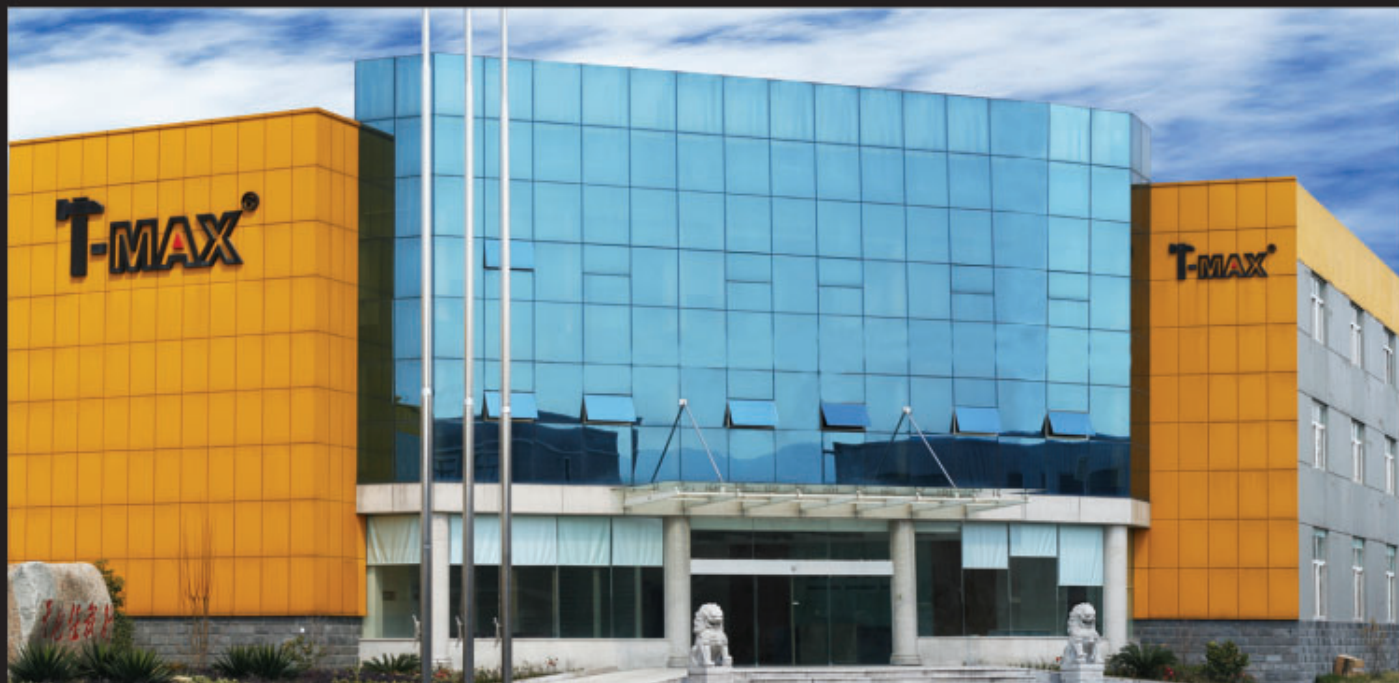




**INDUSTRIAL
WINCHES**
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About T-MAX



PICTURES OF THE T-MAX FACTORY



FIRE WORK SERIES

Features

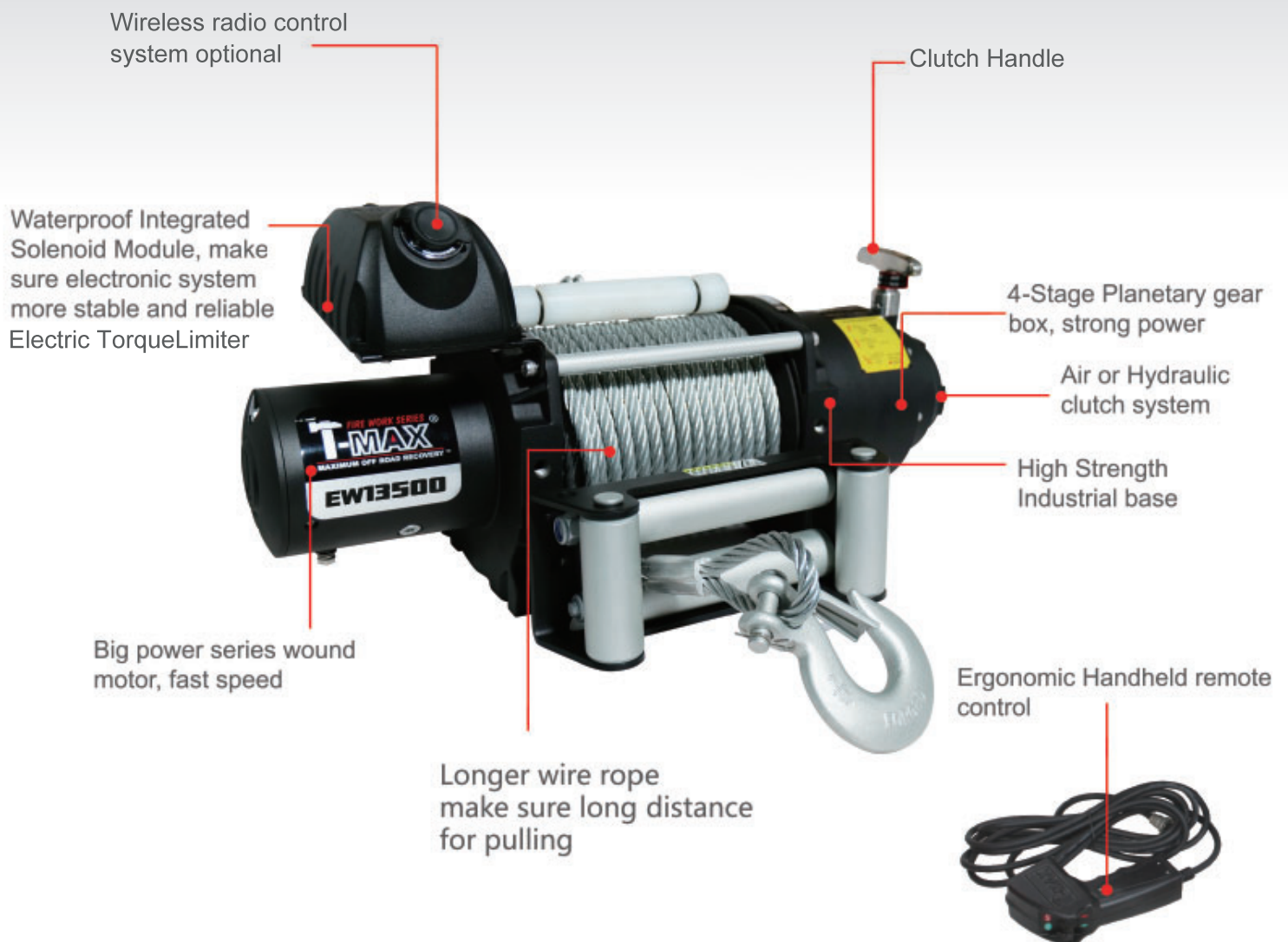
- 4-stage Planetary Gear
- Self-Lock Rotating Clutch Handle
- Air or Hydraulic Clutch
- Over Current Protector
- Electric TorqueLimiter
- Waterproof ISM

Standard Configurations

- 4-way Roller Fairlead
- Wire Rope
- Rope Tensioner
- Electric Torque Limiter
- Over Current Protector
- Hand Remote Control
- Emergency Switch

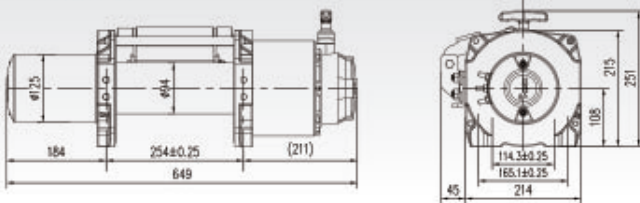
Optional Part

- Wireless Control System





Dimensions



Line Pull & Cable Capacity

Layer of Cable		1	2	3	4
Rated Line Pull per Layer	lbs.	13500	11411	9854	8715
	kgs	6123	5176	4469	3953
Cable capacity per Layer	ft	22.3	49.2	80	94
	mpm	6.8	15	24.4	35

FEATURES & SPECIFICATIONS

Rated Line Pull :	13500Lbs.(6123kgs)
Motor:	6hp/12/24V Series Wound
Control:	Remote Switch,30' (10m)lead
Gear Train:	4-Stage Planetary
Gear Ratio:	330:1
Clutch :	Axial Telescoping Ring Gear
Brake:	Automatic In-The Drum
Drum size:	Diameter: 3.76" (94mm) Length 8.82" (217mm)
Roller Fairlead	4-Way Roller
Wire Rope:	Φ 10mmX35m
Recommended Battery:	650CCA Minimum For Winching
Battery Leads:	35mm ² (1.83m)
Finish:	Black
Weight:	66Kg
Overall dimensions:	(L X W X H)649 X 214 X251mm
Mounting Bolt Pattern:	254mmX114.3mm ; 254mmX165.1mm

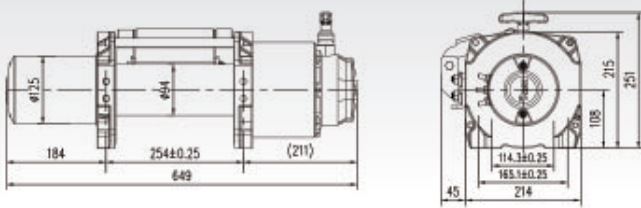
Line Speed & Amp Draw-First Layer

Line Pull	lbs.	0	3000	6000	9000	12000	13500
	kgs	0	1360	2721	4182	5443	6123
Line Speed	fpm	12V 33.8	12.9	10.2	8.24	7.06	5.88
	24V	34.6	13.4	10.8	8.69	7.61	6.55
	12V	10.33	3.96	3.12	2.52	2.16	1.8
	24V	10.55	4.1	3.3	2.65	2.32	2.0
Motor	amps	12V 55	130	210	285	360	400
	24V	38	83	110	150	125	200





Dimensions



FEATURES & SPECIFICATIONS

Rated Line Pull :	16500Lbs.(7484kgs)
Motor:	6hp/12/24V Series Wound
Control:	Remote Switch,30' (10m)lead
Gear Train:	4-Stage Planetary
Gear Ratio:	394:1
Clutch :	Axial Telescoping Ring Gear
Brake:	Automatic In-The Drum
Drum size:	Diameter: 3.76" (94mm) Length 8.82" (217mm)
Roller Fairlead	4-Way Roller
Wire Rope:	Φ 11mmX28.5m
Recommended Battery:	650CCA Minimum For Winching
Battery Leads:	35mm ² (1.83mm)
Finish:	Black
Weight:	69Kg
Overall dimensions:	(L X W X H)649 X 214 X251mm
Mounting Bolt Pattern:	254mm x 114.3mm ; 254mm x 165.1mm

Line Pull & Cable Capacity

Layer of Cable		1	2	3	4
Rated Line Pull per Layer	lbs.	16500	13950	12043	10645
	kgs	7484	6327	5462	4828
Cable capacity per Layer	ft	21	46	76.75	94
	mpm	6.4	14.2	23.4	28.5

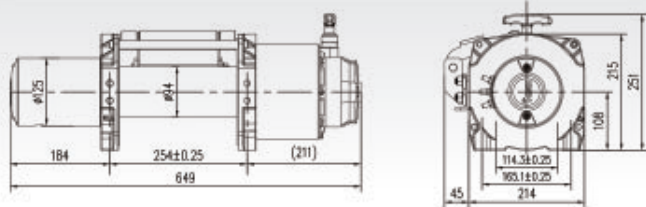
Line Speed & Amp Draw-First Layer

Line Pull	lbs.	0	3000	6000	9000	12000	15000	16500
	kgs	0	1360	2721	4182	5443	6804	7484
Line Speed	12V	24.6	11.1	9.1	7.5	6.5	5.6	4.9
	24V	26.56	11.8	9.56	8.32	7.0	5.9	5.24
	12V	7.53	3.4	2.8	2.3	2.0	1.7	1.5
	24V	8.10	3.6	2.95	2.45	2.15	1.8	1.6
Motor	12V	55	115	175	235	295	355	400
	24V	38	68	98	128	158	188	210





Dimensions



FEATURES & SPECIFICATIONS

Rated Line Pull :	18500Lbs.(8391kgs)
Motor:	6hp/12/24V Series Wound Motor
Control:	Remote Switch,30' (10m)lead
Gear Train:	4-Stage Planetary
Gear Ratio:	473:1
Clutch :	Axial Telescoping Ring Gear
Brake:	Automatic In-The Drum
Drum size:	Diameter: 3.76" (94mm) Length 8.82" (217mm)
Roller Fairlead	4-Way Roller
Wire Rope:	Φ 12mmX28.5m
Recommended Battery:	650CCA Minimum For Winching
Battery Leads:	35mm ² (1.83mm)
Finish:	Black
Weight:	72 Kg
Overall dimensions:	(L X W X H)649 X 214 X251mm
Mounting Bolt Pattern:	254mm x 114.3mm ; 254mm x 165.1mm

Line Pull & Cable Capacity

Layer of Cable		1	2	3	4
Rated Line Pull per Layer	lbs.	18500	15600	13500	11935
	kgs	8391	7076	6123	5421
Cable capacity per Layer	ft	19.7	46	75.44	94
	mpm	6	14	23	28.5

Line Speed & Amp Draw-First Layer

Line Pull	lbs.	0	3000	6000	9000	12000	15000	18500
	kgs	0	1360	2721	4182	5443	6804	8391
Line Speed	fpm	12V 24.6	6.9	5.6	4.6	3.6	3.3	2.6
	24V	26.5	7.7	6.5	5.7	5	4	3.9
	12V	7.53	2.1	1.7	1.4	1.1	1.0	0.8
	24V	8.10	2.34	1.98	1.73	1.57	1.26	1.2
Motor	amps	12V 55	110	165	220	275	330	400
	24V	38	65	84	118	142	165	192



CHW SERIES

Features

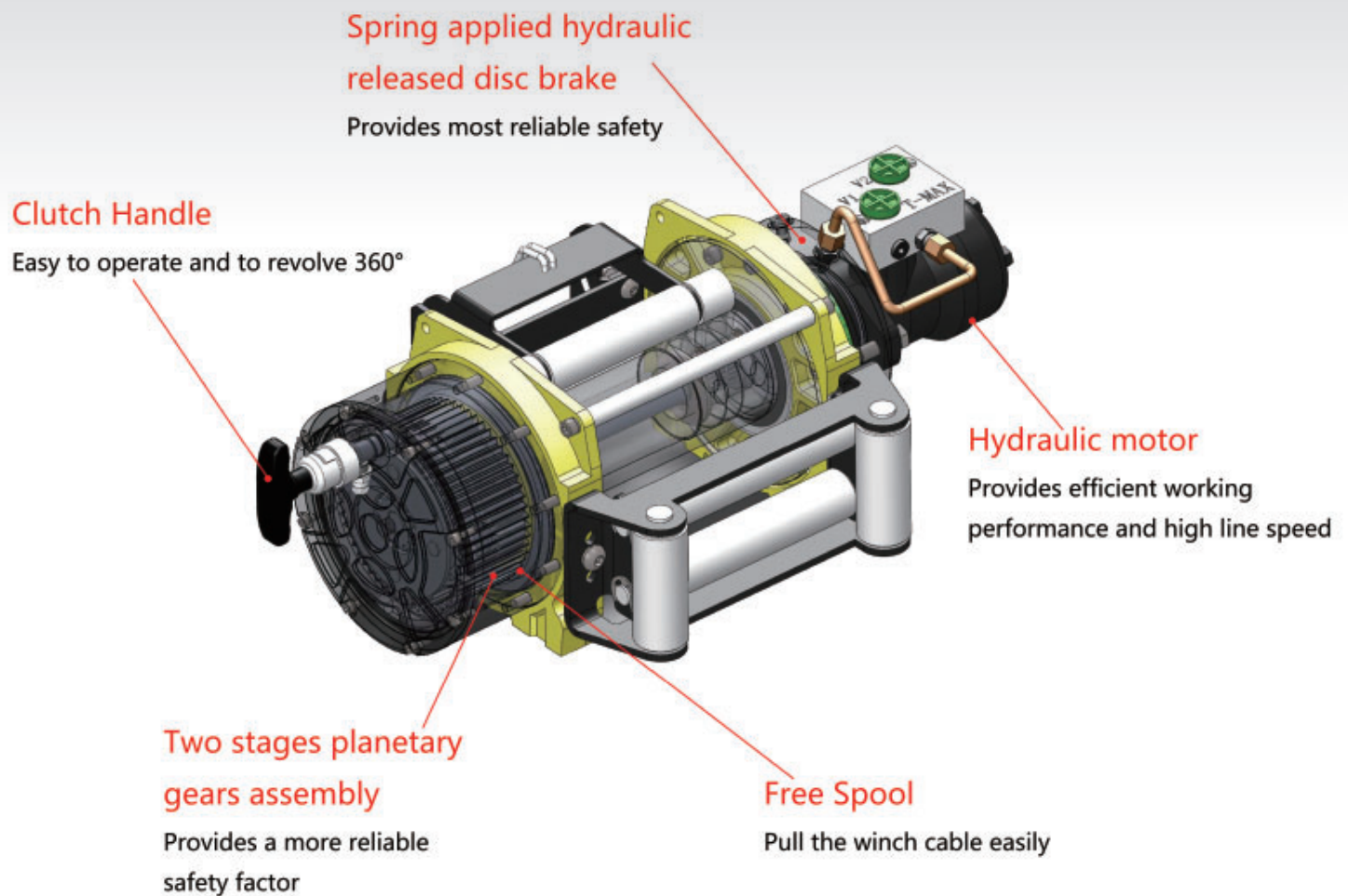
- 2-stage Planetary Gear
- Hydraulic Brake
- Shuttle Valve
- Free spool

Standard Configurations

- 4-way Roller Fairlead
- Rope Tensioner
- Hydraulic motor
- Shuttle Valve

Optional Part

- Wire rope
- Balance Valve
- Regulating valve



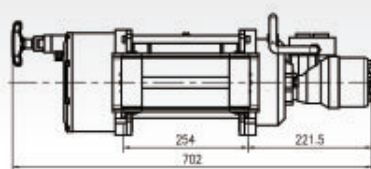


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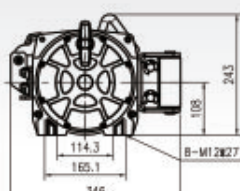


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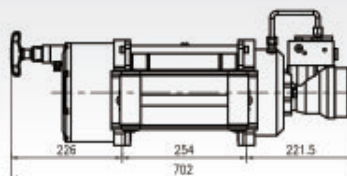
Dimensions



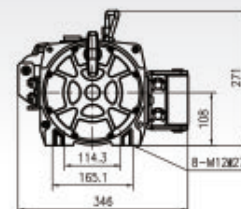
7418609



View from Gear Box



7418611



View from Gear Box

SPECIFICATION

Rated Line Pull	9000lbs(4082kg)
Rated Pressure	14MPa
Maximum Input Flow	60L/min
Hydraulic Motor	80cc/R
Gear Ratio	20.56:1
Weight	≤60kg
Standard Compliance	CE; SAEJ706
Hydraulic Fluid Port	G1/2(oil in); G1/2(oil out);
Drum Barrel Diameter	92mm
Drum Flange Diameter	198mm
Distance Between Flanges	218mm
Overall Dimensions	(LXWXH)702mm x 346mm x 243mm
Mounting Bolt Pattern	254mmX165.1mm;254mmX114.3mm

PERFORMANCE SPECIFICATION

Layer		1	2	3	4
Pull	lbs	9000	7800	6800	6100
Speed(60L/min)	ft/min / m/min	39/12	46/13.9	52/15.8	58/17.6
Cable capacity	ft/m	23/7	49/15	80/24.5	112/30



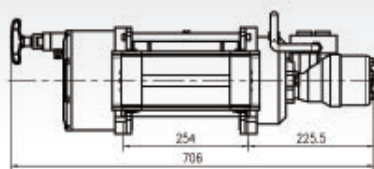


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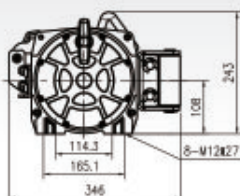


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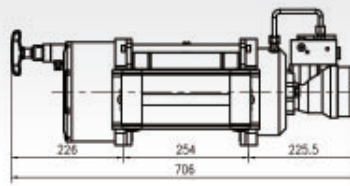
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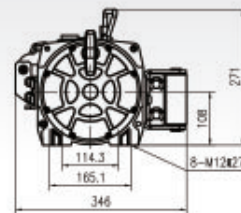
7424609



View from Gear Box



7424611



View from Gear Box

SPECIFICATION

Rated Line Pull	12000lbs(5443kg)
Rated Pressure	14MPa
Maximum Input Flow	60L/min
Hydraulic Motor	100cc/R
Gear Ratio	20.56:1
Weight	≈60kg
Standard Compliance	CE; SAEJ706
Hydraulic Fluid Port	G1/2(oil in);G1/2(oil out);
Drum Barrel Diameter	92mm
Drum Flange Diameter	198mm
Distance Between Flanges	218mm
Overall Dimensions	(LXWXH)706mm x 346mm x 243mm
Mounting Bolt Pattern	254mmX165.1mm;254mmX114.3mm

PERFORMANCE SPECIFICATION

Layer		1	2	3	4
Pull	lbs	12000	10200	8900	7800
Speed (60L/min)	ft/min / m/min	28/8.5	33/10	41/12.5	44/13.5
Cable capacity	ft/m	21/6.5	44/13.5	72/22	98/30



CHWPRO SERIES

Features

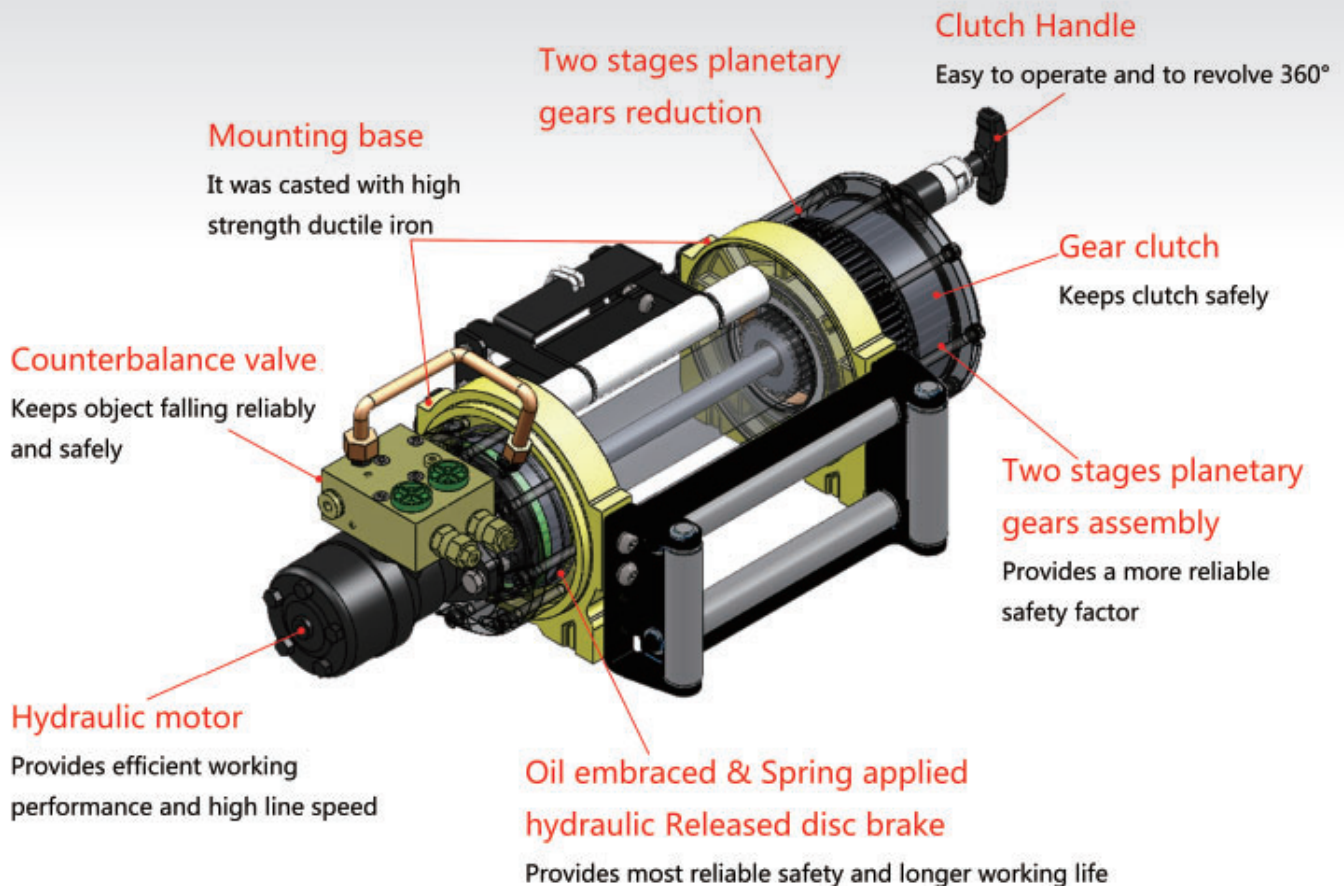
- 2-stage Planetary Gear
- Hydraulic Brake
- Balance Valve
- Free spool

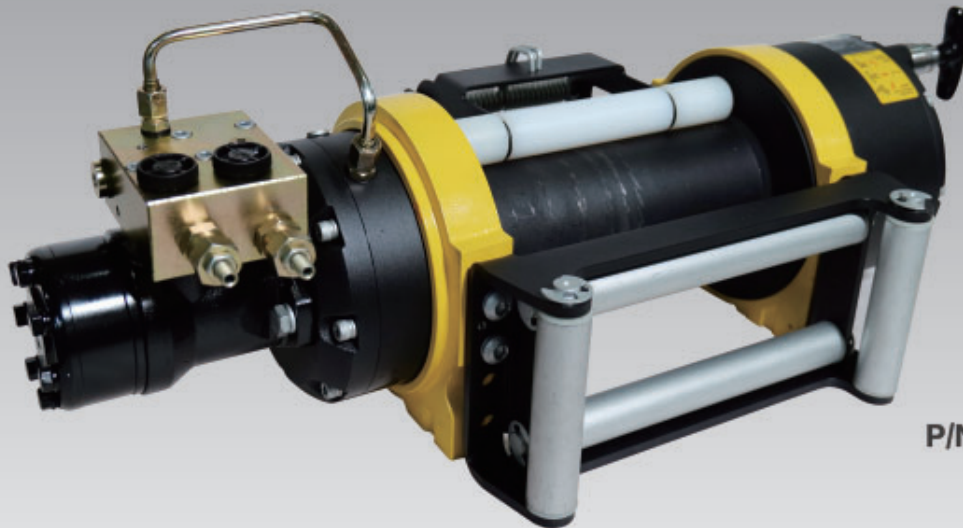
Standard Configurations

- 4-way Roller Fairlead
- Rope Tensioner
- Hydraulic motor
- Balance Valve

Optional Part

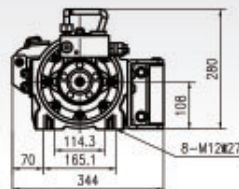
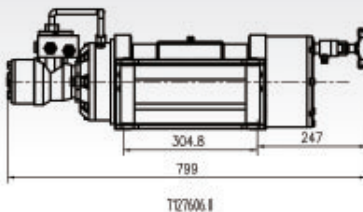
- Wire rope
- Regulating valve





P/N: 7127606

Dimensions



View from Motor

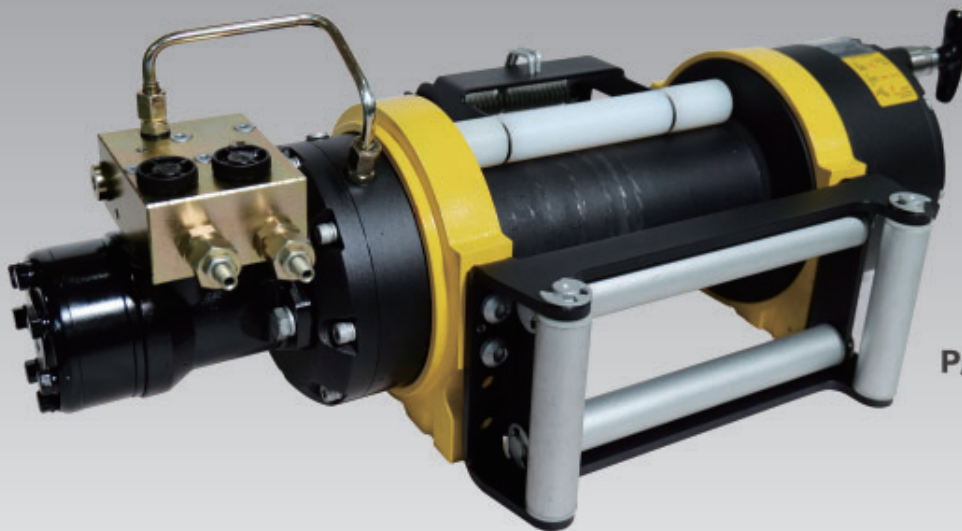
SPECIFICATION

Rated Line Pull	13500lbs(6129kg)
Rated Pressure	14MPa
Maximum Input Flow	60L/min
Hydraulic Motor	125cc/R
Gear Ratio	23:1
Weight	<70kg
Standard Compliance	CE; SAEJ706
Hydraulic Fluid Port	G1/2(oil in); G1/2(oil out);
Drum Barrel Diameter	100mm
Drum Flange Diameter	201mm
Distance Between Flanges	267mm
Overall Dimensions	(LXWXH) 799mm x 344mm x 280mm
Mounting Bolt Pattern	304.8mmX165.1mm; 304.8mmX114.3mm

PERFORMANCE SPECIFICATION

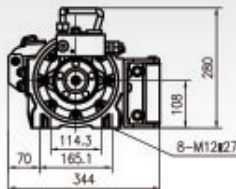
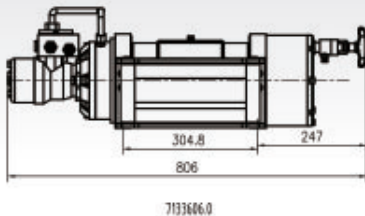
Layer		1	2	3	4
Pull	lbs	13500	11500	10000	8500
Speed (60L/min)	ft/min / m/min	23/7	27/8.2	31/9.5	35/10.8
Cable capacity	ft/m	25/7.5	5216	87/26.5	121/37





P/N: 7133606

Dimensions



View from Motor

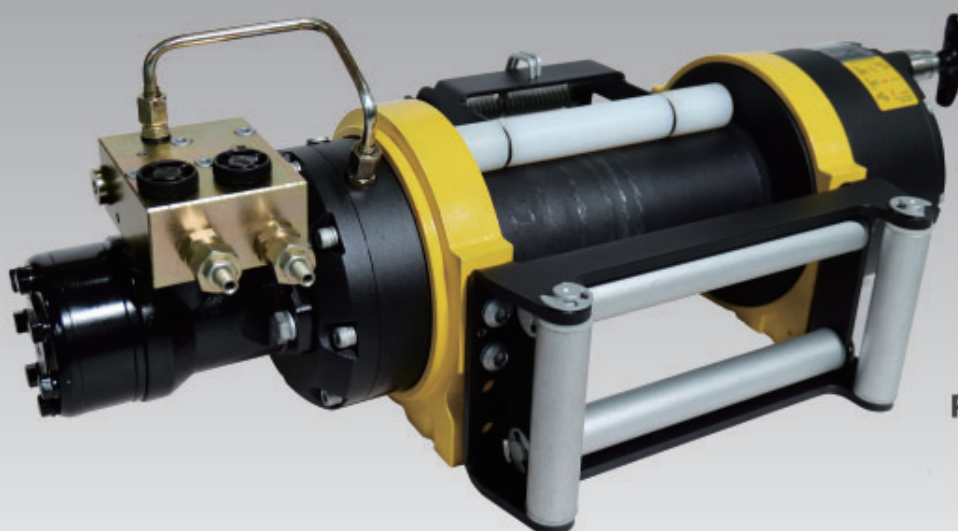
SPECIFICATION

Rated Line Pull	16500lbs(7491kg)
Rated Pressure	14MPa
Maximum Input Flow	60L/min
Hydraulic Motor	160cc/R
Gear Ratio	23:1
Weight	<70kg
Standard Compliance	CE; SAEJ706
Hydraulic Fluid Port	G1/2(oil in); G1/2(oil out);
Drum Barrel Diameter	100mm
Drum Flange Diameter	201mm
Distance Between Flanges	267mm
Overall Dimensions	(LXWXH)806mm x 344mm x 280mm
Mounting Bolt Pattern	304.8mmX165.1mm;304.8mmX114.3mm

PERFORMANCE SPECIFICATION

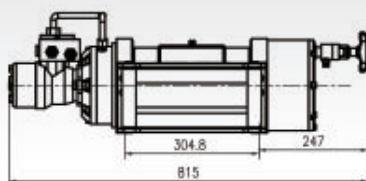
Layer		1	2	3	4
Pull	lbs	16500	13500	11500	10500
Speed (60L/min)	ft/min / m/min	20/6	24/7.2	28/8.5	31/9.5
Cable capacity	ft/m	23/7	49/15	82/25	115/35



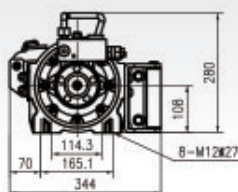


P/N: 7145606

Dimensions



7145606.0



View from Motor

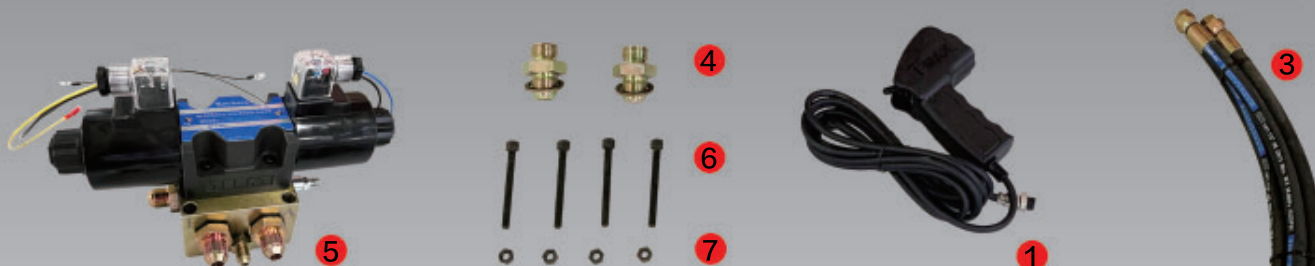
SPECIFICATION

Rated Line Pull	22500lbs(10215kg)
Rated Pressure	14MPa
Maximum Input Flow	60L/min
Hydraulic Motor	200cc/R
Gear Ratio	23:1
Weight	≤70kg
Standard Compliance	CE; SAEJ706
Hydraulic Fluid Port	G1/2(oil in); G1/2(oil out);
Drum Barrel Diameter	100mm
Drum Flange Diameter	201mm
Distance Between Flanges	267mm
Overall Dimensions	(LXWXH)815mm x 344mm x 280mm
Mounting Bolt Pattern	304.8mmX165.1mm;304.8mmX114.3mm

PERFORMANCE SPECIFICATION

Layer		1	2	3	4
Pull	lbs	22500	18500	15500	13500
Speed (60L/min)	ft/min / m/min	15/4.5	18/5.4	21/6.4	24/7.2
Cable capacity	ft/m	15/6.8	48/14.5	79/24	112/34





Optional Control System

P/N: 7130600.10

Item	Description	Qty
1	Remote Control Ass'y	1
2	Connecting line	1
3	Oil Pipe	4
4	Connector	2
5	Hydraulic 24V Solenoid Valve	1
6	Bolts	4
7	Nuts	4



Wire Rope Tensioner

P/N: 8330300.4 For type: ① - ⑤

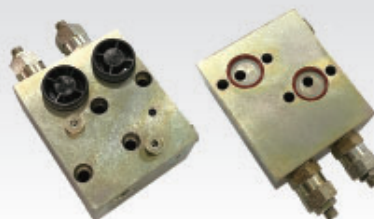
P/N: 7133600.6 For type: ⑥ - ⑧



4-way Roller Fairlead

P/N: 7329200.7B(XF) For type: ① - ⑤

P/N: 8737100L.7 For type: ⑥ - ⑧



Balance Valve

P/N: 7133600.1



High-tension Aircraft Rope

P/N	Specification (Dia x L)	Breaking Limit Load	Model
7345100.5	Φ 10mm x 35m	10T	① FEW 13500
7353100.9	Φ 11mm x 28.5m	12T	② FEW 16500
7359103.9	Φ 12mm x 28.5m	13.7T	③ FEW 18500
7418606.1	Φ 9.2mm x 30m	8.8T	④ CHW 9000
7424606.1	Φ 10.5mm x 30m	10T	⑤ CHW 12000
7127600.1	Φ 12mm x 32m	14T	⑥ CHW PRO 13500
7133600.8	Φ 13mm x 32m	17.7T	⑦ CHW PRO 16500
7145600.1	Φ 14mm x 32m	20T	⑧ CHW PRO 22500



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