

Drawworks

Stewart & Stevenson designs and manufactures a full line of AC, DC and mechanical drawworks for the drilling industry.

Our drawworks are designed for optimal performance, superior control and optimal safety. Light-weight with compact dimensions, our drawworks operate under the most extreme climate conditions. The modular design allows for easy maintenance and repair. Drawworks packages can be customized to meet even the most challenging operational requirements.



Land Rig AC & DC Gear Driven Drawworks

Model	CE1100E	CE1500E
Horsepower (hp)	1100	1500
Drilling Depth (ft)	8,000–13,000	11,000–15,000
Wireline Size (in)	1-1/4	1-3/8
Drum Size (in)	25 × 62	27 × 72
Single Line Pull (lb)	55,000	62,500
Gear Box	Single Speed	Single Speed
Water Brake	336 WCSB	436 WCSB
AC Drilling Motors	1	1
Auto-Driller Motor	50 hp	50 hp

Actual single line pull depends on the number and capacity of motors used. Drawworks can be furnished with an emergency/auto-driller system.

See Inside for Specifications



A Century of Innovation

Heavy Duty AC & DC Gear Driven Drawworks		
Model	CE1100E	CE1500E
Horsepower (hp)	1100	1500
Drilling Depth (ft)	8,000–13,000	11,000–15,000
Wireline Size (in)	1-1/4	1-3/8
Drum Size (in)	25 × 62	27 × 72
Single Line Pull (lb)	55,000	62,500
Gear Box	Single or Double Speed	Single or Double Speed
Eddy Current Brake	3550 or 5032	5250 or 6032
Parking/Emergency Brake	Caliper Brake or Multi-Disc Brake	Caliper Brake or Multi-Disc Brake
Drilling Motors	1	1 or 2
Auto-Driller Motor	50 hp	50 hp

Actual single line pull depends on the number and capacity of motors used. Drawworks can be furnished with an emergency/auto-driller system.

With in-house design, engineering, manufacturing, testing and after-sales capabilities, Stewart & Stevenson services clients from concept to completion and beyond. Our pioneering technological advancements in rig manufacturing, such as drawworks components and AC/DC control systems, serve oilfield service companies locally and internationally.



Mobile Rig Drawworks				
Model	Single Line Pull (lb)	Maindrum Options	Maindrum Clutch Options	Maindrum Brake Options
CE200	30,000 34,000	15-7/8" × 36-3/4" 13-7/8" × 36-3/4"	PO-318	8" × 38" 40" Disc × 2
CE250	50,000	13-7/8" × 36-3/4"	PO-224	8" × 38"
CE350	52,000 46,000	13-7/8" × 36-3/4" 15-7/8" × 36-3/4"	PO-224	8" × 38" 10" × 38" 48" Disc × 2
CE550	46,000	15-7/8" × 36-3/4"	PO-224	12" × 42" 52" Disc × 2
CE600	46,000	15-7/8" × 36-3/4"	PO-324	12" × 42"
CE650	44,000 55,000	17-7/8" × 36-3/4"	33VC650 37VC650	12" × 42"
CE750	50,000	19-7/8" × 35-1/2"	37VC650	11" × 44" 236 WCSB
CE1000	60,000	21-7/8" × 37-1/4"	32VC1000	11" × 44" 336 WCSB

All mobile rig drawworks can be furnished with an emergency/auto-driller system.

DC Chain Driven Drawworks			
Model	CE750E	CE1000E	CE1500E
Horsepower (hp)	750	1000	1500
Drilling Depth (ft)	6,000–10,000	8,000–12,000	11,000–15,000
Wireline Size (in)	1-1/8	1-1/4	1-3/8
Drum Size (in)	22 × 46	25 × 50	27 × 50
Single Line Pull (lb)	45,000	50,000	60,000
Hoisting Speed	4	4	4
Brake Rim Size (in)	44 × 11	46 × 10-3/8	50 × 10-3/8
Drum Drive Chain	140-3	140-3	160-3
Transmission Chain	120-3	120-3	120-4
Low Clutch	PO-230	PO-330	PO-236
High Clutch	PO-324	PO-324	PO-230
Eddy Current Brake	3630	3550 or 5032	5250 or 6032
Water-cooled Disc Brake	236WCBD	336WCBD	336WCBD
DC Motors	1	1	2
Drawworks can be furnished with either a water cooled brake or Eddy current brake.			

Brake Cooling Options	Drill Line Options	Sandline Brake Options	Sandline Clutch	Sandline Capacity 9/16" Line	Auxiliary Brake Options*
Air Splash	3/4" 7/8"	7" × 34" 40" Disc × 1	PO-218 PO-218	8000' 8000'	-
Splash	7/8"	7" × 34"	PO-218	8000'	-
Air Splash Air	7/8" 1"	7" × 34" 8" × 38" 48" Disc × 1	PO-218	8000' 13,000'	Single 40" Disc
Splash or Circulating Air or Water-cooled	1"	8" × 42" 48" Disc × 1	PO-218	14,000' 17,000'	Double 48" Disc 224 WCSB
Splash or Circulating	1"	8" × 42"	PO-318	17,000'	Double 48" Disc 224 WCSB
Circulating	1-1/8"	8" × 42"	26CB525	17,000'	324 WCBD
Circulating	1-1/4"	8" × 42"	26CB525	17,000'	424 WCBD
Circulating	1-1/4"	8" × 42"	26CB525	17,000'	236 WCBD
					*Hydromatic brakes optional.

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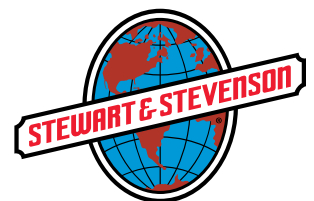
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