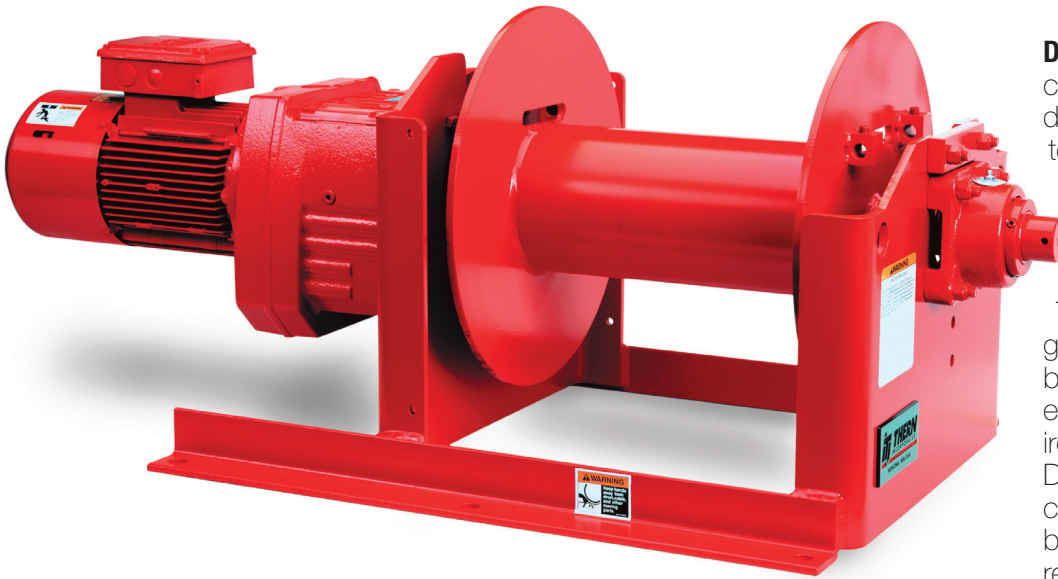


# 4HPF SERIES POWER WINCHES

Thern 4HPF series power winches feature helical/parallel, high efficiency gearing making them ideal for applications requiring long travel distances and faster line speeds. 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 MOUNTED MOTOR** is a 230/460 volt 3 phase, 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 control.

**DIRECT DRIVE GEAR REDUCERS**, comprised of helical/parallel gears, deliver high efficiencies from 88% to 94% making winches well suited for applications requiring long travel distances and faster line speeds.

The heat treated 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.

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

**EXTENDED SOLID STEEL DRUM SHAFT** for uniform loading.

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

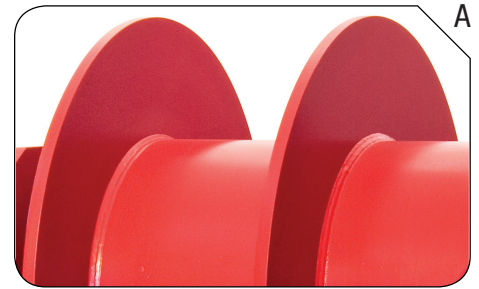
**WELDED STEEL DRUM** with outside flange anchors allow for uniform winding and help extend life of wire rope. Anchors allow cable to be over wound or under wound from either side of the drum.

**WIRE ROPE ASSEMBLIES** sold separately per customer request.

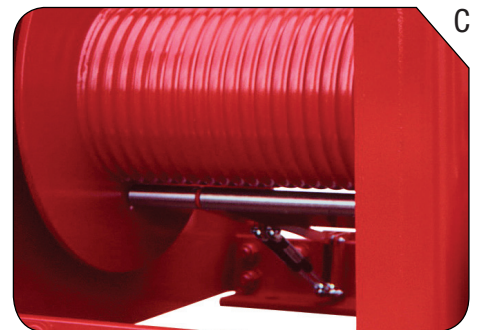
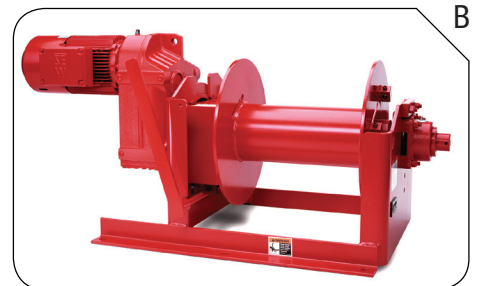
**2 YEAR "MOVE IT WITH CONFIDENCE" LIMITED WARRANTY** leads the industry.

# 4HPF SERIES POWER WINCHES

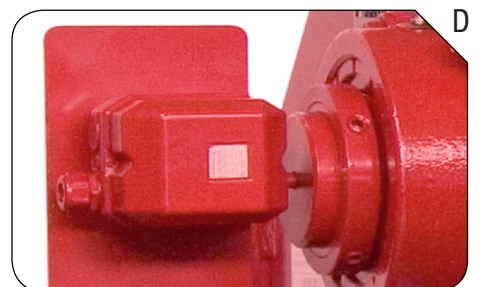
	Clutch Option	HP	Load Rating	Line Speed
4HPF2M	x	1 - 2	2,000 lb	20 - 35 fpm
4HPF3M	x	1.5 - 3	3,000 lb	20 - 35 fpm
4HPF5M	x	3 - 5	5,000 lb	20 - 35 fpm
4HPF7M	x	5 - 7.5	7,000 lb	25 - 40 fpm
4HPF9M	x	5 - 10	9,000 lb	20 - 40 fpm
4HPF15M	x	10 - 15	15,000 lb	20 - 35 fpm
4HPF20M		10 - 25	20,000 lb	20 - 40 fpm
4HPF25M		15 - 30	25,000 lb	20 - 40 fpm



Shown with double compartment drum modification.



Shown with cable pressure bar and grooved drum modification.



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

**CORROSION RESISTANT FINISHES** for harsh or hazardous environments.

**MANUAL OVERRIDES** for winch operation in power loss situations.

# 4HPF SERIES POWER WINCHES

## 4HPF Series Performance Characteristics

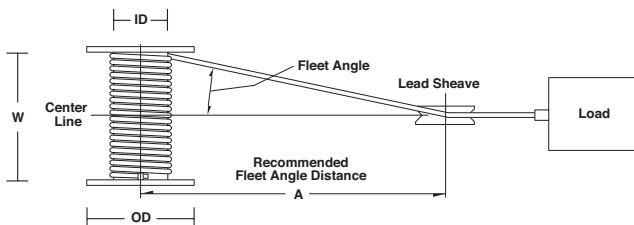
	Model Number Extensions			Motor hp	Load Rating						Line Speed			
	Load Rating	Line Speed	Motor Codes <sup>1</sup>		1st Layer		Mid Drum		Full Drum		1st Layer		Full Drum	
	(lb)	(fpm)			(lb)	(kg)	(lb)	(kg)	(lb)	(kg)	(fpm)	(mpm)	(fpm)	(mpm)
4HPF2M	2000	20	D, E, F	1	2,100	953	1,300	590	1,000	454	17	5.2	38	11.6
4HPF2M	2000	35	D, E, F	2	2,100	953	1,300	590	1,000	454	34	10.4	76	23.2
4HPF3M	3000	20	D, E, F	1.5	3,000	1,361	2,100	953	1,600	726	19	5.8	33	10.1
4HPF3M	3000	35	D, E, F	3	3,300	1,497	2,300	1,044	1,800	817	33	10.1	59	18.0
4HPF5M	5000	20	D, E, F	3	5,000	2,268	3,100	1,407	2,300	1,044	22	6.7	49	14.9
4HPF5M	5000	35	D, E, F	5	5,000	2,268	3,100	1,407	2,300	1,044	37	11.3	81	24.7
4HPF7M	7000	25	D, E, F	5	7,300	3,312	5,400	2,450	4,300	1,951	24	7.3	40	12.2
4HPF7M	7000	40	D, E, F	7.5	7,300	3,312	5,400	2,450	4,300	1,951	38	11.6	64	19.5
4HPF9M	9000	20	D, E, F	5	9,000	4,083	6,500	2,949	5,100	2,314	21	6.4	37	11.3
4HPF9M	9000	40	D, E, F	10	9,000	4,083	6,500	2,949	5,100	2,314	41	12.5	73	22.3
4HPF15M	15000	25	D, E, F	10	14,300	6,487	10,900	4,945	8,800	3,992	26	7.9	41	12.5
4HPF15M	15000	35	D, E, F	15	15,100	6,850	11,500	5,217	9,300	4,219	36	11.0	59	18.0
4HPF20M	20000	20	D, E, F	10	20,100	9,118	14,100	6,396	10,800	4,899	17	5.2	31	9.4
4HPF20M	20000	40	D, E, F	25	20,100	9,118	14,000	6,351	10,800	4,899	43	13.1	81	24.7
4HPF25M	25000	20	D, E, F	15	25,200	11,431	19,200	8,710	15,500	7,031	20	6.1	32	9.8
4HPF25M	25000	40	D, E, F	30	25,000	11,340	19,000	8,619	15,400	6,986	42	12.8	68	20.7
4HPF2MC	2000	20	D, E, F	1	2,100	953	1,300	590	1,000	454	17	5.2	38	11.6
4HPF2MC	2000	35	D, E, F	2	2,100	953	1,300	590	1,000	454	34	10.4	75	22.9
4HPF3MC	3000	20	D, E, F	1.5	3,300	1,497	2,300	1,044	1,800	817	17	5.2	60	18.3
4HPF3MC	3000	35	D, E, F	3	3,300	1,497	2,300	1,044	1,800	817	34	10.4	61	18.6
4HPF5MC	5000	20	D, E, F	3	5,000	2,268	3,100	1,407	2,300	1,044	21	6.4	45	13.7
4HPF5MC	5000	35	D, E, F	5	5,000	2,268	3,100	1,407	2,300	1,044	36	11.0	80	24.4
4HPF7MC	7000	25	D, E, F	5	7,300	3,312	5,400	2,450	4,300	1,951	25	7.6	42	12.8
4HPF7MC	7000	35	D, E, F	7.5	7,300	3,312	5,400	2,450	4,300	1,951	36	11.0	61	18.6
4HPF9MC	9000	20	D, E, F	5	9,000	4,083	6,500	2,949	5,100	2,314	21	6.4	37	11.3
4HPF9MC	9000	40	D, E, F	10	9,000	4,083	6,500	2,949	5,100	2,314	41	12.5	73	22.3
4HPF15MC	15000	20	D, E, F	10	15,100	6,850	11,500	5,217	9,300	4,219	22	6.7	36	11.0
4HPF15MC	15000	35	D, E, F	15	15,200	6,895	11,600	5,262	9,400	4,264	35	10.7	57	17.4

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

## 4HPF Series Drum Dimensions

	Drum Diameter (ID)		Flange Diameter (OD)		Drum Width (W)		Fleet Angle Dist (A) <sup>2</sup>	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)
4HPF2M	4.50	114	12.00	305	10.00	254	16	4.9
4HPF3M	5.50	140	12.00	305	10.00	254	16	4.9
4HPF5M	7.00	178	18.00	457	16.00	406	26	7.9
4HPF7M	9.00	229	18.00	457	16.00	406	26	7.9
4HPF9M	10.75	273	22.00	559	20.00	508	32	9.8
4HPF15M	11.50	292	22.00	559	20.00	508	32	9.8
4HPF20M	14.00	356	30.00	762	30.00	762	48	14.6
4HPF25M	16.00	406	30.00	762	30.00	762	48	14.6

<sup>2</sup> 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.



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



## 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

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.

# 4HPF SERIES POWER WINCHES

## 4HPF Series Drum Capacities

Wire Rope Dia.		Breaking Strength <sup>3</sup>		Drum Capacity	4HPF2M		4HPF3M		4HPF5M		4HPF7M		4HPF9M		4HPF15M		4HPF20M		4HPF25M	
(in)	(mm)	(lb)	(kg)		(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)
1/4	6.4	7,000 <sup>4</sup>	3,175	1st	43	13.1	51	15.5	—	—	—	—	—	—	—	—	—	—	—	—
				Mid	370	112.8	340	103.6	—	—	—	—	—	—	—	—	—	—	—	—
				Full	830	253.0	750	228.6	—	—	—	—	—	—	—	—	—	—	—	—
5/16	7.9	9,800 <sup>4</sup>	4,445	1st	34	10.4	41	12.5	87	26.5	—	—	—	—	—	—	—	—	—	—
				Mid	250	76.2	230	70.1	950	289.6	—	—	—	—	—	—	—	—	—	—
				Full	560	170.7	500	152.4	2,120	646.2	—	—	—	—	—	—	—	—	—	—
3/8	9.7	15,100	6,849	1st	27	8.2	33	10.1	70	21.3	—	—	—	—	—	—	—	—	—	—
				Mid	180	54.9	160	48.8	680	207.3	—	—	—	—	—	—	—	—	—	—
				Full	400	121.9	360	109.7	1,520	463.3	—	—	—	—	—	—	—	—	—	—
7/16	11.2	20,400	9,254	1st	23	7.0	28	8.5	60	18.3	76	23.2	—	—	—	—	—	—	—	—
				Mid	130	39.6	120	36.6	510	155.4	450	137.2	—	—	—	—	—	—	—	—
				Full	300	91.4	270	82.3	1,140	347.5	990	301.8	—	—	—	—	—	—	—	—
1/2	12.7	26,600	12,066	1st	—	—	—	—	52	15	66	20.1	—	—	—	—	—	—	—	—
				Mid	—	—	—	—	400	121	350	106.7	—	—	—	—	—	—	—	—
				Full	—	—	—	—	890	271	770	234.7	—	—	—	—	—	—	—	—
9/16	14.2	33,600	15,240	1st	—	—	—	—	46	14.0	58	17.7	89	27.1	—	—	—	—	—	—
				Mid	—	—	—	—	320	97.5	280	85.3	540	164.6	—	—	—	—	—	—
				Full	—	—	—	—	710	216.4	620	189.0	1,210	368.8	—	—	—	—	—	—
5/8	16.0	41,200	18,688	1st	—	—	—	—	—	—	51	15.5	78	23.8	84	25.6	—	—	—	—
				Mid	—	—	—	—	—	—	230	70.1	440	134.1	420	128.0	—	—	—	—
				Full	—	—	—	—	—	—	510	155.5	990	301.8	940	286.5	—	—	—	—
3/4	19.1	58,800	26,671	1st	—	—	—	—	—	—	—	—	65	19.8	69	21.0	130	39.6	—	—
				Mid	—	—	—	—	—	—	—	—	310	94.5	300	91.4	930	283.5	—	—
				Full	—	—	—	—	—	—	—	—	700	213.4	660	201.2	2,070	630.9	—	—
7/8	22.4	79,600	36,106	1st	—	—	—	—	—	—	—	—	54	16.5	57	17.4	110	33.5	—	—
				Mid	—	—	—	—	—	—	—	—	230	70.1	210	64.0	670	204.2	—	—
				Full	—	—	—	—	—	—	—	—	500	152.4	480	146.3	1,490	454.2	—	—
1	25.4	103,400	46,902	1st	—	—	—	—	—	—	—	—	47	14.3	57	17.4	97	29.6	110	33.5
				Mid	—	—	—	—	—	—	—	—	180	54.9	210	64.0	520	158.5	470	143.3
				Full	—	—	—	—	—	—	—	—	390	118.9	480	146.3	1,160	353.6	1,050	320.0
1-1/8	28.7	130,000	58,968	1st	—	—	—	—	—	—	—	—	—	—	—	—	85	25.9	96	29.3
				Mid	—	—	—	—	—	—	—	—	—	—	—	—	420	128.0	380	115.8
				Full	—	—	—	—	—	—	—	—	—	—	—	—	920	280.4	840	256.0
1-1/4	31.8	159,800	72,485	1st	—	—	—	—	—	—	—	—	—	—	—	—	76	23.2	86	26.2
				Mid	—	—	—	—	—	—	—	—	—	—	—	—	330	100.6	300	91.4
				Full	—	—	—	—	—	—	—	—	—	—	—	—	740	225.6	670	204.2
1-3/8	34.9	192,000	87,090	1st	—	—	—	—	—	—	—	—	—	—	—	—	68	20.7	76	23.2
				Mid	—	—	—	—	—	—	—	—	—	—	—	—	280	85.3	250	76.2
				Full	—	—	—	—	—	—	—	—	—	—	—	—	610	185.9	560	170.7
1-1/2	38.1	228,000	103,420	1st	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69	21.0
				Mid	—	—	—	—	—	—	—	—	—	—	—	—	—	—	210	64.0
				Full	—	—	—	—	—	—	—	—	—	—	—	—	—	—	470	143.3

<sup>3</sup> Values based on 6x37 IWRC EIPS wire rope.

<sup>4</sup> Values based on 7x19 galvanized aircraft cable.

**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.

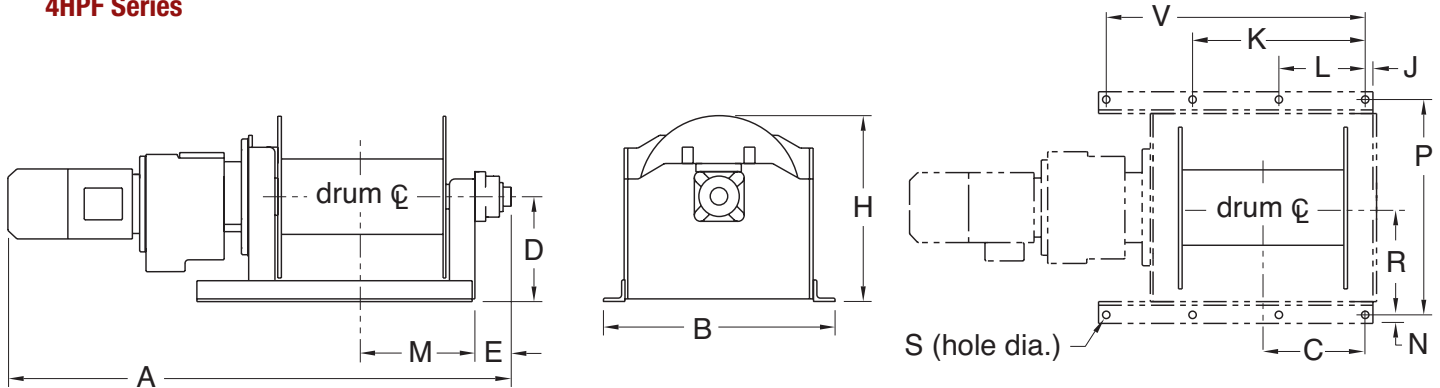


### IMPORTANT:

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.

# 4HPF SERIES POWER WINCHES

## 4HPF Series



## 4HPF Series Winch Dimensions

	A		B		C		D		E		H		J		K	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
4HPF2M-2000-20	37.50	953	17.00	432	6.56	167	8.00	203	2.38	60	14.50	368	1.00	25	20.00	508
4HPF2M-2000-35	39.00	991	17.00	432	6.56	167	8.00	203	2.38	60	14.50	368	1.00	25	20.00	508
4HPF3M-3000-20	42.00	1,067	17.00	432	6.56	167	8.00	203	2.38	60	14.25	362	1.00	25	20.00	508
4HPF3M-3000-35	42.00	1,067	17.00	432	6.56	167	8.00	203	2.38	60	14.25	362	1.00	25	20.00	508
4HPF5M-5000-20	54.50	1,384	26.00	660	9.63	245	12.00	305	5.13	130	21.00	533	1.00	25	30.50	775
4HPF5M-5000-35	54.50	1,384	26.00	660	9.63	245	12.00	305	5.13	130	21.00	533	1.00	25	30.50	775
4HPF7M-7000-25	56.00	1,422	26.00	660	9.63	245	12.00	305	5.13	130	21.00	533	1.00	25	30.50	775
4HPF7M-7000-40	59.00	1,499	26.00	660	9.63	245	12.00	305	5.13	130	21.00	533	1.00	25	30.50	775
4HPF9M-9000-20	64.50	1,638	31.00	787	12.00	305	14.50	368	6.25	159	25.50	648	1.25	32	26.50	673
4HPF9M-9000-40	69.50	1,765	31.00	787	12.00	305	14.50	368	6.25	159	25.50	648	1.25	32	26.50	673
4HPF15M-15000-25	71.50	1,816	31.00	787	12.00	305	14.50	368	6.25	159	25.50	648	1.25	32	26.50	673
4HPF15M-15000-35	74.00	1,880	31.00	787	12.00	305	14.50	368	6.25	159	25.50	648	1.25	32	26.50	673
4HPF20M-20000-20	90.00	2,286	43.00	1,092	18.88	480	19.50	495	6.75	171	34.50	876	1.50	38	32.00	813
4HPF20M-20000-40	97.00	2,464	43.00	1,092	18.88	480	19.50	495	6.75	171	34.50	876	1.50	38	32.00	813
4HPF25M-25000-20	94.00	2,388	43.00	1,092	18.88	480	19.50	495	6.75	171	34.50	876	1.50	38	32.00	813
4HPF25M-25000-40	100.00	2,540	43.00	1,092	18.88	480	19.50	495	6.75	171	34.50	876	1.50	38	32.00	813

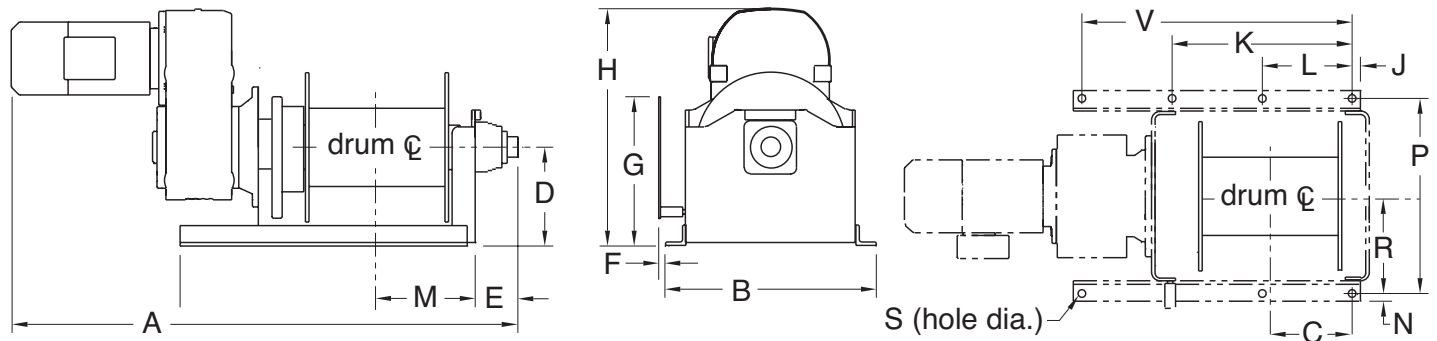
	L		M		N		P		R		S (Hole Dia.)		V		Ship Wt.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
4HPF2M-2000-20	10.00	254	7.56	192	0.63	16	15.75	400	7.86	200	<sup>19</sup> / <sub>32</sub>	15	—	—	170	78
4HPF2M-2000-35	10.00	254	7.56	192	0.63	16	15.75	400	7.86	200	<sup>19</sup> / <sub>32</sub>	15	—	—	200	91
4HPF3M-3000-20	10.00	254	7.56	192	0.63	16	15.75	400	7.86	200	<sup>19</sup> / <sub>32</sub>	15	—	—	250	114
4HPF3M-3000-35	10.00	254	7.56	192	0.63	16	15.75	400	7.86	200	<sup>19</sup> / <sub>32</sub>	15	—	—	260	118
4HPF5M-5000-20	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	<sup>7</sup> / <sub>8</sub>	22	—	—	500	227
4HPF5M-5000-35	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	<sup>7</sup> / <sub>8</sub>	22	—	—	500	227
4HPF7M-7000-25	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	<sup>7</sup> / <sub>8</sub>	22	—	—	650	295
4HPF7M-7000-40	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	<sup>7</sup> / <sub>8</sub>	22	—	—	760	345
4HPF9M-9000-20	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1 <sup>1</sup> / <sub>8</sub>	29	39.75	1,010	1,000	454
4HPF9M-9000-40	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1 <sup>1</sup> / <sub>8</sub>	29	39.75	1,010	1,120	509
4HPF15M-15000-25	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1 <sup>1</sup> / <sub>8</sub>	29	39.75	1,010	1,340	608
4HPF15M-15000-35	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1 <sup>1</sup> / <sub>8</sub>	29	39.75	1,010	1,370	622
4HPF20M-20000-20	16.00	406	21.00	533	1.50	38	40.00	1,016	20.00	508	1 <sup>3</sup> / <sub>8</sub>	35	48.00	1,219	2,400	1,089
4HPF20M-20000-40	16.00	406	21.00	533	1.50	38	40.00	1,016	20.00	508	1 <sup>3</sup> / <sub>8</sub>	35	48.00	1,219	2,620	1,189
4HPF25M-25000-20	16.00	406	21.00	533	1.50	38	40.00	1,016	20.00	508	1 <sup>3</sup> / <sub>8</sub>	35	48.00	1,219	3,190	1,447
4HPF25M-25000-40	16.00	406	21.00	533	1.50	38	40.00	1,016	20.00	508	1 <sup>3</sup> / <sub>8</sub>	35	48.00	1,219	3,440	1,561

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



# 4HPF SERIES POWER WINCHES

## 4HPFC Series



## 4HPFC Series Winch Dimensions

	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)
4HPF2MC-2000-20	38.50	978	17.00	432	6.00	152	8.00	203	2.38	60	0.88	23	19.88	505	17.00	432	1.00	25
4HPF2MC-2000-35	40.00	1,016	17.00	432	6.00	152	8.00	203	2.38	60	0.88	23	19.88	505	17.00	432	1.00	25
4HPF3MC-3000-20	41.00	1,041	17.00	432	6.00	152	8.00	203	2.38	60	0.88	23	19.88	505	18.25	464	1.00	25
4HPF3MC-3000-35	43.00	1,092	17.00	432	6.00	152	8.00	203	2.38	60	0.88	23	19.88	505	18.25	464	1.00	25
4HPF5MC-5000-20	55.00	1,397	26.00	660	9.63	245	12.00	305	5.13	130	—	—	22.25	565	24.25	616	1.00	25
4HPF5MC-5000-35	55.00	1,397	26.00	660	9.63	245	12.00	305	5.13	130	—	—	22.25	565	24.25	616	1.00	25
4HPF7MC-7000-25	56.00	1,422	26.00	660	9.63	245	12.00	305	5.13	130	—	—	22.25	565	27.00	686	1.00	25
4HPF7MC-7000-40	58.50	1,486	26.00	660	9.63	245	12.00	305	5.13	130	—	—	22.25	565	27.00	686	1.00	25
4HPF9MC-9000-20	66.00	1,676	31.00	787	12.00	305	14.50	368	6.25	159	—	—	22.00	559	32.00	813	1.25	32
4HPF9MC-9000-40	71.00	1,803	31.00	787	12.00	305	14.50	368	6.25	159	—	—	22.00	559	32.00	813	1.25	32
4HPF15MC-15000-25	72.50	1,842	31.00	787	12.00	305	14.50	368	6.25	159	—	—	22.00	559	35.00	889	1.25	32
4HPF15MC-15000-35	74.50	1,892	31.00	787	12.00	305	14.50	368	6.25	159	—	—	22.00	559	35.00	889	1.25	32

	K		L		M		N		P		R		S (Hole Dia.)		V		Ship Wt.	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb)	(kg)
4HPF2MC-2000-20	20.00	508	10.00	254	7.56	192	0.63	16	15.75	400	7.88	200	19/32	15	—	—	270	123
4HPF2MC-2000-35	20.00	508	10.00	254	7.56	192	0.63	16	15.75	400	7.88	200	19/32	15	—	—	300	137
4HPF3MC-3000-20	20.00	508	10.00	254	7.56	192	0.63	16	15.75	400	7.88	200	19/32	15	—	—	280	128
4HPF3MC-3000-35	20.00	508	10.00	254	7.56	192	0.63	16	15.75	400	7.88	200	19/32	15	—	—	300	137
4HPF5MC-5000-20	30.50	775	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	7/8	22	—	—	550	250
4HPF5MC-5000-35	30.50	775	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	7/8	22	—	—	550	250
4HPF7MC-7000-25	30.50	775	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	7/8	22	—	—	700	318
4HPF7MC-7000-40	30.50	775	15.25	387	11.50	292	1.00	25	24.00	610	12.00	305	7/8	22	—	—	760	345
4HPF9MC-9000-20	26.50	673	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1-1/8	29	39.75	1,010	1,250	567
4HPF9MC-9000-40	26.50	673	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1-1/8	29	39.75	1,010	1,360	617
4HPF15MC-15000-25	26.50	673	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1-1/8	29	39.75	1,010	1,580	717
4HPF15MC-15000-35	26.50	673	13.25	337	14.50	368	1.13	29	28.75	730	14.38	365	1-1/8	29	39.75	1,010	1,620	735

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.

# TERN POWER WINCHES



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

Mighty and reliable, Thern 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. Thern power winches come in a wide variety of base configurations, making it fast and affordable to customize a winch to your application.

### ➤ **DURABLE**

Thern'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**

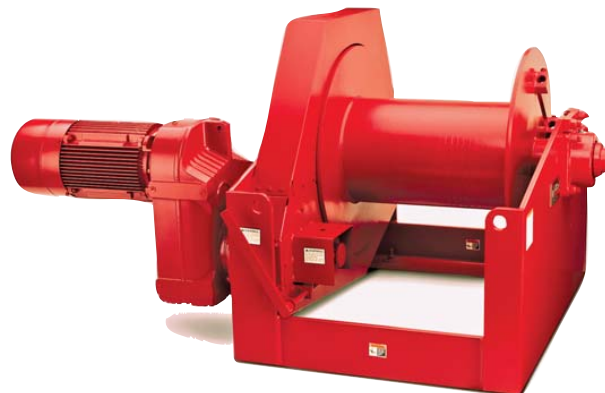
Thern has the experienced people you rely on to get the right product for the job. Our unmatched know-how means you won't end up with a solution that only creates new problems.



**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 Thern heavy duty power winch.

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

Thern 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***

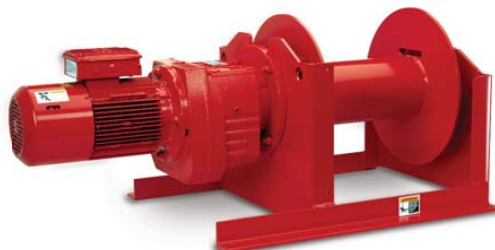
Hard, heavy, dirty. That's everything you need to know about mining. Conditions are poor, mechanical strain constant, and loads a bear, but Thern power winches can handle any task you find in a mine.

## ***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, Thern power winches help keep power plants running.



**Series 4HWF**



**Series 4HPF**



**Series 4HPFC**  
Clutch model shown