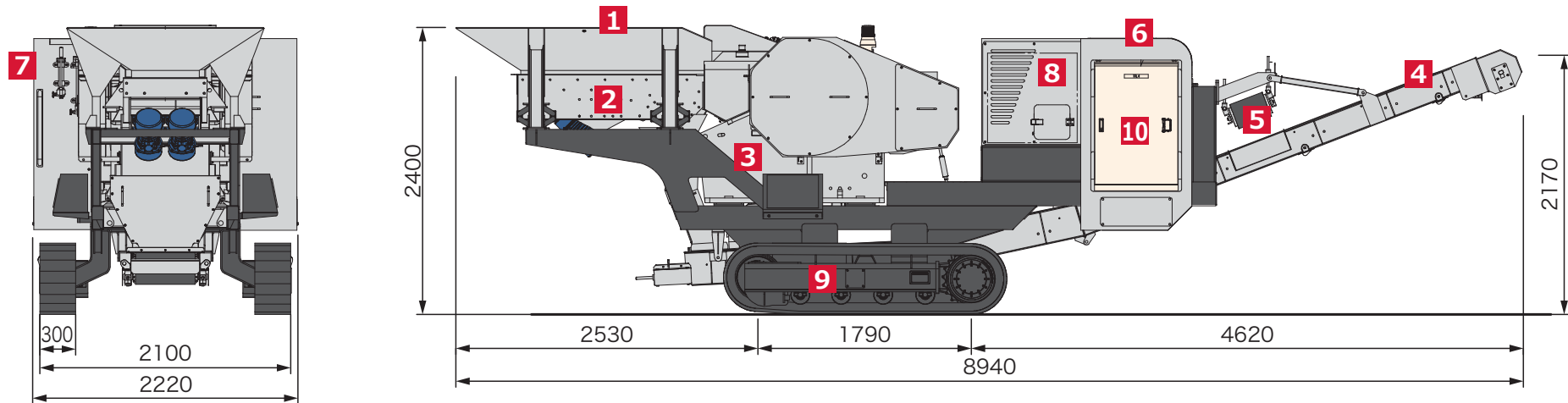


It is also possible to record the date replacement time of each spare part, to improve servicing and schedule downtime maintenance.



The plant operating Programme, such as plant aggregates flow, can be changed from a remote place.

External dimensions

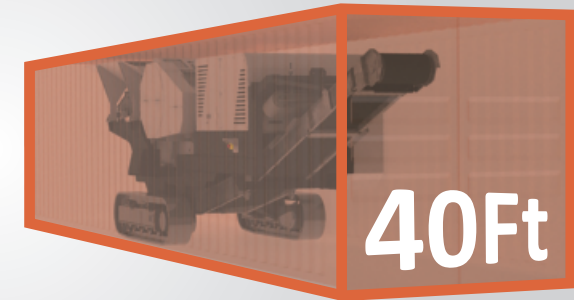


Names of components

- | | |
|----------------------|------------------|
| 1 Feed hopper | 7 Control Panel |
| 2 Grizzly Feeder | 8 Battery |
| 3 Jaw Crusher | 9 Crawler |
| 4 Belt Conveyor | 10 Quick charger |
| 5 Magnetic separator | |
| 6 Hydraulic unit | |

Containerized compact size

The crusher can be loaded in a 40' high-cube dry container without break-down or detaching for easier and more cost-effective transportation.



Specifications of NE100HBJ and NEseries

MODEL	JAW CRUSHER		GRIZZLY FEEDER		APPROX. CAPACITY (TPH)	MAX. FEED SIZE T×W×L (mm)	APPROX. WEIGHT (TON)	
	MODEL	FEED OPENING W×L(mm)	MODEL	TROUGH SIZE W×L(mm)			DIESEL GENERATOR	
							WITH	WITHOUT
NE100HBJ	AC2415	600×370	GFT616H	600×1600	15~50	265×330×600	—	10.5
NE100JP	AC2415	600×370	GFT616H	600×1600	15~50	265×330×600	—	10.2
NE100J	AC2415	600×370	GFT616H	600×1600	15~50	265×330×600	11.3	10.3

■ Processing capacity depends on the quality of raw materials, grain size and input mass. ■ Adjust the discharge setting widely when crush the asphalt material.

■ This machine specifications and dimensions are subject to change without prior notice.