



# Lifting on a higher level

**Demag HCW: High Capacity Winch crabs**

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# Compact design and high performance

Solutions tailored to meet specific customer needs for load capacities up to 500 t can be implemented with Demag HCW High Capacity Winch units.

Demag HCW open winch units feature an extremely compact design. Thanks to their outstanding combination of size and lifting capacity, they can be used to create a full range of solutions for power stations, shipyards and heavy mechanical engineering applications. The load on the crane superstructure can be significantly reduced due to the low hoist unit deadweight.

HCW hoist units are equipped with wear-resistant components and offer good accessibility for service and maintenance. They can also be used to modernise existing crane installations where little space is available.



HCW open winch units can be configured to meet individual needs thanks to their modular system design. Fast, safe and reliable – thanks to clearly defined interfaces. And without the need for any additional design or development work.

## PRECISE POSITIONING OF HEAVY LOADS

Our open winch units offer optimum approach dimensions to utilise the existing floor area. Depending on their design, the 4 or 6-wheel crabs ensure uniform distribution of the load on the crane girders. Loads can be safely and precisely positioned thanks to true-vertical-lift reeving arrangements up to 20/2, optional integrated load-sway reduction and inverter-controlled microspeeds.

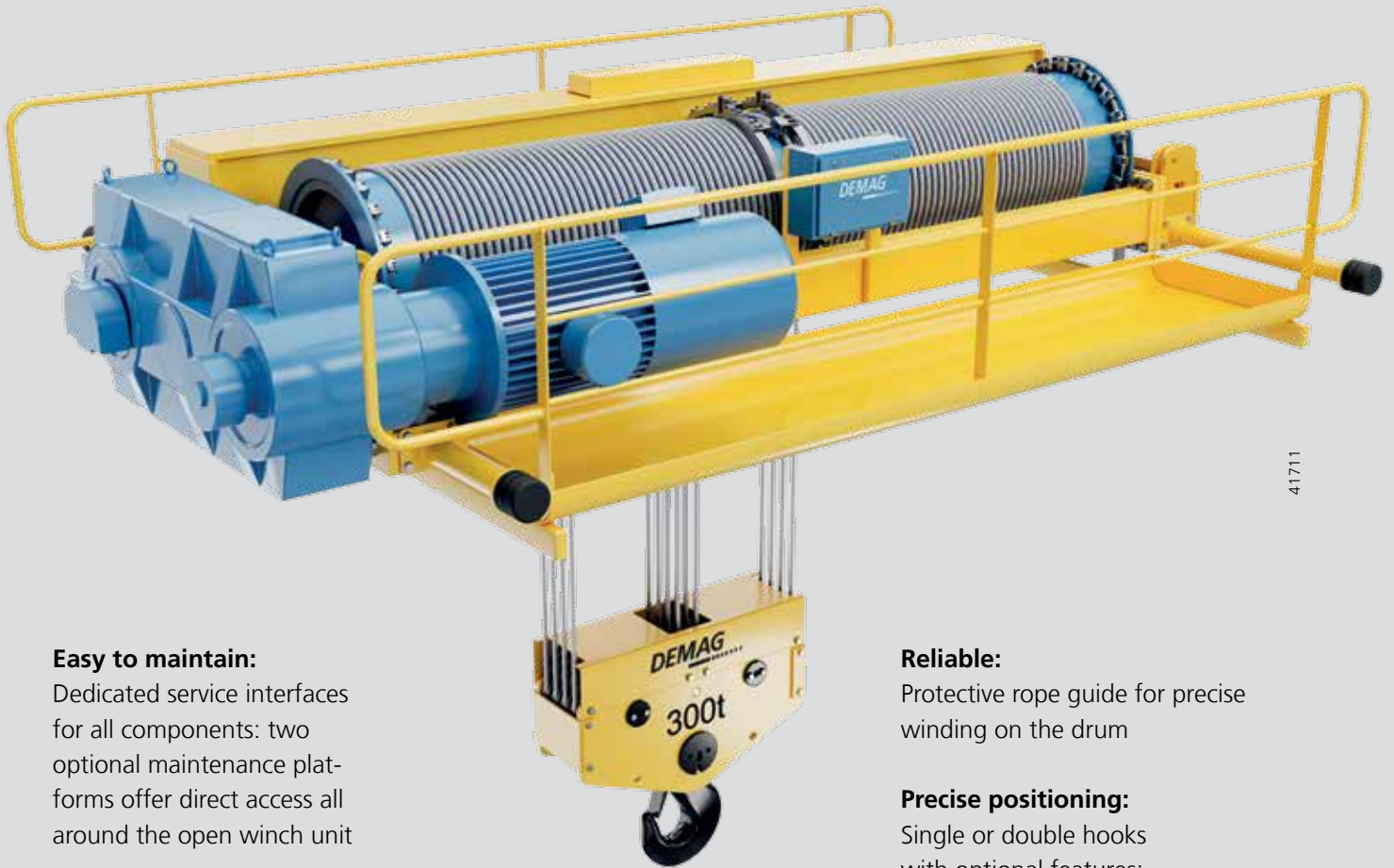
## RELIABLE DRIVES

The drives are equipped with high-quality, perfectly matching components to ensure reliable operation in lifting and travel applications.

## DOUBLE PERFORMANCE

HCW open winch units offer exceptional lifting power. With load capacities up to 500 t, they provide the necessary lift in the upper load capacity range. By using them as tandem units, their lifting capacity can be increased to 1,000 t.

High load capacities and compact design: HCW open winch units lift up to 500 t



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### Easy to maintain:

Dedicated service interfaces for all components: two optional maintenance platforms offer direct access all around the open winch unit

Central lubrication systems for gearbox and components (option)

### Reliable:

Protective rope guide for precise winding on the drum

### Precise positioning:

Single or double hooks with optional features:

- Motor-driven design
- Hook position can be locked at increments of 90°

Size	Max. SWL	Max. lifting speed ESR*		Reeving	Duty class	Max. hook path	Crab track gauge
	[t]	[m/min]					
HCW 2057	200	3.0	3.8	12/2	M5	74	2,700 - 6,500
HCW 2444	240	2.4	3.0	12/2	M4	46	2,700 - 6,500
HCW 2547	250	2.3	3.8	12/2	M4	74	3,400 - 8,100
HCW 2553		2.1	2.3	16/2	M5	35	2,700 - 6,500
HCW 2555	300	2.3	2.8	16/2	M5	55	3,400 - 8,100
HCW 3034		2.0	3.0	12/2	M3	46	2,700 - 6,500
HCW 3037	2.0	3.8	12/2	M3	74	3,400 - 8,100	
HCW 3243	320	1.8	2.3	16/2	M4	35	2,700 - 6,500
HCW 3245		1.8	2.8	16/2	M4	55	3,400 - 8,100
HCW 3254	1.8	2.3	20/2	M5	44	3,400 - 8,100	
HCW 4033	400	1.5	2.3	16/2	M3	35	2,700 - 6,500
HCW 4035		1.5	2.8	16/2	M3	55	3,400 - 8,100
HCW 4044	1.5	2.3	20/2	M4	44	3,400 - 8,100	
HCW 5034	500	1.2	2.3	20/2	M3	44	3,400 - 8,100

### AT A GLANCE:

- High-performance hoist units in graded sizes up to 500 t and 1,000 t as tandem unit
- Compact dimensions require little space
- Complete solutions with perfectly matching travel units
- Precise positioning thanks to inverter-controlled drives
- Dedicated interfaces for service and maintenance

\* Max. ESR (Extended Speed Range): Available as option with max. 20 % of nominal load

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## STANDARD FEATURES

- Forged single or double hook with protective cover
- Rope guide on the drum
- Overload protection with strain gauge
- IP55 enclosure
- Hoist unit brake
- Hoist limit switches
- Cross-travel limit switch
- Hoist final limit switch/manual reset
- Paint finish:
  - crab frame in RAL 1004
  - motors/gearbox in RAL 5009
- Can be operated down to -20 °C for steel superstructure

## OPTIONS (EXTRACT)

- Drive designs with heating systems (115/230 V)
- Geared limit switch with second switching unit: 4 additional stopping positions.
- Travel limit switch: 2-step heavy duty limit switch (TA471)
- Electronic weighing system: +/-5% accuracy with nominal load
- Stainless steel electric enclosure
- Additional versions with guide rollers
- Customer-specific paint finish
- Mechanical derailment protection
- Protection against the weather for all drives operating outdoors
- Cable drum fitting

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