

LDW Drawworks

Chain-driven and AC gear-driven drawworks
for demanding drilling applications

LDW Drawworks

LDW drawworks from Cameron are engineered for reliability, high performance, and cost efficiency.

We offer conventional chain-driven drawworks for mechanical durability and powerful hoisting performance as well as gear-driven drawworks that use minimal mechanical parts for reduced maintenance time, resulting in extended drilling service.

Both drawworks concepts provide the safety assurance and performance features customers expect in demanding drilling operations.



Chain-driven LDW drawworks.

Conventional chain-driven drawworks

Cameron offers chain-driven models ranging from 3,000 to 4,500 input hp. Hoisting power is provided by a two- or three-motor drive system, which can be either a variable frequency AC drive or silicon-controlled rectifier (SCR) DC drive. Our chain-driven drawworks are equipped with a robust disc brake system featuring hydraulically applied service brake calipers as well as spring-actuated emergency and parking brake calipers for operational safety. These drawworks come mounted on oilfield-type skids with provisions for crane lifting and easy tailboard loading onto transport trucks or rig structures.

Conventional Chain-Driven Drawworks Performance Specifications

Model	Hookload, lbf				Horsepower, hp	Number of Lines	Drilling Depth Range, ft
	Low Clutch		High Clutch				
	Low Transmission	High Transmission	Low Transmission	High Transmission			
LDW3000 [†]	1,007,000	729,000	362,000	262,000	3,000	8	16,000–30,000
	1,220,000	883,000	439,000	318,000			
	1,415,000	1,025,000	509,000	369,000			
	1,579,000	1,143,000	568,000	411,000			
LDW3000 [†] (heavy duty)	1,358,000	983,000	436,000	316,000	3,000	10	16,000–30,000
	1,586,000	1,148,000	509,000	369,000			
	1,799,000	1,303,000	578,000	418,000			
	2,000,000	1,448,000	642,000	465,000			
LDW4500 [‡]	1,746,000	1,045,000	579,000	349,000	4,500	10	20,000–40,000
	2,026,000	1,224,000	672,000	405,000			
	2,260,000	1,365,000	749,000	452,000			
	2,500,000	1,510,000	829,000	500,000			

[†] Hookload based on second layer.

[‡] Hookload based on third layer.



AC gear-driven LDW drawworks.

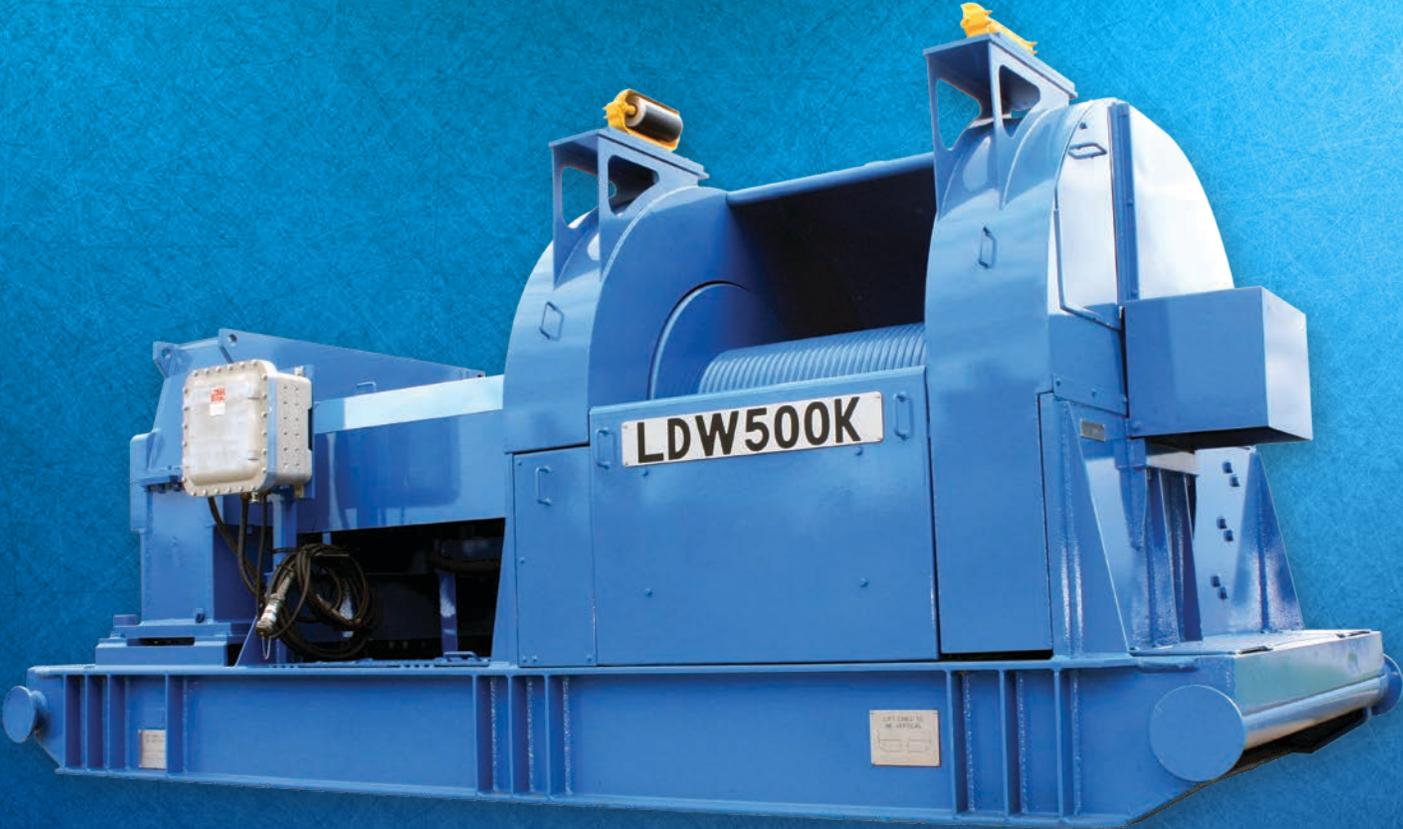
AC gear-driven drawworks

Cameron AC gear-driven LDW drawworks incorporate technically advanced features to increase drilling performance, safety, and reliability. The combination of both cost and operational efficiency with small footprints, less weight, and reduced noise and vibration further adds to the advantages provided by these solid machines.

These advanced systems feature an engineered braking system for increased safety, incorporating a regenerative system and optional auxiliary brake. Higher operational speeds are achieved in all models through the use of variable frequency drive (VFD) AC motors. In addition, our AC gear-driven drawworks require fewer utilities for installation and fewer spare parts.

AC Gear-Driven Drawworks Performance Specifications				
Model	Hookload, lbf	Number of Lines	Drum Size, in	Horsepower, hp
LDW500/550K	550,000	10	25 × 49	1,500
	455,000	8		
LDW750K	750,000	12	27 × 56¼	2,300
	648,000	10		
	538,000	8		
LDW1000K	1,000,000	12	30 × 56¼	3,000
	860,000	10		
	715,000	8		
LDW1500K	1,500,000	14	36 × 72	4,500
	1,330,000	12	36 × 82	
	1,150,000	10		
LDW2000K	2,000,000	16	42 × 82	6,000
	1,810,000	14		
	1,610,000	12		

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