

500RS-BASIC EXCELLENT SERIES



- Robust disposer with inner and outer parts made of specially alloyed stainless steel, which when grinding food waste makes it resistant to flushing with salty sea water
- The disposer is particularly suitable at sea for the cases when you have limited access to fresh water, or when the disposer needs to be placed outside on deck

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 500RS-Series with internal and external parts of specially alloyed stainless steel, is a further development of the Disperator's marine standard disposers in the 500A-Series. As these disposers when grinding food waste can be flushed with salty sea water, they are particularly suitable for use at sea in case you want to save on fresh water, or when the disposer needs to be placed outside on deck. 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. Important for the recognized long service life of Disperator's disposers is also the protection rating IP55 or higher on all electrical components.

A set of different mounting assemblies allows installation of disposer under sinks and washing lines, into table tops and working benches or freestanding as separate units. In addition, depending on the type of workplace in the galley, it is possible to choose between continuous or batch feeding of food waste into the disposer. Data sheets describing Disperator mounting assemblies above disposer inlets necessary to comply with EU Machine Directive 2006/42 / EC and CE-marking will be sent on request.

Standard delivery includes a complete contactor with motor overload protector, and a complete solenoid valve with line strainer, to be installed at site. Cold water will automatically flow through a nozzle when the disposer starts and flush the food waste into the disposer and after grinding down the drain.

Food waste disposers in the Disperator Excellent Series have the Declaration of Compliance issued by DNV verifying compliance with applicable sections of IMO MARPOL consolidated edition 2017 ANNEX V for disposal of ground food waste into the open sea.

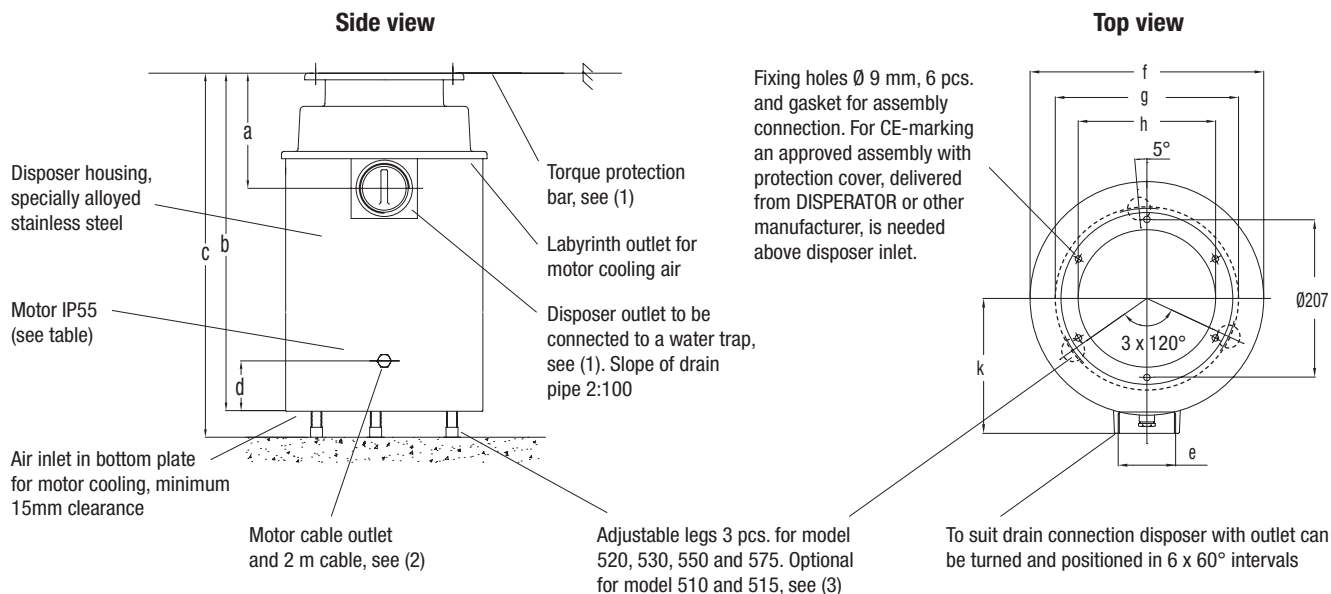
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Ref: 500RS_BAS_pb_eng_191020

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All measurements in mm

Technical Specification	510RS	515RS	520RS	530RS	550RS	575RS
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	33 / 29	34 / 30	38 / 35	54 / 50	57 / 53	63 / 59
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 ½" (BSPP), internal thread		
Measurement f	253	253	253	310	310	310
Measurement g (leg)	See (3)	See (3)	204	236	236	236
Measurement h (inlet)	160	160	160	174	174	174
Measurement k	150	150	150	176	176	176

Subject to change without notice

- (1) Installation material needed but not incl. in standard delivery are:
 - main electrical safety switch placed on bulkhead for incoming electricity,
 - hose with protective steel-covered stocking (minimum inner-Ø 9mm) for cold flush water,
 - back siphonage valve for flush water,
 - water trap for connection to disposer outlet,
 - torque protection bar for fixating the disposer,
 - silencing inlet seal (optional).
 Can be ordered from DISPERATOR.
- (2) For connection to start/stop unit including contactor and overload protector (IP66) placed on 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, laminated operating instructions and laminated safety instructions as well as electrical documentation are included in delivery.

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