

DGE GENERAL PURPOSE ECONOMICAL GRANULATOR

DGA/DGS/DGX/DGR/DGD/DGC/DGE/DGH/DGP/DPM



KEY FEATURES >

- Deflector wedge
- V-cut technology
- Heavy duty bearings
- Oversized external bearing housings
- Knives are externally adjustable
- Robust welded steel construction
- Wide choice of rotor variations
- Electrical hydraulic control to open housing
- Electrical hydraulic control to open screen cradle
- Replaceable wear plates
- Amp meter control

OPTIONS >

- Extra flywheel
- Double infeed hopper
- Roller feeder
- Mounted screw feeders in hopper
- Winding protection
- Metal detector
- Metal separator
- Bespoke colour scheme
- Increased motor drive

GENERAL DESCRIPTION >

The DGE Economical Granulator has a centrally hinged two-piece cutting chamber with a robust welded steel construction, with the upper and lower sections of the housing meeting horizontally. Reversible stator knives with double cutting edges are fitted as single elements to the lower section of the housing, allowing multiple re-sharpening and adjustment of the stator knives. There is a hinged screen cradle and hinged door for easy screen access.

The rotor is a heavy duty paddle type design with knife cover plates to protect the blades when processing abrasive applications. The knife mounting bolts are screwed into the mounting plates as opposed to the rotor.

All knives are manufactured from chrome nickel tool steel as standard, but when processing applications that are particularly abrasive the DGE granulators can be fitted with a specially designed wear resistant rotor utilizing wear resistant steel parts and hardox facing.

The v-cut cutting geometry offers distinct advantages over other rotor designs, including higher throughput with reduced power consumption, better quality cut, and lower noise levels. Specially designed knife setting jig means that the knives can be adjusted from outside the machine, significantly reducing the downtime required to change/set knives.

The base frame has a solid welded construction with anti-vibration rubber feet to reduce vibration and noise.

The drive motor is mounted on tension rails to allow easy adjustment of the V-belt tension. Integrated suction trough for material discharge. Specially designed hopper with 3 sets of curtains to prevent material flybacks.

Integrated rundown safety device prevents access to the rotor until it has come to a complete stop. A safety switch prevents machine startup when the front panel is open and the machine features emergency stop buttons on the machine body and control panel.

APPLICATIONS >

DGE Economical Granulators have been designed with a wide range of applications and industries in mind such as:
PLASTICS / WOOD / BIOMASS / PAPER / ALTERNATIVE FUELS (RDF/SRF) / DOMESTIC & COMMERCIAL WASTE



Factory address: No.1.Fengqi Road, Yangqiao Town, Huishan District, Wuxi City, Jiangsu Province, China
HQ Office Address: No.288, Luouu Road, Luoshe Town, Huishan District, Wuxi City, Jiangsu Province, China
T. +86-510-8357 2002 F. +86-510-8357 0210 E. info@dgm-machinery.com
en.dgm-machinery.com

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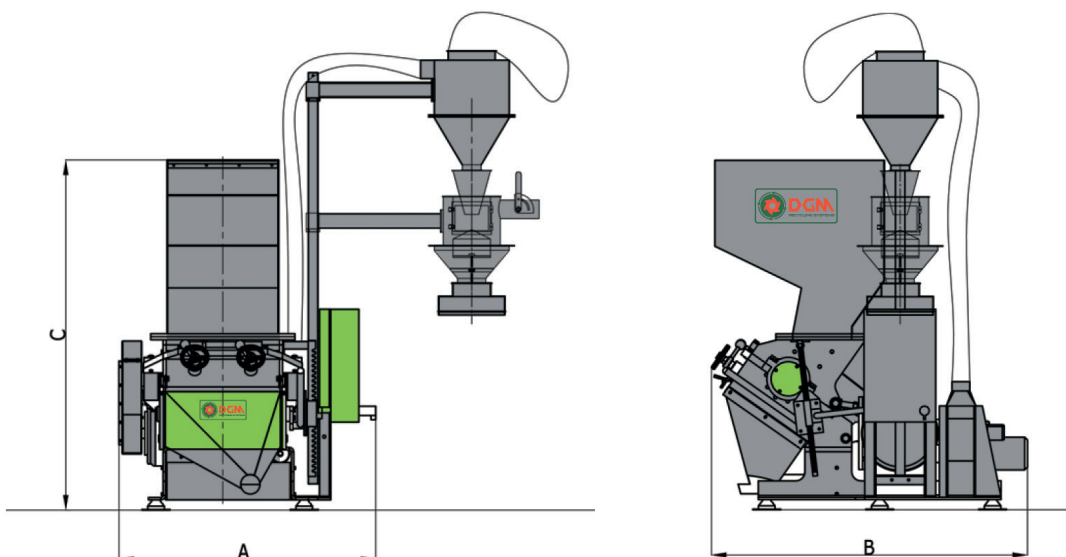
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SPECIFICATION >

ITEM	UNIT	300/600	300/1000	
Rotor Diameter	mm	300	300	
Rotor Width	mm	590	990	
Rotor Knives	pcs	3x2	3x2	
Stator Knives	rows	2	2	
Cutting Chamber Dimensions	mm	315 x 590	315 x 990	
Motor Power (kW)	kW	11 - 18.5	18.5 - 22	
Dimensions	A	mm	1380	1620
	B	mm	1800	1300
	C	mm	1960	1960

ITEM	UNIT	500/700	500/1000	700/700	700/1000	
Rotor Diameter	mm	500	500	700	700	
Rotor Width	mm	700	990	700	990	
Rotor Knives	pcs	3x2	3x2	5x2	5x2	
Stator Knives	rows	2	2	2	2	
Cutting Chamber Dimensions	mm	540 x 700	540 x 900	780 x 700	780 x 990	
Motor Power (kW)	kW	30 - 45	37 - 55	45 - 55	45 - 75	
Dimensions	A	mm	1330	1650	1410	1680
	B	mm	1680	1910	2050	2050
	C	mm	2510	2510	2910	2910



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