

Dendoman **NE250J**

NEW HYBRID CRAWLER-MOUNTED **JAW CRUSHER**
FOR HIGHER PRODUCTIVITY AND EASIER MAINTENANCE

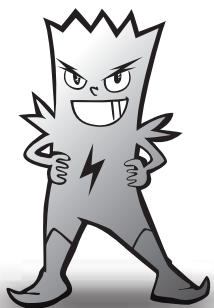
For crushing rocks in quarries, for recycling demolition concrete

THE ADVENT OF “Dendoman”

Nakayama has chosen and developed a new type of crawler-mounted jaw crusher with the electric-driven crushing mechanism and hydraulic travelling and inching system to minimise the overall life-cycle costs of the machine including fuel and running costs as well as initial purchase cost.

This “**Dendoman**” gives higher energy efficiency, easier maintenance and troubleshooting with electric system.

DENDO-means “Electric-powered” in Japanese, and “**Dendoman**” is the name of Nakayama electric-driven crawler-mounted equipment.



NAKAYAMA IRON WORKS, LTD.

HIGHER ENERGY EFFICIENCY – FOR REDUCTION OF GENERATION OF CO₂ LOWER FUEL CONSUMPTION – FUEL COST REDUCTION BY 30% (※)

(※) Compared with Nakayama's equivalent diesel/hydraulic drive model, also dependent on the generator make, type and model.



Generator with Tier4 compliant engine



In-house developed generator with Tier4 compliant engine is incorporated for both clean exhaust gas and fuel consumption reduction. In comparison to Hydraulic drive systems, fuel efficiency is greatly improved, and CO₂ emissions are significantly reduced.



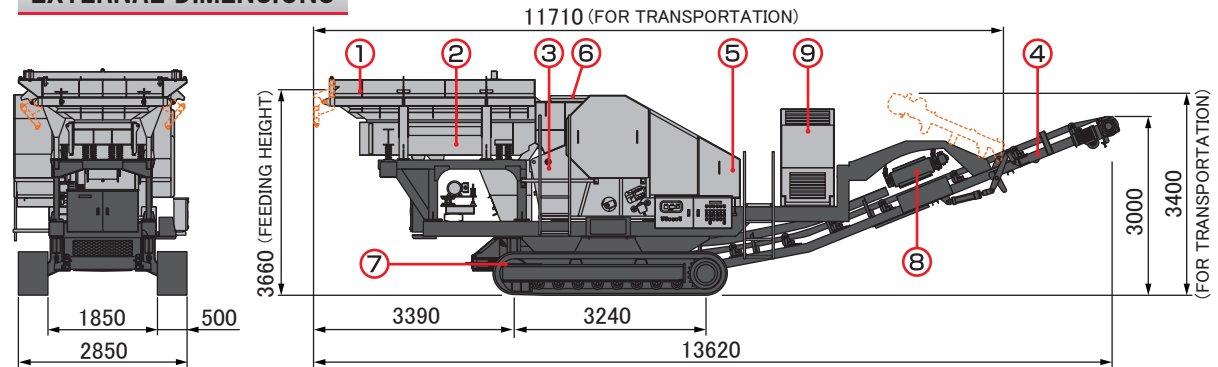
(Compliant with Off-road Special Motor Vehicles Standards for small number of vehicles (2011 year edition))

Crusher Smart Start & Drive System (Hydraulic Inching System)



Although normal operation is carried out with an electric motor of good efficiency, using a hydraulic motor at startup, and switching to an electric motor at a constant number of rotation help suppress the large current overload familiar to direct electric start processes. In addition, when the raw material is blocked into the crushing chamber, it will be discharged using the hydraulic assist device. Not only the protection of the electric motor, but also the restoration of work can be done safely in a short period of time.

EXTERNAL DIMENSIONS



NAMES OF COMPONENTS

- ① FEED HOPPER ② GRIZZLY FEEDER ③ JAW CRUSHER
- ④ BELT CONVEYOR ⑤ HYDRAULIC UNIT ⑥ WATER SPRAY
- ⑦ CRAWLER ⑧ MAGNETIC SEPARATOR ⑨ DIESEL GENERATOR (Option)

SPECIFICATIONS

MODEL	JAW CRUSHER		GRIZZLY FEEDER		APPROX. CAPACITY (TPH)	MAX. FEED SIZE T×W×L (mm)	APPROX. WEIGHT (TON)		DRIVE SYSTEM	
	MODEL	FEED OPENING W×L(mm)	MODEL	TROUGH SIZE W×L(mm)			DIESEL GENERATOR		CRUSHING	TRAVEL
NE250J	AC4220B	1050×500	GVF1030HA	1000×3000	50-250	450×800×1000	WITH	WITHOUT	Electric	Hydraulic
							37	35		

■ Processing capacity depends on the quality of raw materials, grain size and input mass.
■ This machine specifications and dimensions are subject to change without prior notice.

Gap adjustment via touch panel

Gap adjustment and control of all components and functions are achieved easily through the touch panel.



Green box (data recording device)

Automatic data recording and storage of the equipment state when a technical problem occurs. It is also possible to record the replacement time of each spare part, to improve servicing and schedule downtime maintenance.



(Note) Please refrain from using reprint of drawings and matters that are described in this document, without prior notice to our Company.

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