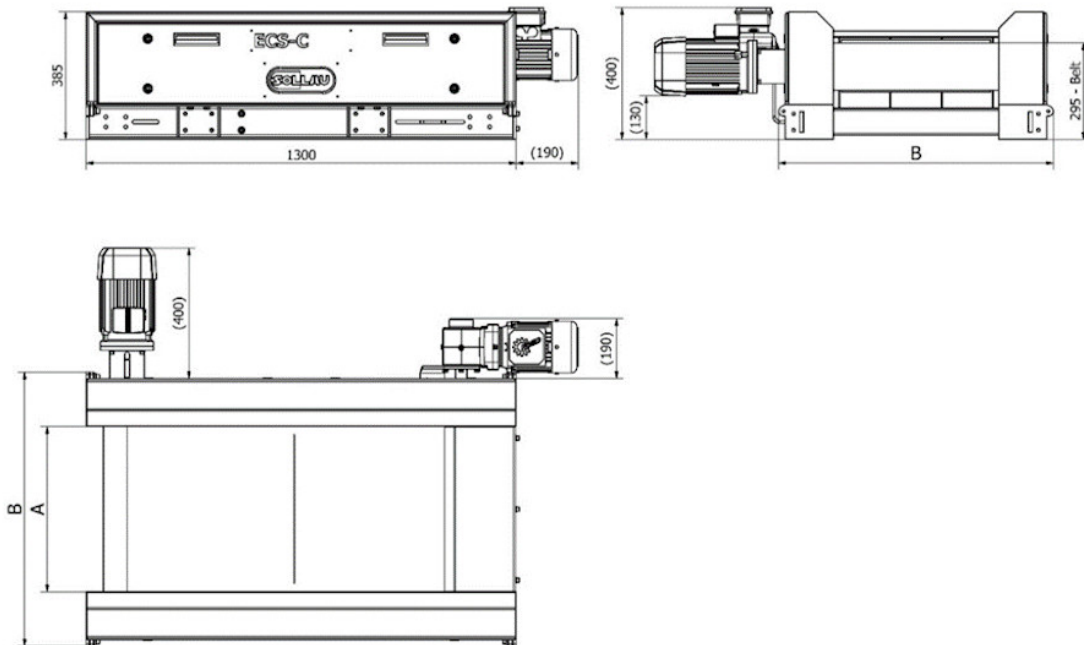


Datasheet ECS-C 1000 RAM



| Model | Belt width (mm) | Weight (kg) | A (mm) | B (mm) |
|----------------|-----------------|-------------|--------|--------|
| ECS-C 500 RAM | 500 | 400 | 500 | 830 |
| ECS-C 600 RAM | 600 | 450 | 600 | 930 |
| ECS-C 800 RAM | 800 | 550 | 800 | 1130 |
| ECS-C 1000 RAM | 1000 | 680 | 1000 | 1330 |
| ECS-C 1200 RAM | 1200 | 780 | 1200 | 1530 |
| ECS-C 1500 RAM | 1500 | 930 | 1500 | 1830 |
| ECS-C 1800 RAM | 1800 | 1030 | 1800 | 2130 |
| ECS-C 2000 RAM | 2000 | 1180 | 2000 | 2330 |

| Parameter name | Value |
|--------------------------------------------------------------------------------------|----------------------------------------|
| Description: | Eddy current separator |
| Separator placement: | connection to the conveyor belt system |
| Application (= the material that the application of this separator is suitable for): | bulk material |
| Material flow direction): | horizontal |
| Built-in standard magnet type: | neodymium magnet |
| Max. magnetic induction (G) on the surface of tube (+/- 10 %): | 3400 |

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|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight of the separator (kg): | 680 |
| Separator is suitable also even for the materials of poor bulk properties: | yes |
| Minimum size of the particles that can be captured by the separator (mm): | 25 |
| Maximum size of the particles that can be captured by the separator (mm): | 300 mm |
| Max. operating temperature (°C): | 60°C |
| Min. surrounding ambient temperature (°C): | -25°C (optional variant with control panel: up to ambient temperature min. 0°C) |
| Max. surrounding ambient temperature (°C): | 45 |
| Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive): | 1 |
| Separation of non-ferrous metals: | yes |
| Cleaning of the separator: | fully automatic cleaning, it is not necessary to interrupt the material flow during the cleaning |
| Outer diameter of the non-metallic rotor cover : | 160 mm |
| Outer surface treatment of the separator: | painted (RAL colour tone) |
| Magnetic system: | concentric magnetic rotor |
| Motor brand: | Nord |
| Motor input (magnetic rotor = Eddy current) | 1,5 kW, 230/400 V AC, 50 Hz |
| Motor input (conveyor belt drive): | 0,75 kW, 230/400 V AC, 50 Hz |
| Eddy current magnetic rotor speed: | 3 000 rpm |
| Degree of motor protection (against dust and water): | IP55 |
| Speed of the separator belt (m/s): | 0-2 m/s |
| Type of the separator belt: | PVC belt P25-14A (green) |
| Height of the standard cleats (mm): | 10 mm |
| Bearings: | SNR |
| Available lubrication methods for the bearings: | manual |
| Other standard parameters: | automatic centering of the conveyor belt |
| Control panel (optional variant surcharge): | Color touch screen SIEMENS, external electrical cable 5m long with plug (cable length between ECS-C and control panel: 5m), frequency converter, switchboard, IP55, main switch, operating temperature: 0-30°C, device status indicator |

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| Control panel user menu: | Comfortable control of rotor speed, conveyor belt speed and direction of the rotation, password setting, START/STOP buttons, error reporting on the display |
| Other additionally paid options: | two potentiometers to set up the speed of the belt as well as the speed of the magnetic rotor including reversing of the rotation direction with frequency convertors placed at the motors, control box with frequency convertors, control panel with LCD display SIEMENS, vibrating feeder, neodymium drum with a diameter of 300 mm (for separation of ferromagnetic particles), cleaning brush for the conveyor belt, illumination of the sorting module, sophisticated material sorting (in two axes), conveyor belt with standard or V-shaped cleats |
| Max. operation time (hours/day): | 24 |
| Max. production time for a standard version (if not available in stock) (weeks): | 8-12 |
| Standard packing: | pallet + stretch wrap |
| Other packing modes (surcharged options): | maritime packing according to clients needs |
| Warranty (months): | 12 |