

**disperator<sup>®</sup>**

**Disperator AB, Stockholm, Sweden**

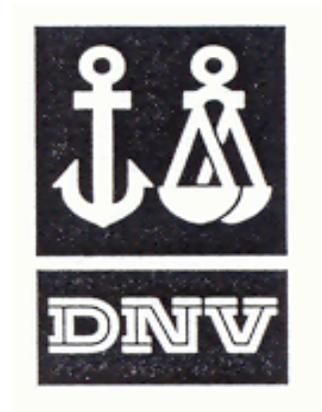




# PRODUCT CERTIFICATES



**Compliance with  
European safety  
standards - CE marked**



**DNV-Certificate of  
approval with  
MARPOL regulations**



**CCS-Certificate  
for China**

## 500A-ATF-K EXCELLENT SERIES



Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The wide range of disposer sizes makes it easy to adjust any installation to fit any workplace in a galley or kitchen. With an ATF-K assembly installation is simplified as no welding is required when mounting on-site. The unit is installed in the sink's existing drain outlet, with

diameter 93mm, using a screw joint reinforcement. A protection lid covering the disposer inlet prevents access to the grinding unit during operation, also serving as a splash back protection and reducing the risk of cutlery falling into the disposer by mistake. The lid is fitted with a safety interlock switch which stops the disposer when lifted.

Standard delivery includes a complete contactor with motor overload protector, a flushing nozzle for installation in sink wall and a complete solenoid valve with line strainer. These items as well as the protection lid with safety interlock switch are to be installed on site. Cold water will automatically flow through the nozzle when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

Food waste disposers in the Disperator Excellent Series have the Declaration of Compliance issued by DNV verifying compliance with applicable sections of MARPOL consolidated edition 2011/2012 ANNEX V for disposal of ground food waste into the open sea.

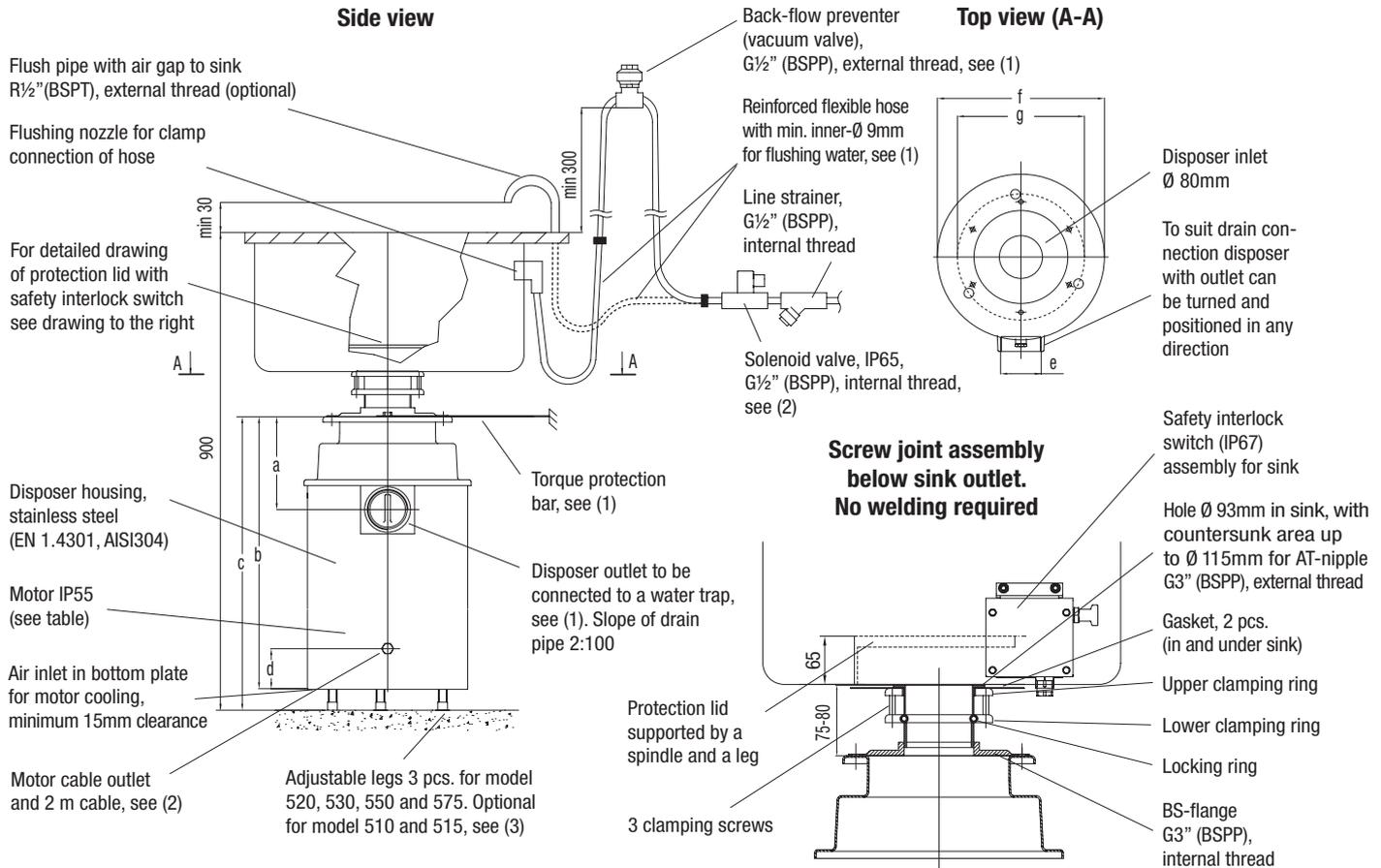
### Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se



Ref: 500A/ATF-K/Prod/En/170919

## 500A-ATF-K EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
Rated current, A to be set on the disposer motor protector for the following voltages:						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.	1-ph. 220-240V, 50/60Hz also available for models 510A and 515A					
Control voltage	For marine installation the same as motor voltage. For land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Gross / net weight, kg	31 / 28	32 / 29	37 / 34	50 / 47	53 / 50	59 / 56
Measurement a	151	151	151	176	176	176
Measurement b	460 see (3)	460 see (3)	583	560 see (4)	560 see (4)	655
Measurement c	See (3)	See (3)	583-763	560-740 see (4)	560-740 see (4)	655-835
Measurement d	40	40	40	75	75	75
Measurement e	G $\frac{2}{4}$ " (BSPP), internal thread			G $\frac{2}{2}$ " (BSPP), internal thread		
Measurement f	253	253	253	310	310	310
Measurement g (legs)	See (3)	See (3)	204	236	236	236

Subject to change without notice.

(1) Installation material needed but not incl. in standard delivery are:

- main electrical safety switch,
- reinforced flexible hose with minimum inner- $\varnothing$  9mm for cold flush water,
- backflow preventer for flush water,
- water trap for connection to disposer outlet,
- torque protection bar for fixing the disposer.

Can be ordered from DISPERATOR.

(2) For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.

(3) 3-ph. unit without legs as standard. Legs available as option and then with same measurement b, c and g as for model 520. 1-ph. unit with legs as standard and with same measurement b, c and g as for model 520.

(4) Short version (b = 525 mm and c = 525-705 mm) and long version (b = 655 mm and c = 655-835 mm) available as option.

(5) User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

## Disperator AB

Mälarvägen 9, SE-141 71 Segeltorp, Sweden  
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## 500A-BS-K EXCELLENT SERIES



### Included in standard delivery



Contactor with motor protector



Flushing nozzle



Cover guard for your sink



Solenoid valve with coil



Jam release wrench for grinding unit



Line strainer

Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The wide range of disposer sizes make it easy to adjust any installation to fit any workplace in a galley or kitchen. The BS assembly is your choice when height is restricted between the sink and floor. A nipple is welded into the sink's existing drain outlet, and a plate bolted

to the disposer is threaded to the nipple. A protection lid covering the disposer inlet prevents access to the grinding unit during operation, also serving as a splash back protection and reducing the risk of cutlery falling into the disposer by mistake. The lid is fitted with a safety interlock switch which stops the disposer when lifted.

Standard delivery includes a complete contactor with motor overload protector, a flushing nozzle for installation in sink wall and a complete solenoid valve with line strainer. These items as well as the protection lid with safety interlock switch are to be installed on site. Cold water will automatically flow through the nozzle when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

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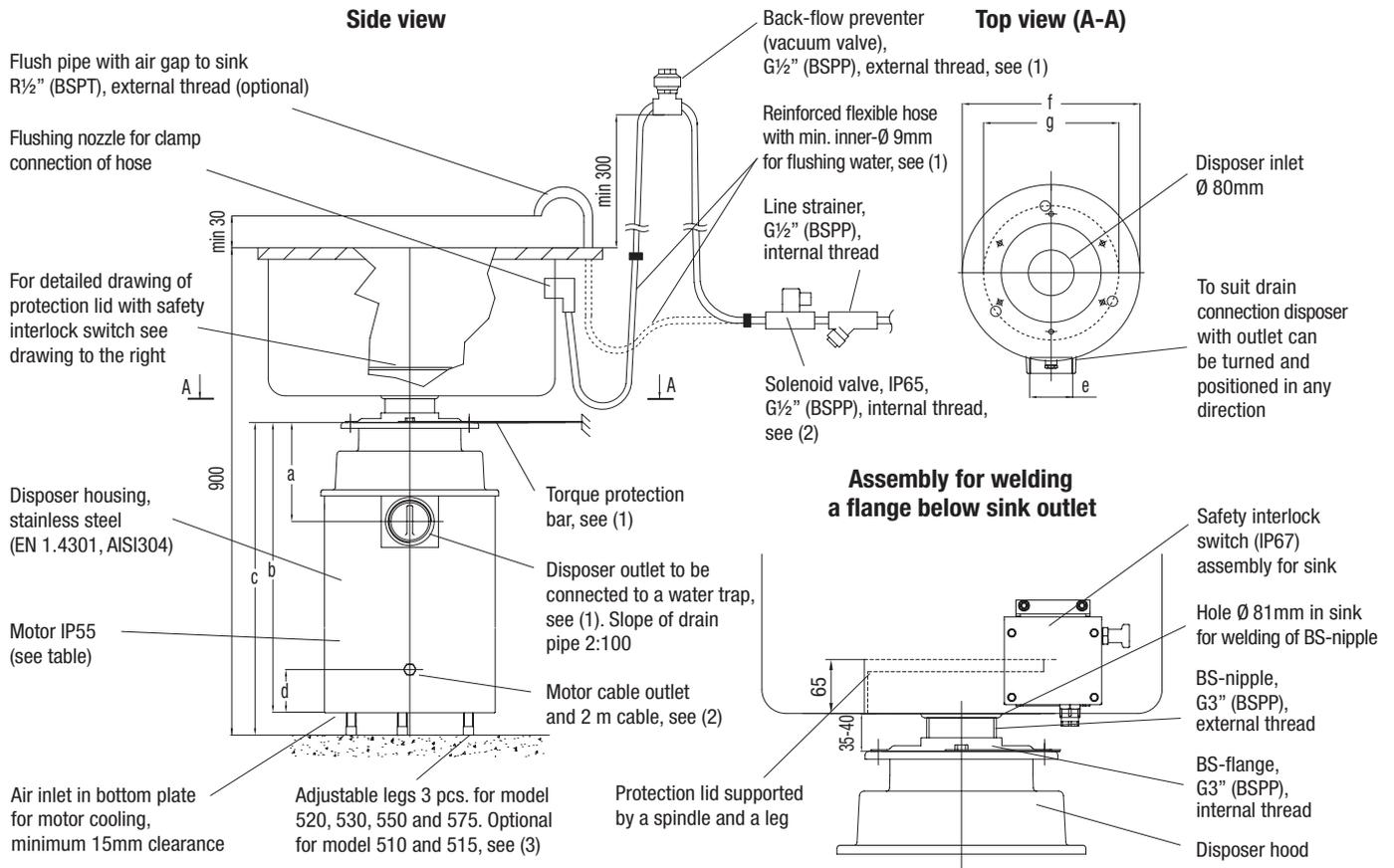
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Ref. 500A/BS-K/En/170919

## 500A-BS-K EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
Rated current, A to be set on the disposer motor protector for the following voltages:						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.	1-ph. 220-240V, 50/60Hz also available for models 510A and 515A					
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)					
Gross / net weight, kg	31 / 28	32 / 29	37 / 33	50 / 47	53 / 50	59 / 56
Measurement a	151	151	151	176	176	176
Measurement b	460 see (3)	460 see (3)	583	560 see (4)	560 see (4)	655
Measurement c	See (3)	See (3)	583-763	560-740 see (4)	560-740 see (4)	655-835
Measurement d	40	40	40	75	75	75
Measurement e	G2" (BSPP), internal thread			G2 1/2" (BSPP), internal thread		
Measurement f	253	253	253	310	310	310
Measurement g (legs)	See (3)	See (3)	204	236	236	236

Subject to change without notice

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet,
  - torque protection bar for fixing the disposer.
 Can be ordered from DISPERATOR.
- For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- 3-ph. unit without legs as standard. Legs available as option and then with same measurement b, c and g as for model 520. 1-ph. unit with legs as standard and with same measurement b, c and g as for model 520.
- Short version (b = 525 mm and c = 525-705 mm) and long version (b = 655 mm and c = 655-835 mm) available as option.
- User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

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## 500A-DRR-K EXCELLENT SERIES

CE



### Included in standard delivery



Contactor with motor protector



Flushing nozzle



Cover guard for your sink



Solenoid valve with coil



Jam release wrench for grinding unit



Line strainer

Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The wide range of disposer sizes make it easy to adjust any installation to fit any workplace in a galley or kitchen. The DRR-K assembly utilizes the full size of the grinder inlet; this will make the grinding of large amounts of food waste or bones more efficient. The disposer assembly ring is welded to the sink outlet

extension, the disposer is then bolted onto the assembly ring. A protection lid covering the disposer inlet prevents access to the grinding unit during operation, also serving as a splash back protection and reduces the risk of cutlery falling into the disposer by mistake. The lid is fitted with a safety interlock switch which stops the disposer when lifted.

Standard delivery includes a complete contactor with motor overload protector, a flushing nozzle for installation in sink wall and a complete solenoid valve with line strainer. These items as well as the protection lid with safety interlock switch are to be installed on site. Cold water will automatically flow through the nozzle when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

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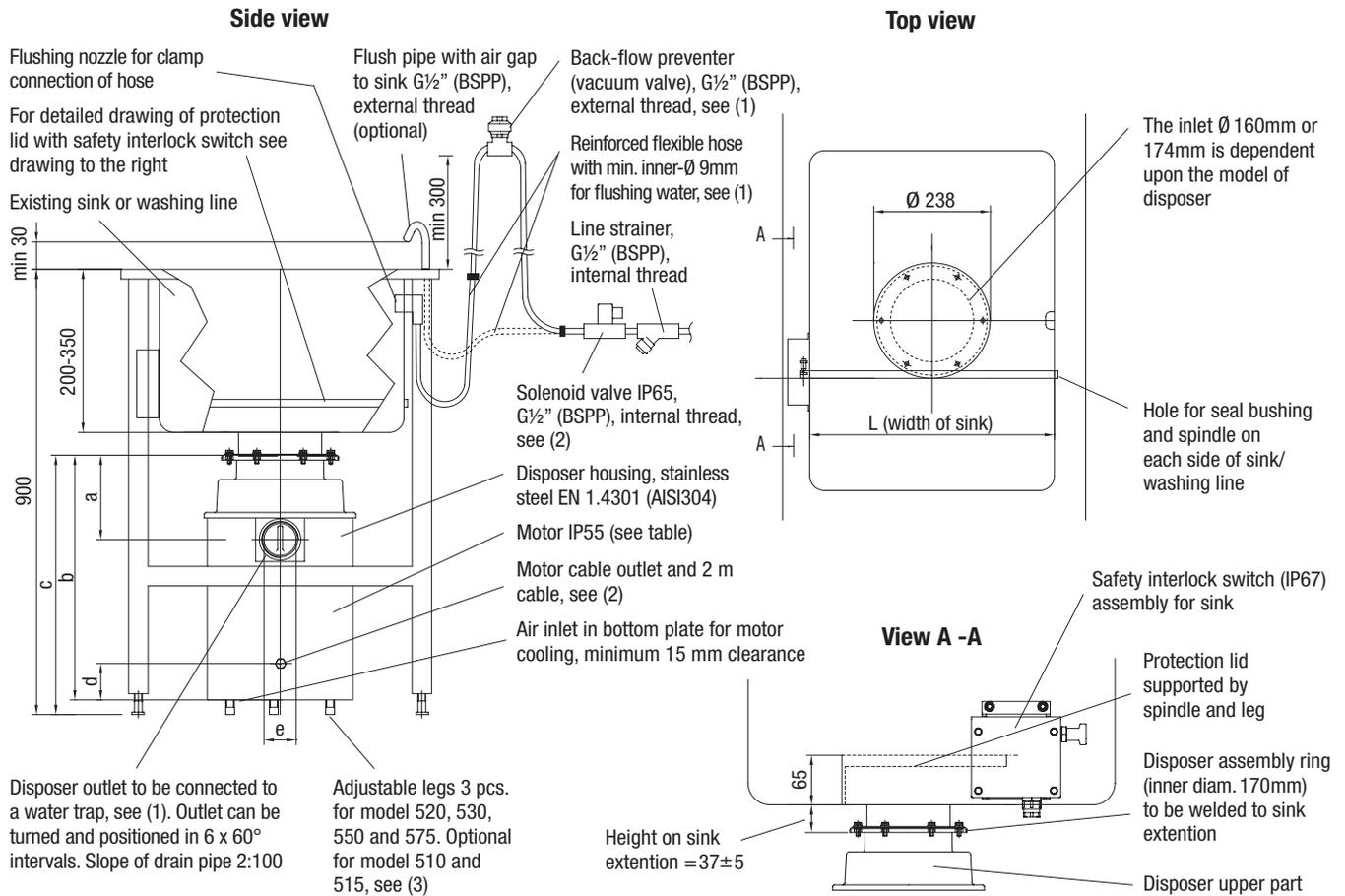
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Ref: 500A/DRR-K/Prod/En/170919

## 500A-DRR-K EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
<i>Rated current, A to be set on the disposer motor protector for the following voltages:</i>						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.	1-ph. 220-240V, 50/60Hz also available for models 510A and 515A					
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Gross / net weight, kg	31/28	32/29	37/33	50/47	53/50	59/56
Measurement a	151	151	151	176	176	176
Measurement b	460 see (3)	460 see (3)	583	560 see (4)	560 see (4)	655
Measurement c	See (3)	See (3)	583-763	560-740 See (4)	560-740 See (4)	655-835
Measurement d	40	40	40	75	75	75
Measurement e	G2" (BSPP), internal thread		G2 1/2" (BSPP), internal thread			

Subject to change without notice.

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet.
 Can be ordered from DISPERATOR.
- For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- 3-ph. unit without legs as standard. Legs available as option and then with same measurement b, c and g as for model 520. 1-ph. unit with legs as standard and with same measurement b, c and g as for model 520.
- Short version (b = 525 mm and c = 525-705 mm) and long version (b = 655 mm and c = 655-835 mm) available as option.
- User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

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Ref: 500A/DRR-K/Prod/En/170919

## 500A-HK EXCELLENT SERIES

CE



Included in standard delivery



Contactor with motor protector



Jam release wrench for grinding unit

Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The wide range of disposer sizes make it easy to adjust any installation to fit any workplace in a galley or kitchen. The HK discharge cone permits continuous

feeding of waste into the disposer and is welded into an existing working bench or table top. The disposer inlet is partly covered by a labyrinth protection guard preventing accidental access to the grinding unit during operation. The guard is fitted with a safety interlock switch which stops the disposer when lifted.

Standard delivery includes a complete contactor with motor overload protector to be installed at site. The cone is delivered with flushing nozzles, a solenoid valve and a line strainer already assembled for easy installation. Cold water will automatically flow through the nozzles when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

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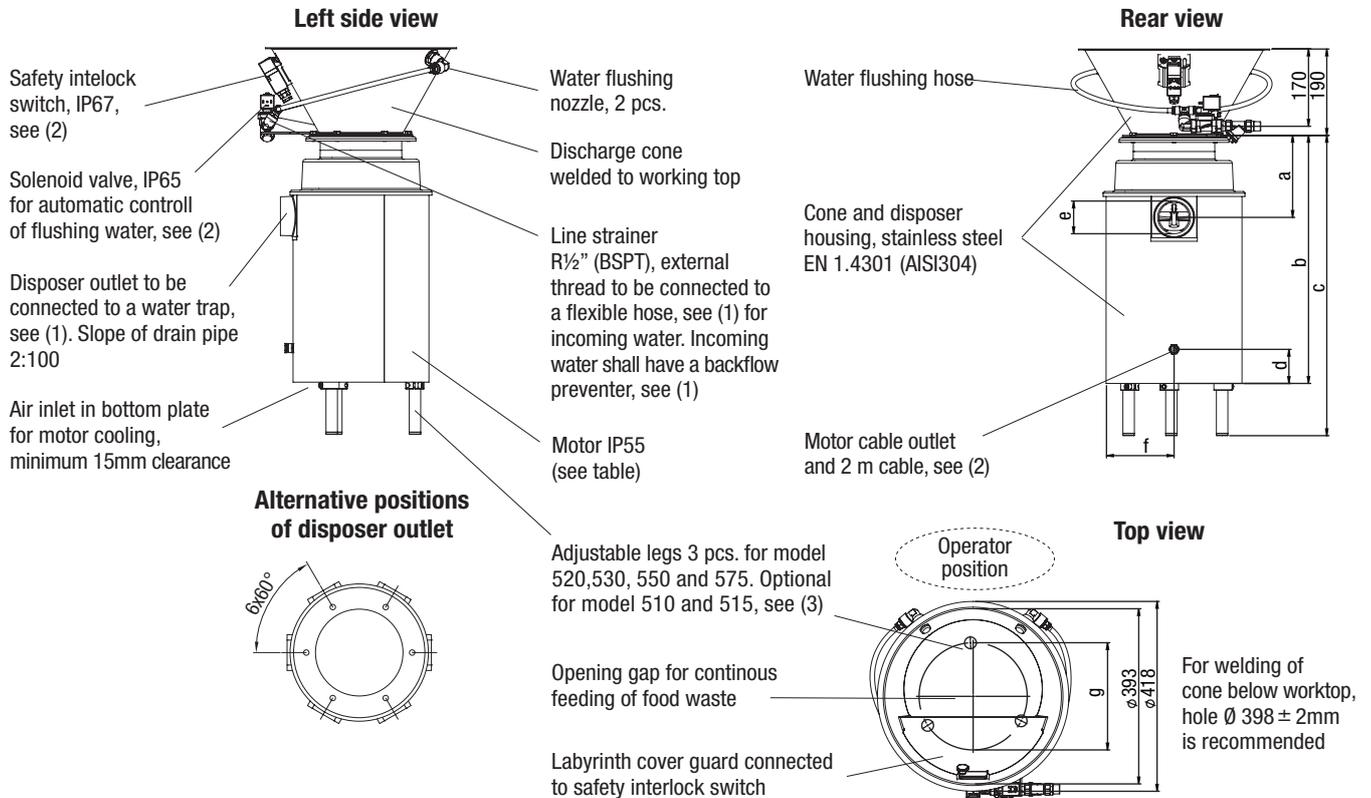
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MADE IN SWEDEN

Ref: 500A/HK/Prod/En/170919

## 500A-HK EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
Rated current, A to be set on the disposer motor protector for the following voltages:						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.	1-ph. 220-240V, 50/60Hz also available for models 510A and 515A					
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Gross / net weight, kg	39 / 32	40 / 33	44 / 38	58 / 51	61 / 54	67 / 60
Measurement a	151	151	151	176	176	176
Measurement b	460 see (3)	460 see (3)	583	560 see (4)	560 see (4)	655
Measurement c	See (3)	See (3)	583-763	560-740 see (4)	560-740 see (4)	655-835
Measurement d	40	40	40	75	75	75
Measurement e	G2" (BSPP), internal thread			G2 1/2" (BSPP), internal thread		
Measurement f	127	127	127	155	155	155
Measurement g (legs)	See (3)	See (3)	204	236	236	236

Subject to change without notice.

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet.
 Can be ordered from DISPERATOR.
- For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- 3-ph. unit without legs as standard. Legs available as option and then with same measurement b, c and g as for model 520. 1-ph. unit with legs as standard and with same measurement b, c and g as for model 520.
- Short version (b = 525 mm and c = 525-705 mm) and long version (b = 655 mm and c = 655-835 mm) available as option.
- User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

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Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
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## 500A-MI EXCELLENT SERIES

CE



Included in standard delivery



Contactor with motor protector



Jam release wrench for grinding unit

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Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The wide range of disposer sizes make it easy to adjust any installation to fit any workplace in a galley or kitchen. The MI discharge cone allows for food waste to be collected and ground in batches when required and is welded into an existing working bench or table top. The disposer inlet is fully covered by a

tight protection lid, preventing access to the grinding unit during operation, providing a splash back protection and reducing the risk of cutlery falling into the disposer by mistake. The lid is fitted with a safety interlock switch which stops the disposer when lifted. Other features of the lid are noise reduction during operation and the possibility to be used as an extra work surface serving its purpose even where space is limited.

Standard delivery includes a complete contactor with motor overload protector to be installed at site. The cone is delivered with flushing nozzles, a solenoid valve and a line strainer already assembled for easy installation. Water will automatically flow through the nozzles when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

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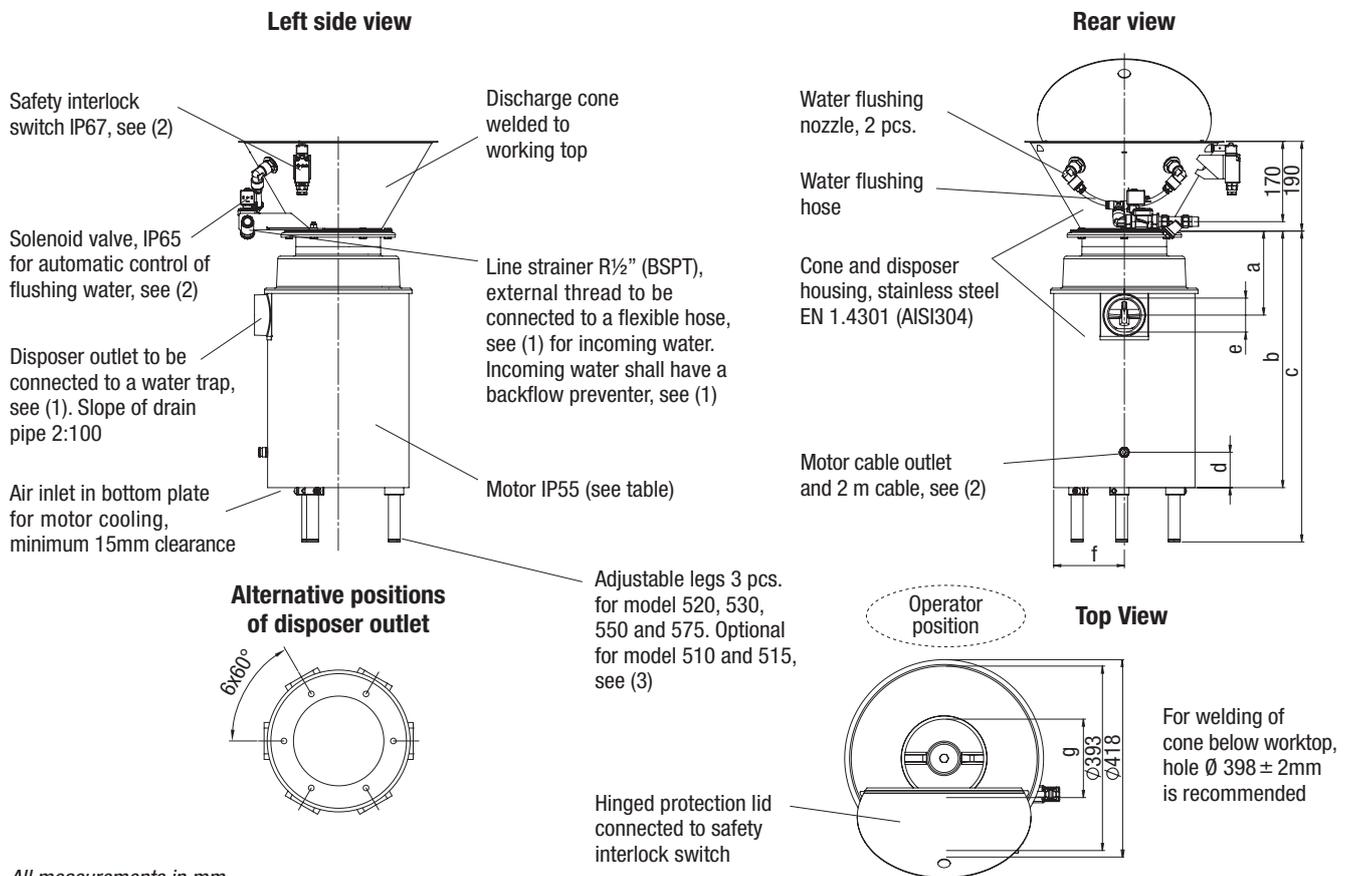
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MADE IN SWEDEN

Ref. 500A/MI/Prod/En/170919

## 500A-MI EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
<i>Rated current, A to be set on the disposer motor protector for the following voltages:</i>						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.						
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Gross / net weight, kg	38 / 32	39 / 33	44 / 37	57 / 51	60 / 54	66 / 60
Measurement a	151	151	151	176	176	176
Measurement b	460 see (3)	460 see (3)	583	560, see (4)	560, see (4)	655
Measurement c	See (3)	See (3)	583-763	560-740 see (4)	560-740 see (4)	655-835
Measurement d	40	40	40	75	75	75
Measurement e	G2" (BSPP), internal thread			G2 1/2" (BSPP), internal thread		
Measurement f	127	127	127	155	155	155
Measurement g (legs)	See (3)	See (3)	204	236	236	236

Subject to change without notice.

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose with minimum inner-Ø 9 mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet.
 Can be ordered from DISPERATOR.
- For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- 3-ph. unit without legs as standard. Legs available as option and then with same measurement b, c and g as for model 520.
- Short version (b = 510 mm and c = 522-593 mm) and long version (b = 640 mm and c = 665-730 mm) available as option.
- User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

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## 500A-MB EXCELLENT SERIES



- Heavy duty free standing disposer
- Designed for batch feed of food waste
- Disposer outlet can be positioned to suit existing drain installation
- Delivered ready for installation to existing water, drain pipe and electricity
- Compliant with IMO MARPOL 2011/2012 ANNEX V for disposal of ground food waste

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Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The MB-cabinet with integrated food waste disposer is installed as a separate unit, eliminating mounting into existing interior, and is delivered ready to be connected to existing flushing water, drain pipe and electricity. If needed, it is possible to adjust the disposer's outlet to better fit the existing piping.

The wide range of disposer sizes makes it easy to adjust any installation to fit any workplace in a galley or kitchen.

The MB cabinet allows for food waste to be collected and ground in batches when required and the inlet is fully covered by a tight protection lid, preventing access to the grinding unit during operation, providing a splash back protection and reducing the risk of cutlery falling into the disposer by mistake. The lid is fitted with a safety interlock switch which stops the disposer when lifted. Other features of the lid are noise reduction during operation and the possibility to be used as an extra work surface serving its purpose even where space is limited.

The cabinet is delivered with a flushing nozzle, solenoid valve and line strainer already assembled for easy installation. Cold water will automatically flow through the nozzle when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

Food waste disposers in the Disperator Excellent Series have the Declaration of Compliance issued by DNV verifying compliance with applicable sections of MARPOL consolidated edition 2011/2012 ANNEX V for disposal of ground food waste into the open sea.

## Disperator AB

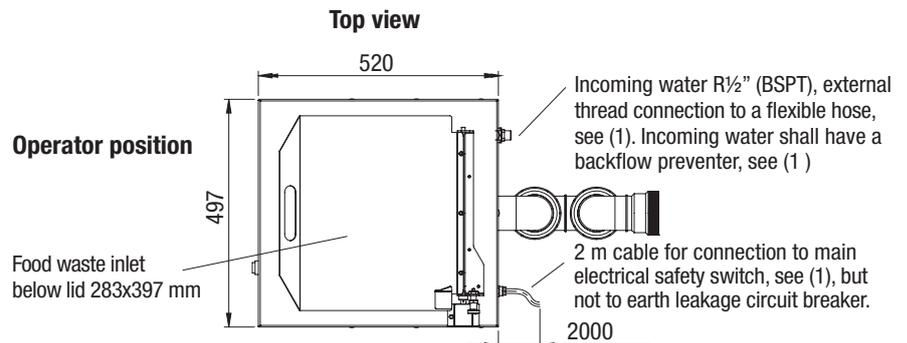
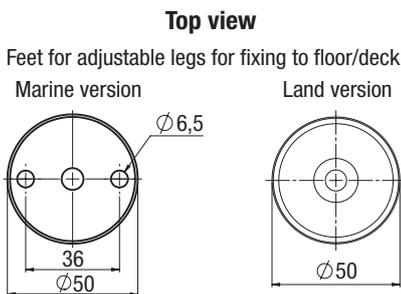
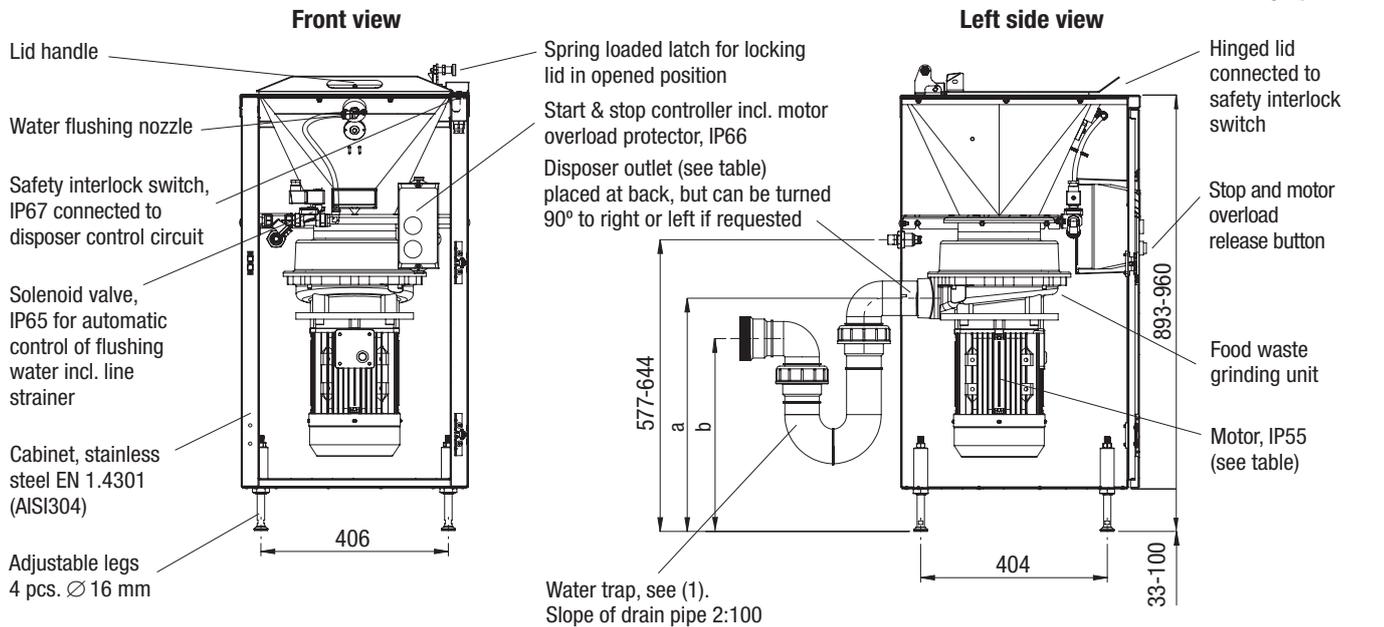
Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
Tel +46 8 724 01 60, Fax +46 8 724 60 70  
info@disperator.se, www.disperator.se



MADE IN SWEDEN

Ref: 500A\_MB\_pb\_eng\_180111

## 500A-MB EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
Rated current, A to be set on the disposer motor protector for the following voltages:						
400V / 3ph. / 50Hz	2,2	2,7	3,7	5,5	9,0	12,0
440V / 3ph. / 50Hz	2,2	2,7	3,7	5,5	7,5	10,0
480V / 3ph. / 60Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.						
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Disposer outlet connection	G2" (BSPP), internal thread			G2 ½" (BSPP), internal thread		
Height of disposer outlet (a)	← a = 485-551 →			← a = 450-516 →		
Ditto for water trap (b)	← b = 397-463 →			← b = 362-428 →		
(if ordered from Disperator)						
Gross / net weight, kg	64 / 55	65 / 56	69 / 60	83 / 74	86 / 77	92 / 83

Subject to change without notice

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose with minimum inner- $\varnothing$  9mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet.
 Can be ordered from DISPERATOR.
- User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

## Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se

## 500A-MC EXCELLENT SERIES



- Heavy duty free standing disposer
- Designed for continuous feeding of food waste
- Disposer outlet can be positioned to suit existing drain installation
- Delivered ready for installation to existing water, drain pipe and electricity
- Compliant with IMO MARPOL 2011-2012 ANNEX V for disposal of ground food waste

Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

Our product range is designed with the user's needs in focus and meets the modern requirements for handling food waste. The quality grinding unit with hardness from specially cast steel alloy, together with the unique sealing design between grinder and motor, ensure years of reliable operation and low maintenance cost. The disposer's life span is extended further by the outer housing of stainless steel EN 1.4301 (AISI 304) and protection class IP55 for electrical components.

The MC-cabinet with integrated food waste disposer is installed as a separate unit, eliminating mounting into existing interior, and is delivered ready to be connected to existing flushing water, drain pipe and electricity. If needed, it is possible to adjust the disposer's outlet to better fit the existing piping.

The wide range of disposer sizes makes it easy to adjust any installation to fit any workplace in a galley or kitchen. The MC cabinet permits continuous feeding of waste into the disposer and the inlet is partly covered by a labyrinth protection guard preventing accidental access to the grinding unit during operation. The guard is fitted with a safety interlock switch which stops the disposer when lifted.

The cabinet is delivered with a flushing nozzle, solenoid valve and line strainer already assembled for easy installation. Cold water will automatically flow through the nozzle when the disposer starts and flush the food waste into the grinder chamber and continue into the sewer system or connected tank.

Food waste disposers in the Disperator Excellent Series have the Declaration of Compliance issued by DNV verifying compliance with applicable sections of MARPOL consolidated edition 2011/2012 ANNEX V for disposal of ground food waste into the open sea.

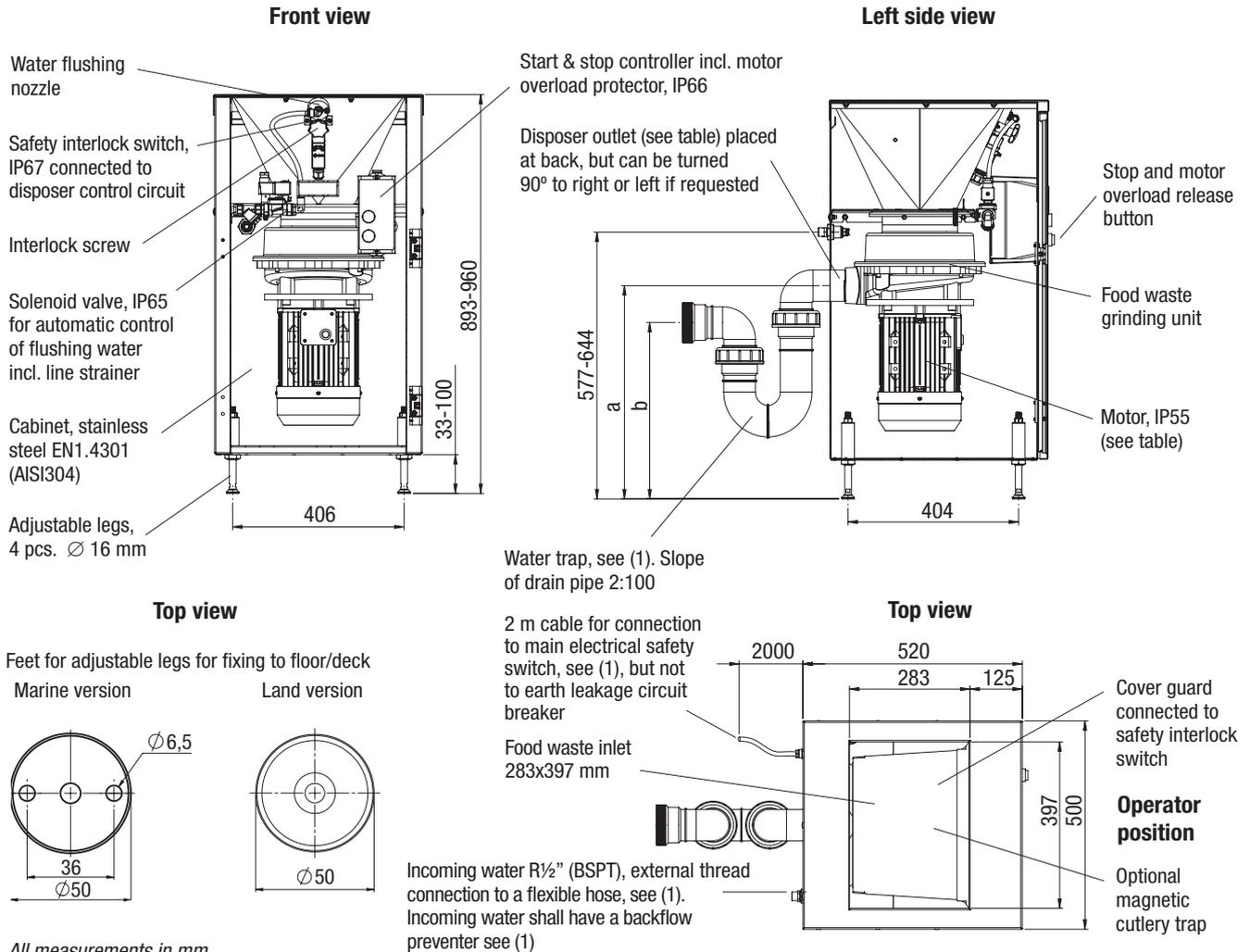
## Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
Tel +46 8 724 01 60, Fax +46 8 724 60 70  
info@disperator.se, www.disperator.se



MADE IN SWEDEN

## 500A-MC EXCELLENT SERIES



All measurements in mm

Technical Specification	510A	515A	520A	530A	550A	575A
Normal capacity, kg/hr	300	400	500	700	850	1000
Electrical power, kW	0,75	1,1	1,5	2,2	4,0	5,5
<i>Rated current, A to be set on the disposer motor protector for the following voltages:</i>						
400 V / 3 ph. / 50 Hz	2,2	2,7	3,7	5,5	9,0	12,0
440 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,5	7,5	10,0
480 V / 3 ph. / 60 Hz	2,2	2,7	3,7	5,0	7,5	10,0
Other 3-ph. voltages available.	1-ph. 220-240V, 50/60Hz also available for models 510A and 515A					
Control voltage	For marine installation the same as motor voltage, for land installation 230V / 50Hz					
Fuse rating, slow	10 A	10 A	10 A	16 A	16 A	16 A
Characteristic for automatic fuse	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)	D (slow)
Drainage outlet	G2" (BSPP), internal thread			G2 1/2" (BSPP), internal thread		
Height of disposer outlet (a)	← a = 485-551 →			← a = 450-516 →		
Ditto for water trap (b)	← b = 397-463 →			← b = 362-428 →		
(if ordered from Disperator)						
Gross / net weight, kg	67 / 58	65 / 56	75 / 67	83 / 74	86 / 77	100 / 92

Subject to change without notice.

- (1) Installation material needed but not incl. in standard delivery are:
- main electrical safety switch,
  - reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
  - backflow preventer for flush water,
  - water trap for connection to disposer outlet.
- Can be ordered from DISPERATOR.
- (2) User manual with installation and service instructions, wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

## Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se

## 500V-ATF EXCELLENT SERIES



Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

The 500V-BASIC is the preferred choice when height is absolute crucial and provides for a greater flexibility at installation site. Having the motor side-mounted and out from under the grinding chamber eliminate any motor damage caused by water leakage. To minimize sound emission the outer housing of stainless steel EN 1.4301 (AISI 304) is sound absorbing.

The quality grinding unit with hardness from specially cast steel alloy and protection class IP55 on electrical components ensure years of reliable operation and low maintenance cost.

With an ATF assembly installation is simplified as no welding is required when mounting on-site. The unit is installed in the sink's existing drain outlet, with

diameter 93mm, using a screw joint reinforcement. In order to comply with the EU Machinery Directive and CE-marking, an ATF-K assembly is required, which also includes a protective cover connected to an interlock switch above the disposer inlet.

In addition to standard grinding unit, the 500V-Series of disposers can also as option be provided with alternative grinding unit with reinforced properties for efficient cutting of long-fiber and even tough food waste, as well as hard food waste in larger quantities which normally are difficult to grind. Moreover, the disposer inner and outer parts can be made of specially alloyed stainless steel, which makes it resistant to flushing with salt seawater during operation.

Food waste disposers in the Disperator Excellent Series have the Declaration of Compliance issued by DNV verifying compliance with applicable sections of MARPOL consolidated edition 2011/2012 ANNEX V for disposal of ground food waste into the open sea.

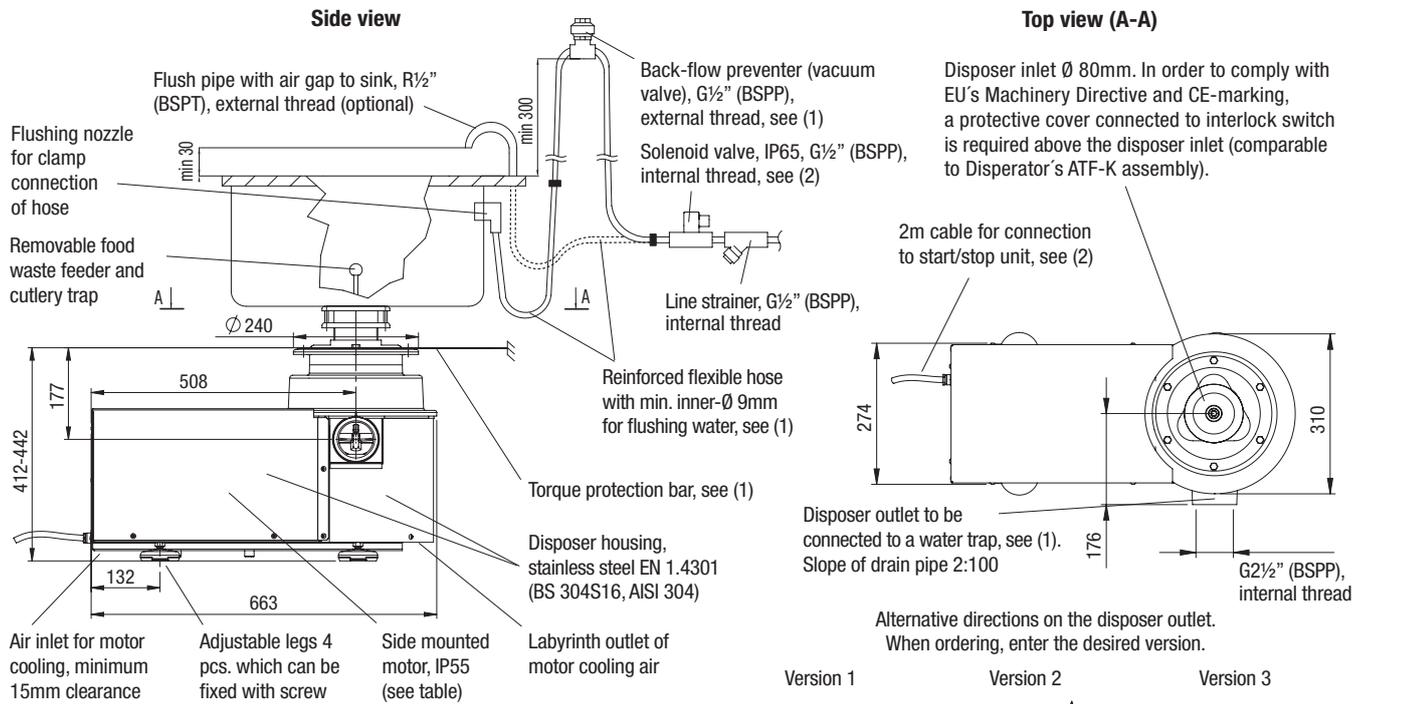
### Disperator AB

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Tel +46 8 724 01 60, Fax +46 8 724 60 70  
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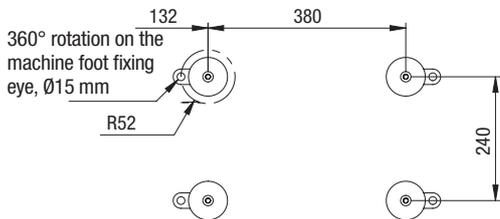


MADE IN SWEDEN

## 500V-ATF EXCELLENT SERIES

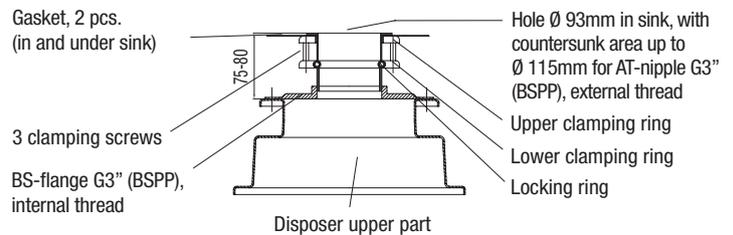


### Positioning of in height adjustable legs, 4pcs.



All measurements in mm

### Screw joint assembly below sink outlet. No welding required



Technical Specification	530V-ATF
Normal capacity, kg/hr	700
Electrical power, kW	2,2
Rated current, A to be set on the disposer motor protector for the following voltages:	
400 V / 3 ph. / 50 Hz	5,0
440 V / 3 ph. / 60 Hz	5,0
Other 3-ph. voltages available.	
Control voltage:	For marine installation the same as motor voltage, for land installation 230V / 50Hz
Fuse rating, slow	16 A
Characteristic for automatic fuse	D (slow)
Gross / net weight, kg	91 / 59
The disposer operates in the temperature range -5°C to +40°C	

Subject to change without notice

- (1) Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch for incoming electricity,
  - reinforced flexible hose, with minimum inner- $\varnothing$  9 mm for cold flush water,
  - backflow preventer for flushing water pipe when flushing nozzle in hopper is used,
  - water trap, G $\frac{1}{2}$ " (BSPP), external thread for connection to disposer outlet,
  - torque protection bar for disposer fixation in wall/bulkhead (if legs cannot be fixed in floor/floorboard). Can be ordered from DISPERATOR.
- (2) For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- (3) User manual with installation and service instructions, electric wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

## Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se

## 500V-BASIC EXCELLENT SERIES



Disperator food waste disposers are used in galleys and kitchens around the world, providing an efficient and immediate removal of food waste whenever it arises. Thereby improving hygiene in the working environment, eliminating bad odors and bacteria formation and minimizing manual handling.

The 500V-BASIC is the preferred choice when height is absolute crucial and provides for a greater flexibility at installation site. Having the motor side-mounted and out from under the grinding chamber eliminate any motor damage caused by water leakage. To minimize sound emission the outer housing of stainless steel EN 1.4301 (AISI 304) is sound absorbing. The quality grinding unit with hardness from specially cast steel alloy and protection class IP55 on electrical components ensure years of reliable operation and low maintenance cost.

In addition to standard grinding unit, the 500V-Series of disposers can also as option be provided with

alternative grinding unit with reinforced properties for efficient cutting of long-fiber and even tough food waste, as well as hard food waste in larger quantities which normally are difficult to grind. Moreover, the disposer inner and outer parts can be made of specially alloyed stainless steel, which makes it resistant to flushing with salt seawater during operation.

For CE-marking an approved assembly from Disperator or other manufacturers is needed above disposer inlet. Our wide range of different mounting assemblies allows installation of the disposer under sink, worktop or washing line and can be ordered as option.

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### Disperator AB

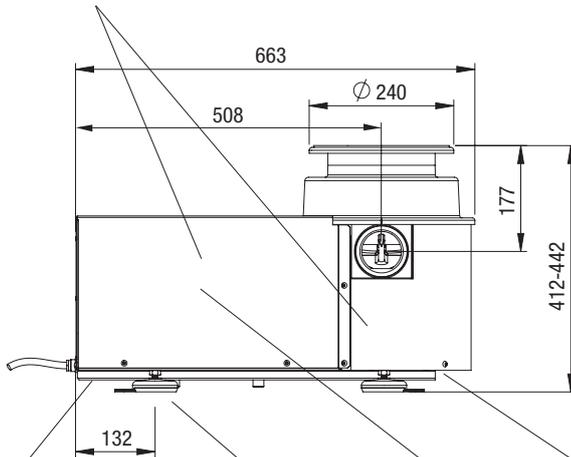
Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
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## 500V-BASIC EXCELLENT SERIES

Side view

Disposer housing, stainless steel, EN 1.4301, (BS 304S16, AISI 304)

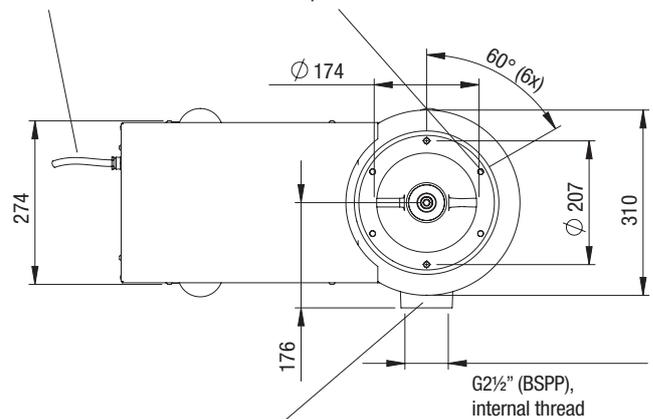


Inlet in bottom plate for motor cooling air, minimum 15 mm clearance  
Adjustable legs, 4 pcs which can be fixed with screws  
Side-mounted motor IP55 (see table below)  
Labyrinth outlet for motor cooling air

Top view

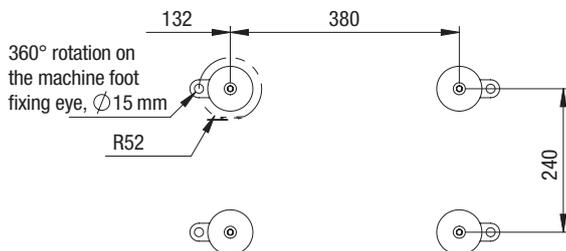
Motor cable outlet and 2 m cable for connection to start/stop unit, see (2)

Fixing holes  $\varnothing$  9 mm, 6 pcs. and gasket for assembly connection. For CE-marking an approved assembly from Disperator or other manufacturer is needed above disposer inlet.

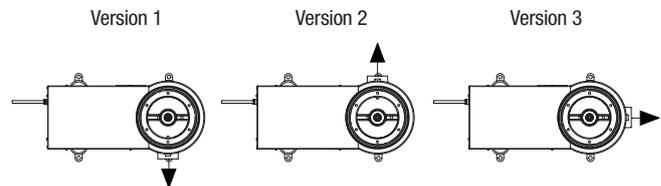


Disposer outlet to be connected to a water trap, see (1). Slope of drain pipe 2:100

Positioning of in height adjustable legs, 4pcs



Alternative directions on the disposer outlet. When ordering, enter the desired version.



All measurements in mm

Technical specification	530V-BASIC
Normal capacity, kg / hr	700
Electrical power, kW	2,2
<i>Rated current, A to be set on the disposer motor protector for the following voltages:</i>	
400 V / 3 ph. / 50 Hz	5,0
440 V / 3 ph. / 60 Hz	5,0
Other 3-ph. voltages available.	
Control voltage	For marine installation the same as motor voltage. For land installation 230V / 50Hz
Fuse rating, slow	16 A
Characteristic for automatic fuse	D (slow)
Gross / net weight, kg	89 / 57
The disposer works in the temperature range -5°C to +40°C	

Subject to change without notice

- Installation material needed but not incl. in standard delivery are:
  - main electrical safety switch,
  - reinforced flexible hose, with minimum inner- $\varnothing$  9 mm for cold flush water,
  - backflow preventer for flushing water pipe when flushing nozzle in hopper is used,
  - water trap, G2 1/2" (BSPP), external thread for connection to disposer outlet,
  - torque protection bar for disposer fixation in wall/bulkhead (if legs cannot be fixed in floor/floorboard).
 Can be ordered from DISPERATOR.
- For connection to start/stop unit including contactor and overload protector (IP66) placed on wall/bulkhead. Start/stop unit to be connected to main electrical safety switch, see (1), but not to earth leakage circuit breaker.
- User manual with installation and service instructions, electric wiring diagram, laminated operating instructions and laminated safety instructions included in delivery.

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Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
Tel +46 8 724 01 60, Fax +46 8 724 60 70  
info@disperator.se, www.disperator.se

## WASTE COMPACTOR MODEL 8075



- Waste volume reduction of 6 to 1
- Compact hold feature maximize waste volume reduction
- Standard dimensions for under work top installation or free standing
- Waste container has drop down door for easy waste bag removal
- Optional stainless steel cover for marine installation

The Model 8075 compactor, designed to be installed either as a free standing unit or a built-in unit under work top, is the perfect choice for small kitchens, galleys and bars where space is limited.

Quickly and easily, bulky packing waste such as boxes, cartons, tins and plastic cans, are compressed up to 1/6 of its original volume – the equivalent of 300 liter of waste into one 50 liter bag. To maximize the waste volume reduction, a compact hold feature makes it possible to compress waste for several hours until it holds its new compacted shape.

The waste container as well as the compacting plate can be removed for easy cleaning. Exchangeable odor disc is available for odor control.

Safety features include a removable key in a lock/start switch to prevent unauthorized usage and an open door cut-off switch preventing operation when the door is open.

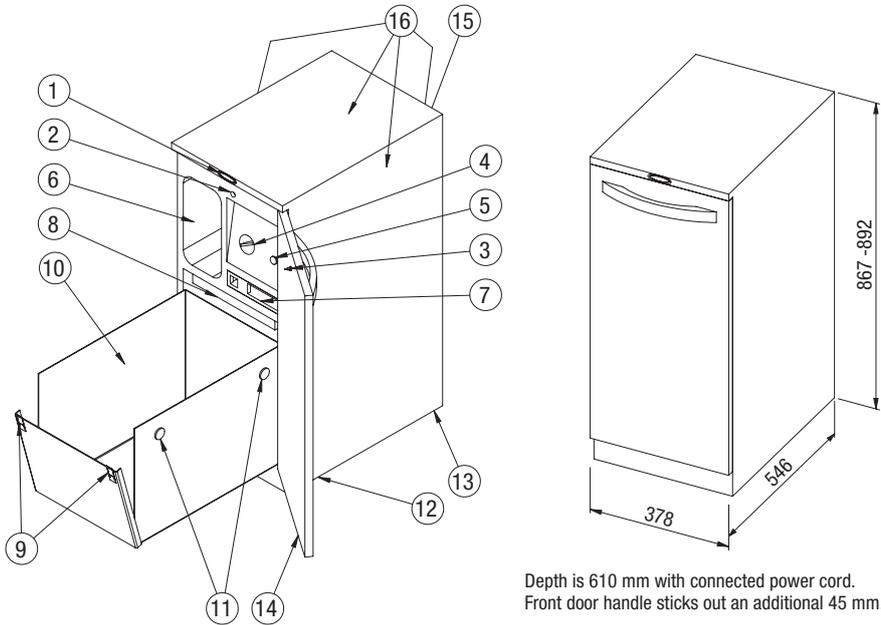
Food waste and glass are not recommended for Compactor Model 8075. DISPERATOR food waste disposers and glass crushers are better suited for these purposes.

Further details are specified overleaf.

### Disperator AB

Mälarvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se

## WASTE COMPACTOR MODEL 8075

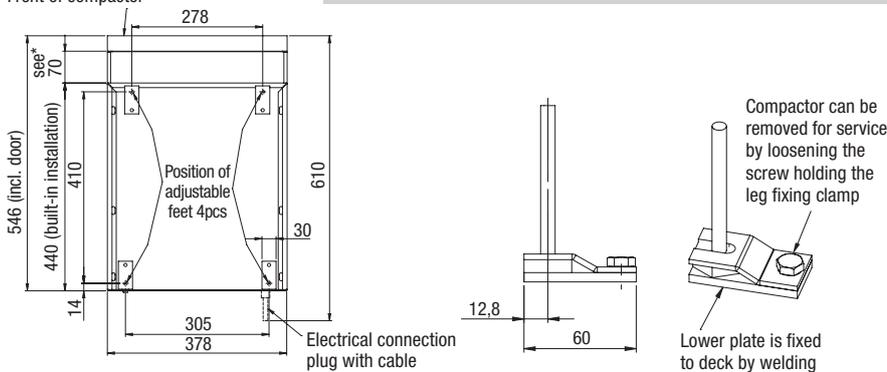


### Features

- 1 Start button with compaction ram status led (green for ready to receive more waste, red for compactor in operation or ram in hold position, see 5 below)
- 2 Door interlock security switch (prevents operation when door is open)
- 3 Actuator for door interlock security switch
- 4 Lock switch with removable key for preventing unauthorized operation
- 5 Compact mode switch (normal resp. hold mode). In hold mode the compaction plate remain in down position, and compress waste for several hours until it holds its new compacted shape
- 6 Storage box for replacement waste bags (compactor delivered with 3 bags)
- 7 Box for replaceable odor disc (compactor delivered with 1 disc for 6 months operation)
- 8 Ram with releasable compaction plate for easy cleaning
- 9 Latches, 2pcs. for dropping waste container front door on floor eliminating lifting of waste bag
- 10 Full extension ball bearing slided waste container (removable for easy cleaning)
- 11 Buttons (2pcs. on each container side) for attaching waste bag with fixing holes
- 12 Levelling legs, 2pcs. on compactor front giving adjustable height of 25 mm
- 13 Levelling rollers, 2pcs. on compactor rear giving adjustable height of 25 mm
- 14a) Door with handle in stainless steel. Delivered with door hinged on right side as standard (see picture). If required door can be changed on site for left side hinging
- 14b) Magnetic door gasket provides tight seal for quiet cycling and odor control
- 15 Cable with plug, 1.8 m for connection to electrical socket on compactor back panel
- 16 Black epoxy housing as standard, stainless steel as option

Front of compactor

Plate for fixing compactor feet for marin installation in deck as option.



\*) Additional 70 mm for optional Toe Kick Support used for free standing installation

All measurements in mm

Technical specification	Model 8075-E	Model 8075-L
Voltage	1-phase 220-240V / 50, 60Hz	1-phase 115-120V / 60Hz
Fuse rating	10A	15A
Continual compaction force	1360kg (13.300N)	
Compaction ratio	6 to 1	
Rated power	0,75hp = 570W	
Rated current	3A	5A
Volume of compacted waste	0,044 m <sup>3</sup>	
Inside dimension of waste container, D x W x H	440 x 290 x 340 mm	
Machine weight	71,2 kg	
Gross weight (incl pallet)	84 kg	
Shipping volume	0,5 m <sup>3</sup>	

### Optional accessories

- \* Toe kick support (required for free standing installations)
- \* Compactor bags, set of 200pcs (see item 6)
- \* Odor control disk (see item 7)
- \* Fixing compactor feet to deck, 4 pcs
- \* Stainless steel housing, measurements 549x381x873-898 mm (D x W x H) (see item 16)

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Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
 Tel +46 8 724 01 60, Fax +46 8 724 60 70  
 info@disperator.se, www.disperator.se

Ref: 8075/Prod/Eng/140301

**500-EXCELLENT SERIES MODEL GKF 550**

**Volume reduction of  
glass bottles by 80 %**

A Disperator glass crusher makes light work of handling empty bottles, jars and other glass containers by grinding them to small particles the size of sand. Most kitchens, bars and galleys have problems with the volume of waste.

Collection and transport of waste glass is time consuming because of the large volume. And floor space, which should be put to better use, is occupied with a mountain of empty bottles. These problems are alleviated when a Disperator glass crusher is used.

Model GKF 550 is easy to install in a kitchen, galley or in a garbage room.

Alternatively the glass crusher can be installed on a lower floor level, near to the point of waste collection, and fed with empty bottles by a tube from the bar, kitchen or galley above.

After being ground into small grains of glass with no sharp edges, an empty bottle has only 20% of its original volume which means less storage space, less frequent collection and lower transport costs.

Disperator glass crusher GKF 550 is designed to give long-life in environments where reliability and efficiency are essential.

Further details are specified overleaf.

**Disperator AB**

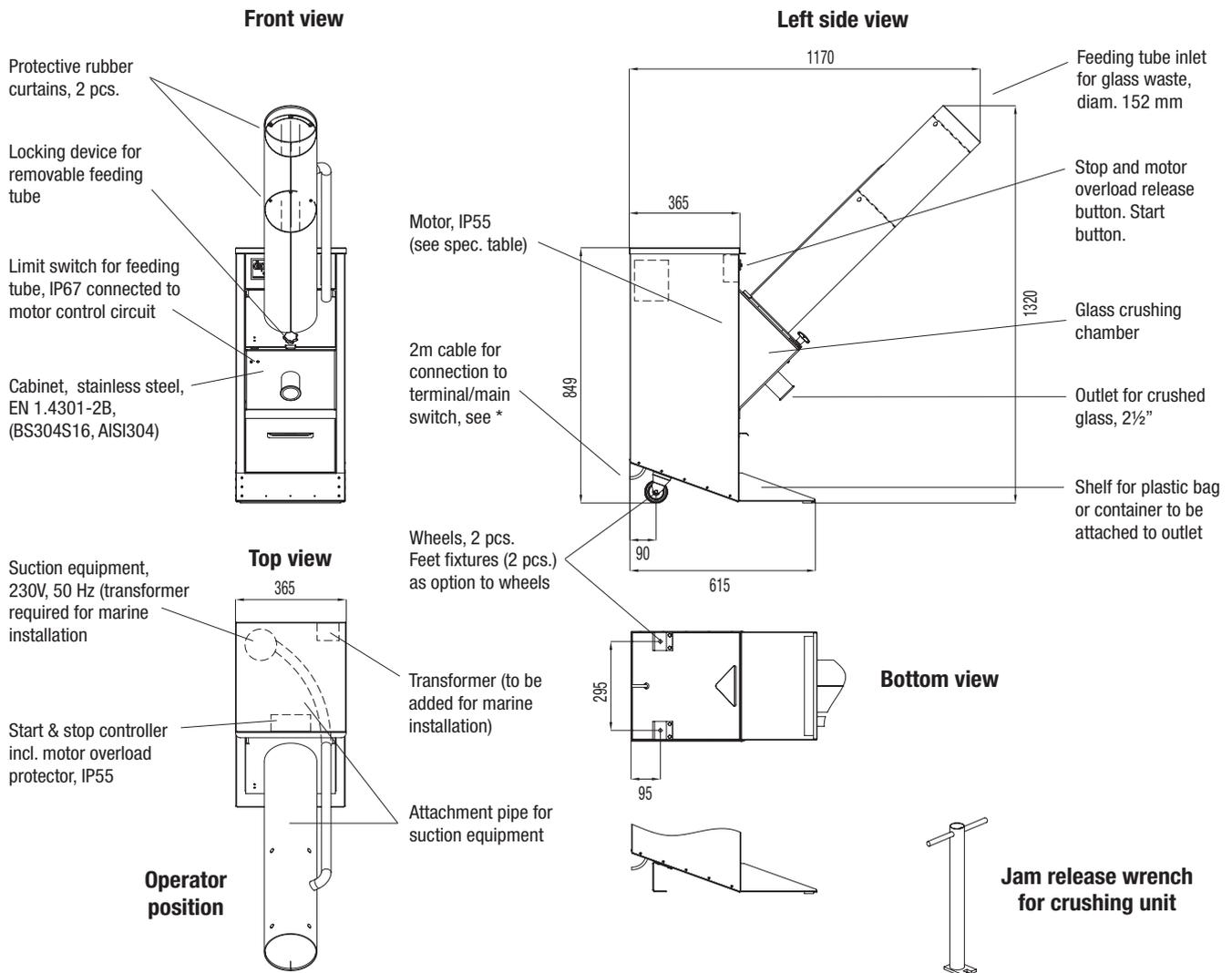
Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
Tel +46 8 724 01 60, Fax +46 8 724 60 70  
info@disperator.se, www.disperator.se



MADE IN SWEDEN

Ref: GKF/Prod/Eng/100225

## 500-EXCELLENT SERIES MODEL GKF 550



All measurements in mm

Technical Specification	GKF 550
Normal capacity	600-1200 bottles per hour depending on bottle size
Electrical power, kW	1,25
<b>Rated current, A for:</b>	
230V / 3ph / 50Hz	6,4
400V / 3ph / 50Hz	3,7
415V / 3ph / 50Hz	3,7
440V / 3ph / 60Hz	3,2
Other voltages available	
Control voltage	Marine installation the same as motor voltage. Land installation 230V / 50Hz
Fuse rating, slow	16 A
Gross / net weight, kg	138 / 102
Transport volume, m <sup>3</sup>	0,9

\* Installation material needed but not incl. in standard delivery are terminal or main switch. Can be ordered from DISPERATOR.

\*\* Installation, operation and service instructions are together with this product leaflet included in delivery.

### Disperator AB

Mälurvägen 9, SE-141 71 Segeltorp, Sweden  
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Ref: GKF/Prod/Eng/100225