Drawworks

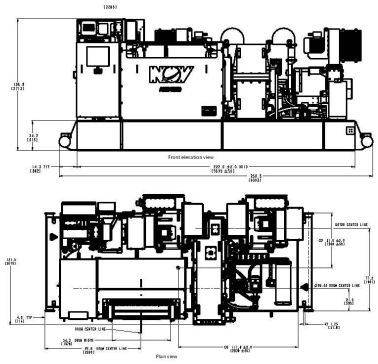
22. ADS Drawworks
23. DSGD-375 & SSGD-250

ADS Drawworks

*For reference only, please contact your local sales contact for more information.

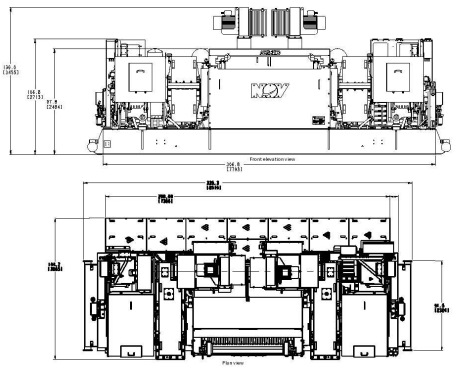
Our Automated Drawworks systems (ADS) provides drillers with enhanced **hoisting control capabilities that increase the efficiency, productivity and** safety of the drilling process. These drawworks are equipped with AC motors which provide significantly more performance and have made possible a machine that requires approximately half the space and weight with less maintenance than traditional drawworks.

ADS-10SD



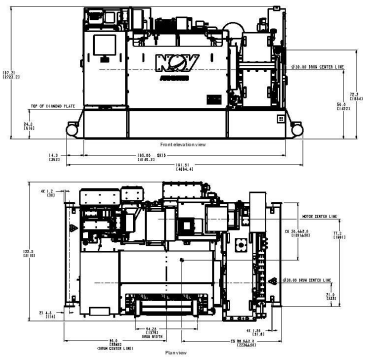
Technical Specifications	
DESIGN DATA	
Max hook load 12 lines	483.5 sT (438.6 mT)
Max hook load 10 lines	413.5 sT (375.1 mT)
Max hook load 8 lines	340 sT (308.4 mT)
Weight	64,325 lbs (39,177 kg)
Dimensions (LxWxH)	248" x 119" x 111.5" (630 cm x 302.3 cm x 283.2 cm)
Wire rope diameter	1 ⅛"
Drum size	30" x 55" (76.2 cm x 139.7 cm)
Continuous power	1,800 Hp
Intermittent power	2,000 Hp
Skid dimensions (L x W)	247" x 108" (627.4 cm x 274.3 cm)
Brakes	1 x 36"
Brake disc cooling method	Air cooling
Gearbox	1 x GB-15
DRILLING MOTOR	
Type	NOV Dm-27
Number of motors	2
HP per motor	1,150 HP

ADS-30D



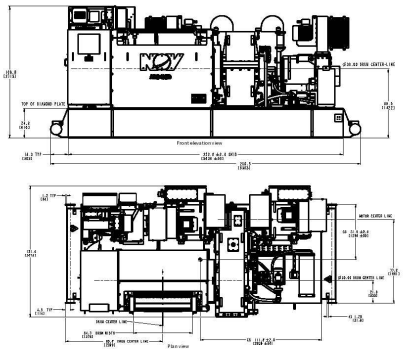
Technical Specifications	
DESIGN DATA	
Max hook load 14 lines	793 sT (719 mT)
Max hook load 12 lines	698 sT (633 mT)
Max hook load 10 lines	597.5 sT (542 mT)
Weight	100,200 lbs (47,718 kg)
Dimensions (LxWxH)	144.3" x 290" x 136" (366.5 cm x 736.6 cm x 345.4 cm)
Wire rope diameter	1 ⅜", 1 ½"
Drum size	36" x 71" (91.4 cm x 180.3 cm)
Continuous power	3,000 Hp
Intermittent power	3,600 Hp
Skid dimensions (L x W)	319" x 108" (910.3 cm x 274.3 cm)
Brakes	2 x 36"
Brake disc cooling method	Air cooling
Gearbox	2 x GB15
DRILLING MOTOR	
Type	NOV CM632UUT
Number of motors	2
HP per motor	1,500 HP

ADS-1500 SS



Technical Specifications	
DESIGN DATA	
Max hook load 12 lines	407.2 sT (369.4 mT)
Max hook load 10 lines	348.6 sT (316.3 mT)
Max hook load 8 lines	286.6 sT (260 mT)
Weight	53,000 lbs (24,040 kg)
Dimensions (LxWxH)	135.6" x 163" x 107.2" (344.4 cm x 414 cm x 272.3 cm)
Wire rope diameter	1 ⅛", 1 ⅜"
Drum size	30" x 55" (76.2 cm x 139.7 cm)
Continuous power	1,500 Hp
Intermittent power	2,000 Hp
Skid dimensions (L x W)	91.5" x 191.5" (232.4 cm x 486.4 cm)
Brakes	1 x 36"
Brake disc cooling method	Air cooling
Gearbox	1 x GB-15
DRILLING MOTOR	
Type	NOV CM632UUT
Number of motors	1
HP per motor	1,500

ADS-2000SD



Technical Specifications	
DESIGN DATA	
Max hook load 12 lines	500 sT (454 mT)
Max hook load 10 lines	428 sT (388 mT)
Max hook load 8 lines	352 sT (319 mT)
Weight	63,500 lbs (28,803 kg)
Dimensions (LxWxH)	250.5" x 121" x 106.8" (636.3 cm x 307.3 cm x 271.3 cm)
Wire rope diameter	1 ⅛", 1 ½"
Drum size	30" x 55" (76.2 cm x 139.7 cm)
Continuous power	2,000 Hp
Intermittent power	2,000 Hp
Skid dimensions (L x W)	247" x 108" (627.4 cm x 274.3 cm)
Brakes	1 x 36"
Brake disc cooling method	Air cooling
Gearbox	1 x GB-15
DRILLING MOTOR	
Type	NOV Dm-27
Number of motors	2
HP per motor	1,150 HP

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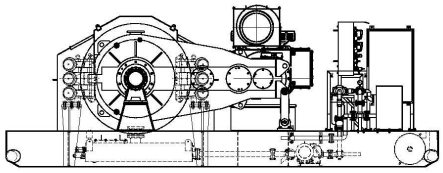
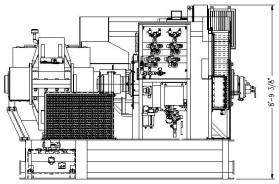
DSGD-375 & SSGD-250 Drawworks

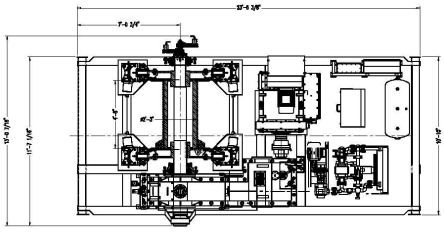
*For reference only, please contact your local sales contact for more information.

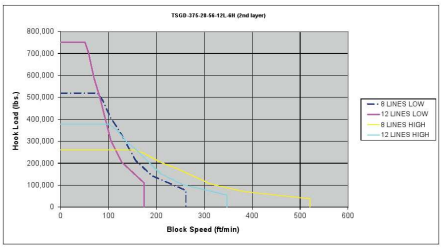
The DSGD-375 drawworks features a direct drive design ideal for rig applications where space, weight, and power are important considerations. Service braking is achieved using an AC motor, which is also the prime mover for the drawworks. Emergency brakes (2) are spring applied, pneumatic release calipers

DSGD-375





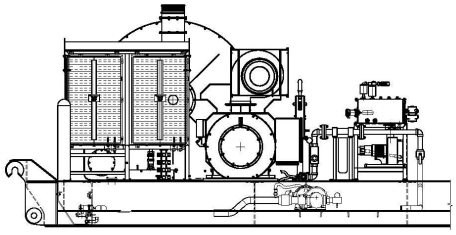


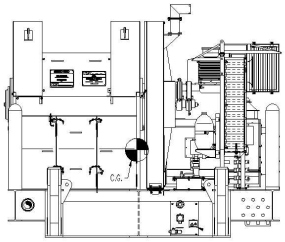


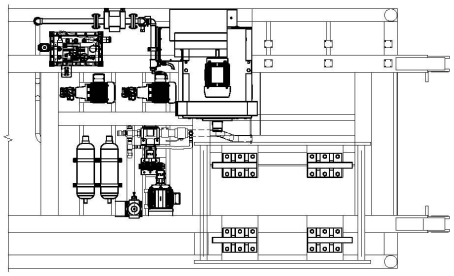
Technical Specifications	
DESIGN DATA	
Max hook load 12 lines	375 sT (340.2 mT)
Max hook load 10 lines	318.5 sT (288.9 mT)
Weight	68,746 lbs (31,183 kg)
Dimensions (LxWxH)	282.4" x 163.1" x 105.4" (717.3 cm x 414.3 cm x 267.7 cm)
Wireline size	1 ⅜"
Maximum ambient temperature	104°F (40°C)
Drum size	27" x 56" (68.6 cm x 142.2 cm)
Drum diameter @ root of grooving	28" (71.1 cm)
Continuous power	1,500 Hp
Intermittent power	1,800 Hp
Oil sump capacity	100 US Gal. (379 L)
Lube pump rating	19 gpm @ 250 psi (72L/min @ 1,724 kPa)
Skid dimensions (L x W)	282.4" x 130" (717.3 cm x 330.2 cm)
GEAR RATIO	
High gear	7.99:1
Low gear	11.95:1
BRAKES	
Number of brake discs	2
Brake disc cooling method	Air cooling
Brake disc diameter	72" (182.9 cm)
Brake disc thickness	4" (10.2 cm)
DRILLING MOTOR	
Type	NOV CM632UUT
Number of motors	1
HP per motor	1,500

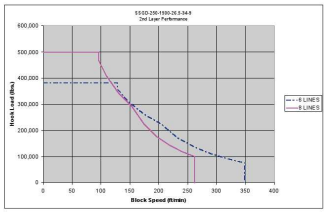
SSGD-250 drawworks is a single speed, gear driven drawworks rated at 1,500 HP driven by a single AC drilling motor. Because of its low weight and compact size, the SSGD-250 is easy to transport, making it ideal for land rigs. Service braking is achieved using the AC motor which is also the prime mover. Emergency brakes (2) are spring applied, hydraulic release calipers. The SSGD-250 is provided with a dedicated HPU for brake operation.

SSGD-250









Technical Specifications	
DESIGN DATA	
Max hook load 8 lines	250 sT (226.8 mT)
Max hook load 6 lines	191 sT (173.3 mT)
Max block speed 8 lines	305 fpm @ 60,000 lbs 1.55 m/s @ 725 kN)
Weight	71,309 lbs (32,345 kg)
Dimensions (LxWxH)	221.0" x 137" x 117.6" (561.3 cm x 348 cm x 298.7 cm)
Wire rope diameter	1 ¼"
Drum size	36" x 71" (91.4 cm x 180.3 cm)
Drum diameter @ root of grooving	26.5" (67.3 cm)
Continuous power	1,500 Hp
Intermittent power	1,800 HP
Lube pump rating	22 GPM @ 150 PSI
Oil slump capacity	226 US GAL (857 L)
Skid dimensions (L x W)	221" x 108" (561.3 cm x 274.3 cm)
GEAR RATIO	
Overall gear ratios	9:1
BRAKES	
Number of brake discs	2
Brakes	2 x 36" (2 x 91.4 cm)
Brake disc cooling method	Air cooling
Brake disc diameter	76 ½"
DRILLING MOTOR	
Type	NOV CM632UUT
Number of motors	1
HP per motor	1,500

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