

Gravity Separator for Various Applications

GRAVITY SEPARATOR

SGA5A-T/10A-T/15AD-T



SGA10A-T
(with Secondary Sorter)

The Satake Gravity Separator SGA concentrates impurities for more efficient separation by subsequent machines.

It can be used for the various grains such as rice, wheat, rye, barley and others, by selection of appropriate screens.

It separates the material into four groups by density.

- 1) Stones and other heavy impurities.
- 2) Whole clean grain.
- 3) Low density and damaged kernels with light impurities.
- 4) Dust.

FEATURES:

1. Easy maintenance:

The simple construction makes cleaning or replacement of the sieves easy.

2. Compact Design:

The Satake Gravity Separator is a compact and space-saving unit. The vibrating motor eliminates the need for any pulleys, belts, eccentric bearings etc.

GRAVITY SEPARATOR

Specifications

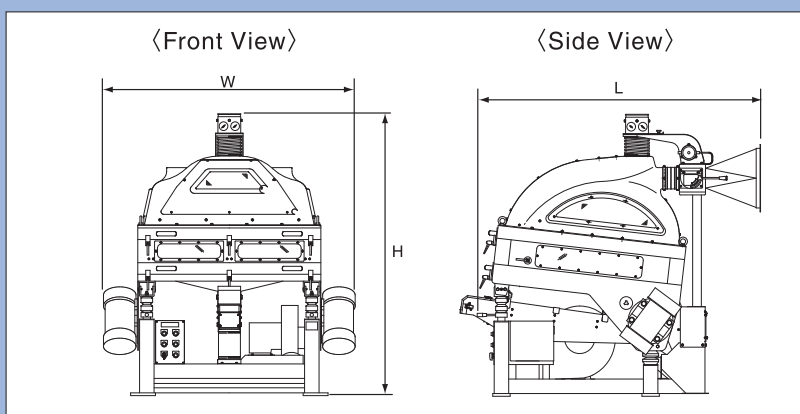
Model		SGA5A-T	SGA10A-T	SGA15AD-T
Type		Open Circuit		
Capacity (t/h)	Paddy	3	7	10
	Brown Rice	5	10	15
	Wheat	6~9	9~18	18~30
Required Motor (kW)		1.49 (0.37×2, 0.75×1)	2.25 (0.75×3)	2.25 (0.75×3)
Air Volume (m ³ /min.)	Paddy, Brown Rice	80~90	120~140	180~210
	Wheat	80~90	120~140	180~210
Static Pressure (kPa)		-0.7	-0.7	-0.7

Material Condition

Material	Moisture Content (%)	Bulk Density (t/m ³)
Paddy	Less than 15	0.50~0.60
Brown Rice	Less than 15	0.75~0.80
Wheat	Less than 15	0.72~0.85

*Capacities are dependent on material characteristics.

Dimensions



Model	W (mm)	L (mm)	H (mm)	Net Weight (kg)
SGA5A-T	1,304	2,074	1,979	500
SGA10A-T(1)(2)	1,814	2,074	1,946	750
SGA15AD-T	2,440	2,074	2,179	1,020

*Dimension with secondary sorting device

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ISO 9001 Certification
(Quality Management Systems)

ISO 14001 Certification
(Environmental Management Systems)

SATAKE CORPORATION has obtained
ISO9001 and ISO14001 certification.
These international standards for management
systems ensure Satake will continue to provide
high quality products and services.