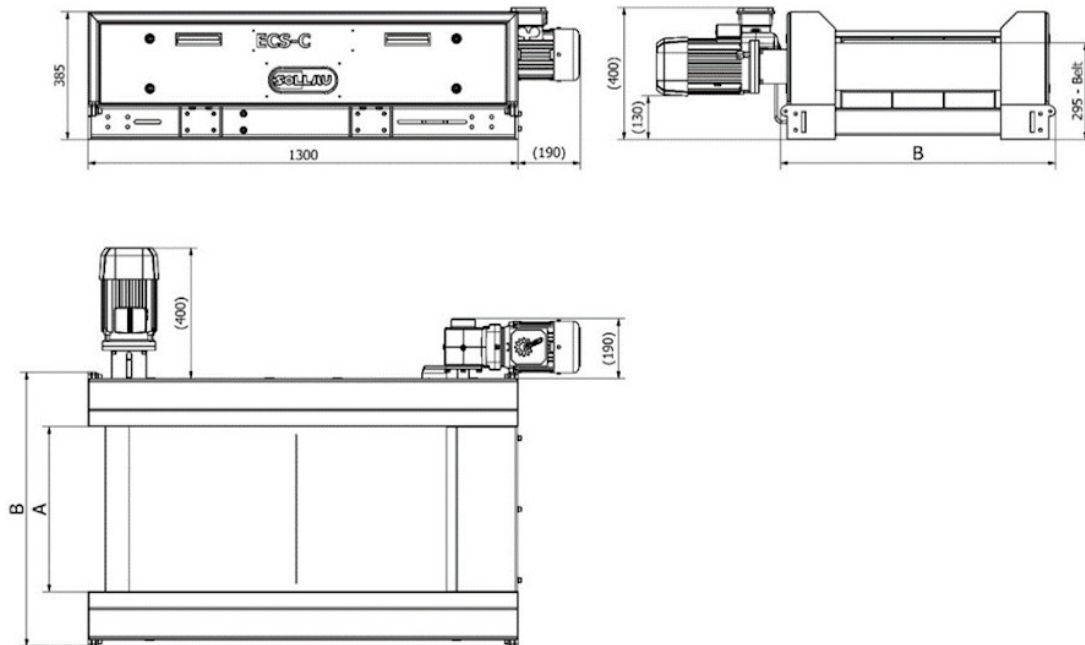


Datasheet ECS-C 1800 RAM



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

Weight of the separator (kg):	1080
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

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