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ISO 9001:2008



Boyu[®]

Stringing Equipment

Machines and Tools for Overhead Power Lines

2016 Catalogue





Stringing Equipment

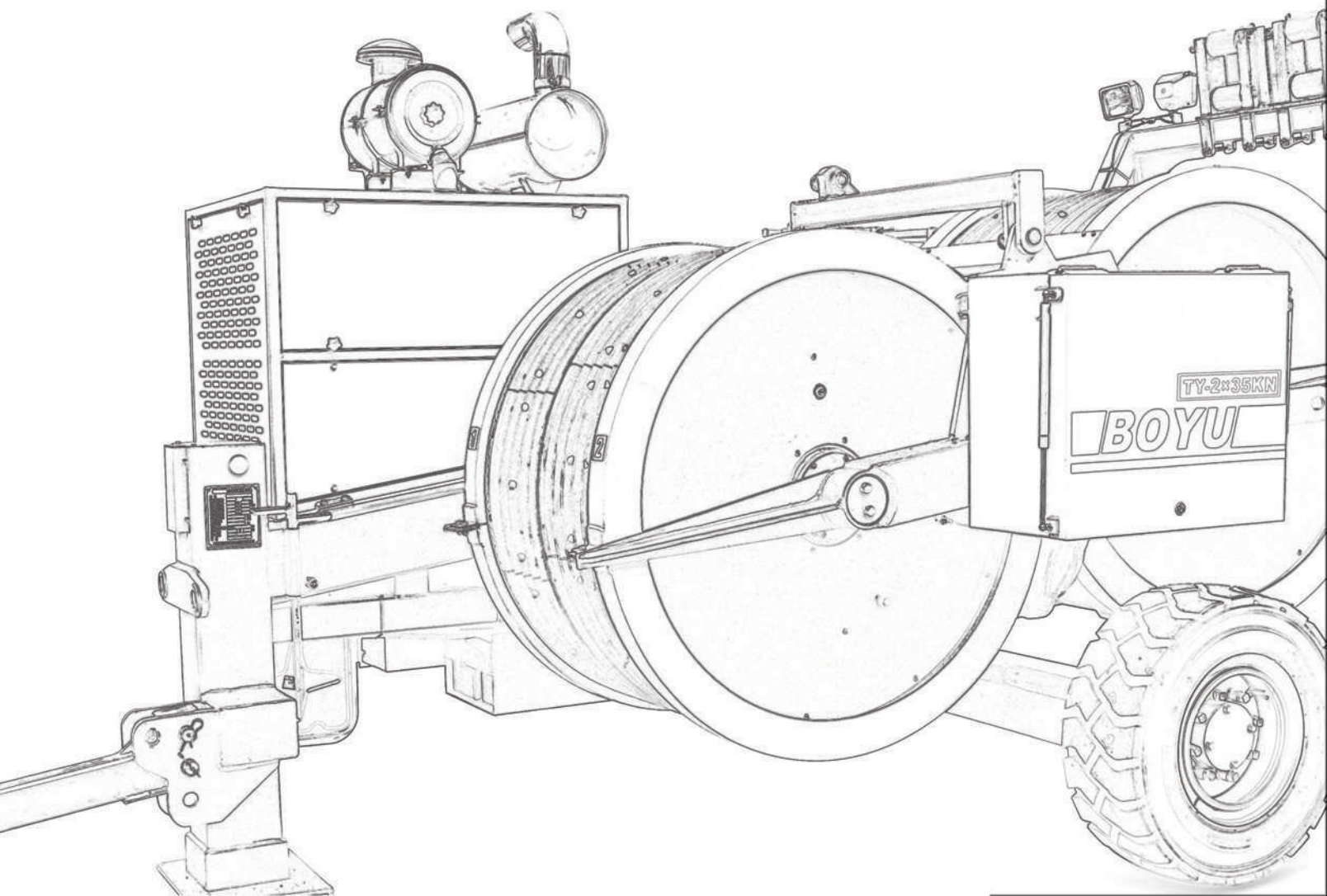
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TENSIONERS

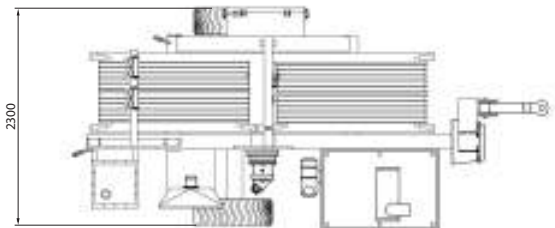
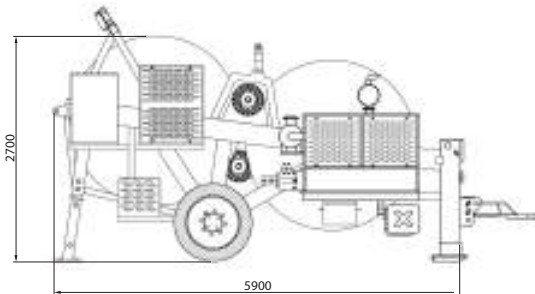


HYDRAULIC TENSIONER TY4X50

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The machine allows for the tension stringing of max 4-bundle conductor of 630mm² and below in mountainous and hilly areas, of max 4-bundle conductor of 720mm² and below in flat lands, and of 2 conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains



Performance

Max intermittent tension	4x50/2x100kN
Max continuous tension	4x40/2x80kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	4x20/2x40kN
Max reverse pulling force	4x40/2x80kN
Max reverse pulling speed	1.25km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1500mm
Max conductor diameter	40mm
Groove number	4x5
Total weight	13000kg
Overall dimension	5900x2300x2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

- 4 hydraulic dynamometers
- Hydraulic oil cooling system
- 4 negative self-acting hydraulic brakes
- 4 digital speed and meter counters
- Control instruments for hydraulic system and diesel engine
- Hydraulic power pack to control up to 4 separated drum stands with hydraulic motor
- Hydraulic front and behind stabilizer
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer
- 4 hydraulic conductor clamps for drum change operations (extra charge)
- Digital speed and meter counter
- 2 hydraulic behind stabilizers and 1 front stabilizer
- 4 swivel guide conductor roller
- Trailer for towing at max speed of 30 km/h

HYDRAULIC TENSIONERS

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The machine allows for the tension stringing of twin-bundle conductor of 630mm² and below in mountainous and hilly areas, of twin-bundle conductor of 720mm² and below in flat lands, and of 1 conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains

Performance

Max intermittent tension	2x100/1x200kN
Max continuous tension	2x90/1x180kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x40/1x80kN
Max reverse pulling force	2×80/1×160kN
Max reverse pulling speed	2km/h

Engine

Diesel	130kw(2500r/min)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1900mm
Max conductor diameter	50mm
Groove number	2x6
Total weight	7500kg
Overall dimension	5400x2300x2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

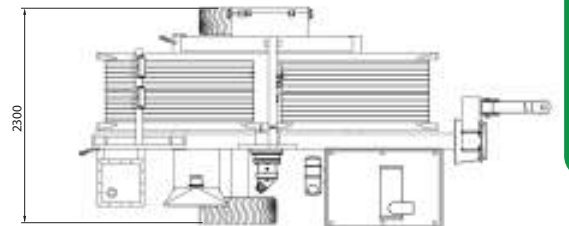
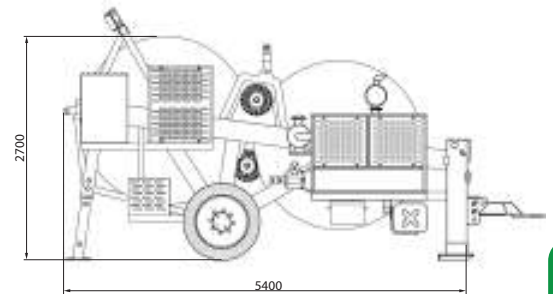
- 2 negative self-acting hydraulic brakes
- 2 hydraulic dynamometers
- Hydraulic oil cooling system
- 2 digital meter counters
- 2 digital speed meters
- Control instruments for hydraulic system and diesel engine
- Rigid axle for towing at max speed of 30km/h with mechanical parking brake
- Hydraulic power pack to control up to 2 separate drum stands with hydraulic motor
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- 2 hydraulic rope/conductor clamp (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter
- Air brake system for the trailer

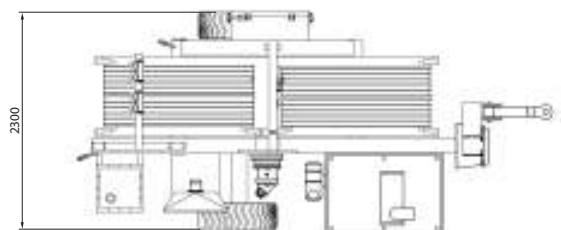
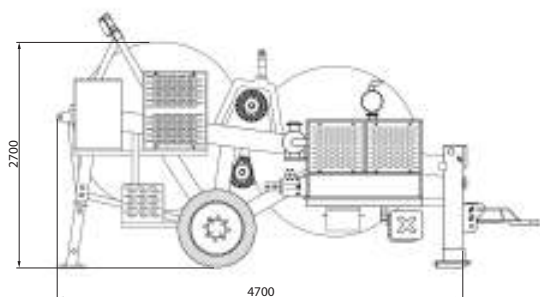


HYDRAULIC TENSIONER TY2×70

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The machine allows for the tension stringing of twin-bundle conductor of 630mm² and below in mountainous and hilly areas, of twin-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains



Performance

Max intermittent tension	2x70/1x140kN
Max continuous tension	2x65/1x130kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x25/1x50kN
Max reverse pulling force	2x60/1x120kN
Max reverse pulling speed	5km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1700mm
Max conductor diameter	40mm
Groove number	2x6
Total weight	7500kg
Overall dimension	4700×2300×2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

- 2 negative self-acting hydraulic brakes
- 2 hydraulic dynamometers
- Hydraulic oil cooling system
- 2 digital meter counters
- 2 digital speed meters
- Control instruments for hydraulic system and diesel engine
- Rigid axle for towing at max speed of 30km/h with mechanical parking brake
- Hydraulic power pack to control up to 2 separate drum stands with hydraulic motor
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- 2 hydraulic rope/conductor clamp (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter
- Air brake system for the trailer

HYDRAULIC TENSIONERS

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1100

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The machine allows for the tension stringing of four-bundle conductor of 630mm² and below in mountainous and hilly areas, of four-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains

Performance

Max intermittent tension	2x70/1x140kN
Max continuous tension	2x65/1x130kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x25/1x50kN
Max reverse pulling force	2x60/1x120kN
Max reverse pulling speed	5km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1500mm
Max conductor diameter	40mm
Groove number	2x8
Total weight	10000kg
Overall dimension	5500x2280x2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

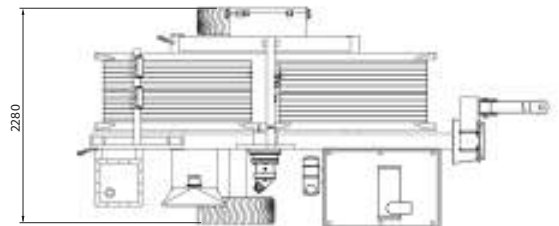
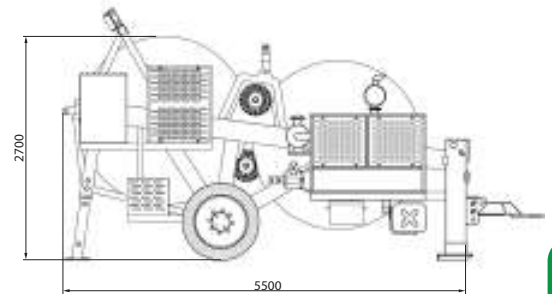
- 2 hydraulic dynamometers
- Hydraulic oil cooling system
- 2 digital meter counters
- 2 digital speed meters
- Control instruments for hydraulic system and diesel engine
- Hydraulic front stabilizer
- Grounding connection point
- Hydraulic power pack to control up to 4 separated drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer (extra charge)
- 4 hydraulic conductor clamps for drum change operations (extra charge)
- Digital speed and meter counter



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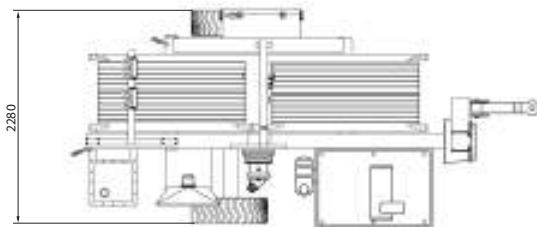
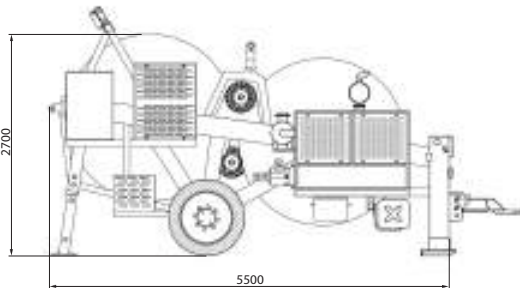


HYDRAULIC TENSIONER TY1×140IV

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The machine allows for the tension stringing of four-bundle conductor of 630mm² and below in mountainous and hilly areas, of four-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains



Performance

Max intermittent tension	1x140kN
Max continuous tension	1x120kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	35kN
Max reverse pulling force	1x120kN
Max reverse pulling speed	1.2km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1500mm
Max conductor diameter	40mm
Groove number	16
Total weight	10000kg
Overall dimension	5500×2280×2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

- Hydraulic dynamometers
- Hydraulic oil cooling system
- Digital speed and meter counter
- Hydraulic front stabilizer
- Grounding connection point
- Hydraulic power pack to control up to 4 separated drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- 4 hydraulic rope/conductor clamp (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter

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Overseas Development Department

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The machine allows for the tension stringing of twin-bundle conductor of 630mm² and below in mountainous and hilly areas, of twin-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains

Performance

Max intermittent tension	2x55/1x110kN
Max continuous tension	2x50/1x100kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x25/1x50kN
Max reverse pulling force	2x45/1x90kN
Max reverse pulling speed	5km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1300/1500mm
Max conductor diameter	40mm
Groove number	2x5
Total weight	6000kg
Overall dimension	4700x2300x2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

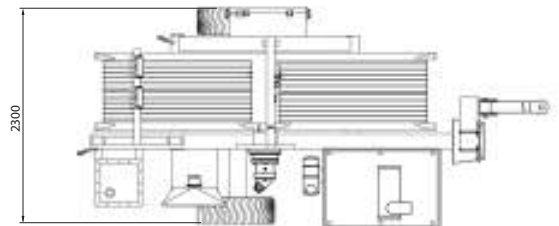
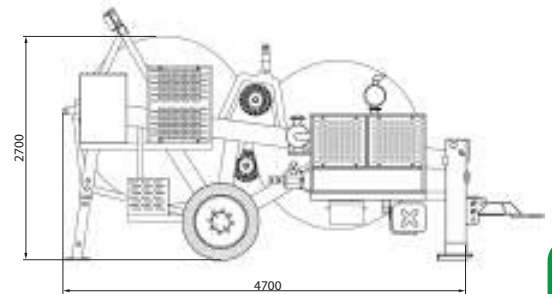
- 2 hydraulic dynamometers
- Hydraulic oil cooling system
- 2 digital meter counters
- 2 digital speed meters
- Control instruments for hydraulic system and diesel engine
- Hydraulic front stabilizer
- Grounding connection point
- Hydraulic power pack to control up to 2 separated drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

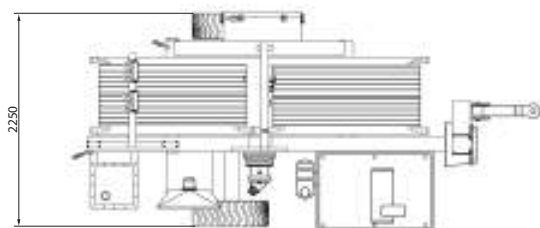
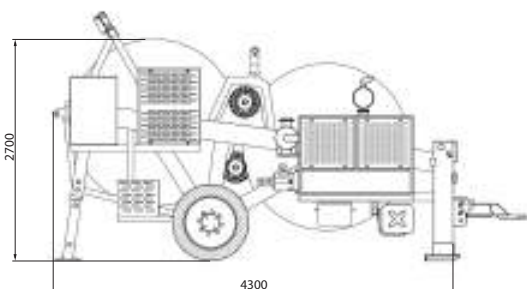
- Lighting system for the trailer
- Air brake system for the trailer (extra charge)
- 2 hydraulic conductor clamps for drum change operations (extra charge)
- Digital speed and meter counter



HYDRAULIC TENSIONER TY2×40



The machine allows for the tension stringing of twin-bundle conductor of 630mm² and below in mountainous and hilly areas, of twin-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains



HYDRAULIC TENSIONERS

Performance

Max intermittent tension	2x45/1x90kN
Max continuous tension	2x40/1x80kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x20/1x40kN
Max reverse pulling force	2×35/1x70kN
Max reverse pulling speed	5km/h

Configuration

- Hydraulic dynamometers
- Hydraulic oil cooling system
- Digital speed and meter counter
- Hydraulic front stabilizer
- Grounding connection point
- Hydraulic power pack to control up to 2 separated drum stands with hydraulic motor

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Characteristics

Bull-wheel diameter	1300/1500mm
Max conductor diameter	40mm
Groove number	2x5
Total weight	6230kg
Overall dimension	4300×2250×2700mm

Additional Devices

- Lighting system for the trailer
- 2 hydraulic rope/conductor clamp (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

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Performance

Max intermittent tension	2x40/1x80kN
Max continuous tension	2x35/1x70kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	2x20/1x40kN
Max reverse pulling force	2x30/1x60kN
Max reverse pulling speed	5km/h

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1300mm
Max conductor diameter	40mm
Groove number	2x5
Total weight	4500kg
Overall dimension	4300x2250x2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

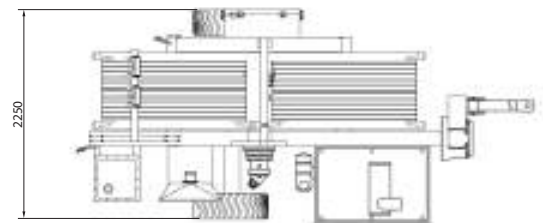
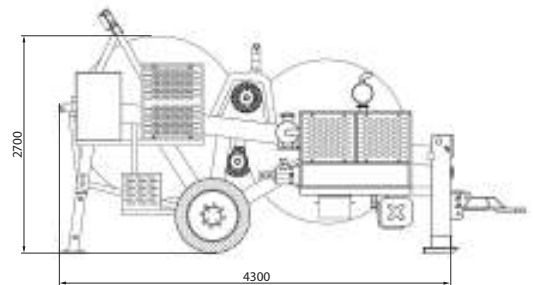
- Hydraulic dynamometers
- Hydraulic oil cooling system
- Digital speed and meter counter
- Grounding connection point
- Hydraulic power pack to control up to 2 separated drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer (extra charge)
- 2 hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller



HYDRAULIC TENSIONER TY1×160

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The machine allows for the tension stringing of one, two, three or four-bundle conductor of 630mm²; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains, suitable for use at altitudes up to 1500 meters above sea level.

Performance

Max tension	1x160kN
Speed at max tension	2.5km/h
Max feeding speed	6km/h
Corresponding tension	1x80kN
Max reverse pulling force	1x160kN
Max reverse pulling speed	1.25km/h

Engine

Diesel	130hp
Cooling system	liquid
Electrical system	24V

Characteristics

Bull-wheel diameter	1500mm
Groove number	16
Max conductor diameter	42mm
Total weight	13500kg
Overall dimension	5500×2300×2950mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

- Negative self-acting hydraulic brakes
- Hydraulic dynamometers, Hydraulic oil cooling system
- Digital speed and meters counter
- Control instruments for hydraulic system and diesel engine
- Rigid axle for towing at max speed of 30km/h with parking brake
- Hydraulic power pack to control up to 4 separate drum stands with hydraulic motor
- Hydraulic front and behind stabilizer
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer
- 4 hydraulic conductor clamps for drum change operations (extra change)
- Digital speed and meter counter
- 4 swivel guide rope roller
- Trailer for towing at max speed of 30 km/h

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The machine allows for the tension stringing of twin-bundle conductor of 630mm² and below in mountainous and hilly areas, of twin-bundle conductor of 720mm² and below in flat lands, and of conductor 720mm² in various terrains; besides, it can be used for tension stringing of OPGW or ADSS optical cable and 500kV haulage rope in various terrains, suitable for use at altitudes up to 1500 meters above sea level.

Performance

Max tension	1x80kN
Speed at max tension	2.5km/h
Max speed	6km/h
Pull at max speed	1x40kN
Max reverse pulling force	1x70kN

Engine

Diesel	105hp
Cooling system	liquid
Electrical system	24V

Characteristics

Bull-wheel diameter	1500mm
Groove number	8
Max conductor diameter	42mm
Total weight	6230kg
Overall dimension	4500×2350×2700mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

- Negative self-acting hydraulic brakes
- Hydraulic dynamometers, Hydraulic oil cooling system
- Digital speed and meters counter
- Control instruments for hydraulic system and diesel engine
- Rigid axle for towing at max speed of 30km/h with parking brake
- Hydraulic power pack to control up to 2 separate drum stands with hydraulic motor
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- 2 hydraulic rope/conductor clamp(extra charge)
- Swivel guide rope roller
- Hydraulic front stabilizer
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter

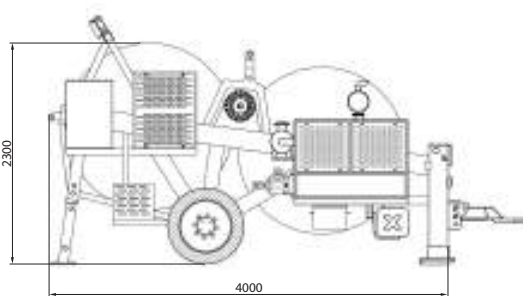
HYDRAULIC TENSIONERS



HYDRAULIC TENSIONER TY1×50



The machine is hydraulically controlled for the tensile force and complete with quality parts and components such as hydraulic break, high-performance finned radiator, hydraulic power unit, precision filtering unit to support the safe, high-quality and efficient performance. The hydraulic power unit provides the traction of conductors at both positive and negative directions. The single-beam trailer chassis is also adopted, where lifting points are pre-set for anchoring and temporary anchoring, to achieve a portable compact integrity easy to be loaded, transported and transferred.



Performance

Max intermittent tension	50kN
Max continuous tension	40kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	25kN
Max reverse pulling force	45kN
Max reverse pulling speed	2.4km/h

Configuration

- Hydraulic dynamometers
- Hydraulic oil cooling system
- Mechanical meter counters
- Grounding connection point
- Hydraulic power pack to control drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter

Engine

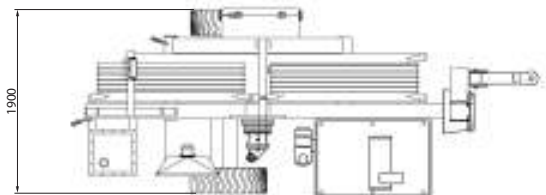
Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1300/1500mm
Max conductor diameter	55mm
Max Optical fiber cable diameter	21mm
Groove width	68mm
Groove number	5
Total weight	2400kg
Overall dimension	4000×1900×2300mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth



HYDRAULIC TENSIONERS

Certified Quality System
ISO 9001:2008



1140

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Yixing Boyu Electric Power Machinery Co.,Ltd.

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Operated with 50kN tension machine, this machine is mainly applied in hilly and flat lands for tension stringing of 500kV conductors, and because of the great convenience brought by the reverse traction function, it is the better choice for the construction in small projects of transmission lines such as the modification works of rural and urban networks.

Performance

Max intermittent tension	45kN
Max continuous tension	40kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	20kN
Max reverse pulling force	35kN

Engine

Diesel	77kw(103hp)
Cooling system	water
Electrical system	24V

Characteristics

Bull-wheel diameter	1300mm
Max conductor diameter	40mm
Max Optical fiber cable diameter	21mm
Groove width	55mm
Groove number	5
Total weight	3430kg
Overall dimension	4000x2000x2300mm

Main configuration

Engine	Cummins
Hydraulic pump	German Rexroth/Dnish Danfoss
Main motor	German Rexroth/French Leduc
Speed reducer	German Rexroth
Hydraulic meter	German WIKA
Operating handle	German Rexroth

Configuration

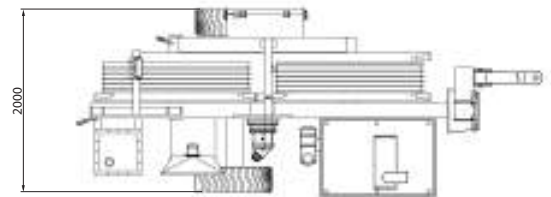
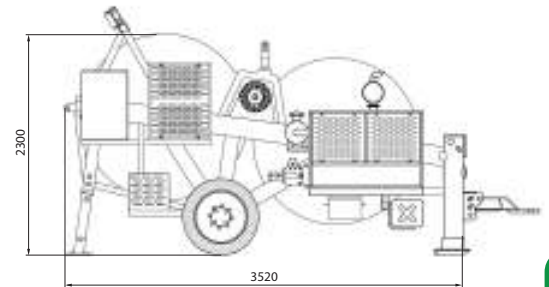
- Hydraulic dynamometers
- Hydraulic oil cooling system
- Mechanical meter counters
- Grounding connection point
- Hydraulic power pack to control drum stands with hydraulic motor

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Lighting system for the trailer
- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h
- Digital speed and meter counter

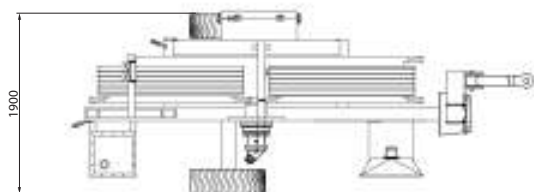
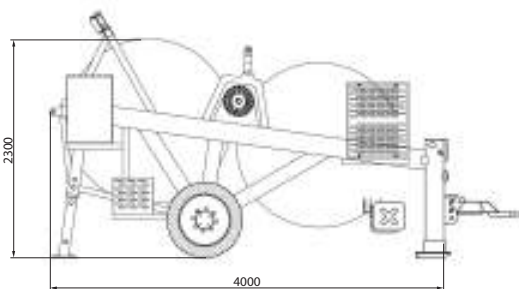


HYDRAULIC TENSIONER TY1×30

Boyu[®]



The machine is hydraulically controlled for the tensile force and complete with quality parts and components such as hydraulic break, high-performance finned radiator, hydraulic power unit, precision filtering unit to support the safe, high-quality and efficient performance. The hydraulic power unit provides the traction of conductors at both positive and negative directions. The single-beam trailer chassis is also adopted, where lifting points are pre-set for anchoring and temporary anchoring, to achieve a portable compact integrity easy to be loaded, transported and transferred.



Performance

Max continuous tension	30kN
Speed at max tension	2.5km/h
Max speed	5km/h
Tension at max speed	15kN
Max reverse pulling force	20kN

Engine

Gassoline engine	12kw(16hp)
Electrical system	12V

Characteristics

Bull-wheel diameter	1300mm
Max conductor diameter	40mm
Max Optical fiber cable diameter	21mm
Groove width	60mm
Groove number	5
Total weight	2064kg
Overall dimension	3700×1950×2150mm

Main configuration

Engine	Japan Honda (or Robin)
Hydraulic pump	Tianjin Parker
Main motor	Tianjin Permco
Speed reducer	German Rexroth / Italy Brevini
Hydraulic meter	German WIKA

Configuration

- Hydraulic dynamometers
- Hydraulic oil cooling system
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h

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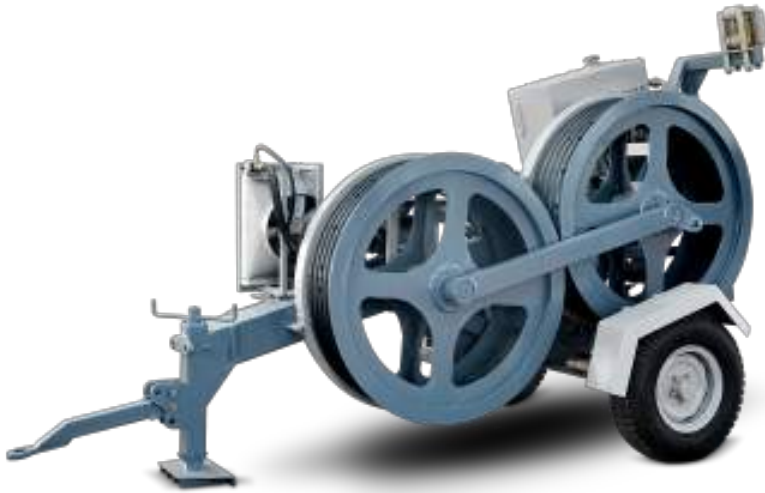
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The machine is hydraulically controlled for the tensile force and complete with quality parts and components such as hydraulic break, high-performance finned radiator, hydraulic power unit, precision filtering unit to support the safe, high-quality and efficient performance. The hydraulic power unit provides the traction of conductors at both positive and negative directions. The single-beam trailer chassis is also adopted, where lifting points are pre-set for anchoring and temporary anchoring, to achieve a portable compact integrity easy to be loaded, transported and transferred.

Performance

Max continuous tension	20kN
Max speed	5km/h

Characteristics

Bull-wheel diameter	1300mm
Max conductor diameter	40mm
Max Optical fiber cable diameter	21mm
Groove width	55mm
Groove number	5
Total weight	1920kg
Overall dimension	4080x1930x2300mm

Main configuration

Main motor	Tianjin Parker
Speed reducer	German Rexroth
Hydraulic meter	German WIKA

Configuration

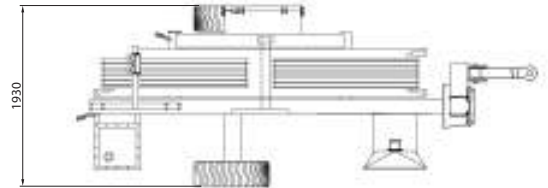
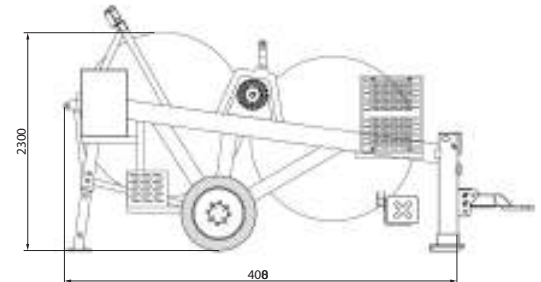
- Hydraulic dynamometers
- Hydraulic oil cooling system
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

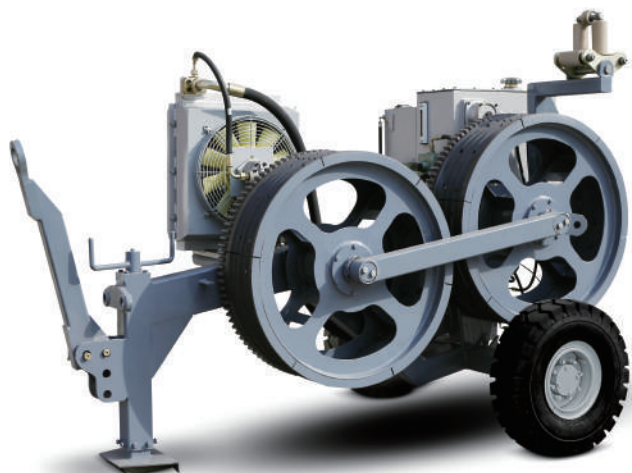
Additional Devices

- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h

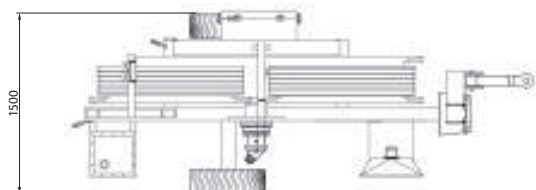
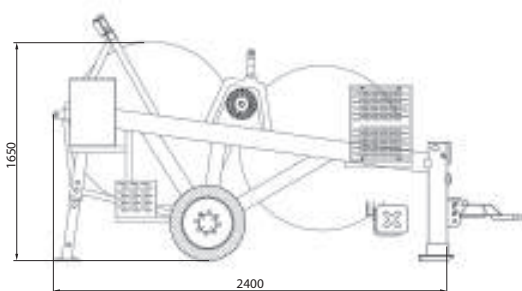


HYDRAULIC TENSIONER TY1×20-II

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The machine is hydraulically controlled for the tensile force and complete with quality parts and components such as hydraulic break, high-performance finned radiator, hydraulic power unit, precision filtering unit to support the safe, high-quality and efficient performance. The hydraulic power unit provides the traction of conductors at both positive and negative directions. The single-beam trailer chassis is also adopted, where lifting points are pre-set for anchoring and temporary anchoring, to achieve a portable compact integrity easy to be loaded, transported and transferred.



Performance

Max continuous tension	20kN
Max speed	4km/h

Characteristics

Bull-wheel diameter	800mm
Max conductor diameter	23mm
Groove width	45mm
Groove number	5
Total weight	950kg
Overall dimension	2400x1500x1650mm

Main configuration

Main motor	Tianjin Parker
Speed reducer	German Rexroth
Hydraulic meter	German WIKA

Configuration

- Hydraulic dynamometers
- Hydraulic oil cooling system
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h

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Performance

Max continuous tension	20kN
Speed at max pull	2.5km/h
Max speed	5km/h
Pull at max speed	10kN
Max reverse pulling force	15kN

Engine

Gassoline engine	10KW/3600rpm
Cooling system	air

Characteristics

Bull-wheel diameter	800mm
Max conductor diameter	22.5mm
Groove width	55mm
Groove number	5
Total weight	1150kg
Overall dimension	2500x1500x1700mm

Main configuration

Engine	Japan Honda
Main motor	Tianjin Parker
Hydraulic pump	Tianjin Parker
Speed reducer	German Rexroth
Hydraulic meter	German WIKA

Configuration

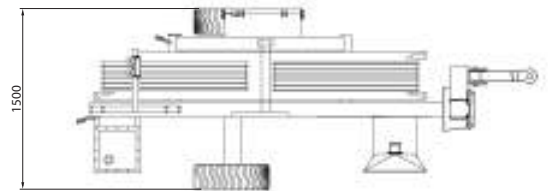
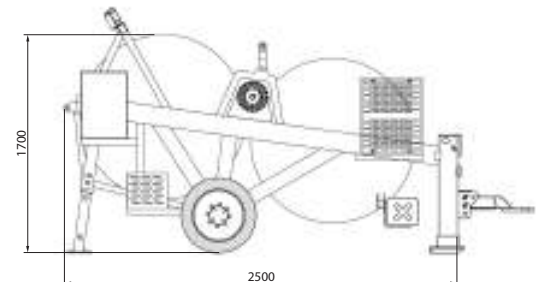
- Hydraulic dynamometers
- Hydraulic oil cooling system
- Grounding connection point

Hydraulic Transmission

- The machine can realize step less speed
- The machine is provided with tension presetting system

Additional Devices

- Air brake system for the trailer (extra charge)
- Hydraulic conductor clamps for drum change operations (extra charge)
- Swivel guide rope roller
- Trailer for towing at max speed of 30 km/h



HYDRAULIC TENSIONER TY1×7.5



Applied for tension stringing of the transmission line conductors and ground cables, and ADSS, OPGW optical cables.

Performance

Max continuous tension	7.5kN
Max speed	40m/min

Characteristics

Bull-wheel diameter	1100mm
Max conductor diameter	24mm
Max Optical fiber cable diamete	21mm
Groove width	220mm
Groove number	1
Total weight	850kg
Overall dimension	2300×1250×1620mm

Main configuration

Main motor	Ningbo China
Hydraulic meter	German WIKA

Configuration

- Hydraulic meter
- Hydraulic control system
- Mechanical front stabilizer
- Grounding connection point
- Manual brake system
- Hydraulic oil filter

Hydraulic Transmission

- Closed hydraulic circuit

Motor

Rated displacement:243ml/r;
Rated pressure:25MPa
Unit torque:39.2N.m/MPa
Max Oil temperature:60 degree
Oil: YA-N46 (0 ~ 40 degree);
YC-N32 (-30 ~ 0 degree)

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