

LEWCO DRAWWORKS



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LEWCO Drawworks from LeTourneau Drilling Systems are engineered for reliability, high performance, and cost efficiency. LeTourneau Drilling Systems offers LEWCO AC Gear-Driven Drawworks utilizing minimal mechanical parts for reduced maintenance time, resulting in extended drilling service. LeTourneau Drilling Systems manufactures a line of LEWCO Conventional Chain-Driven Drawworks for mechanical durability and powerful hoisting performance. Both drawworks concepts provide the safety assurance and performance features customers expect in demanding drilling operations.



Conventional Chain-Driven Drawworks

LeTourneau Drilling Systems offers three chain-driven models, ranging from the LDW3000 (3000 input hp) to the LDW4500 (4500 input hp). Hoisting power is provided by a two or three motor drive system, which can either be a variable frequency AC drive or SCR controlled DC drive. Plus, LEWCO Chain-Driven Drawworks are equipped with a robust disc brake system featuring hydraulically applied service brake calipers as well as spring actuated emergency/parking brake calipers for operational safety. LEWCO Chain-Driven 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	Hook Load (kips)				Horsepower	No. of Lines	Drilling Depth Range (ft)
	Low Clutch		High Clutch				
	Low Transmission	High Transmission	Low Transmission	High Transmission			
LDW3000*	1007	729	362	262	3000	8	16,000-30,000
	1220	883	439	318		10	
	1415	1025	509	369		12	
	1579	1143	568	411		14	
LDW3000* HEAVY DUTY	1358	983	436	316	3000	10	16,000-30,000
	1586	1148	509	369		12	
	1799	1303	578	418		14	
	2000	1448	642	465		16	
LDW4500**	1746	1045	579	349	4500	10	20,000-40,000
	2026	1224	672	405		12	
	2260	1365	749	452		14	
	2500	1510	829	500		16	

*Hook loads based on second layer. **Hook loads based on third layer.

All specifications are subject to change. Information important to a particular application should be verified by LeTourneau Drilling Systems.



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AC Gear-Driven Drawworks

LEWCO AC Gear-Driven Drawworks offer 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.

Offered in a choice of 550K, 750K, 1000K, 1500K, and 2000K hook load models, 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, LEWCO AC Gear-Driven Drawworks require fewer utilities for installation and fewer spare parts.



AC GEAR-DRIVEN DRAWWORKS PERFORMANCE SPECIFICATIONS				
Drawworks Model	Hook Load (lbs)	No. of Lines	Drum Size (in)	Horsepower
LDW550K	550,000	10	25 x 49	1500
	455,000	8		
LDW750K	750,000	12	27 x 56-1/4	2300
	648,000	10		
	538,000	8		
LDW1000K	1,000,000	12	30 x 56-1/4	3000
	860,000	10		
	715,000	8		
LDW1500K	1,500,000	14	36 x 72 / 82	4500
	1,330,000	12		
	1,150,000	10		
LDW2000K	2,000,000	16	42 x 82	6000
	1,810,000	14		
	1,610,000	12		

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