INI® NINGBO DAGANG INI HYDRAULIC CO.,LTD.

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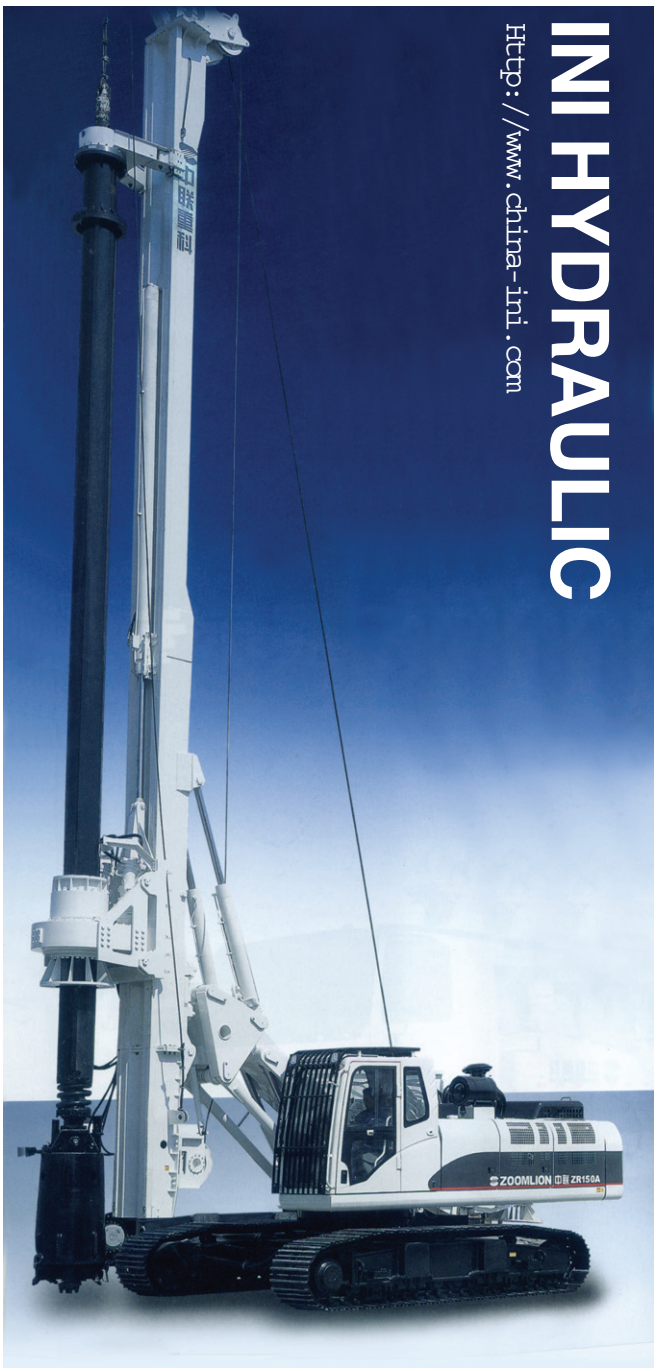
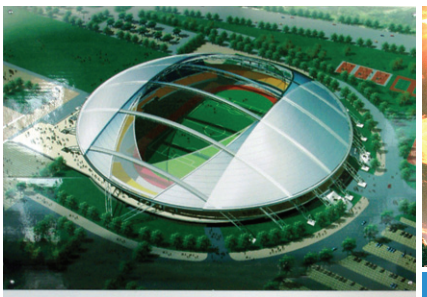
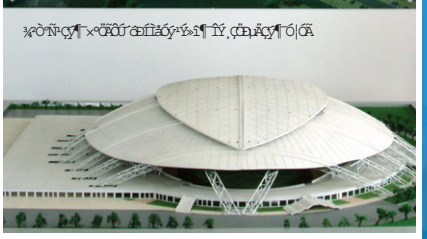
2010 Catalogue

Product
Shows & Applications



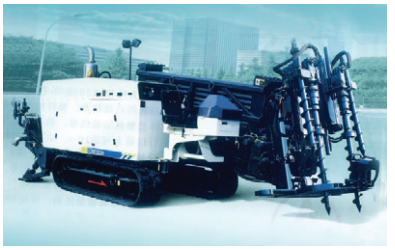








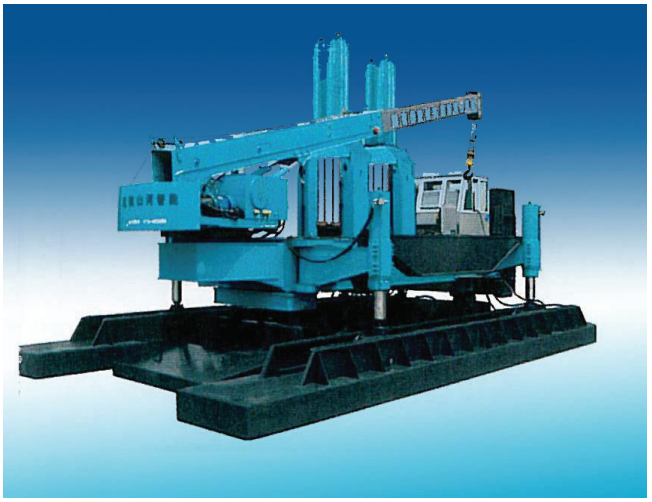
Product
Shows & Applications














Brief Introduction

NINGBO DAGANG INI HYDRAULIC CO., LTD is situated in a state-level economic and technological development zone of BEILUN district, NINGBO. The factory covers almost 40,000 m^2, with 38,000 m^2 building area. The registered capital is 6,500,000 USD, and the total investment is 15,000,000 USD. Currently, the company is staffed with 400 employees, 20% among whom are professional technicians. The company has a strong R&D team, led by the general manager-a professorate senior engineer, who takes special allowance from State Council. The team also includes one doctor, two masters, senior engineers, engineers and engineer trainees, and two retired German experts from ZF GROUP as honor employees. They will come to the factory to help and give advices once a year. Up to now, the company owns eight invention patents and thirty practical innovation and figure patents. Several other patents are under reviewing. The company is specialized in manufacturing of electro-hydraulic proportional valves, hydraulic motors, hydrostatic drives, hydraulic winches, planetary gearboxes, high accuracy rotary flow dividers and the whole set of hydraulic system. These patent products are widely used in engineering machinery, petroleum, mining industry, geological exploration, ships, metallurgy, light industry, agriculture, landscape, environment and military industry. Now we are stepping into the international market, and our products are being exported to Southeast Asia, Middle East, Germany, USA, Netherlands, Turkey, India, Russia, Korea and other countries and regions around the world.

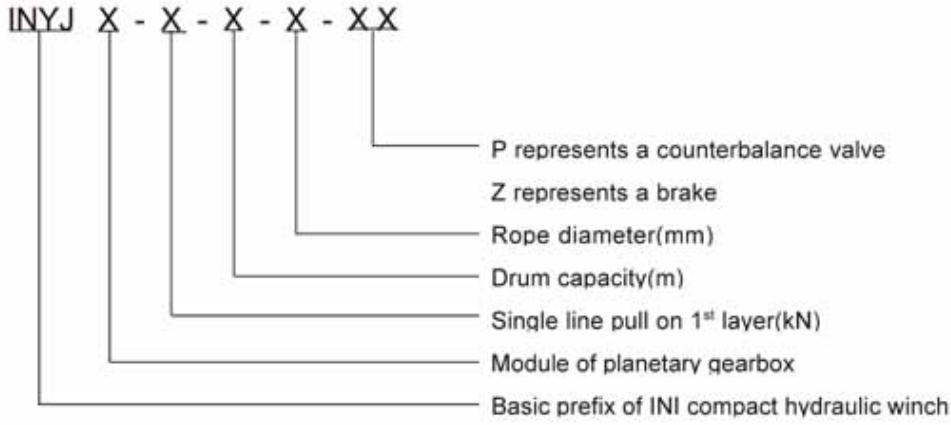
The company has more than 150 advanced manufacturing equipment, half of which were imported. 60% of all the machines are CNC, including three-dimension coordinate measuring machine, universal gear measuring machine, digital ultrasonic inspection machine, and universal tool microscope. A static hydrostatic drives lab and 12 factory test stands were established for product testing. The company passed ISO 9001 quality system certification, CCS certification and CE certification. The annual sales volume reaches 250 million RMB, with a production capacity of over 300 million RMB. The company was appraised as a state-level high-tech enterprise and is a patent pioneer enterprise.

INYJ Hydraulic Winch Series

1. Brief Introduction

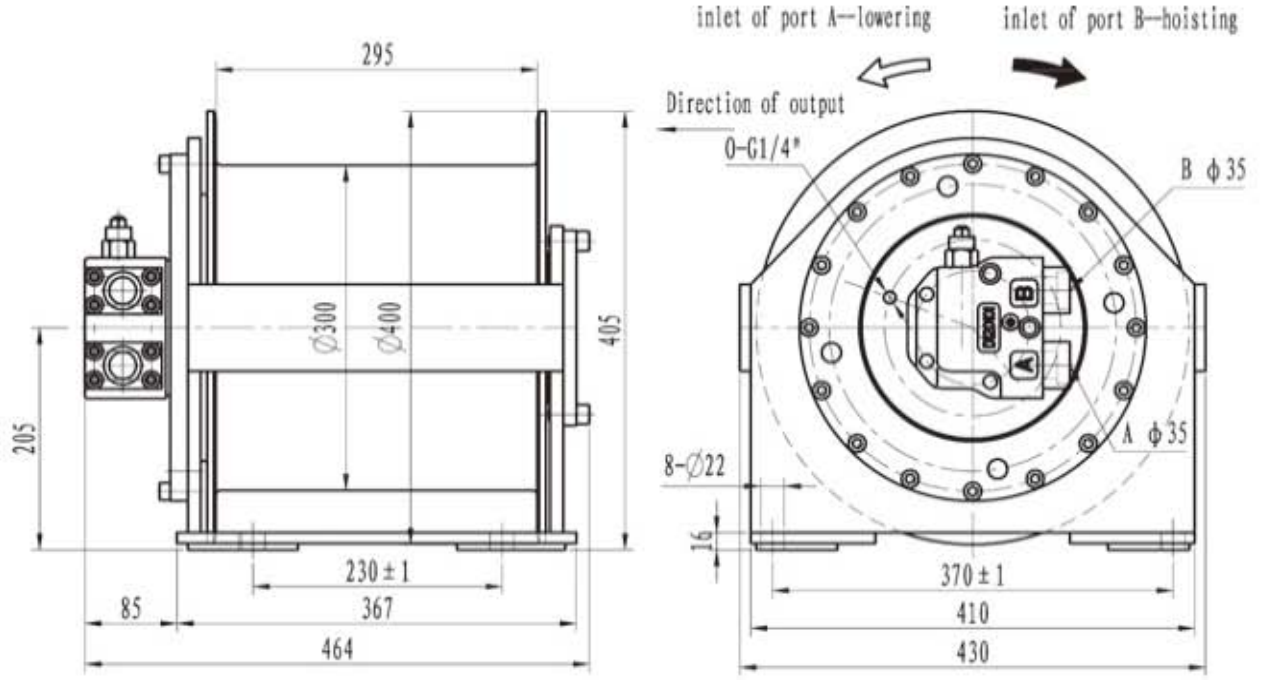
The INYJ hydraulic winch series are the patent products of our company, and consist of IKY hydraulic drives with brakes, a variety of distributors with shuttle valves controlling the brake and single or dual counterbalance valves, drum, frame and so on(to see hydraulic diagram). The user only needs to provide a hydraulic power pack and directional valve. Except distributors and valve blocks, the other parts are all installed inside the drum of winch. Therefore, the winches have compact structure and less axial dimension. In addition, the winches feature a high efficiency when start and operation, low noise and energy consumption, and have a good-look and good economic value. Therefore, the series have been widely applied to construction, petroleum, mining, geological drilling, ship and deck machinery. INYJ series hydraulic winches have been well sold in China, and also have been exported to Singapore, India, Korea, Norway, Netherlands and so on.

2. Model Options



3. Options Example

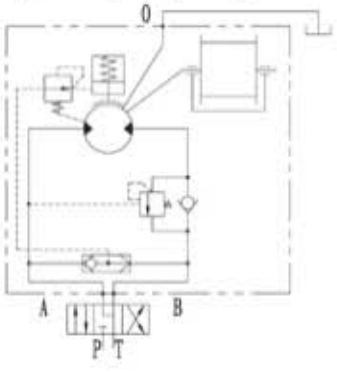
INYJ2.53-25-165-14-ZP represents that the hydraulic winch adopts a two stage planetary gearbox and that the modules of the gearbox are 2.5 and 3 respectively. The rated line pull on 1st layer is 25kN, drum capacity is 165m, rope diameter is 14 mm. the winch is fitted with brake, counterbalance valve.

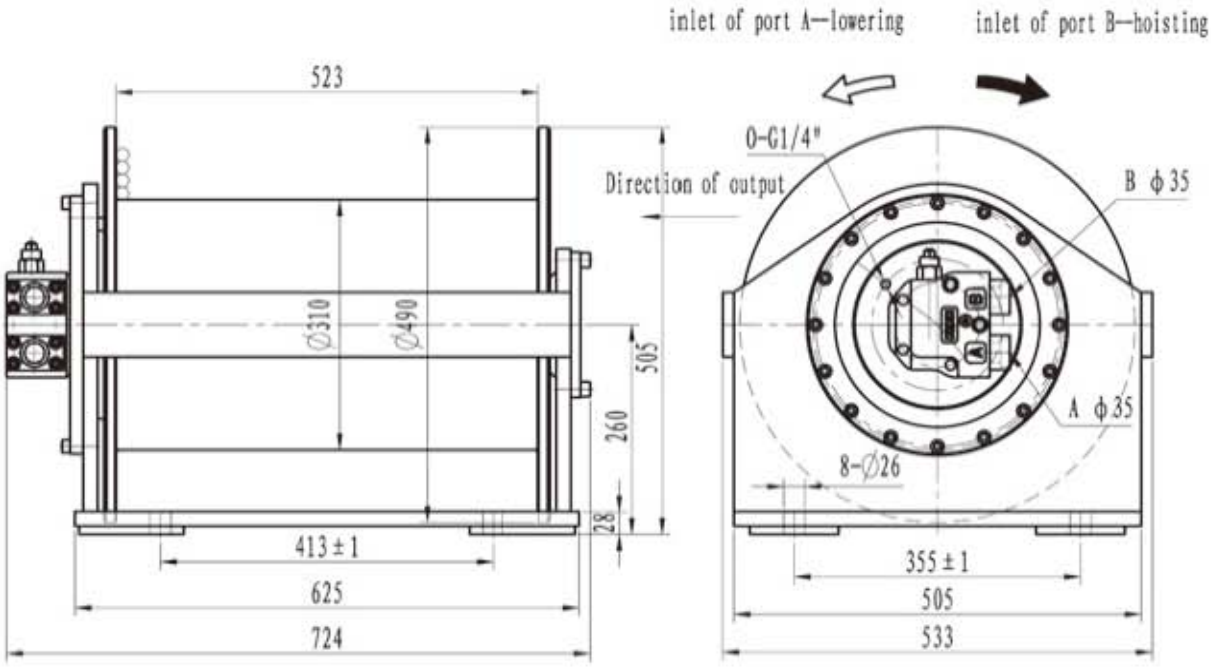


Model	The 1st layer		Total	Working	Supply	Diameter	Layer	Capacity	Hydraulic motor	Gearbox
	Pull (KN)	Rope speed (m/min)	displacement (ml/r)	pressure diff. (MPa)	oil flow (L)	of rope (mm)		of rope (m)		model
INYJ3-10-122-10-ZP	10	54	859.5	14.3	56	10	4	122	INM05-170D120101P	KC3(i=4.5)
INYJ3-15-122-10-ZP	15	55	859.5	21.5	56	10	4	122	INM05-170D120101P	KC3(i=4.5)
INYJ3-20-66-14-ZP	20	43	1146	21.5	56	14	3	66	INM05-200D120101P	KC3(i=6)

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.

Hydraulic principle diagram





Model	The 1st layer		Total	Working	Supply	Diameter	Layer	Capacity	Hydraulic motor	Gearbox
	Pull (KN)	Rope speed (m/min)	displacement (ml/r)	pressure diff. (MPa)	oil flow (L)	of rope (mm)		of rope (m)		model
INYJ2.53-25-165-14-ZP	25	33	1634	19.8	60	14	4	165	INM05-90D120101P	KC2.53(i=19)
INYJ2.53-30-165-14-ZP	30	25	2185	17.8	60	14	4	165	INM05-110D120101P	KC2.53(i=19)
INYJ2.53-40-149-16-ZP	40	26	2451	21.3	70	16	4	149	INM05-130D120101P	KC2.53(i=19)
INYJ2.53-50-149-16-ZP	50	23	3154	20.7	80	16	4	149	INM05-170D120101P	KC2.53(i=19)
INYJ2.53-60-149-16-ZP	60	21	3629	21.6	80	16	4	149	INM05-200D120101P	KC2.53(i=19)

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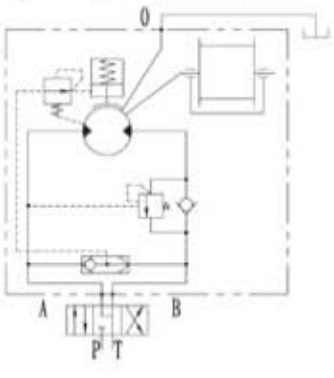
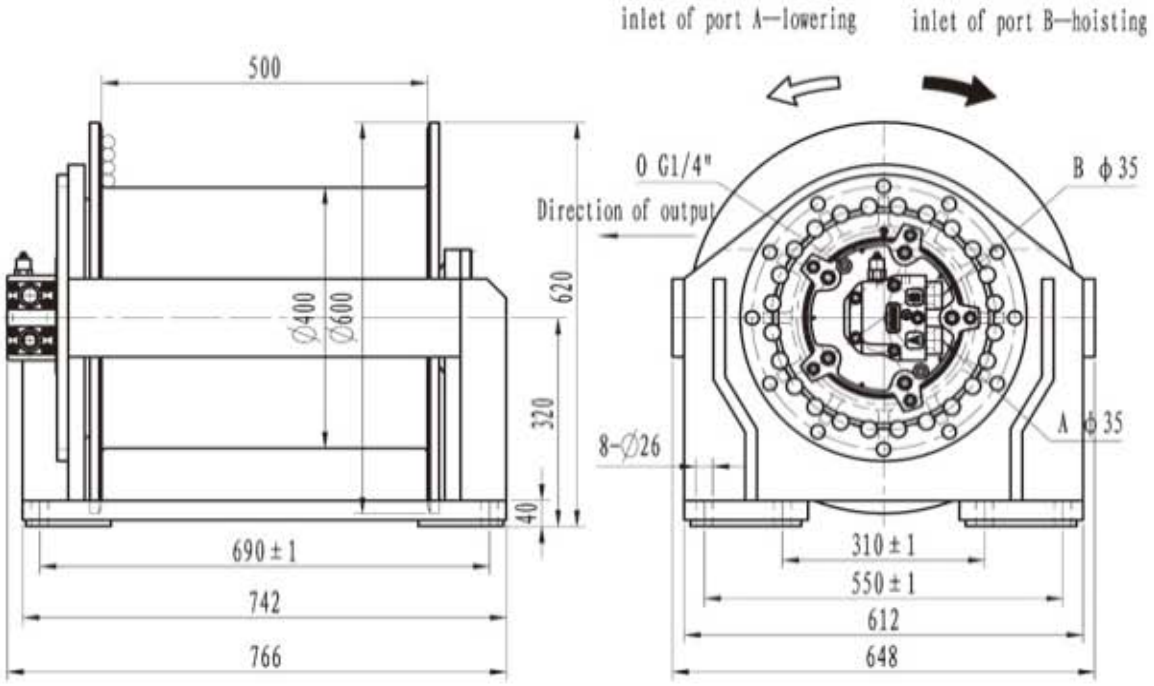
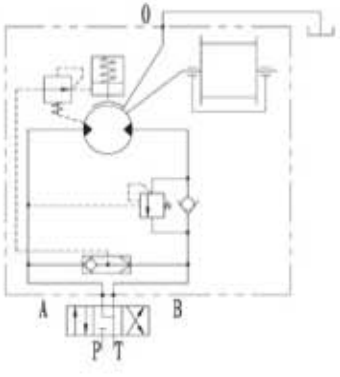




Model	The 1st layer		Total displacement (ml/r)	Working pressure diff. (MPa)	Supply oil flow (L)	Diameter of rope (mm)	Layer	Capacity of rope (m)	Hydraulic motor	Gearbox model
	Pull (KN)	Rope speed (m/min)								
INYJ34-60-160-18-ZP	60	14	5775	16.6	70	18	4	160	INM1-150D120101P	KC34(i=37.5)
INYJ34-70-160-18-ZP	70	13	6450	17.3	70	18	4	160	INM1-175D120101P	KC34(i=37.5)
INYJ34-80-90-24-ZP	80	14	7537.5	17.2	90	24	3	90	INM1-200D120101P	KC34(i=37.5)
INYJ34-90-90-24-ZP	90	12	9112.5	16	90	24	3	90	INM1-250D120101P	KC34(i=37.5)
INYJ34-100-90-24-ZP	100	12	9112.5	17.8	90	24	3	90	INM1-250D120101P	KC34(i=37.5)

Hydraulic principle diagram



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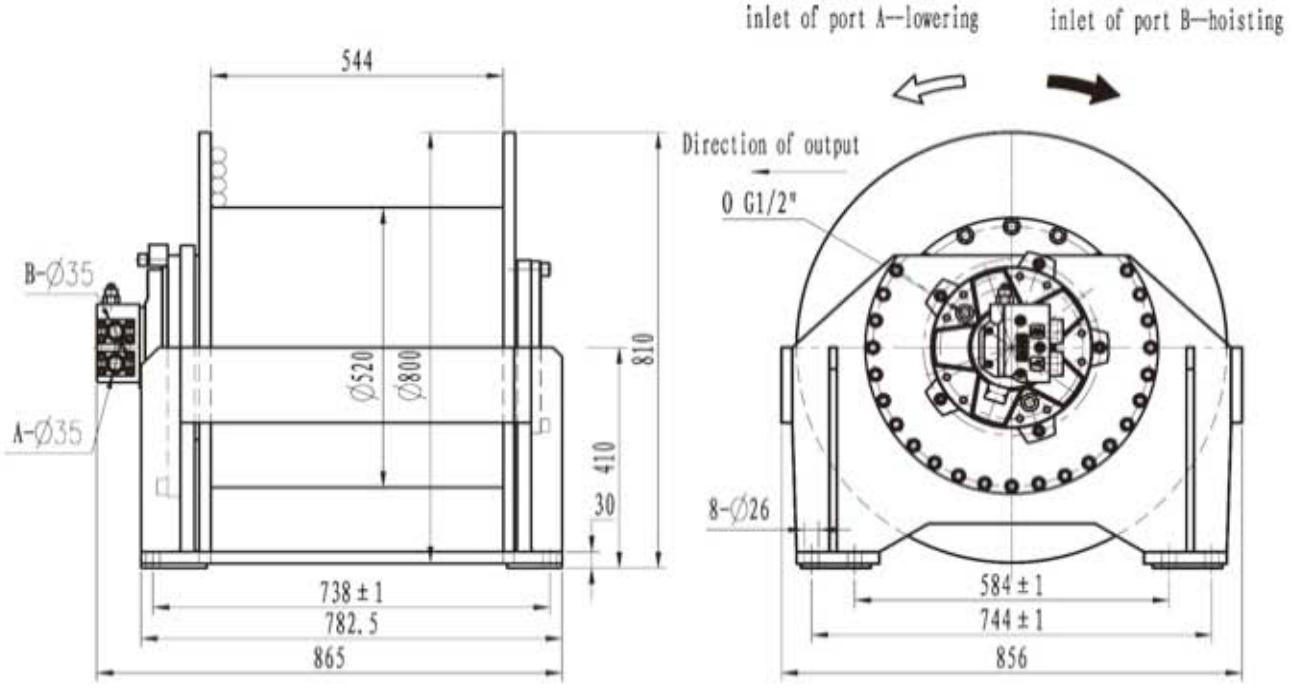

Model	The 1st layer		Total displacement (ml/r)	Working pressure diff. (MPa)	Supply oil flow (L)	Diameter of rope (mm)	Layer	Capacity of rope (m)	Hydraulic motor	Gearbox model
	Pull (KN)	Rope speed (m/min)								
INYJ45-90-169-24-ZP	90	15	11400	16.5	110	24	4	169	INM2-300D240101P	KC45(i=37.5)
INYJ45-100-169-24-ZP	100	15	11400	18.3	110	24	4	169	INM2-300D240101P	KC45(i=37.5)
INYJ45-110-154-26-ZP	110	14	13012.5	17.7	120	26	4	159	INM2-350D240101P	KC45(i=37.5)
INYJ45-120-149-28-ZP	120	14	13012.5	19.3	120	28	4	149	INM2-350D240101P	KC45(i=37.5)

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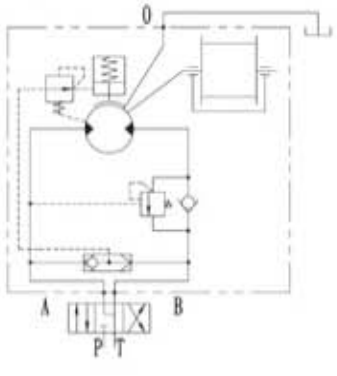

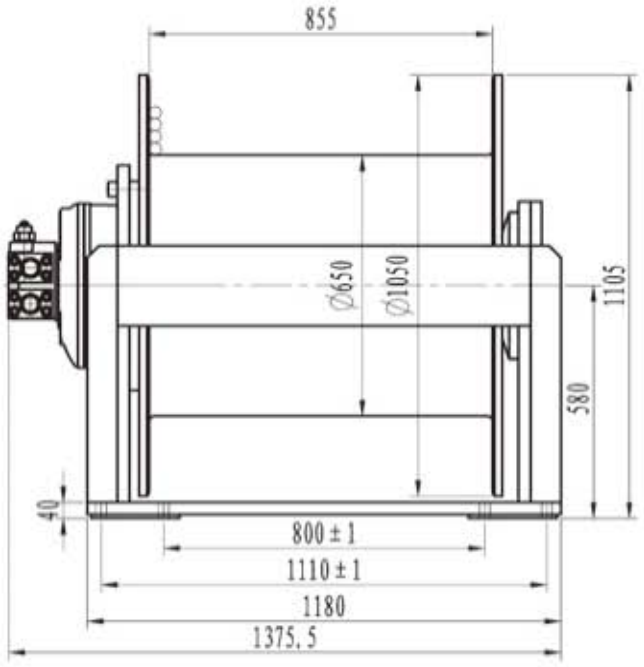

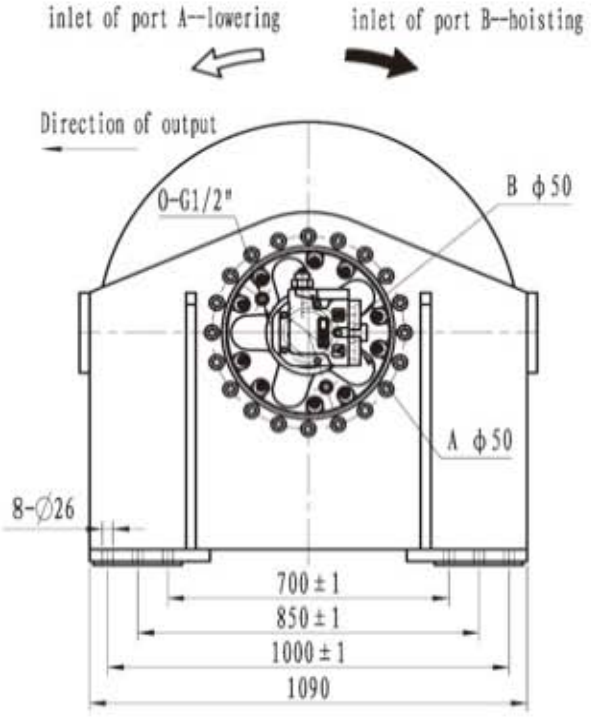

Model	The 1st layer		Total	Working	Supply	Diameter	Layer	Capacity	Hydraulic motor	Gearbox
	Pull (KN)	Rope speed (m/min)	displacement (ml/r)	pressure diff. (MPa)	oil flow (L)	of rope (mm)		of rope (m)		model
INYJ66-140-267-30-ZP	140	25	19826.8	18	258	30	4	267	INM4-1000D480101P	KC66(i=19.4)
INYJ66-160-253-32-ZP	160	23	21650.4	18.6	258	32	4	253	INM4-1100D480101P	KC66(i=19.4)
INYJ66-180-229-36-ZP	180	20	24191.8	18.8	258	36	4	229	INM4-1250D480101P	KC66(i=19.4)
INYJ66-200-229-36-ZP	200	20	25530.4	19.8	258	36	4	229	INM4-1300D480101P	KC66(i=19.4)

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