

PRODUCT CARD - template

Manufacturer:

RM International Group Sp. z o. o.**Wudzyn, ul. Lipowa 2, 86-022 Dobrcz****Name, model:** Modern cable reel for self-propelled devices**Serial number:** CRV-BCI10-200mb-22W2-RMI055_BCI21015**Type:** ZK-CRV-M1/36Ø**1. DEVICE SPECIFICATIONS AND FUNCTIONS****1.1. Device description**

- A cable reel is a device used to automatically reel and unwind the power cable for machines and other moving devices that require electrical power.
- The reel continuously winds or unwinds the cable onto the drum, which allows the self-propelled machine to move within a specific work area without the need for third parties to wind and unwind the power cable.
- This prevents the risk of damage to the cable by a moving machine.
- The cable reel is mounted on the structure of the machine it powers.
- The reel is a device that works automatically and does not require an additional operator.
- The cable tension force is automatically regulated so that there is no risk of the cable breaking.
- Additionally, the presented cable reel automatically switches to the "waiting" mode after about 15 minutes of inactivity to increase energy savings. The reel will restart immediately after the signal about the movement of the powered device is given.

1.2. Technical parameters**Maximum electrical power demand – approx. 4.1kW (C20 protection – 3f+PE)**

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|-----------------------|-------|
| • Drive | 3,0kW |
| • Cabinet heating | 250W |
| • Collector heating | 75W |
| • Engine heating | 36W |
| • Cabinet cooling | 30W |
| • Drive motor cooling | 100W |
| • Brake | 60W |
| • Service socket | 500W |

- Steering elements 60W

Dimensions and weight of the reel

- Cable wheel diameter 2750mm
- Weight – about 795 kg

2. INFORMATION ABOUT THE RECYCLING PROCESS

The described project has a positive impact on the implementation of the principle of sustainable development, as referred to in Article 8 of Regulation (EU) No 1303/2013 of the European Parliament and of the Council (positive impact on the environment)

The positive impact on the environment of the described project should be understood, first of all, through the aspect of the possibility of partial recycling of the project product - a modern cable reel, after the end of its life cycle. Analysis of the construction of a typical reel showed that the following elements will be subject to profitable recycling processes:

Lp.	Component type	Type of material	Weight/kg
1.	Cable reel elements	Steel	179,00
2.	Construction elements	Steel	119,00
3.	Mounting elements	Steel	195,20
4.	Gearbox	Cast iron, steel, non-ferrous metals, oils	173,00
5.	Electrical equipment	Steel, plastic, non-ferrous metals	60,00
6.	Cables	Copper, plastic	25,00
7.	Cable covers	Plastic	5,00
8.	Plugs, fasteners	Plastic	2,00
<p>The total weight of 100% recyclable components is 758.20 kg, which, with a total device weight of 795.20 kg, constitutes % of the weight of the entire device.</p>			

3. Information on packaging and recycling can be downloaded from the manufacturer's website www.rm-intgroup.com.

Wudzyn, 22.02.2023r.

Place and date of issue

Witold Rutkowski

*Name, surname of authorized person
position, signature*