

POWER WINCHES HEAVY DUTY

4HS Series - 5000 to 56,000 lb capacity

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 brake motor.

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 control.

DUAL STAGE GEARING

comprised of a helical/bevel or helical/parallel and 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 an 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 Thern.

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

HEAVY DUTY POWER WINCHES

5000 to 56,000 lb capacity - 4HS Series

Model	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.

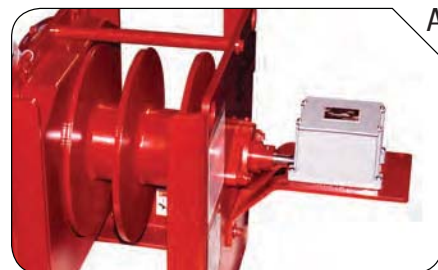
DUTY RATINGS include IEEE 45 marine duty, tropical duty, severe duty and explosion proof ratings.

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.



These products are not for lifting people, or things over people.

FLCL-0618

POWER WINCHES HEAVY DUTY

4HS Series Performance Characteristics

Model	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	5100	2314	3800	1725	3100	1407	13	4.0	22	6.7
4HS6M	5000	20	D, E, F	C	3	5100	2314	3800	1725	3100	1407	20	6.1	33	10.1
4HS6M	5000	30	D, E, F	C	5	5100	2314	3800	1725	3100	1407	33	10.1	55	16.8
4HS6M	6600	15	D, E, F	C	3	6600	2994	5000	2269	4000	1815	15	4.6	25	7.6
4HS6M	6600	25	D, E, F	C	5	6600	2994	4900	2224	4000	1815	25	7.6	41	12.5
4HS6M	6600	40	D, E, F	C	7.5	6600	2994	5000	2269	4000	1815	39	11.9	64	19.5
4HS11M	9000	20	D, E, F	C	5	9000	4083	6200	2814	4700	2132	19	5.8	35	10.7
4HS11M	9000	30	D, E, F	C	7.5	9000	4083	6200	2814	4700	2132	27	8.2	51	15.5
4HS11M	9000	40	D, E, F	C	10	9000	4083	6200	2814	4700	2132	37	11.3	70	21.3
4HS11M	11000	15	D, E, F	C	5	11,000	4990	7600	3449	5800	2631	15	4.6	28	8.5
4HS11M	11000	20	D, E, F	C	7.5	11,000	4990	7600	3449	5800	2631	21	6.4	40	12.2
4HS11M	11000	30	D, E, F	C	10	11,000	4990	7600	3449	5800	2631	27	8.2	51	15.5
4HS16M	13000	20	D, E, F	C	7.5	13,000	5897	8900	4039	6700	3040	19	5.8	37	11.3
4HS16M	13000	25	D, E, F	C	10	13,000	5897	8900	4039	6700	3040	24	7.3	46	14.0
4HS16M	13000	40	D, E, F	C	15	13,000	5897	8900	4039	6700	3040	37	11.3	72	21.9
4HS16M	16000	10	D, E, F	C	5	16,100	7303	11,000	4992	8300	3765	11	3.4	21	6.4
4HS16M	16000	15	D, E, F	C	7.5	16,000	7258	10,900	4947	8300	3765	16	4.9	30	9.1
4HS16M	16000	20	D, E, F	C	10	16,100	7303	11,000	4992	8300	3765	20	6.1	38	11.6
4HS26M	22000	15	D, E, F	C	10	22,000	9980	16,200	7352	12,800	5807	16	4.9	27	8.2
4HS26M	22000	25	D, E, F	C	15	22,000	9980	16,100	7307	12,700	5761	23	7.0	40	12.2
4HS26M	22000	30	D, E, F	C	20	22,900	10,388	16,800	7624	13,200	5988	29	8.8	50	15.2
4HS26M	26000	15	D, E, F	C	10	26,000	11,794	19,000	8623	15,000	6804	13	4.0	23	7.0
4HS26M	26000	20	D, E, F	C	15	26,000	11,794	19,000	8623	15,100	6850	19	5.8	33	10.1
4HS26M	26000	25	D, E, F	C	20	26,000	11,794	19,100	8668	15,000	6804	26	7.9	45	13.7
4HS40M	33000	20	D, E, F	C	20	33,100	15,015	24,100	10,937	18,900	8574	19	5.8	34	10.4
4HS40M	33000	30	D, E, F	C	30	33,000	14,969	24,100	10,937	18,900	8574	29	8.8	51	15.5
4HS40M	33000	40	D, E, F	C	40	33,100	15,015	24,100	10,937	18,900	8574	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 Thern or nearest Thern Distributor for firm fixed price and delivery.

Motor Codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages, please contact Thern.	

Electric Motor Controls

Model	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 X rated pendant control on 50 foot cord. Motor Controls sold separately. Please contact Thern or nearest Thern Distributor for firm, fixed price and delivery. All prices include mounting and wiring to motor.

4HS Series Drum Dimensions

Model	Drum Diameter (ID)		Flange Diameter (OD)		Drum Width (W)		Fleet Angle Dist (A) ³	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)
4HS6M	7	178	14	356	18	457	29	8.8
4HS11M	9	229	20	508	18	457	29	8.8
4HS16M	10.75	273	24	610	20	508	32	9.8
4HS26M	14	356	28	711	26	660	42	12.8
4HS40M	18	457	36	914	30	762	48	14.6
4HS56M	24	610	43	1092	36	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 Thern for exact dimensions.



HEAVY DUTY POWER WINCHES

4HS Series Drum Capacities

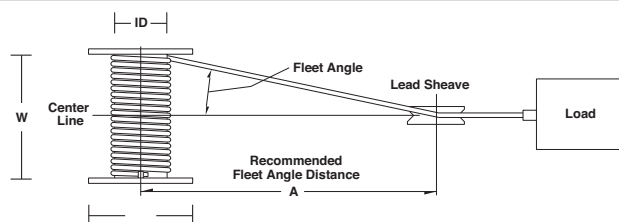
Wire Rope Dia.		Breaking Strength ⁴		Drum Capacity	4HS6M		4HS11M		4HS16M		4HS26M		4HS40M		4HS56M	
(in)	(mm)	(lb)	(kg)		(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)
$\frac{3}{8}$	9.7	15,100	6849	1st	80	24.4	-	-	-	-	-	-	-	-	-	-
				Mid	380	115.8	-	-	-	-	-	-	-	-	-	-
				Full	850	259.1	-	-	-	-	-	-	-	-	-	-
$\frac{7}{16}$	11.2	20,400	9254	1st	68	20.7	-	-	-	-	-	-	-	-	-	-
				Mid	290	88.4	-	-	-	-	-	-	-	-	-	-
				Full	640	195.1	-	-	-	-	-	-	-	-	-	-
$\frac{1}{2}$	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	-	-	-	-	-	-	-	-
$\frac{9}{16}$	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	-	-	-	-	-	-
$\frac{5}{8}$	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	-	-	-	-	-	-
$\frac{3}{4}$	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	-	-	-	-	-	-
$\frac{7}{8}$	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- $\frac{1}{8}$	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- $\frac{1}{4}$	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- $\frac{3}{8}$	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- $\frac{1}{2}$	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- $\frac{5}{8}$	41.3	264,000	119,750	1st	-	-	-	-	-	-	-	-	-	-	110	33.5
				Mid	-	-	-	-	-	-	-	-	-	-	430	131.1
				Full	-	-	-	-	-	-	-	-	-	-	950	289.6
1- $\frac{3}{4}$	44.5	306,000	138,800	1st	-	-	-	-	-	-	-	-	-	-	110	33.5
				Mid	-	-	-	-	-	-	-	-	-	-	370	112.8
				Full	-	-	-	-	-	-	-	-	-	-	820	249.9
1- $\frac{7}{8}$	47.7	348,000	157,851	1st	-	-	-	-	-	-	-	-	-	-	97	29.6
				Mid	-	-	-	-	-	-	-	-	-	-	320	97.5
				Full	-	-	-	-	-	-	-	-	-	-	720	219.5

⁴ Values 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 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.



These products are not for lifting people, or things over people.

FLCL-0618

Thern
Winches & Cranes

POWER WINCHES HEAVY DUTY

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

Model	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	914	27.25	692	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS6M-5000-20	36	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS6M-5000-30	36	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS6M-6600-15	36	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS6M-6600-25	36	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS6M-6600-40	36	914	29.25	743	8.63	219	12.88	327	2.47	63	2.28	58	16.31	414	22.5	572	3.25	83
4HS11M-9000-20	41	1041	31.75	806	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS11M-9000-30	41.5	1054	34.75	883	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS11M-9000-40	42.5	1080	37	940	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS11M-11000-15	41	1041	31.75	806	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS11M-11000-20	41.5	1054	34.75	883	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS11M-11000-30	42.5	1080	37	940	8.5	216	17.75	451	5.13	130	2.38	60	18.44	468	31	787	4	102
4HS16M-13000-20	46	1168	37.5	953	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS16M-13000-25	47	1194	39.5	1003	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS16M-13000-40	47	1194	42	1067	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS16M-16000-10	46	1168	34.5	876	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS16M-16000-15	46	1168	37.5	953	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS16M-16000-20	47	1194	39.5	1003	9.5	241	20	508	6.25	159	2.00	51	18.94	481	34	864	4	102
4HS26M-22000-15	60.5	1537	42.5	1080	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	5.88	149
4HS26M-22000-25	60.5	1537	45	1143	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	5.88	149
4HS26M-22000-30	60.5	1537	48.5	1232	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	5.88	149
4HS26M-26000-15	60.5	1537	42.5	1080	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	5.88	149
4HS26M-26000-20	60.5	1537	45	1143	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	5.88	149
4HS26M-26000-25	60.5	1537	48.5	1232	12.38	314	25.38	645	8.06	205	2.44	62	21	533	44.5	1130	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	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	570	259
4HS6M-5000-20	18	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	590	268
4HS6M-5000-30	18	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	590	268
4HS6M-6600-15	18	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	590	268
4HS6M-6600-25	18	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	590	268
4HS6M-6600-40	18	457	-	-	11.88	302	1.88	48	18.25	464	11.13	283	$\frac{7}{8}$	22	650	295
4HS11M-9000-20	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1080	490
4HS11M-9000-30	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1120	509
4HS11M-9000-40	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1160	527
4HS11M-11000-15	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1080	490
4HS11M-11000-20	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1120	509
4HS11M-11000-30	18	457	-	-	12.5	318	2.75	70	22	559	12.5	318	$1\frac{3}{16}$	30	1160	527
4HS16M-13000-20	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1580	717
4HS16M-13000-25	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1640	744
4HS16M-13000-40	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1680	763
4HS16M-16000-10	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1520	690
4HS16M-16000-15	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1580	717
4HS16M-16000-20	20	508	10	254	13.5	343	2.75	70	27.5	699	16.25	413	$1\frac{3}{16}$	30	1640	744
4HS26M-22000-15	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3130	1420
4HS26M-22000-25	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3170	1438
4HS26M-22000-30	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3350	1520
4HS26M-26000-15	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3130	1420
4HS26M-26000-20	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3170	1438
4HS26M-26000-25	26	660	13	330	18.25	464	3.00	76	36	914	21.75	552	$1\frac{3}{8}$	35	3350	1520

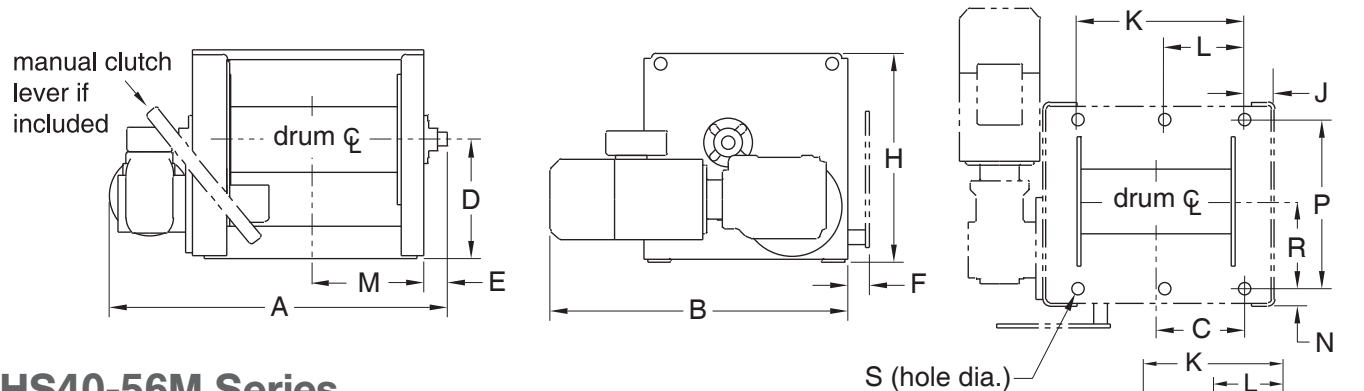
¹ Weight shown without clutch; contact Thern for clutch weight.

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

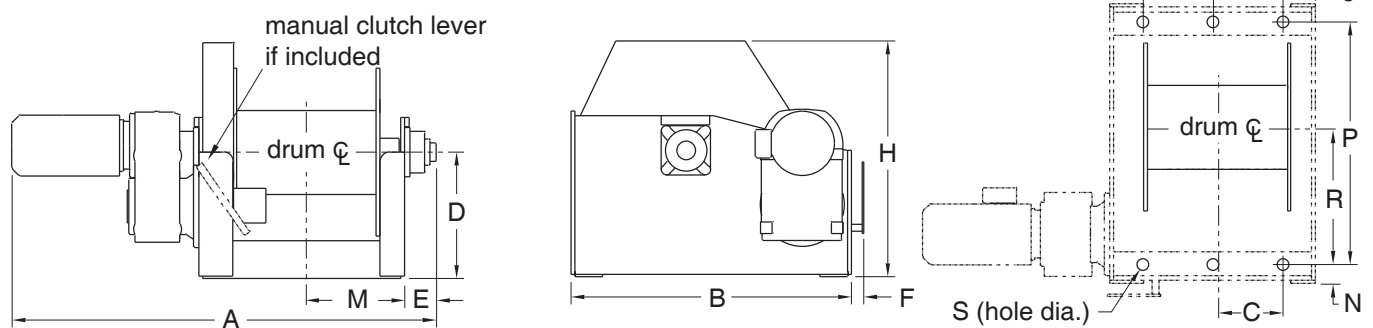
IMPORTANT:

It is the owner 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.

4HS6-26M Series



4HS40-56M Series



4HS40-56M Series Winch Dimensions

Model	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	2311	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS40M-33000-30	94	2388	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS40M-33000-40	96	2438	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS40M-40000-20	91	2311	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS40M-40000-25	94	2388	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS40M-40000-35	96	2438	60	1524	14	356	27	686	6.75	171	2.63	67	24.63	626	51	1295
4HS56M-48000-20	108	2743	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575
4HS56M-48000-30	110	2794	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575
4HS56M-52000-35	113	2870	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575
4HS56M-56000-20	108	2743	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575
4HS56M-56000-25	110	2794	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575
4HS56M-56000-30	113	2870	72	1829	18	457	32	813	8.75	222	2.63	67	23.13	588	62	1575

	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	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5570	2527
4HS40M-33000-30	7	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5660	2568
4HS40M-33000-40	7	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5800	2631
4HS40M-40000-20	7	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5570	2527
4HS40M-40000-25	7	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5660	2568
4HS40M-40000-35	7	178	30	762	-	-	21	533	4	102	52	1321	31.5	800	1-3/4	44	5800	2631
4HS56M-48000-20	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9220	4183
4HS56M-48000-30	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9370	4251
4HS56M-52000-35	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9480	4301
4HS56M-56000-20	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9220	4183
4HS56M-56000-25	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9370	4251
4HS56M-56000-30	7	178	36	914	18	457	25	635	4.5	114	63	1600	34.5	876	1-3/4	44	9480	4301

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

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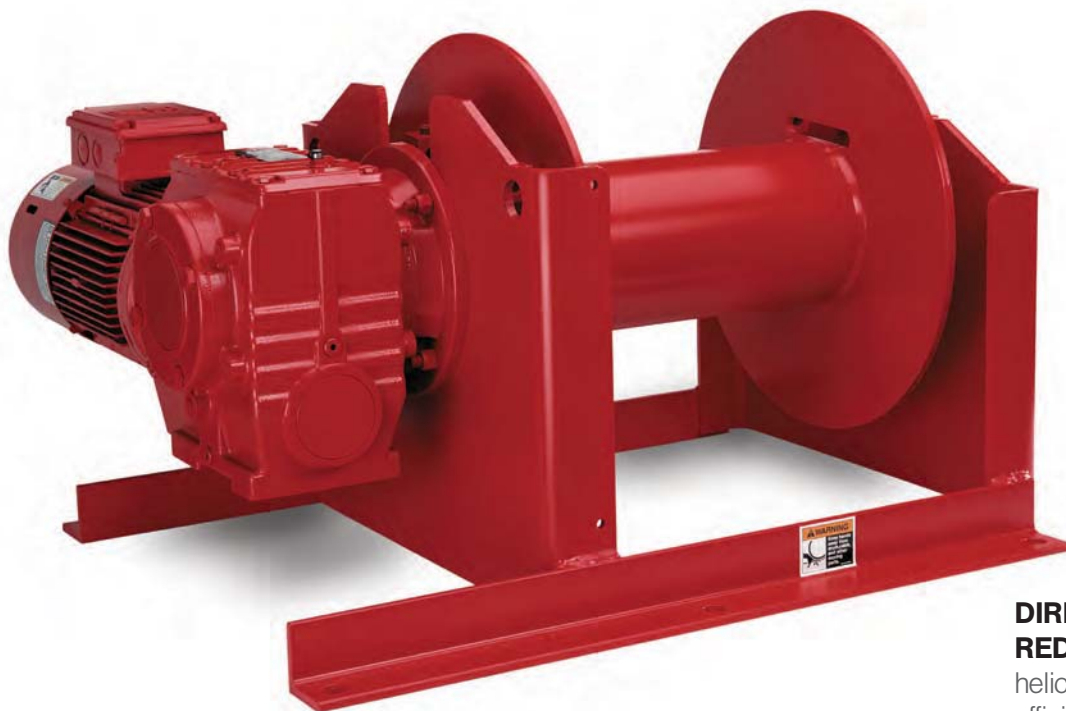


These products are not for lifting people, or things over people.

POWER WINCHES HEAVY DUTY

4HWF Series - 1500 to 8000 lb capacity

Thern 4HWF series power winches feature helical/worm gearing making them ideal for applications requiring secure load control and accurate positioning. The enclosed, direct-drive gearing design delivers dependable operation and helps reduce maintenance, while a modular design means we can easily customize these winches to meet your exact specifications.



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 for uniform loading.

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 brake motor.

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 control.

DIRECT DRIVE GEAR REDUCERS, comprised of helical/worm gears, deliver lower efficiencies from 65% to 76% making winches well suited for applications requiring secure load control and accurate positioning.

The heat treated helical/worm gear set provides improved durability and operates in an 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.

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

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