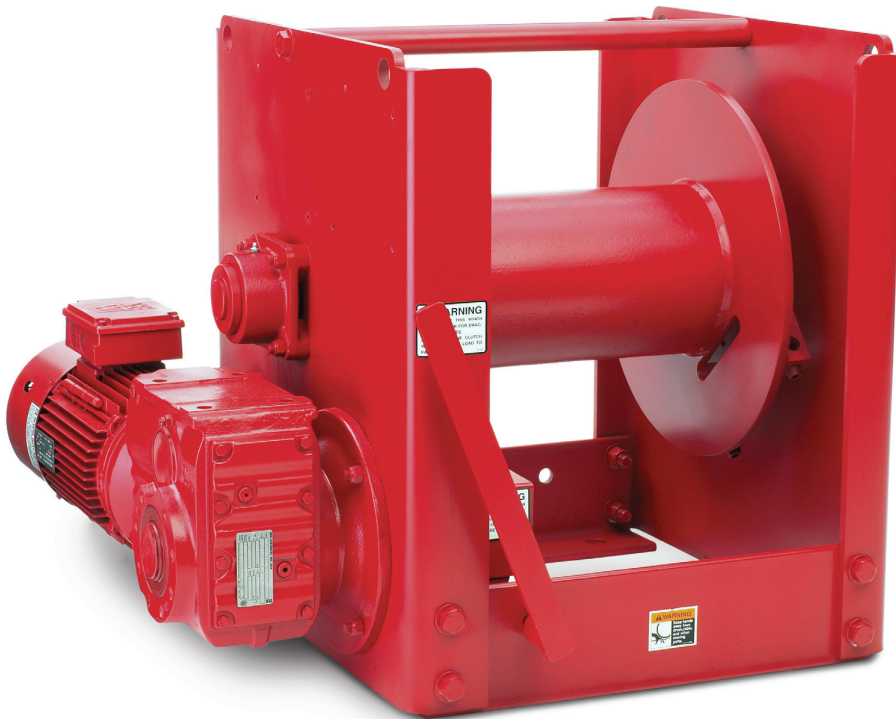


4HS SERIES POWER WINCHES

Thern 4HS series power winches feature dual stage gear reduction for economical handling of large loads. The combination of helical/bevel or helical/parallel and spur gearing make these winches ideal for applications requiring long travel distances and faster line speeds. Our modular design also means we can quickly customize these winches to meet your specific requirements.



FLANGE STYLE ROLLER BEARINGS are self-aligning bearings with cast housing to maintain smooth drum rotation.

WELDED STEEL DRUM with outside flange anchors allow for uniform winding and help extend life of wire rope. Anchors allow cable to be over wound or under wound from either side of the drum.

EXTENDED SOLID STEEL DRUM SHAFT with both ends captured in fabricated steel frame for optimal strength and security.

WIRE ROPE ASSEMBLIES sold separately per customer request.

FLANGE MOUNTED MOTOR is a 230/460 volt 3 phase motor, 60 cycle, IP 55, TEFC severe duty, reversible, class F insulated, continuous duty brakemotor.

Standard motors comply with relevant standards including NEMA, MG1, ANSI, CSA, IEC and ABS.

LOAD HOLDING MOTOR DISC BRAKE is spring set, electrically released for positive load handling.

DUAL STAGE GEARING, comprised of a helical/bevel or helical/parallel and a spur gears, make winches well suited for applications requiring long travel distances and faster line speeds.

The heat treated helical/bevel or helical/parallel gear set provides improved durability and operates in oil bath, enclosed in a high strength cast iron gearcase, SAE class 30. Double-lip oil seals keep oil in and contaminants out. Large capacity bearings ensure long life. Speed reducers meet AGMA standards.

Guarded, heat treated spur gearing provides secondary reduction. Grease zerks allow for easy lubrication.

ANSI B30.7 COMPLIANCE is available. Please contact the factory.

2 YEAR "MOVE IT WITH CONFIDENCE" LIMITED WARRANTY leads the industry.

4HS SERIES POWER WINCHES

	Clutch Option	HP	Load Rating	Line Speed
4HS6M	x	2 - 7.5	5,000 - 6,600 lb	15 - 40 fpm
4HS11M	x	5 - 10	9,000 - 11,000 lb	15 - 40 fpm
4HS16M	x	5 - 15	13,000 - 16,000 lb	10 - 40 fpm
4HS26M	x	10 - 20	22,000 - 26,000 lb	15 - 30 fpm
4HS40M	x	20 - 40	33,000 - 40,000 lb	20 - 40 fpm
4HS56M	x	30 - 50	48,000 - 56,000 lb	20 - 35 fpm

OPTIONS AND ACCESSORIES

DRUM MODIFICATIONS (A) include grooved drums, multiple compartment drums and modified drum widths and diameters.

MANUALLY OPERATED JAW CLUTCH (B) disengages for rapid payout of wire rope when not under load. Adjustable drag brake on the drum prevents over-spooling during payout. Clutch option is for horizontal pulling only.

WINCH MOUNTING OPTIONS include base, wall or under hung installation.

CABLE PRESSURE BARS (C) help maintain uniform winding of wire rope.

LIMIT SWITCHES (A) provide secondary shut-off for load travel in one or two directions.

MOTOR OPTIONS include air or hydraulic, voltage or phase changes, IP 65, class H insulated and multi-speed operation.

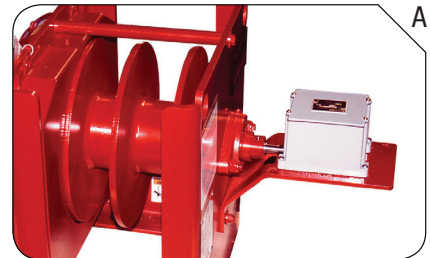
DUTY RATINGS include IEEE 45 marine duty, tropical duty, severe duty and explosion proof ratings.

BRAKE OPTIONS include over-speed, caliper style, band, and more.

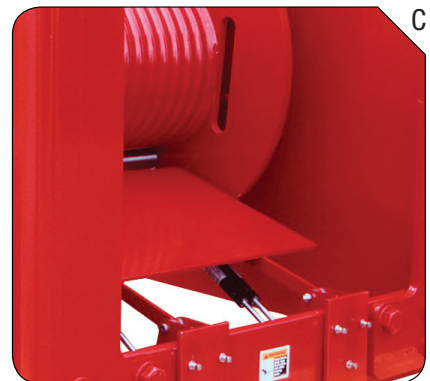
CONTROLS (D) are available in a wide range of standard and custom configurations for single or variable speed.

CORROSION RESISTANT FINISHES (E) for harsh or hazardous environments.

MANUAL OVERRIDES for winch operation in power loss situations.



Shown with double compartment and narrow drum width modifications and rotary limit switch.



Shown with cable pressure bar and grooved drum modification.



Shown with double compartment drum modification and gray epoxy finish.



4HS SERIES POWER WINCHES

4HS Series Performance Characteristics

	Model Number Extensions				Motor hp	Load Rating						Line Speed			
	Load Rating	Line Speed	Motor Codes ¹	Clutch Option ²		1st Layer		Mid Drum		Full Drum		1st Layer		Full Drum	
	(lb)	(fpm)				(lb)	(kg)	(lb)	(kg)	(lb)	(kg)	(fpm)	(mpm)	(fpm)	(mpm)
4HS6M	5000	15	D, E, F	C	2	5,100	2,314	3,800	1,725	3,100	1,407	13	4.0	22	6.7
4HS6M	5000	20	D, E, F	C	3	5,100	2,314	3,800	1,725	3,100	1,407	20	6.1	33	10.1
4HS6M	5000	30	D, E, F	C	5	5,100	2,314	3,800	1,725	3,100	1,407	33	10.1	55	16.8
4HS6M	6600	15	D, E, F	C	3	6,600	2,994	5,000	2,269	4,000	1,815	15	4.6	25	7.6
4HS6M	6600	25	D, E, F	C	5	6,600	2,994	4,900	2,224	4,000	1,815	25	7.6	41	12.5
4HS6M	6600	40	D, E, F	C	7.5	6,600	2,994	5,000	2,269	4,000	1,815	39	11.9	64	19.5
4HS11M	9000	20	D, E, F	C	5	9,000	4,083	6,200	2,814	4,700	2,132	19	5.8	35	10.7
4HS11M	9000	30	D, E, F	C	7.5	9,000	4,083	6,200	2,814	4,700	2,132	27	8.2	51	15.5
4HS11M	9000	40	D, E, F	C	10	9,000	4,083	6,200	2,814	4,700	2,132	37	11.3	70	21.3
4HS11M	11000	15	D, E, F	C	5	11,000	4,990	7,600	3,449	5,800	2,631	15	4.6	28	8.5
4HS11M	11000	20	D, E, F	C	7.5	11,000	4,990	7,600	3,449	5,800	2,631	21	6.4	40	12.2
4HS11M	11000	30	D, E, F	C	10	11,000	4,990	7,600	3,449	5,800	2,631	27	8.2	51	15.5
4HS16M	13000	20	D, E, F	C	7.5	13,000	5,897	8,900	4,039	6,700	3,040	19	5.8	37	11.3
4HS16M	13000	25	D, E, F	C	10	13,000	5,897	8,900	4,039	6,700	3,040	24	7.3	46	14.0
4HS16M	13000	40	D, E, F	C	15	13,000	5,897	8,900	4,039	6,700	3,040	37	11.3	72	21.9
4HS16M	16000	10	D, E, F	C	5	16,100	7,303	11,000	4,992	8,300	3,765	11	3.4	21	6.4
4HS16M	16000	15	D, E, F	C	7.5	16,000	7,258	10,900	4,947	8,300	3,765	16	4.9	30	9.1
4HS16M	16000	20	D, E, F	C	10	16,100	7,303	11,000	4,992	8,300	3,765	20	6.1	38	11.6
4HS26M	22000	15	D, E, F	C	10	22,000	9,980	16,200	7,352	12,800	5,807	16	4.9	27	8.2
4HS26M	22000	25	D, E, F	C	15	22,000	9,980	16,100	7,307	12,700	5,761	23	7.0	40	12.2
4HS26M	22000	30	D, E, F	C	20	22,900	10,388	16,800	7,624	13,200	5,988	29	8.8	50	15.2
4HS26M	26000	15	D, E, F	C	10	26,000	11,794	19,000	8,623	15,000	6,804	13	4.0	23	7.0
4HS26M	26000	20	D, E, F	C	15	26,000	11,794	19,000	8,623	15,100	6,850	19	5.8	33	10.1
4HS26M	26000	25	D, E, F	C	20	26,000	11,794	19,100	8,668	15,000	6,804	26	7.9	45	13.7
4HS40M	33000	20	D, E, F	C	20	33,100	15,015	24,100	10,937	18,900	8,574	19	5.8	34	10.4
4HS40M	33000	30	D, E, F	C	30	33,000	14,969	24,100	10,937	18,900	8,574	29	8.8	51	15.5
4HS40M	33000	40	D, E, F	C	40	33,100	15,015	24,100	10,937	18,900	8,574	39	11.9	68	20.7
4HS40M	40000	20	D, E, F	C	20	40,300	18,281	29,300	13,297	23,000	10,433	17	5.2	29	8.8
4HS40M	40000	25	D, E, F	C	30	40,300	18,281	29,400	13,342	23,100	10,479	23	7.0	41	12.5
4HS40M	40000	35	D, E, F	C	40	40,000	18,144	29,400	13,342	22,900	10,388	34	10.4	59	18.0
4HS56M	48000	20	D, E, F	C	30	48,000	21,773	37,200	16,882	30,300	13,745	21	6.4	33	10.1
4HS56M	48000	30	D, E, F	C	40	48,000	21,773	37,200	16,882	30,300	13,745	28	8.5	44	13.4
4HS56M	52000	35	D, E, F	C	50	52,200	23,678	40,400	18,334	32,900	14,924	33	10.1	52	15.8
4HS56M	56000	20	D, E, F	C	30	56,000	25,402	43,300	19,650	35,400	16,058	18	5.5	29	8.8
4HS56M	56000	25	D, E, F	C	40	56,000	25,402	43,400	19,695	35,400	16,058	24	7.3	38	11.6
4HS56M	56000	30	D, E, F	C	50	56,200	25,493	43,500	19,741	35,500	16,103	30	9.1	47	14.3

² Clutch option for horizontal pulling only.

Please contact factory or nearest Thern Distributor for firm fixed price and delivery.

Electric Motor Controls

	Description	Approx. Ship Wt.	
		(lb)	(kg)
10S3D4	electric motor controls 230/3/60 to 3 hp	25	12
10S7D4	electric motor controls 230/3/60 to 7.5 hp	25	12
10S10D4	electric motor controls 230/3/60 to 10 hp	28	13
10S20D4	electric motor controls 230/3/60 to 20 hp	28	13
10S30D4	electric motor controls 230/3/60 to 30 hp	60	28
10S7E4	electric motor controls 460/3/60 to 7.5 hp	25	12
10S15E4	electric motor controls 460/3/60 to 15 hp	25	12
10S20E4	electric motor controls 460/3/60 to 20 hp	28	13
10S40E4	electric motor controls 460/3/60 to 40 hp	60	28
10S60E4	electric motor controls 460/3/60 to 60 hp	60	28

Controls include NEMA 4 rated enclosure, and NEMA 4x rated pendant control on 50 foot cord.

Motor Controls sold separately.

Please contact factory or nearest Thern Distributor for firm fixed price and delivery.

All prices include mounting and wiring to motor.



Motor Codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages please contact factory	

4HS Series Drum Dimensions

	Drum Diameter (ID)		Flange Diameter (OD)		Drum Width (W)		Fleet Angle Dist (A) ³	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)
4HS6M	7.00	178	14.00	356	18.00	457	29	8.8
4HS11M	9.00	229	20.00	508	18.00	457	29	8.8
4HS16M	10.75	273	24.00	610	20.00	508	32	9.8
4HS26M	14.00	356	28.00	711	26.00	660	42	12.8
4HS40M	18.00	457	36.00	914	30.00	762	48	14.6
4HS56M	24.00	610	43.00	1,092	36.00	914	58	17.7

³ Recommended minimum distance between drum and lead sheave for smooth drum.

Dimensions are for reference only and subject to change without notice. Please contact factory for exact dimensions.

4HS SERIES POWER WINCHES

4HS Series Drum Capacities

Wire Rope Dia.		Breaking Strength ⁴		Drum Capacity	4HS6M		4HS11M		4HS16M		4HS26M		4HS40M		4HS56M	
(in)	(mm)	(lb)	(kg)		(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)
3/8	9.7	15,100	6,849	1st	80	24.4	—	—	—	—	—	—	—	—	—	—
				Mid	380	115.8	—	—	—	—	—	—	—	—	—	—
				Full	850	259.1	—	—	—	—	—	—	—	—	—	—
7/16	11.2	20,400	9,254	1st	68	20.7	—	—	—	—	—	—	—	—	—	—
				Mid	290	88.4	—	—	—	—	—	—	—	—	—	—
				Full	640	195.1	—	—	—	—	—	—	—	—	—	—
1/2	12.7	26,600	12,066	1st	60	18.3	76	23.2	—	—	—	—	—	—	—	—
				Mid	220	67.1	520	158.5	—	—	—	—	—	—	—	—
				Full	500	152.4	1,170	356.6	—	—	—	—	—	—	—	—
9/16	14.2	33,600	15,240	1st	53	16.2	67	20.4	89	27.1	—	—	—	—	—	—
				Mid	180	54.9	420	128.0	690	210.3	—	—	—	—	—	—
				Full	400	121.9	930	283.5	1,530	466.3	—	—	—	—	—	—
5/8	16.0	41,200	18,688	1st	—	—	59	18.0	78	23.8	—	—	—	—	—	—
				Mid	—	—	340	103.6	560	170.7	—	—	—	—	—	—
				Full	—	—	760	231.6	1,250	381.0	—	—	—	—	—	—
3/4	19.1	58,800	26,671	1st	—	—	48	14.6	65	19.8	—	—	—	—	—	—
				Mid	—	—	240	73.2	400	121.9	—	—	—	—	—	—
				Full	—	—	540	164.6	880	268.2	—	—	—	—	—	—
7/8	22.4	79,600	36,106	1st	—	—	—	—	54	16.5	94	28.7	—	—	—	—
				Mid	—	—	—	—	290	88.4	480	146.3	—	—	—	—
				Full	—	—	—	—	640	195.1	1,070	326.1	—	—	—	—
1	25.4	103,400	46,902	1st	—	—	—	—	47	14.3	82	25.0	—	—	—	—
				Mid	—	—	—	—	220	67.1	370	112.8	—	—	—	—
				Full	—	—	—	—	490	149.4	830	253.0	—	—	—	—
1-1/8	28.7	130,000	58,968	1st	—	—	—	—	—	—	71	21.6	110	33.5	—	—
				Mid	—	—	—	—	—	—	300	91.4	580	176.8	—	—
				Full	—	—	—	—	—	—	660	201.2	1,290	393.2	—	—
1-1/4	31.8	159,800	72,485	1st	—	—	—	—	—	—	63	19.2	95	29.0	160	48.8
				Mid	—	—	—	—	—	—	240	73.2	460	140.2	730	222.5
				Full	—	—	—	—	—	—	530	161.5	1,030	313.9	1,630	496.8
1-3/8	34.9	192,000	87,090	1st	—	—	—	—	—	—	56	17.1	85	25.9	140	42.7
				Mid	—	—	—	—	—	—	200	61.0	390	118.9	610	185.9
				Full	—	—	—	—	—	—	440	134.1	860	262.1	1,360	414.5
1-1/2	38.1	228,000	103,420	1st	—	—	—	—	—	—	—	—	77	23.5	130	39.6
				Mid	—	—	—	—	—	—	—	—	330	100.6	510	155.4
				Full	—	—	—	—	—	—	—	—	720	219.5	1,140	347.5
1-5/8	41.3	264,000	119,750	1st	—	—	—	—	—	—	—	—	—	—	110	33.5
				Mid	—	—	—	—	—	—	—	—	—	—	430	131.1
				Full	—	—	—	—	—	—	—	—	—	—	950	289.6
1-3/4	44.5	306,000	138,800	1st	—	—	—	—	—	—	—	—	—	—	110	33.5
				Mid	—	—	—	—	—	—	—	—	—	—	370	112.8
				Full	—	—	—	—	—	—	—	—	—	—	820	249.9
1-7/8	47.7	348,000	157,851	1st	—	—	—	—	—	—	—	—	—	—	97	29.6
				Mid	—	—	—	—	—	—	—	—	—	—	320	97.5
				Full	—	—	—	—	—	—	—	—	—	—	720	219.5

⁴Values based on 6x37 IWRC EIPS wire rope.

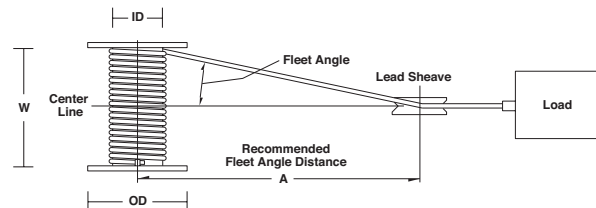
Actual drum capacities 25-30% less, due to nonuniform winding. Wire rope tension will also affect drum capacity.

Wire rope should be selected based on the breaking strength to load rating ratio and application parameters.

Industry standards suggest a 5:1 breaking strength to load rating ratio for lifting and a 3:1 ratio for pulling.

IMPORTANT:

It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.



4HS SERIES POWER WINCHES

4HS6-26M Series Winch Dimensions (see opposite page for diagram)

	A		B		C		D		E		F		G		H		J	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
4HS6M-5000-15	36.00	914	27.25	692	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS6M-5000-20	36.00	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS6M-5000-30	36.00	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS6M-6600-15	36.00	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS6M-6600-25	36.00	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS6M-6600-40	36.00	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.50	572	3.25	83
4HS11M-9000-20	41.00	1,041	31.75	806	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS11M-9000-30	41.50	1,054	34.75	883	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS11M-9000-40	42.50	1,080	37.00	940	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS11M-11000-15	41.00	1,041	31.75	806	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS11M-11000-20	41.50	1,054	34.75	883	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS11M-11000-30	42.50	1,080	37.00	940	8.50	216	17.75	451	5.13	130	2.38	60	18.44	468	31.00	787	4.00	102
4HS16M-13000-20	46.00	1,168	37.50	953	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS16M-13000-25	47.00	1,194	39.50	1,003	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS16M-13000-40	47.00	1,194	42.00	1,067	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS16M-16000-10	46.00	1,168	34.50	876	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS16M-16000-15	46.00	1,168	37.50	953	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS16M-16000-20	47.00	1,194	39.50	1,003	9.50	241	20.00	508	6.25	159	2.00	51	18.94	481	34.00	864	4.00	102
4HS26M-22000-15	60.50	1,537	42.50	1,080	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149
4HS26M-22000-25	60.50	1,537	45.00	1,143	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149
4HS26M-22000-30	60.50	1,537	48.50	1,232	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149
4HS26M-26000-15	60.50	1,537	42.50	1,080	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149
4HS26M-26000-20	60.50	1,537	45.00	1,143	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149
4HS26M-26000-25	60.50	1,537	48.50	1,232	12.38	314	25.38	645	8.06	205	2.44	62	21.00	533	44.50	1,130	5.88	149

	K		L		M		N		P		R		S (Hole Dia.)		Ship Wt. ¹	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
4HS6M-5000-15	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	570	259
4HS6M-5000-20	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	590	268
4HS6M-5000-30	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	590	268
4HS6M-6600-15	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	590	268
4HS6M-6600-25	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	590	268
4HS6M-6600-40	18.00	457	—	—	11.88	302	1.88	48	18.25	464	11.13	283	7/8	22	650	295
4HS11M-9000-20	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,080	490
4HS11M-9000-30	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,120	509
4HS11M-9000-40	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,160	527
4HS11M-11000-15	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,080	490
4HS11M-11000-20	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,120	509
4HS11M-11000-30	18.00	457	—	—	12.50	318	2.75	70	22.00	559	12.50	318	1-3/16	30	1,160	527
4HS16M-13000-20	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,580	717
4HS16M-13000-25	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,640	744
4HS16M-13000-40	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,680	763
4HS16M-16000-10	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,520	690
4HS16M-16000-15	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,580	717
4HS16M-16000-20	20.00	508	10.00	254	13.50	343	2.75	70	27.50	699	16.25	413	1-3/16	30	1,640	744
4HS26M-22000-15	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,130	1,420
4HS26M-22000-25	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,170	1,438
4HS26M-22000-30	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,350	1,520
4HS26M-26000-15	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,130	1,420
4HS26M-26000-20	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,170	1,438
4HS26M-26000-25	26.00	660	13.00	330	18.25	464	3.00	76	36.00	914	21.75	552	1-3/8	35	3,350	1,520

¹ Weight shown without clutch; contact factory for clutch weight.

Dimensions are for reference only and subject to change without notice. Please contact factory for exact dimensions.

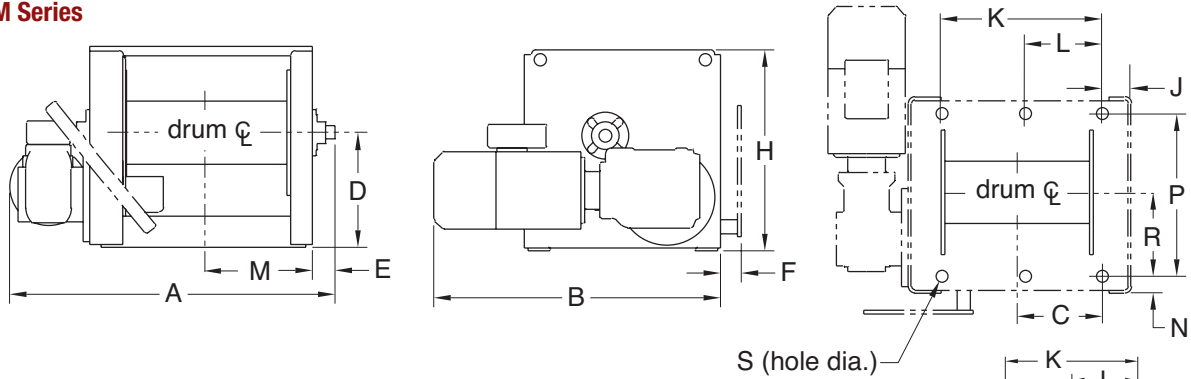


IMPORTANT:

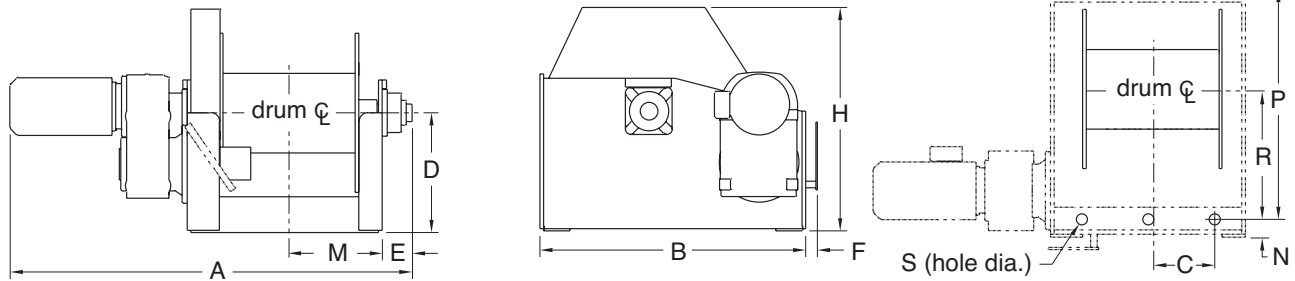
It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.

4HS SERIES POWER WINCHES

4HS6-26M Series



4HS40-56M Series



4HS40-56M Series Winch Dimensions

	A		B		C		D		E		F		G		H	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
4HS40M-33000-20	91.00	2,311	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS40M-33000-30	94.00	2,388	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS40M-33000-40	96.00	2,438	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS40M-40000-20	91.00	2,311	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS40M-40000-25	94.00	2,388	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS40M-40000-35	96.00	2,438	60.00	1,524	14.00	356	27.00	686	6.75	171	2.63	67	24.63	626	51.00	1,295
4HS56M-48000-20	108.00	2,743	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575
4HS56M-48000-30	110.00	2,794	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575
4HS56M-52000-35	113.00	2,870	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575
4HS56M-56000-20	108.00	2,743	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575
4HS56M-56000-25	110.00	2,794	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575
4HS56M-56000-30	113.00	2,870	72.00	1,829	18.00	457	32.00	813	8.75	222	2.63	67	23.13	588	62.00	1,575

	J		K		L		M		N		P		R		S (Hole Dia.)		Ship Wt. ¹	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
4HS40M-33000-20	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,570	2,527
4HS40M-33000-30	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,660	2,568
4HS40M-33000-40	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,800	2,631
4HS40M-40000-20	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,570	2,527
4HS40M-40000-25	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,660	2,568
4HS40M-40000-35	7.00	178	30.00	762	—	—	21.00	533	4.00	102	52.00	1,321	31.50	800	1-3/4	44	5,800	2,631
4HS56M-48000-20	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,220	4,183
4HS56M-48000-30	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,370	4,251
4HS56M-52000-35	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,480	4,301
4HS56M-56000-20	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,220	4,183
4HS56M-56000-25	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,370	4,251
4HS56M-56000-30	7.00	178	36.00	914	18.00	457	25.00	635	4.50	114	63.00	1,600	34.50	876	1-3/4	44	9,480	4,301

Weight shown without clutch; contact factory for clutch weight.

Dimensions are for reference only and subject to change without notice. Please contact factory for exact dimensions.

TERN POWER WINCHES



LIFT 50 TONS, WHAT DO YOU GET? SIMPLE, RESPECT

Mighty and reliable, Tern power winches can lift, hoist, pull or position up to 100,000 lb to handle any task you've got. Our broad range of standard models can be quickly adapted to suit custom applications. Plus our power winches feature top of the line gear reducers, rugged steel construction, load holding brake motors, and legendary performance and craftsmanship.

➤ **CUSTOMIZABLE**

We build to suit. Tern power winches come in a wide variety of base configurations, making it fast and affordable to customize a winch to your application.

➤ **DURABLE**

Tern's heavy duty power winches are built to take the around the clock punishment of hard working jobsites. Everything about them, from fabricated steel frame to industrial strength controls, says "no kid gloves" required.

➤ **EXPERIENCE**

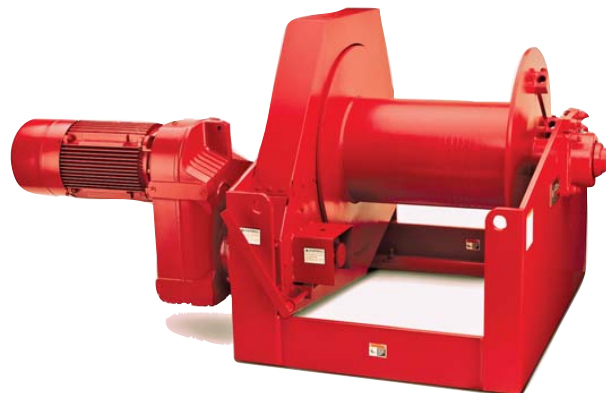
Tern has the experienced people you rely on to get the right product for the job. Our unmatched know-how means you won't end up with a solution that only creates new problems.



Series 4WS



Series 4HS6-26M
Clutch model shown



Series 4HS40-56M
Clutch model shown

TERN POWER WINCHES



ONE IF BY LAND, TERN IF BY SEA

Just because something floats, doesn't mean it isn't heavy. Try raising and lowering accommodation ladders, launching deep water research equipment or towing a vessel. It takes strength, control and stamina. It takes a TERN heavy duty power winch.

WHEN IT COMES TO HANDLING, THERE'S BULK AND THERE'S BULK

Tern power winches are used to pull trains, position barges, or lift behemoth conveyors. Why? They have the muscle and endurance to do it over the long haul without failure.

A MINER'S BEST FRIEND

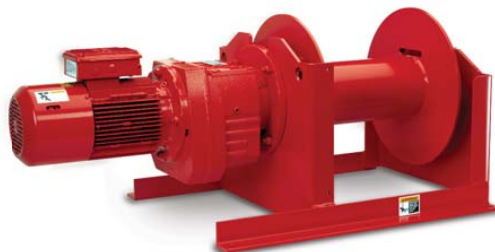
Hard, heavy, dirty. That's everything you need to know about mining. Conditions are poor, mechanical strain constant, and loads a bear, but TERN power winches can handle any task you find in a mine.

POWERFUL ENOUGH FOR POWER PLANTS

Everything about a power plant is big – from steel doors to flare stacks, and it all needs to be lifted, lowered, or positioned. Durable and easily customized, TERN power winches help keep power plants running.



Series 4HWF



Series 4HPF



Series 4HPFC
Clutch model shown