IYJ-N series hydraulic winches

1. Brief introduction

IYJ series hydraulic winches adopt our patented technology and advanced manufacture method.And they are mainly consist of gerotor and axial piston hydraulic motor, Z type hydraulic multi-disc brake and C type or KC type planetary gearbox, clutch, drum, support shaft, frame.hydraulic motor can choose different distributor according to the working conditions, such as counterbalance valve、overload valve、shuttle valve、speed control directional valve and other functions' valve.This series winches featured compact and elegant figure, small size and lightweight,and a high efficiency and power,low noise and good operating performance .Therefore,the series hydraulic winches have been widely used in mobile crane, vehicle crane, aerial platform, tracked vehicle and so on.IYJ series hydraulic winches have been well sold in China company such as SANY, and also have been exported to the USA,Japan,Australia,Russia,Austria, Netherlands,Indonsia,Korea and other areas in the world.

2. Model options

IYJ ＊-＊-＊-＊-Z P N ＊

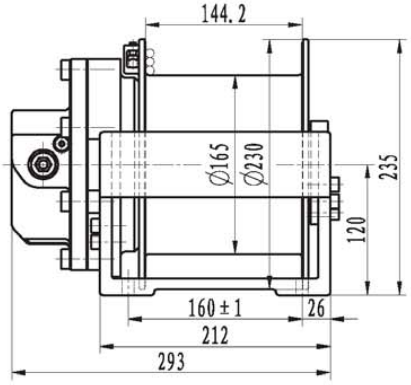
- Structure model: A-single speed groove drum B-double speed D-single speed bare drum C-without frame
- N-concealed winch
- P-represents with counterbalance valve
- Z-represents with brake
- Diameter of rope (mm)
- Capacity of rope (m)
- Rated single line pull on 1st layer (kN)
- Module of planetary gearbox
- Basic prefix of hydraulic winch

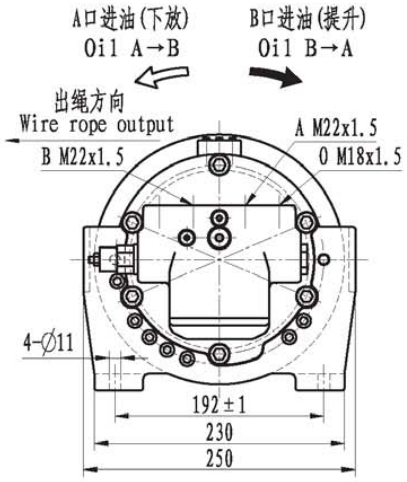
3. Options example

IYJ22-20-55-10-ZPND represents that the hydraulic winch adopts two levels planetary gearbox,and the modules of the gearbox are 2 and 2 respectively,the rated single pull on 1st layer is 20KN,drum capacity is 55m,rope diameter is 10mm,the winch is fitted with brake, counterbalance valve ,and structure model is D.

4. Parameter description

a.Total displacement represents the capacity of oil supply per revolution.
b.Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency is considered as 85%-94%.
c.Drum capacity is theoretical drum capacity. The practical available capacity of rope should subtract the retained 3m wire in case of rope headis out of hand.





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ11-5-55-6-ZPN	5	40	336.8	11	28	6	4	55	IM17	KC11 (i=19.81)
IYJ11-8-30-8-ZPN	8	40	336.8	17	28	8	3	30	IM17	
IYJ11-10-30-8-ZPN	10	40	515.1	14	42	8	3	30	IM26	
IYJ11-12-18-10-ZPN	12	40	515.1	17	42	10	2	18	IM26	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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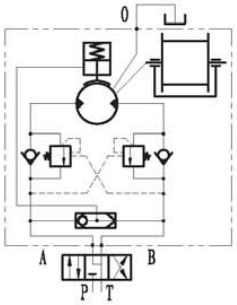
液压原理图
Hydraulic principle diagram

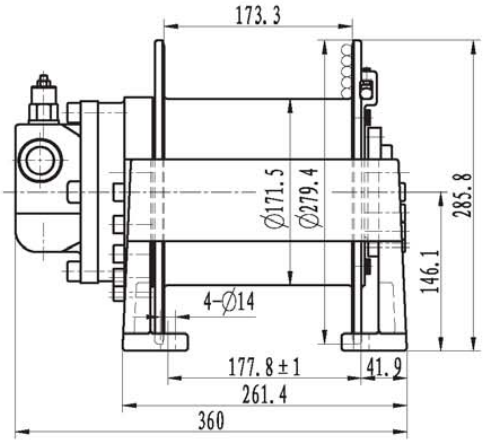


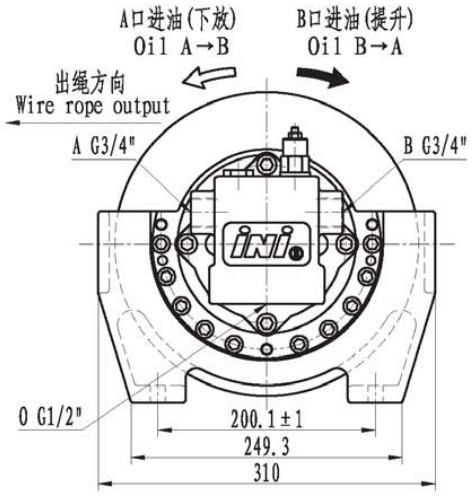
Note: The counterbalance valve is usually installed in the B-port. The hoisting direction is indicated on the winch drawing.
If necessary the hoisting direction can be changed by changing the position of the counterbalance valve to the A-port.

Warning: This winch may never be used for hoisting people or hoisting objects above people.

备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-6.4-118-7-ZPN	6.4	33	414.8	12	30	7	7	118	BM5-125	KC2 (i=3.318)
IYJ2-10.2-86-8-ZPN	10.2	28.5	663.6	12	40	8	6	86	BM5-200	
IYJ2-15-55-10-ZPN	15	23	829.5	14	40	10	5	55	BM5-250	
IYJ2-20-55-10-ZPN	20	40	929	17	76	10	5	55	BM5-280	

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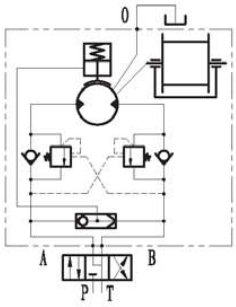

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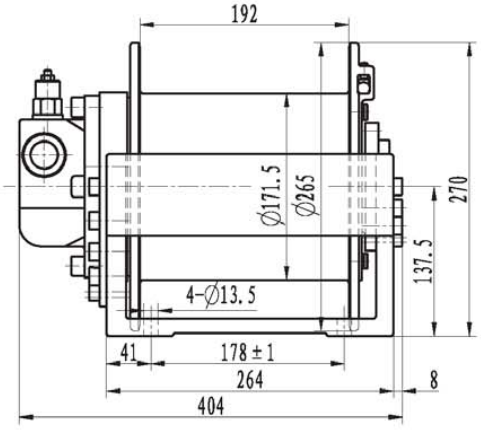

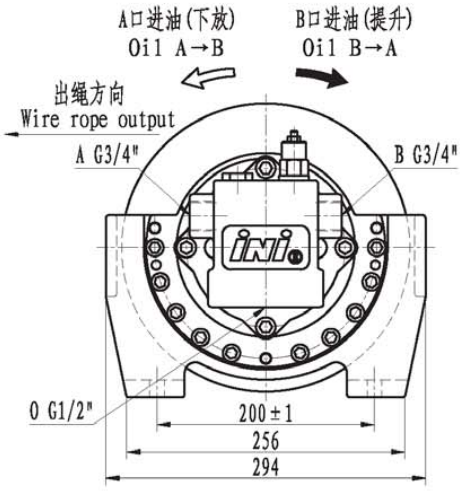

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	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-6.4-108-7-ZPNA	6.4	33	414.8	12	30	7	6	108	BM5-125	KC2 (i=3.318)
IYJ2-10.2-76-8-ZPNA	10.2	28.5	663.6	12	40	8	5	76	BM5-200	
IYJ2-15-48-10-ZPNA	15	23	829.5	14	40	10	4	48	BM5-250	
IYJ2-20-48-10-ZPNA	20	40	929	17	76	10	4	48	BM5-280	

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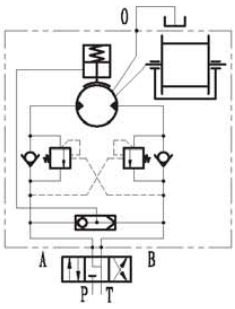

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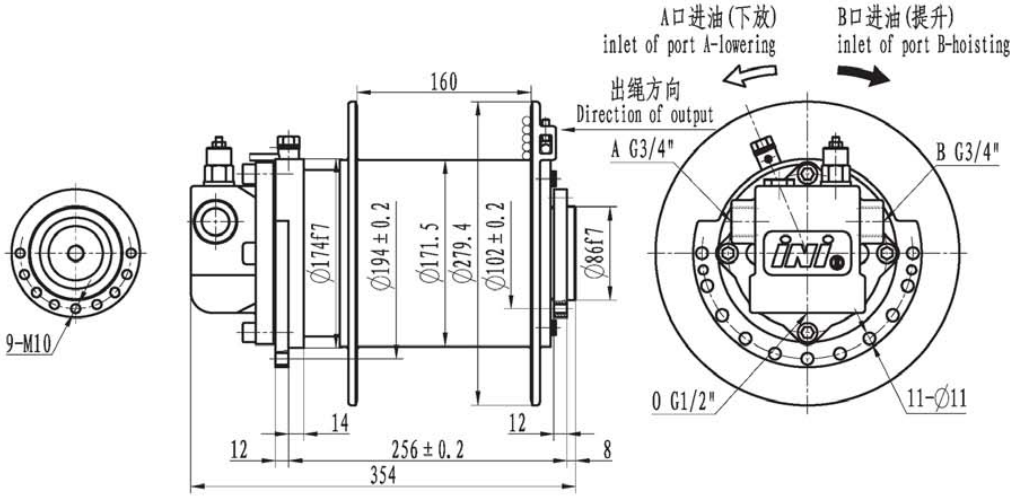

型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-6.4-108-7-ZPNC	6.4	33	414.8	12	30	7	7	108	BM5-125	KC2 (i=3.318)
IYJ2-10.2-78-8-ZPNC	10.2	28.5	663.6	12	40	8	6	78	BM5-200	
IYJ2-15-50-10-ZPNC	15	23	829.5	14	40	10	5	50	BM5-250	
IYJ2-20-50-10-ZPNC	20	40	929	17	76	10	5	50	BM5-280	

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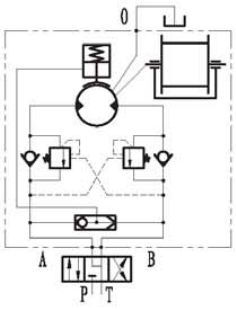

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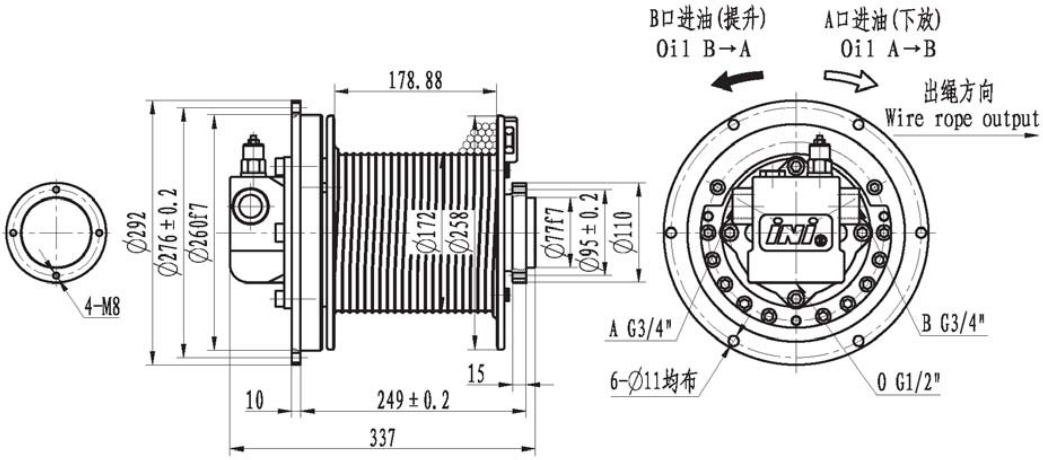

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	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-5-70-8-ZPND	5	38	530.9	7	40	8	5	70	BM5-160	KC2 (i=3.318)
IYJ2-7.5-70-8-ZPND	7.5			10						
IYJ2-8-70-8-ZPND	8			11						
IYJ2-10-70-8-ZPND	10			14						

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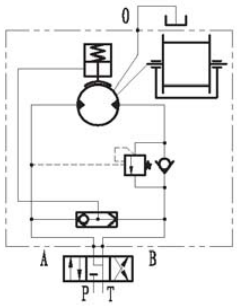
液压原理图
Hydraulic principle diagram



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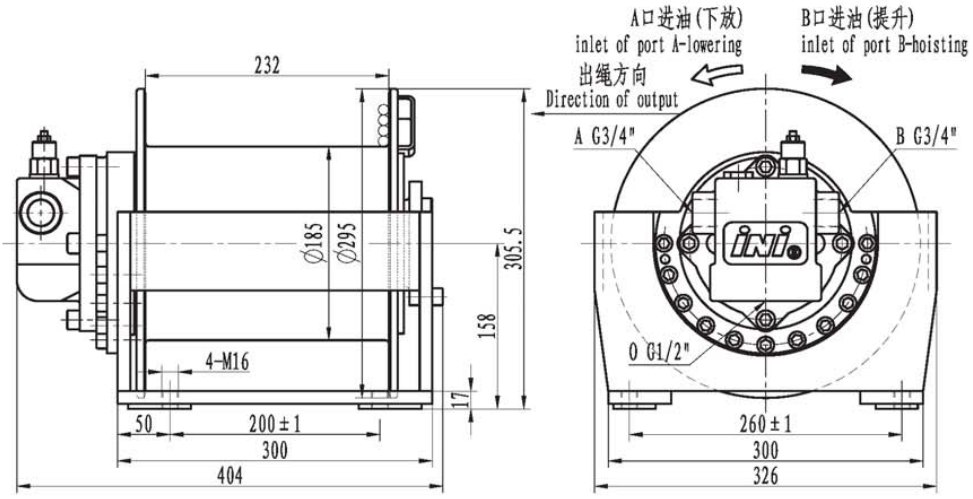

型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-6-140-7-ZPNE	6	33	608.4	8	38	7	6	140	BM5-125	KC2-B (i=4.867)
IYJ2-10-100-8-ZPNE	10			13		8	5	100		
IYJ2-15-85-10-ZPNE	15	23	1362.8	9	60	10	4	85	BM5-280	
IYJ2-20-85-10-ZPNE	20			12		10				

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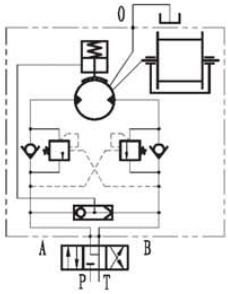
Hydraulic principle diagram



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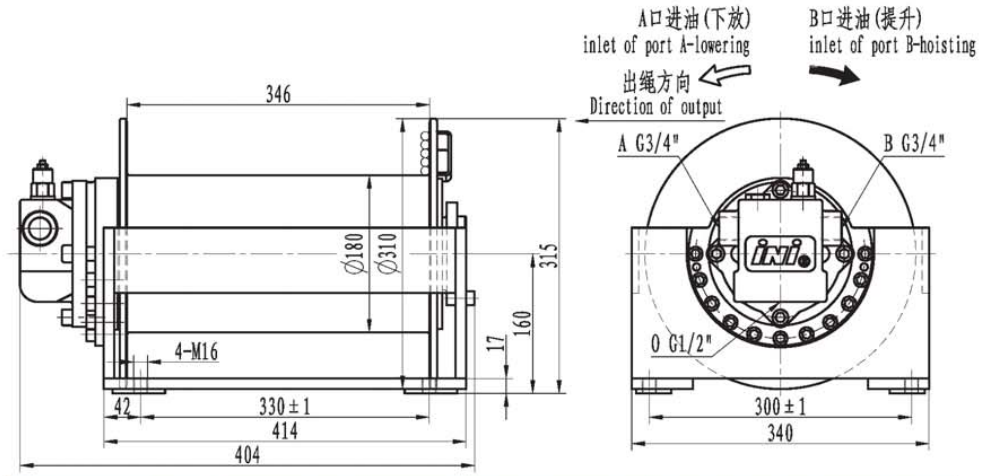

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	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2-6-300-7-ZPNF	6	43	778.7	6	60	7	8	285	BM5-160	KC2-B (i=4.867)
IYJ2-10-230-8-ZPNF	10			10		8	7	218		
IYJ2-15-195-10-ZPNF	15			15		10	6	152		
IYJ2-20-195-10-ZPNF	20			19		10				
IYJ2-22.5-195-12-ZPNF	22.5			21		12	5	106		

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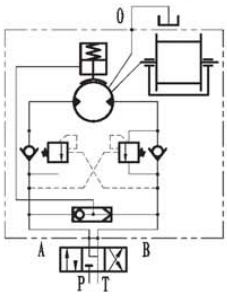

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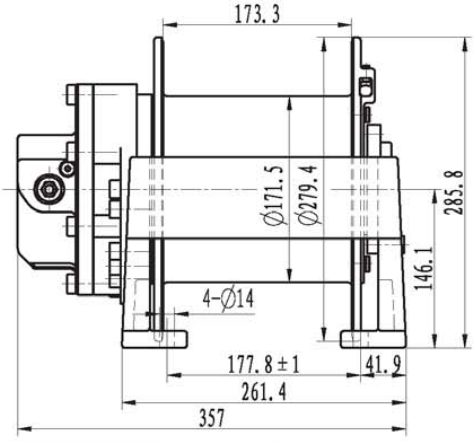

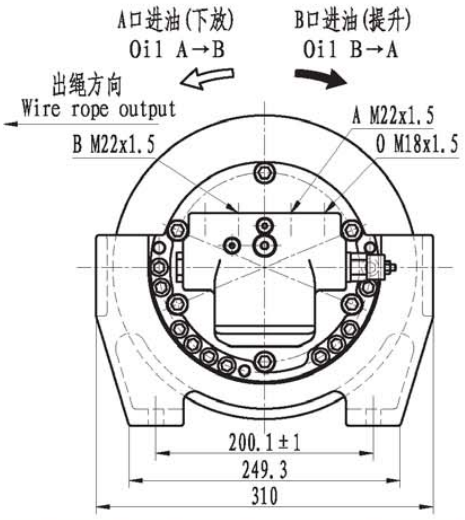

型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ22-10-86-8-ZPND	10	40	480.9	16	36	8	6	86	IM22	KC22 (i=21.86)
IYJ22-15-55-10-ZPND	15	40	568.4	21	43	10	5	55	IM26	
IYJ22-20-55-10-ZPND	20	40	644.9	24	49	10	5	55	IM30	
IYJ22-25-38-12-ZPND	25	40	762.9	25	57	12	4	38	IM35	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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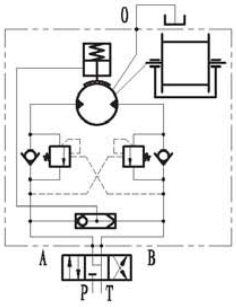
液压原理图
Hydraulic principle diagram

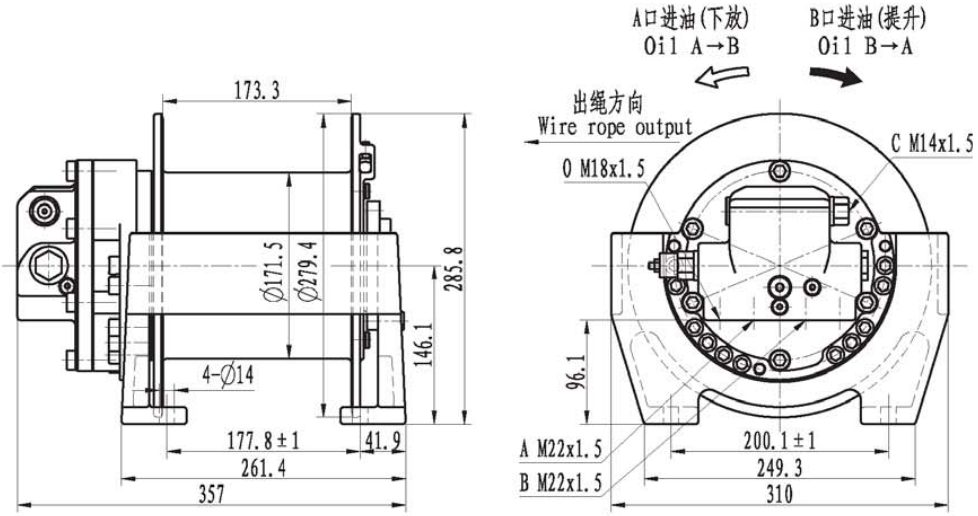


Note: The counterbalance valve is usually installed in the B-port. The hoisting direction is indicated on the winch drawing.
If necessary the hoisting direction can be changed by changing the position of the counterbalance valve to the A-port.

Warning: This winch may never be used for hoisting people or hoisting objects above people.

备注：1.总排量为卷筒每转一转的供油量；
2.供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3.容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ22-10-86-8-ZPNB	10/5	30/60	480.9/240.5	16/16	27	8	6	86	IM22/11	KC22 (i=21.86)
IYJ22-15-55-10-ZPNB	15/5	20/46	568.4/240.5	21/17	21	10	5	55	IM26/11	
IYJ22-20-55-10-ZPNB	20/5	30/60	644.9/327.9	24/13	36	10	5	55	IM30/15	
IYJ22-25-38-12-ZPNB	25/5	35/54	762.9/496.2	25/9	50	12	4	38	IM35/23	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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Note: The counterbalance valve is usually installed in the B-port. The hoisting direction is indicated on the winch drawing.
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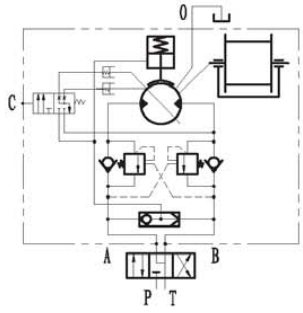
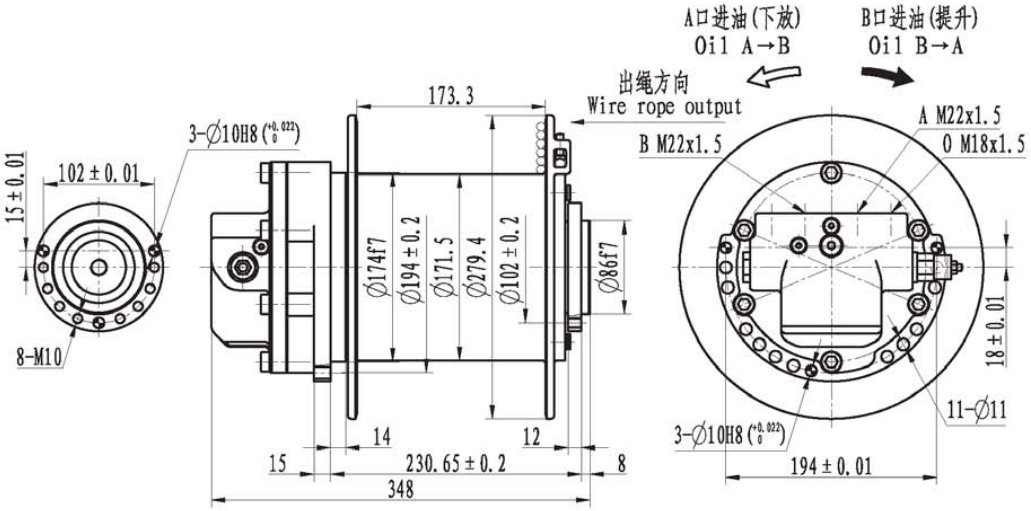
液压原理图
Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ22-10-86-8-ZPNC	10	40	480.9	16	36	8	6	86	IM22	KC22 (i=21.86)
IYJ22-15-55-10-ZPNC	15	40	568.4	21	43	10	5	55	IM26	
IYJ22-20-55-10-ZPNC	20	40	644.9	24	49	10	5	55	IM30	
IYJ22-25-38-12-ZPNC	25	40	762.9	25	57	12	4	38	IM35	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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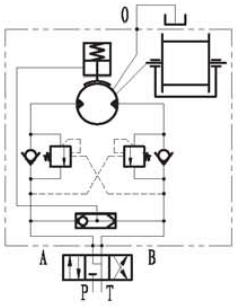
液压原理图
Hydraulic principle diagram



Note: The counterbalance valve is usually installed in the B-port. The hoisting direction is indicated on the winch drawing.
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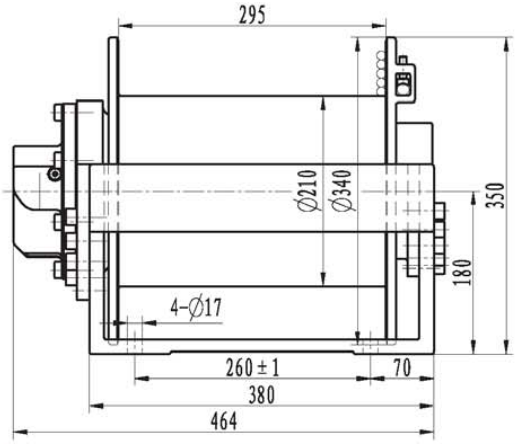
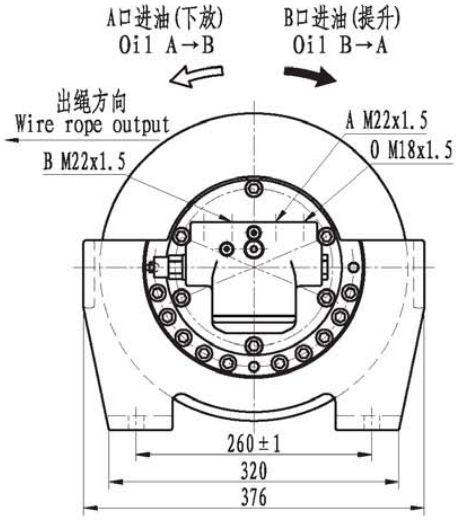
备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-25-76-12-ZPNA	25	35	1064.2	22	57	12	4	76	IM26	XC2.52.5-A (i=40.93)
IYJ2.52.5-30-72-13-ZPNA	30	30	1207.5	24	56	13	4	72	IM30	
IYJ2.52.5-35-72-13-ZPNA	35	26	1428.5	23	57	13	4	72	IM35	
IYJ2.52.5-40-72-13-ZPNA	40	26	1428.5	27	57	13	4	72	IM35	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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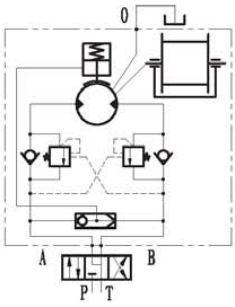
液压原理图
Hydraulic principle diagram



备注：1.总排量为卷筒每转一转的供油量；
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Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
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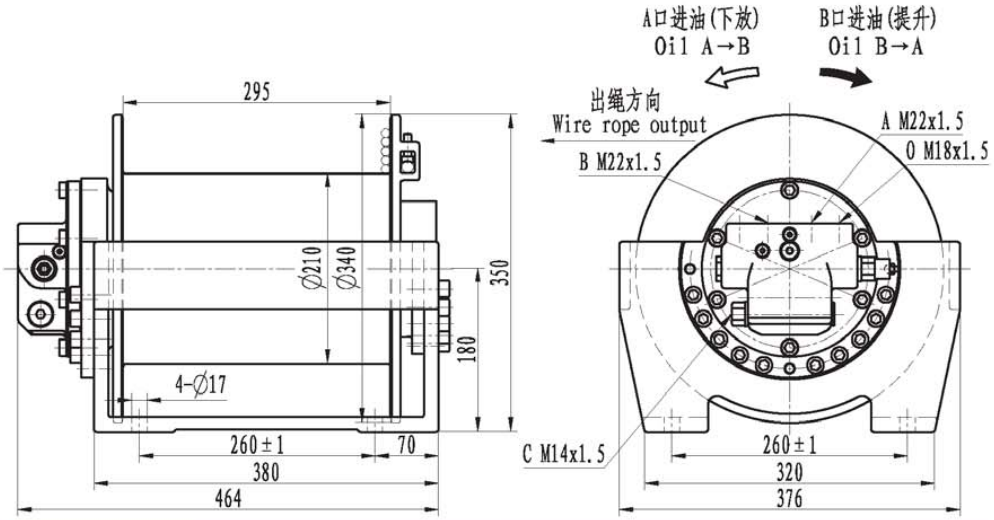

型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-25-76-12-ZPNB	25/10	15/35	1064.2/450.2	22/22	24	12	4	76	IM26/11	KC2.52.5-A (i=40.93)
IYJ2.52.5-30-72-13-ZPNB	30/10	18/35	1207.5/614.0	24/16	33	13	4	72	IM30/15	
IYJ2.52.5-35-72-13-ZPNB	35/10	25/35	1428.5/929.1	23/11	55	13	4	72	IM35/23	
IYJ2.52.5-40-72-13-ZPNB	40/10	25/35	1428.5/929.1	27/11	55	13	4	72	IM35/23	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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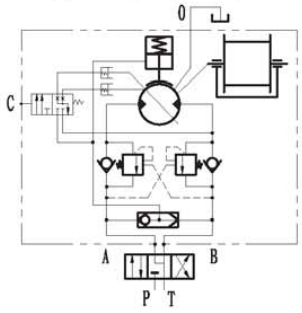
液压原理图
Hydraulic principle diagram



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备注：1. 总排量为卷筒每转一转的供油量；
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Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
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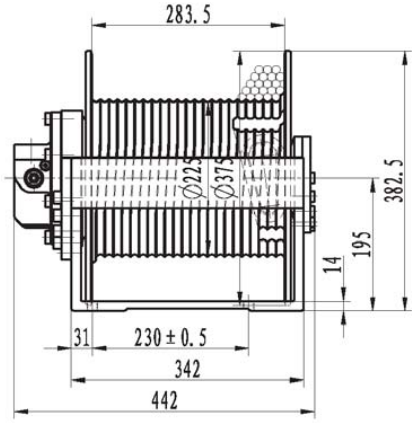

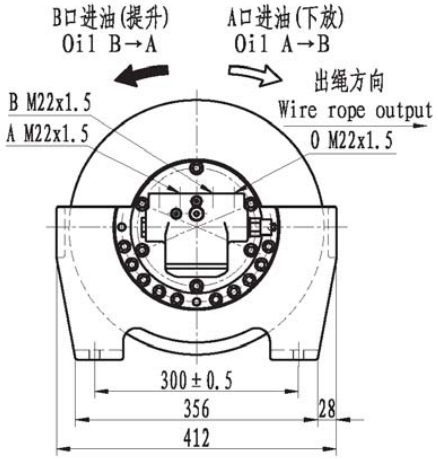

型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-15-100-12-ZPNC	15	40	986.5	15	60	12	5	100	IM30	KC2.52.5-B (i=32.45)
IYJ2.52.5-18-100-12-ZPNC	18	40		17						
IYJ2.52.5-20-100-12-ZPNC	20	40		19						
IYJ2.52.5-25-100-12-ZPNC	25	40		24						

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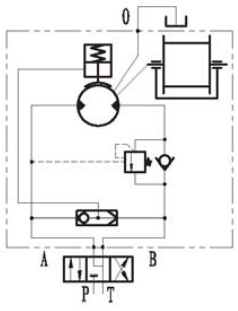
液压原理图
Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
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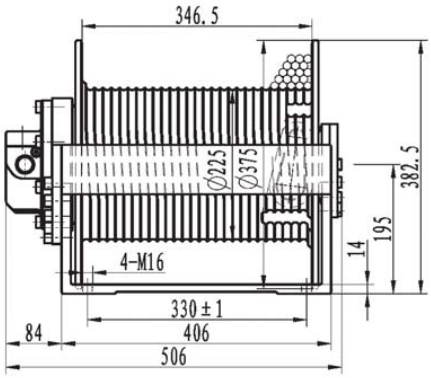
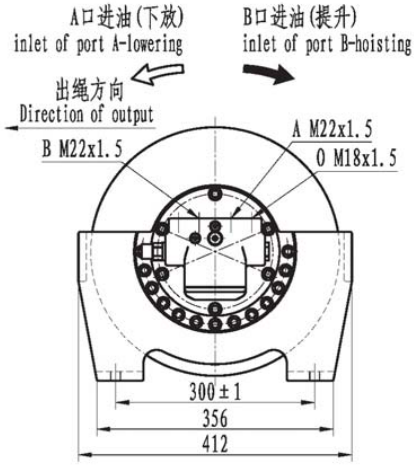
Note:

1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-20-160-12-ZPND	20	40	843.7	23	50	12	6	160	IM26	KC2.52.5-B (i=32.45)
IYJ2.52.5-25-160-12-ZPND	25	35	986.5	24	52	12	6	160	IM30	

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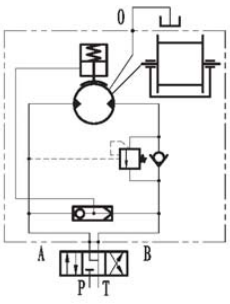
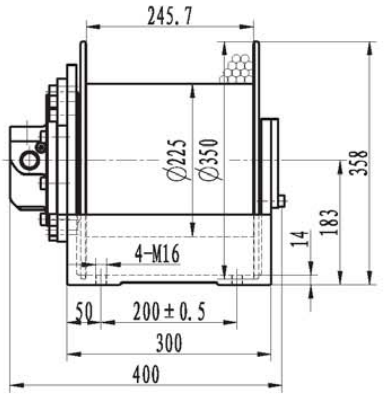
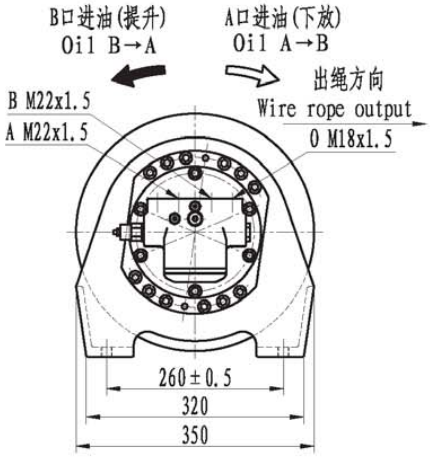
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note: 1. Total displacement represents the capacity of oil supply pre revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3m wire in case of rope head is out of hand.

液压原理图
Hydraulic principle diagram







型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-15-100-10-ZPNE	15	40	986.5	15	60	10	5	100	IM30	KC2.52.5-B (i=32.45)
IYJ2.52.5-18-100-10-ZPNE	18	40		17						
IYJ2.52.5-20-100-12-ZPNE	20	40		19		12	4	90		
IYJ2.52.5-25-100-12-ZPNE	25	40		24						

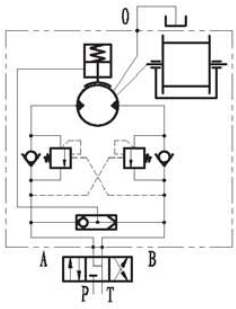
说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

警告：本绞车不允许载人提升或下放！

Note: The counterbalance valve is usually installed in the B-port. The hoisting direction is indicated on the winch drawing.
If necessary the hoisting direction can be changed by changing the position of the counterbalance valve to the A-port.

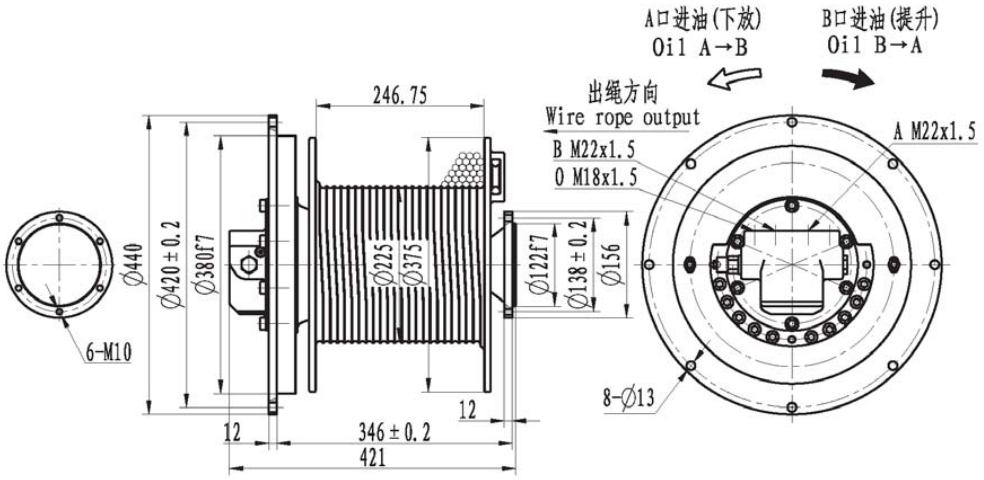
Warning: This winch may never be used for hoisting people or hoisting objects above people.

液压原理图
Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:
1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 (L/min)	钢丝绳直径 (mm)	层数 Layer	容绳量 (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-15-126-10-ZPNF	15	40	986.5	15	60	10	6	126	IM30	KC2.52.5-B (i=32.45)
IYJ2.52.5-18-126-10-ZPNF	18	40		17						
IYJ2.52.5-20-126-10-ZPNF	20	40		19						
IYJ2.52.5-25-126-10-ZPNF	25	40		24						

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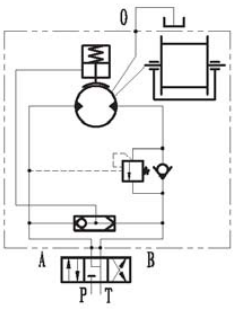
Warning: This winch can't be used to carry people!

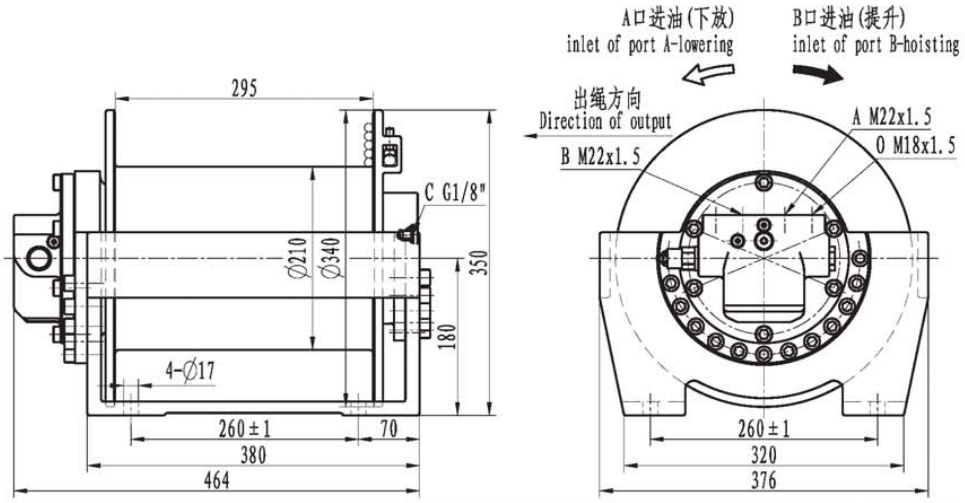
液压原理图
Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note:

1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	额定工作压差 Working pressure diff. (MPa)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ2.52.5-25-76-12-ZPNL	25	35	1064.2	22	57	12	4	76	IM26	KC2.52.5-A (i=40.93)
IYJ2.52.5-30-72-13-ZPNL	30	30	1207.5	24	56	13	4	72	IM30	
IYJ2.52.5-35-72-13-ZPNL	35	26	1428.5	23	57	13	4	72	IM35	
IYJ2.52.5-40-72-13-ZPNL	40	26	1428.5	27	57	13	4	72	IM35	

说明：绞车出厂时平衡阀装在B口油道上，A口油道上装堵头，用户需反向提升时，可将平衡阀与堵头对调安装。液压原理图中的双向平衡阀仅表示绞车可通过调换平衡阀实现反向提升，并非安装两个平衡阀。

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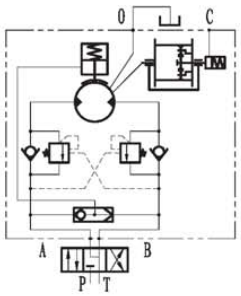
Note: The counterbalance valve installed in Port B pipeline, and plug valve installed in Port A pipeline when the winch leave factory. If customer need hoisting direction in reverse, please interchange the counterbalance valve and plug valve between Port B and Port A. The two counterbalance valve showed in hydraulic diagram only illuminated the hoisting direction can be changed by interchange counterbalance valve and plug valve, not truely installation two counterbalance valve.

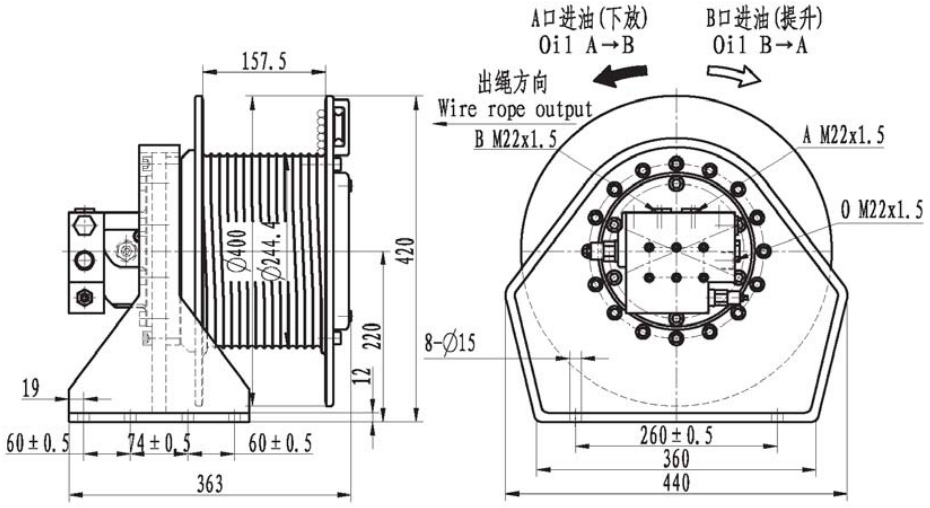
Warning: This winch can't be used to carry people!

液压原理图
Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3米以防绳头脱出。

Note: 1. Total displacement represents the capacity of oil supply pre revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3m wire in case of rope head is out of hand.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压力 Working pressure (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ23-20-80-10-ZPN	20	51.8	991.8	22	70	10	6	80	IM30	KC22.75 (i=32.626)
IYJ23-25-80-10-ZPN	25	51.8		26						
IYJ23-30-60-12-ZPN	30	40	1138.6	27	63	12	6	60	IM35	KC22.75 (i=32.626)
IYJ23-35-60-12-ZPN	35	40		30						

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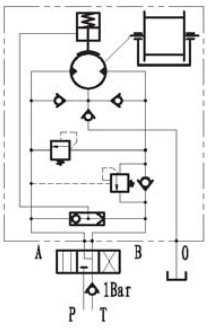
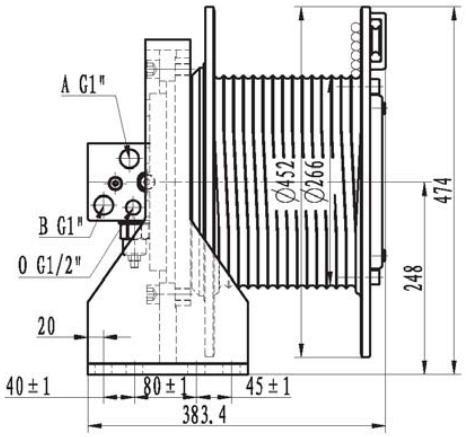
2.供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3.容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

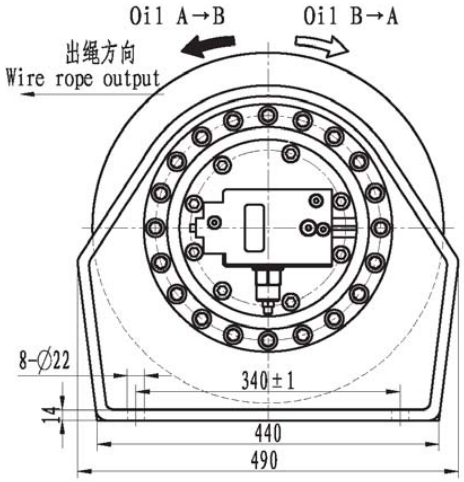
液压原理图
Hydraulic principle diagram



Note:

1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压力 Working pressure (MPa)	供油流量 oil flow supply (L/min)	钢丝绳直径 Rope diameter (mm)	层数 Layer	容绳量 Wire rope Capacity (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ23-35-90-12-ZPN	35	50	1435.2	27	90	12	6	90	IM69	KC23 (i=20.8)
IYJ23-40-90-12-ZPN	40	50		30						
IYJ23-45-80-14-ZPN	45	40	1809.6	28	90	14	6	80	IM87	KC23 (i=20.8)
IYJ23-50-80-14-ZPN	50	40		30						

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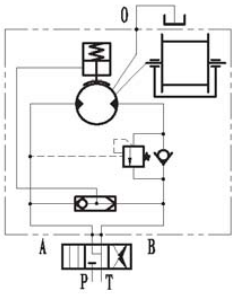
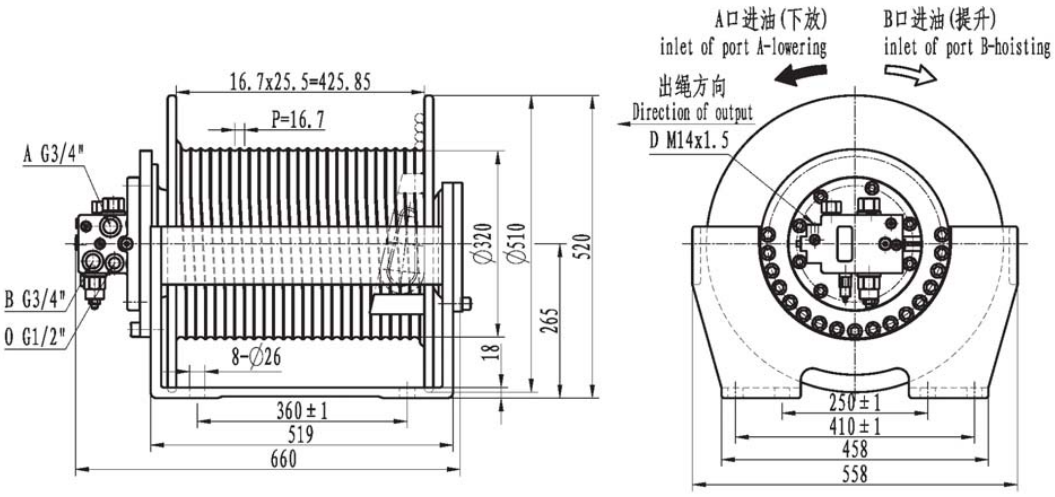
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

Note:

1. The total displacement represents the needed oil volume for one revolution of the winch drum;
2. Oil flow supply indicates the needed oil flow considering a volumetric efficiency of 85%;
3. The wire rope capacity is the theoretical total wire rope storage. Three safety windings on the first layer minimum should be deducted always. This is the usable wire rope storage.

液压原理图
Hydraulic principle diagram





型号 Model	第一层拉力 The 1st layer pull		第一层绳速 The 1st layer rope speed		总排量 Displacement		工作压力 Working pressure (bar)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	重载 Heavy load (kN)	轻载 Slight load (kN)	重载 Heavy load (m/min)	轻载 Slight load (m/min)	重载 Heavy load (ml/r)	轻载 Slight load (ml/r)							
IYJ33-40-120-16-ZPNB	40	25	40	80	2933.3	1864.8	200	124	16	4	120	IM87/56	KC33 (i=33.6)
IYJ33-50-120-16-ZPNB	50	32	40	80			240						
IYJ33-55-120-16-ZPNB	55	35	40	80			270						
IYJ33-60-120-16-ZPNB	60	38	40	80			290						

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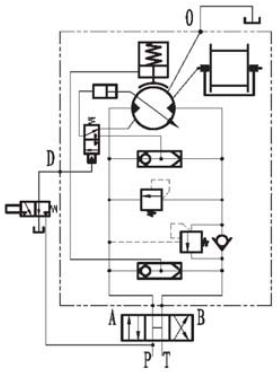
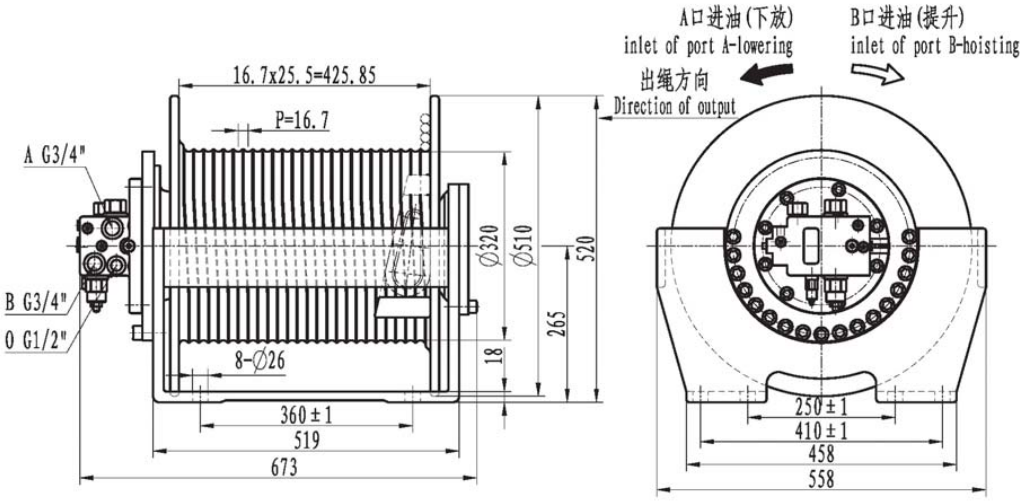
备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出；
4. 离合器开启压力6-8bar，可以采用气动或液压控制。

Note: 1. Total displacement represents the capacity of oil supply per revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand;
4. Clutch open pressure is 6-8bar, can be controled by gas or oil.

液压原理图
Hydraulic principle diagram





型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压力 Working pressure (bar)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ33-40-120-16-ZPND	40	26	2933.3	200	80	16	2	56	IM87	KC33 (i=33.6)
IYJ33-50-120-16-ZPND	50	26		240			3	88		
IYJ33-55-120-16-ZPND	55	26		270						
IYJ33-60-120-16-ZPND	60	26		290			4	120		

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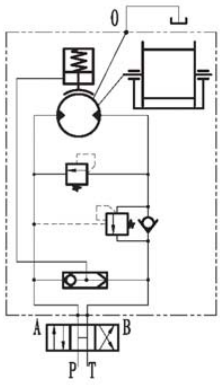
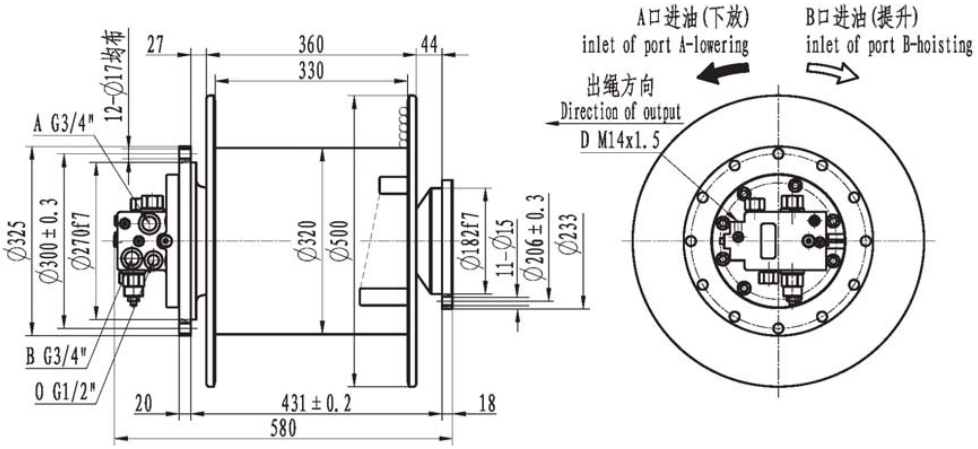
液压原理图

Hydraulic principle diagram



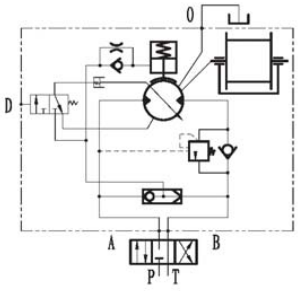
备注: 1. 总排量为卷筒每转一转的供油量;
2. 供油流量是泵的理论流量, 即在考虑系统容积效率为0.85的情况下计算所得;
3. 容绳量为绞车的理论容绳量, 实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

Note: 1. Total displacement represents the capacity of oil supply per revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.



型号 Model	第一层拉力 The 1st layer pull		第一层绳速 The 1st layer rope speed		总排量 Displacement		工作压力 Working pressure (bar)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	重载 Heavy load (kN)	轻载 Slight load (kN)	重载 Heavy load (m/min)	轻载 Slight load (m/min)	重载 Heavy load (ml/r)	轻载 Slight load (ml/r)							
IYJ33-40-120-16-ZPNC	40	25	40	80	2933.3	1864.8	200	124	14	5	144	IM87/56	KC33 (i=33.6)
IYJ33-50-120-16-ZPNC	50	32	40	80			240						

液压原理图
Hydraulic principle diagram



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备注：1. 总排量为卷筒每转一转的供油量；
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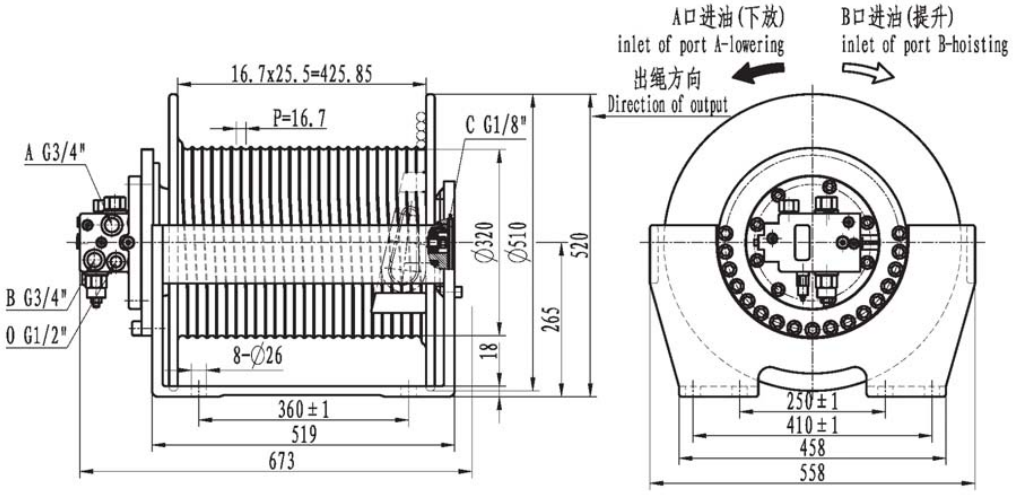
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

Note: 1. Total displacement represents the capacity of oil supply per revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.



型号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压力 Working pressure (bar)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	拉力 Pull (kN)	绳速 Rope speed (m/min)								
IYJ33-40-120-16-ZPNL	40	26	2933.3	200	80	16	2	56	IM87	KC33 (i=33.6)
IYJ33-50-120-16-ZPNL	50	26		240			3	88		
IYJ33-55-120-16-ZPNL	55	26		270						
IYJ33-60-120-16-ZPNL	60	26		290			4	120		

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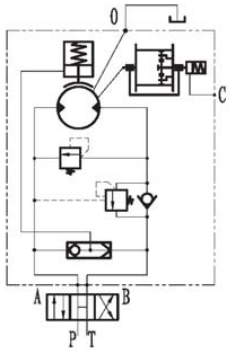
液压原理图

Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
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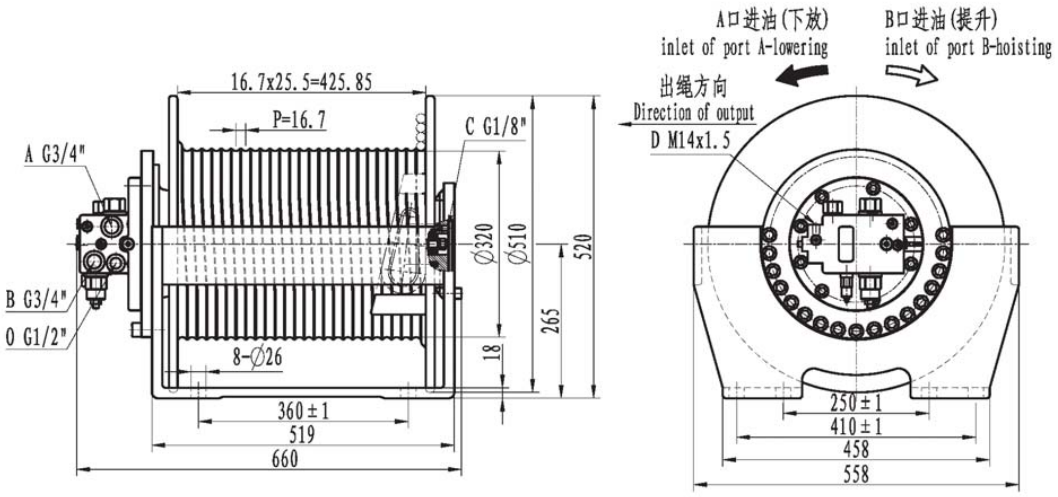
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

Note: 1. Total displacement represents the capacity of oil supply per revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.



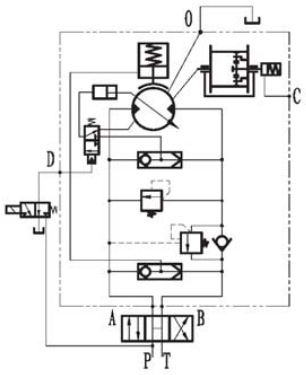
型号 Model	第一层拉力 The 1st layer pull		第一层绳速 The 1st layer rope speed		总排量 Displacement		工作压力 Working pressure (bar)	供油流量 Supply oil flow (L/min)	钢丝绳直径 Diameter of rope (mm)	层数 Layer	容绳量 Capacity of rope (m)	液压马达型号 Hydraulic motor	减速器型号 Gearbox model (传动比) (Ratio)
	重载 Heavy load (kN)	轻载 Slight load (kN)	重载 Heavy load (m/min)	轻载 Slight load (m/min)	重载 Heavy load (ml/r)	轻载 Slight load (ml/r)							
IYJ33-40-120-16-ZPNBL	40	25	40	80	2933.3	1864.8	200	124	16	4	120	IM87/56	KC33 (i=33.6)
IYJ33-50-120-16-ZPNBL	50	32	40	80			240						
IYJ33-55-120-16-ZPNBL	55	35	40	80			270						
IYJ33-60-120-16-ZPNBL	60	38	40	80			290						

警告：本绞车不允许载人提升或下放！

Warning: This winch can't be used to carry people!

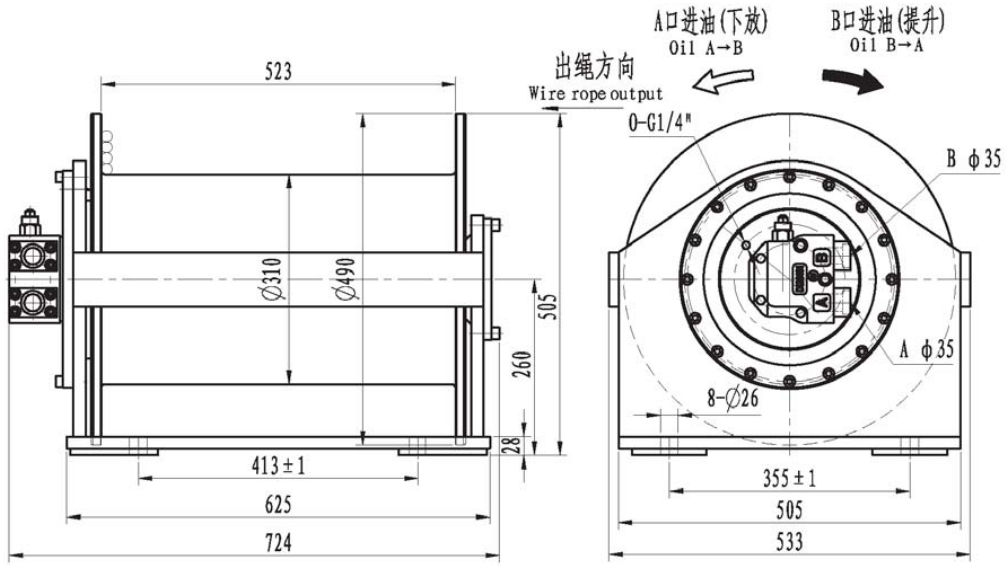
液压原理图

Hydraulic principle diagram



备注：1. 总排量为卷筒每转一转的供油量；
2. 供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得；
3. 容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出；
4. 离合器开启压力6-8bar，可以采用气动或液压控制。

Note: 1. Total displacement represents the capacity of oil supply per revolution.
2. Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
3. Capacity of rope is theoretical capacity of rope. The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand;
4. Clutch open pressure is 6-8bar, can be controled by gas or oil.

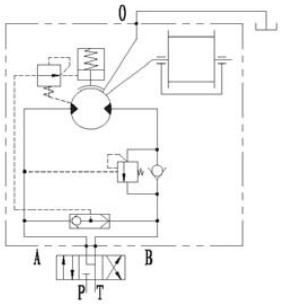


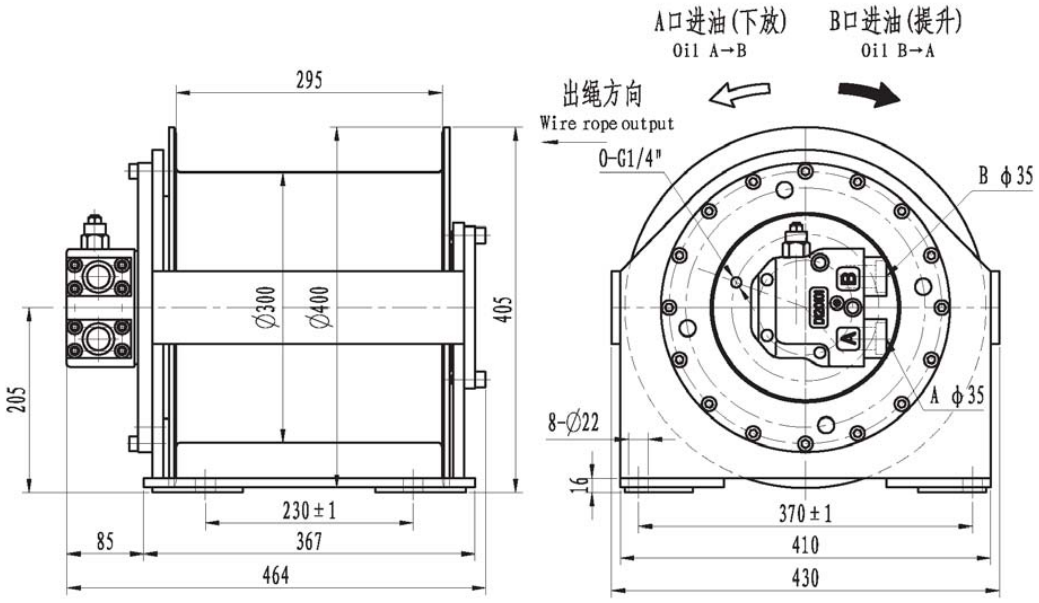
型 号 Model	第一层 The 1st layer 拉力 Pull (KN)	第一层 The 1st layer 绳速 Rope speed (m/min)	总排量 Total displacement (ml/r)	工作压差 Working pressure diff. (MPa)	供油流量 Oil flow supply (L)	钢丝绳直径 Rope diameter (mm)	钢丝绳层数 Layer	容绳量 Wire rope capacity (m)	液压马达型号 Hydraulic motor	行星减速器型号 Gearbox model
IYJ2.53-25-165-14-ZPN	25	33	1634	19.8	60	14	4	165	INM05-90D120101P	KC2.53(i=19)
IYJ2.53-30-165-14-ZPN	30	25	2185	17.8	60	14	4	165	INM05-110D120101P	KC2.53(i=19)
IYJ2.53-40-149-16-ZPN	40	26	2451	21.3	70	16	4	149	INM05-130D120101P	KC2.53(i=19)
IYJ2.53-50-149-16-ZPN	50	23	3154	20.7	80	16	4	149	INM05-170D120101P	KC2.53(i=19)
IYJ2.53-60-149-16-ZPN	60	21	3629	21.6	80	16	4	149	INM05-200D120101P	KC2.53(i=19)

注：1、马达泄漏口O必须直接回液压油箱，不允许连接至主回油路；
2、换向阀中位机能必须为“Y”型或“H”型；
3、液压绞车不允许载人；
4、若有特殊要求请与我们销售部门联系。

Note: 1. The drain port of the hydraulic motor must be separately connected to the hydraulic reservoir.
2. The directional control valve should be of a “Y” or “H” type in neutral position to assure the brake and activated.
3. The winch is not designed for operation involving lifting or moving personnel.
4. When there is no winch type available which meets your requirements, we ask you to contact our sales department for a specific design.

液压原理图
Hydraulic principle diagram

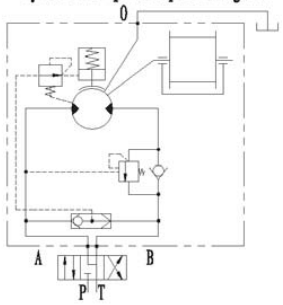




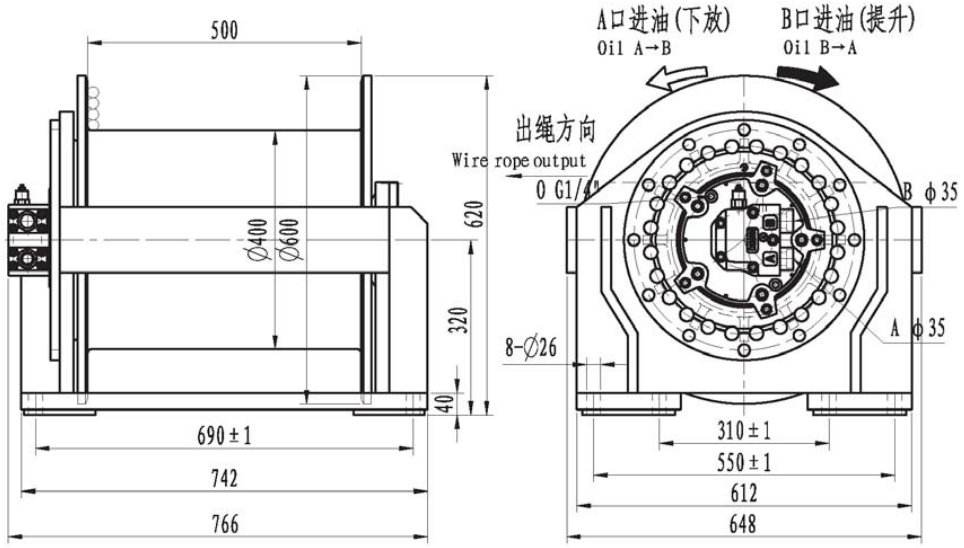
型 号 Model	第一层 The 1st layer 拉力 Pull (KN)	第一层 The 1st layer 绳速 Rope speed (m/min)	总排量 Total displacement (ml/r)	工作压差 Working pressure diff. (MPa)	供油流量 Oil flow supply (L)	钢丝绳直径 Rope diameter (mm)	钢丝绳层数 Layer	容绳量 Wire rope capacity (m)	液压马达型号 Hydraulic motor	行星减速器型号 Gearbox model
IYJ3-10-122-10-ZPN	10	54	859.5	14.3	56	10	4	122	INM05-170D120101P	KC3(i=4.5)
IYJ3-15-122-10-ZPN	15	55	859.5	21.5	56	10	4	122	INM05-170D120101P	KC3(i=4.5)
IYJ3-20-66-14-ZPN	20	43	1146	21.5	56	14	3	66	INM05-200D120101P	KC3(i=6)

注：1、马达泄漏口O必须直接回液压油箱，不允许连接至主回油路；
2、换向阀中位机能必须为“Y”型或“H”型；
3、液压绞车不允许载人；
4、若有特殊要求请与我们销售部门联系。

液压原理图
Hydraulic principle diagram



Note: 1. The drain port of the hydraulic motor must be separately connected to the hydraulic reservoir.
2. The directional control valve should be of a “Y” or “H” type in neutral position to assure the brake and activated.
3. The winch is not designed for operation involving lifting or moving personnel.
4. When there is no winch type available which meets your requirements, we ask you to contact our sales department for a specific design.



型 号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压差 Working pressure diff. (MPa)	供油流量 Oil flow supply (L)	钢丝绳直径 Rope diameter (mm)	钢丝绳层数 Layer	容绳量 Wire rope capacity (m)	液压马达型号 Hydraulic motor	行星减速器型号 Gearbox model
	拉力 Pull (KN)	绳速 Rope speed (m/min)								
IYJ34-60-160-18-ZPN	60	14	5775	16.6	70	18	4	160	INM1-150D120101P	KC34(i=37.5)
IYJ34-70-160-18-ZPN	70	13	6450	17.3	70	18	4	160	INM1-175D120101P	KC34(i=37.5)
IYJ34-80-90-24-ZPN	80	14	7537.5	17.2	90	24	3	90	INM1-200D120101P	KC34(i=37.5)
IYJ34-90-90-24-ZPN	90	12	9112.5	16	90	24	3	90	INM1-250D120101P	KC34(i=37.5)
IYJ34-100-90-24-ZPN	100	12	9112.5	17.8	90	24	3	90	INM1-250D120101P	KC34(i=37.5)

注：1、马达泄漏口O必须直接回液压油箱，不允许连接至主回油路；
2、换向阀中位机能必须为“Y”型或“H”型；
3、液压绞车不允许载人；
4、若有特殊要求请与我们销售部门联系。

Note: 1. The drain port of the hydraulic motor must be separately connected to the hydraulic reservoir.
2. The directional control valve should be of a “Y” or “H” type in neutral position to assure the brake and activated.
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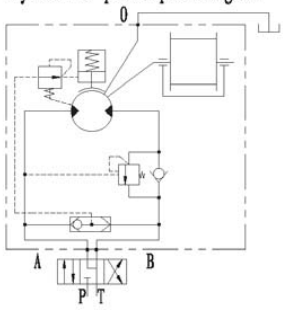
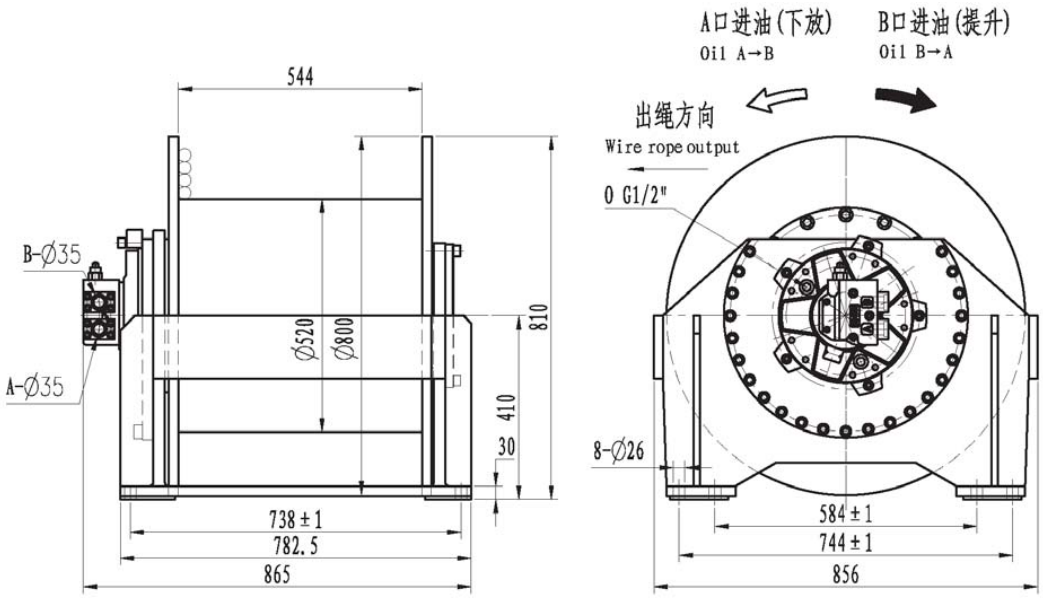
4. When there is no winch type available which meets your requirements, we ask you to contact our sales department for a specific design.

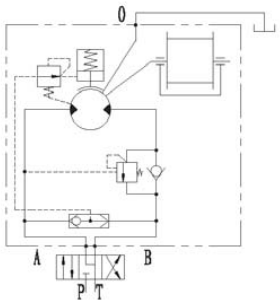
液压原理图
Hydraulic principle diagram





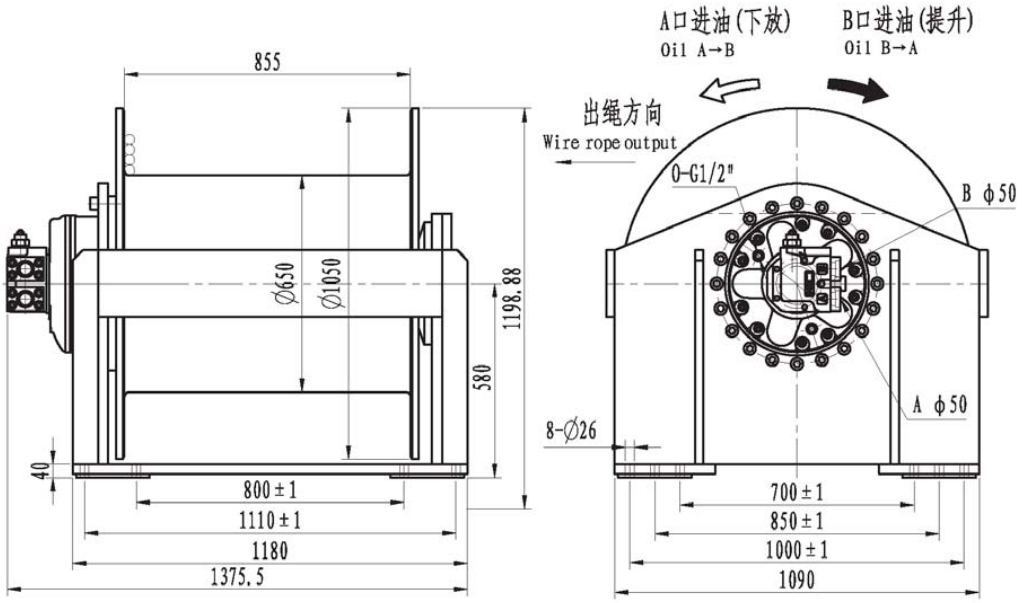
型 号 Model	第一层 The 1st layer 拉力 Pull (KN)	第一层 The 1st layer 绳速 Rope speed (m/min)	总排量 Total displacement (ml/r)	工作压差 Working pressure diff (MPa)	供油流量 Oil flow supply (L)	钢丝绳直径 Rope diameter (mm)	钢丝绳层数 Layer	容绳量 Wire rope capacity (m)	液压马达型号 Hydraulic motor	行星减速器型号 Gearbox model
IYJ45-90-169-24-ZPN	90	15	11400	16.5	110	24	4	169	INM2-300D240101P	KC45(i=37.5)
IYJ45-100-169-24-ZPN	100	15	11400	18.3	110	24	4	169	INM2-300D240101P	KC45(i=37.5)
IYJ45-110-154-26-ZPN	110	14	13012.5	17.7	120	26	4	159	INM2-350D240101P	KC45(i=37.5)
IYJ45-120-149-28-ZPN	120	14	13012.5	19.3	120	28	4	149	INM2-350D240101P	KC45(i=37.5)

液压原理图
Hydraulic principle diagram



注：1、马达泄漏口O必须直接回液压油箱，不允许连接至主回油路；
2、换向阀中位机能必须为“Y”型或“H”型；
3、液压绞车不允许载人；
4、若有特殊要求请与我们销售部门联系。

Note: 1. The drain port of the hydraulic motor must be separately connected to the hydraulic reservoir.
2. The directional control valve should be of a “Y” or “H” type in neutral position to assure the brake and activated.
3. The winch is not designed for operation involving lifting or moving personnel.
4. When there is no winch type available which meets your requirements, we ask you to contact our sales department for a specific design.

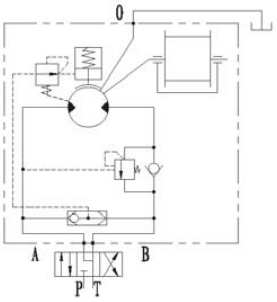


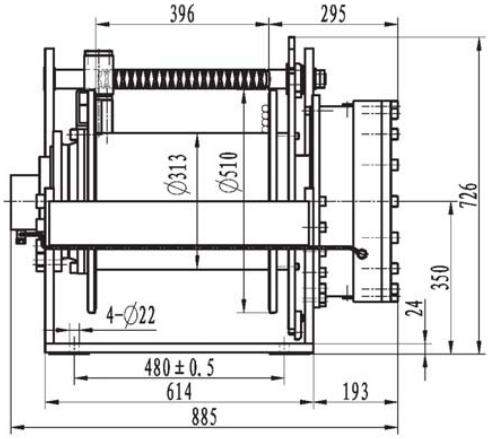
型 号 Model	第一层 The 1st layer		总排量 Total displacement (ml/r)	工作压差 Working pressure diff (MPa)	供油流量 Oil flow supply (L)	钢丝绳直径 Rope diameter (mm)	钢丝绳层数 Layer	容绳量 Wire rope capacity (m)	液压马达型号 Hydraulic motor	行星减速器型号 Gearbox model
	拉力 Pull (KN)	绳速 Rope speed (m/min)								
IYJ66-140-267-30-ZPN	140	25	19826.8	18	258	30	4	267	INM4-1000D480101P	KC66(i=19.4)
IYJ66-160-253-32-ZPN	160	23	21650.4	18.6	258	32	4	253	INM4-1100D480101P	KC66(i=19.4)
IYJ66-180-229-36-ZPN	180	20	24191.8	18.8	258	36	4	229	INM4-1250D480101P	KC66(i=19.4)
IYJ66-200-229-36-ZPN	200	20	25530.4	19.8	258	36	4	229	INM4-1300D480101P	KC66(i=19.4)

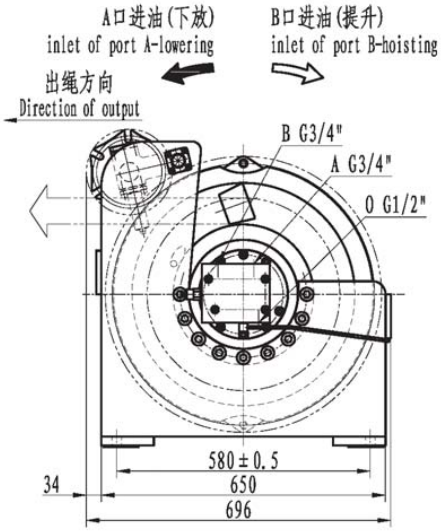
注：1、马达泄漏口O必须直接回液压油箱，不允许连接至主回油路；
2、换向阀中位机能必须为“Y”型或“H”型；
3、液压绞车不允许载人；
4、若有特殊要求请与我们销售部门联系。

Note: 1. The drain port of the hydraulic motor must be separately connected to the hydraulic reservoir.
2. The directional control valve should be of a “Y” or “H” type in neutral position to assure the brake and activated.
3. The winch is not designed for operation involving lifting or moving personnel.
4. When there is no winch type available which meets your requirements, we ask you to contact our sales department for a specific design.

液压原理图
Hydraulic principle diagram



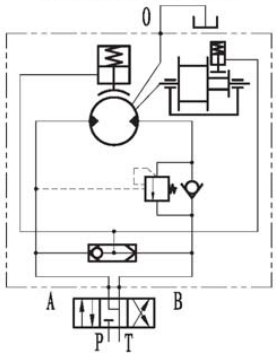




主要技术性能参数 Main specification

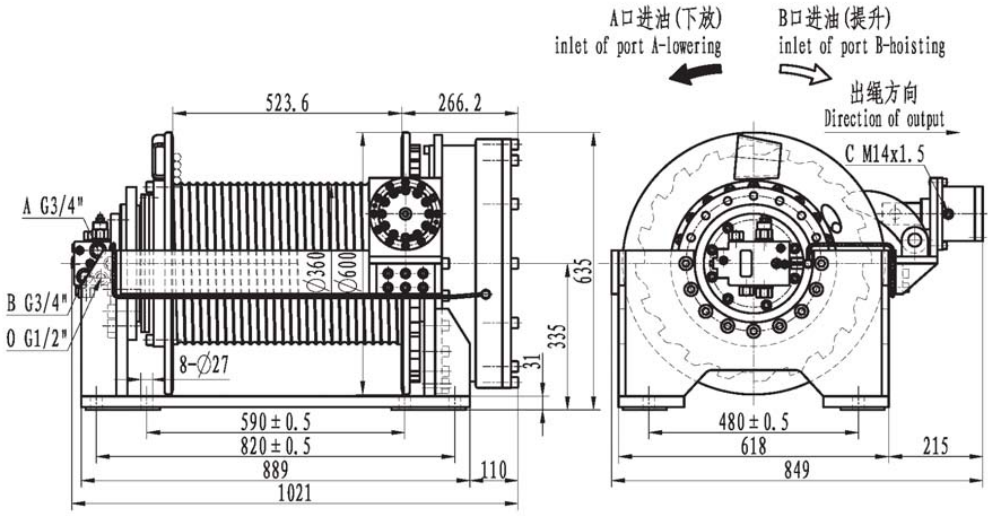
层 数 Rope Layer	1	2	3	4
额定拉力 Line pull(kg)	1700	1549	1423	1316
额定绳速 Rope speed(m/min)	20	21.9	23.8	25.8
容 绳 量 Drum Capacity(m)	24	51	79	110
总 排 量 Total Displacement(mL/r)	1666			
系统压力 System Rated Pressure(Bar)	150			
供油流量 Pump Supply Oil Flow(L/min)	36			
绳索直径 Rope Diameter(mm)	16			
液压马达型号 Hydraulic Motor Model	IM52			
减速器型号 Gearbox Model(Ratio)	KC33(i=32.1)			
马达制动扭矩 Static brake torque of motor(N·m)	400			
卷筒制动扭矩 Static brake torque of drum(N·m)	13000			

液压原理图
Hydraulic principle diagram



备注: 1.本绞车可用于载人等重要场合;
2.总排量为卷筒每转一转的供油量;
3.供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得;
4.容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

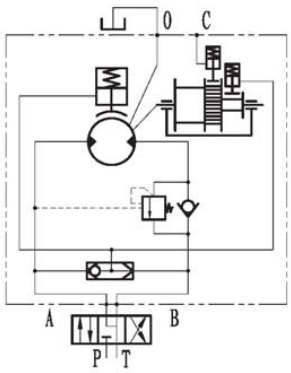
Note: 1.This winch can be used for lifting people or other important occasions.
2.Total displacement represents the capacity of oil supply per revolution.
3.Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
4.Capacity of rope is theoretical capacity of rope.The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.



三要技术性能参数 Main specification

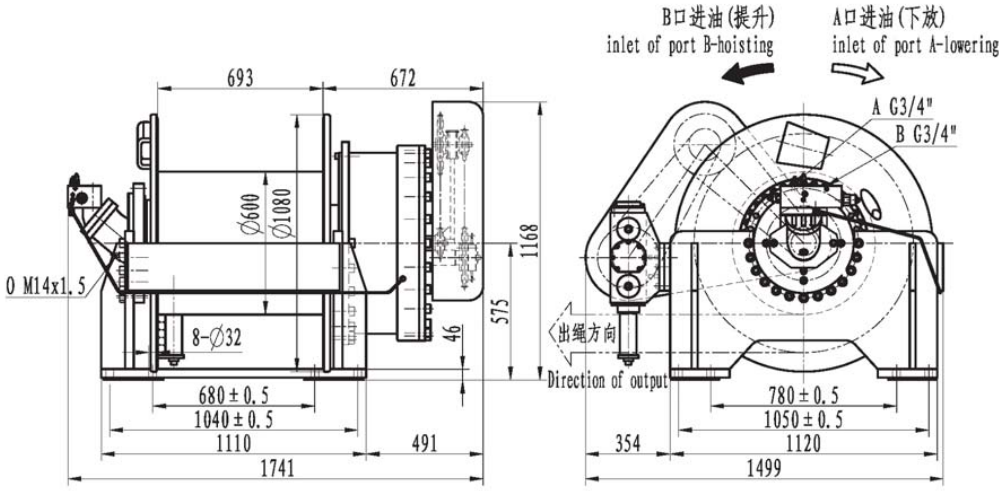
层 数 Rope Layer	1	2	3	4
额定拉力 Line pull(kN)	50	46	42	39
额定绳速 Rope speed(m/min)	42	46	50	54
容 绳 量 Drum Capacity(m)	33	69	108	150
总 排 量 Total Displacement(mL/r)	4199.1			
系统压力 System Rated Pressure(Bar)	200			
供油流量 Pump Supply Oil Flow(L/min)	162			
绳索直径 Rope Diameter(mm)	18			
液压马达型号 Hydraulic Motor Model	IM87			
减速器型号 Gearbox Model(Ratio)	IGC26(i=48.1)			
马达制动扭矩 Static brake torque of motor(N·m)	450			
卷筒制动扭矩 Static brake torque of drum(N·m)	23500			

液压原理图
Hydraulic principle diagram



备注: 1.本绞车可用于载人等重要场合;
2.总排量为卷筒每转一转的供油量;
3.供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得;
4.容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

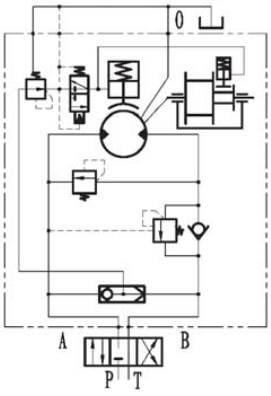
Note: 1.This winch can be used for lifting people or other important occasions.
2.Total displacement represents the capacity of oil supply per revolution.
3.Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
4.Capacity of rope is theoretical capacity of rope.The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.



主要技术性能参数 Main specification

层 数 Rope Layer	1	2	3	4
额定拉力 Line pull(kN)	50	46	42	39
额定绳速 Rope speed(m/min)	42	46	50	54
容 绳 量 Drum Capacity(m)	33	69	108	150
总 排 量 Total Displacement(mL/r)	23552			
系统压力 System Rated Pressure(Bar)	140			
供油流量 Pump Supply Oil Flow(L/min)	253			
绳索直径 Rope Diameter(mm)	32			
液压马达型号 Hydraulic Motor Model	A2FE160/6.1WVZL10			
减速器型号 Gearbox Model(Ratio)	IGC110W3(i=147.2)			
马达制动扭矩 Static brake torque of motor(N·m)	800			
卷筒制动扭矩 Static brake torque of drum(N·m)	155000			

液压原理图
Hydraulic principle diagram



备注: 1.本绞车可用于载人等重要场合;
2.总排量为卷筒每转一转的供油量;
3.供油流量是泵的理论流量，即在考虑系统容积效率为0.85的情况下计算所得;
4.容绳量为绞车的理论容绳量，实际允许的有效容绳量应考虑保留钢丝绳3圈以防绳头脱出。

Note: 1.This winch can be used for lifting people or other important occasions.
2.Total displacement represents the capacity of oil supply per revolution.
3.Flow of oil supply indicates theoretical flow of pump when the volumetric efficiency considered as 85 percent.
4.Capacity of rope is theoretical capacity of rope.The practical available capacity of rope should subtract the retained 3 circle of wire in case of rope head is out of hand.