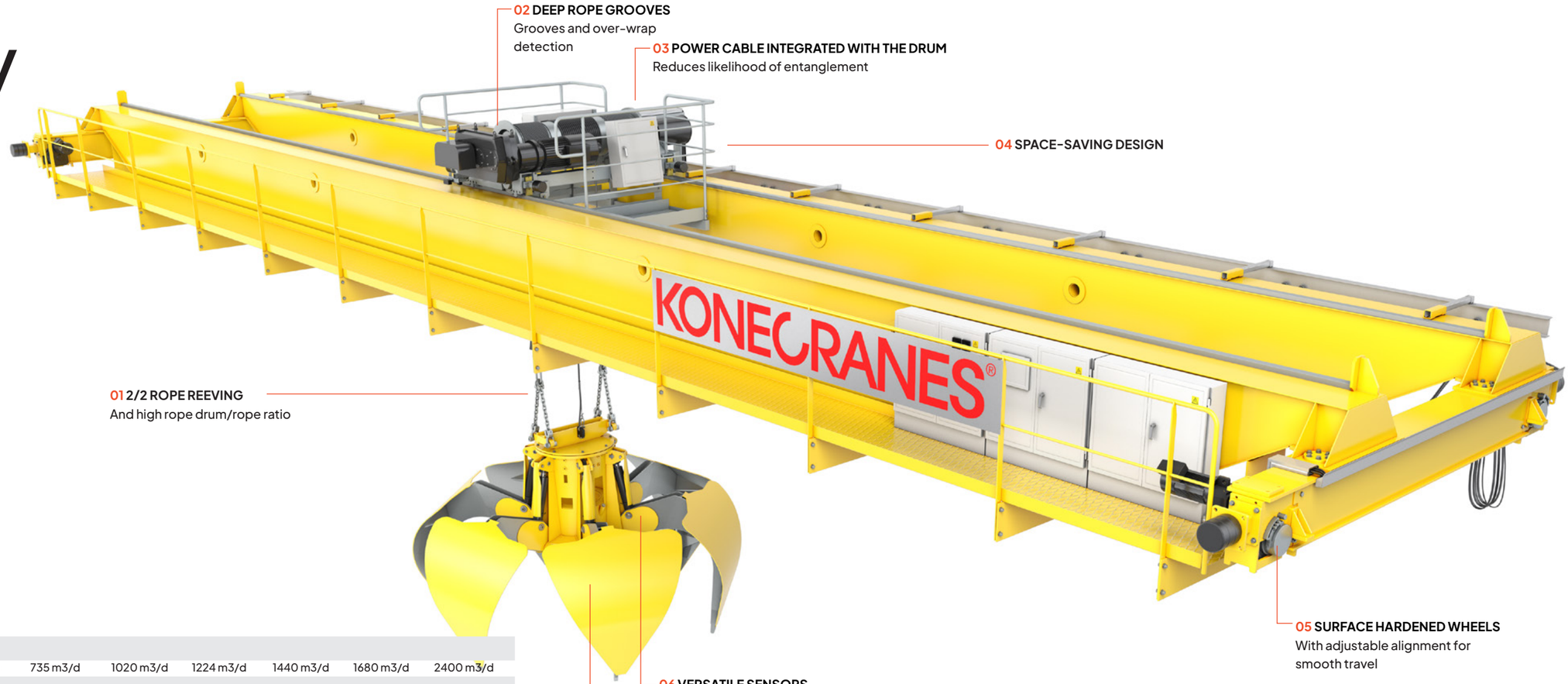
# Heavy duty biomass cranes




**02 DEEP ROPE GROOVES**
Grooves and over-wrap detection

**03 POWER CABLE INTEGRATED WITH THE DRUM**
Reduces likelihood of entanglement

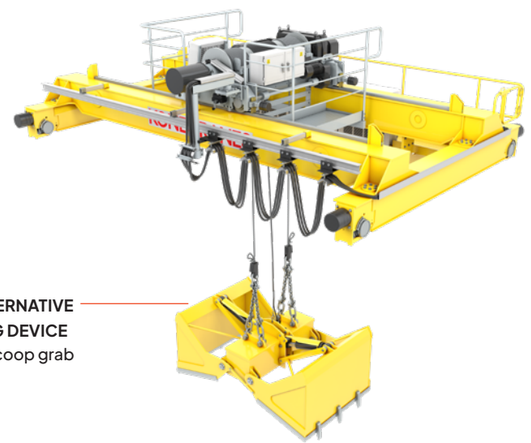
**04 SPACE-SAVING DESIGN**

**01 2/2 ROPE REEVING**
And high rope drum/rope ratio

**05 SURFACE HARDENED WHEELS**
With adjustable alignment for smooth travel

**06 VERSATILE SENSORS**
For full automation

**07 OPTIONAL**
Centralized lubrication system



**08 ALTERNATIVE LIFTING DEVICE**
Dual-scoop grab

| Technical data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Plant nominal capacity | 360 m3/d | 528 m3/d | 735 m3/d | 1020 m3/d | 1224 m3/d | 1440 m3/d | 1680 m3/d | 2400 m3/d |
| **Trolley** | | | | | | | | |
| Purpose build open winch | GL07-BL | GL07-BH | GL08-BL | GL08-BH | GL09-BL | GL09-BH | GL10-BL | GL10-BH |
| **Lifting devices** | | | | | | | | |
| Orange peel grab | 2.5 m3 | 3.2 m3 | 5 m3 | 6.3 m3 | 8 m3 | 10 m3 | 12 m3 | 14.5 m3 |
| **Lifting capacity** | | | | | | | | |
| Maximum capacity | 4.5 t | 5.4 t | 6.3 t | 8 t | 9.5 t | 12 t | 14 t | 17 t |
| **Main dimensions** | | | | | | | | |
| Span, typical | 18 m | 22 m | 24 m | 24 m | 24 m | 24 m | 27 m | 27 m |
| Lifting height, max | 22.3 m | 22.3 m | 22.6 m | 22.6 m | 22.9 m | 22.9 m | 22.5 m | 22.5 m |
| **Speeds** | | | | | | | | |
| Bridge travel speed | 60 m/min | 60 m/min | 60 m/min | 80 m/min | 80 m/min | 80 m/min | 80 m/min | 100 m/min |
| Trolley traversing speed | 60 m/min | 60 m/min | 60 m/min | 60 m/min | 70 m/min | 70 m/min | 80 m/min | 80 m/min |
| Hoisting speed with nominal load | 30 m/min | 42 m/min | 40 m/min | 32 m/min | 50 m/min | 40 m/min | 29 m/min | 65 m/min |
| Lowering speed ESR | 40 m/min | 58 m/min | 50 m/min | 40 m/min | 70 m/min | 55 m/min | 45 m/min | 90 m/min |
| **Electrical systems** | | | | | | | | |
| Bridge power supply | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon |
| Trolley power supply | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon | Festoon |
| Grab power supply | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum | Integrated on the rope drum |
| Motor control system | Konecranes VFD | Konecranes VFD | Konecranes VFD | Konecranes VFD | Konecranes VFD | Konecranes VFD | Konecranes VFD | Konecranes VFD |
| Sway control | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| Electrical braking | Regenerative | Regenerative | Regenerative | Regenerative | Regenerative | Regenerative | Regenerative | Regenerative |
| **Control** | | | | | | | | |
| Manual / Semi-automated | Radio | Radio | Radio | Radio | Radio | Radio | Radio | Radio |
| Automated: Feeding / Unmanned | HMI-panel | HMI-panel | HMI-panel | HMI-panel | HMI-panel | HMI-panel | HMI-panel | HMI-panel |
| Remote Operation Station (ROS) | Optional | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| **Monitoring** | | | | | | | | |
| Event history recorder in Programmable Logic Controller (PLC) | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |
| Crane Monitoring System (CMS) / Main User Interface (MUI) | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard |

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