

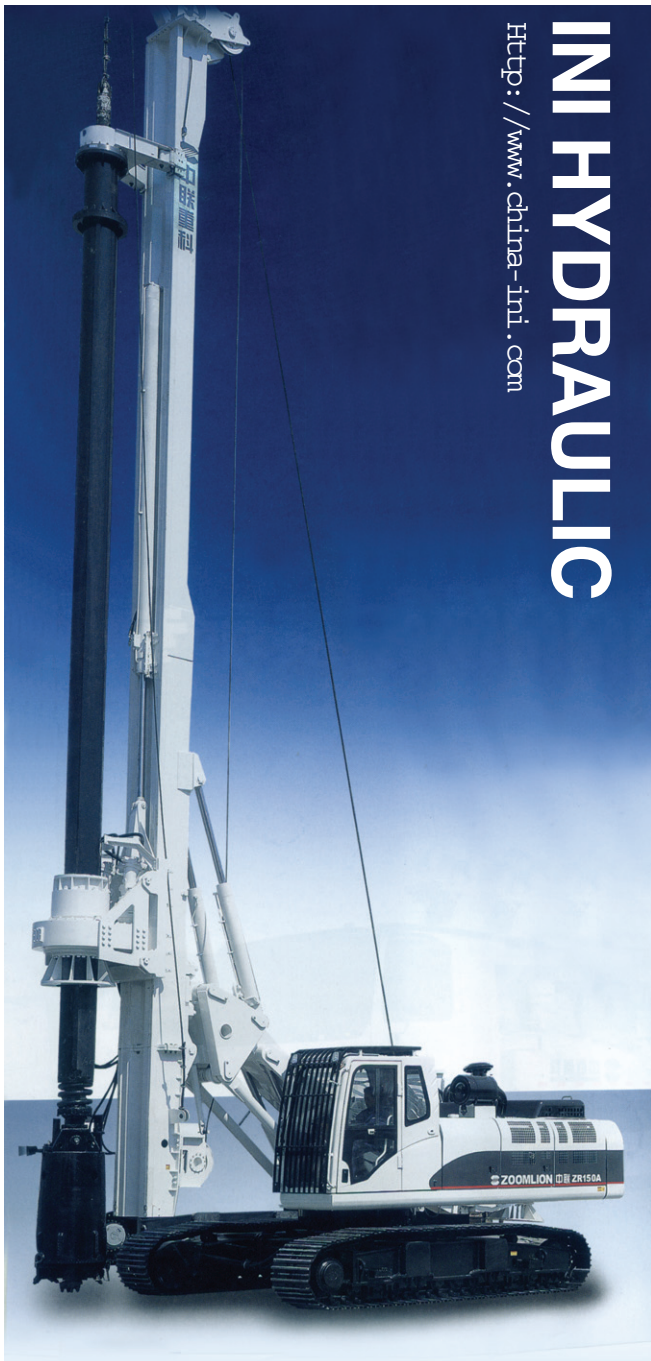
ini[®] NINGBO DAGANG INI
HYDRAULIC CO.,LTD.



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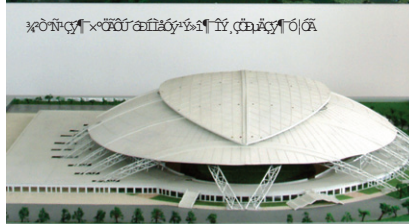
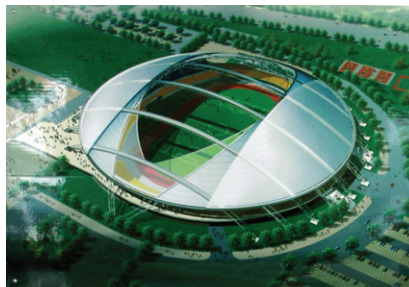
2010 Catalogue

Product Shows & Applications

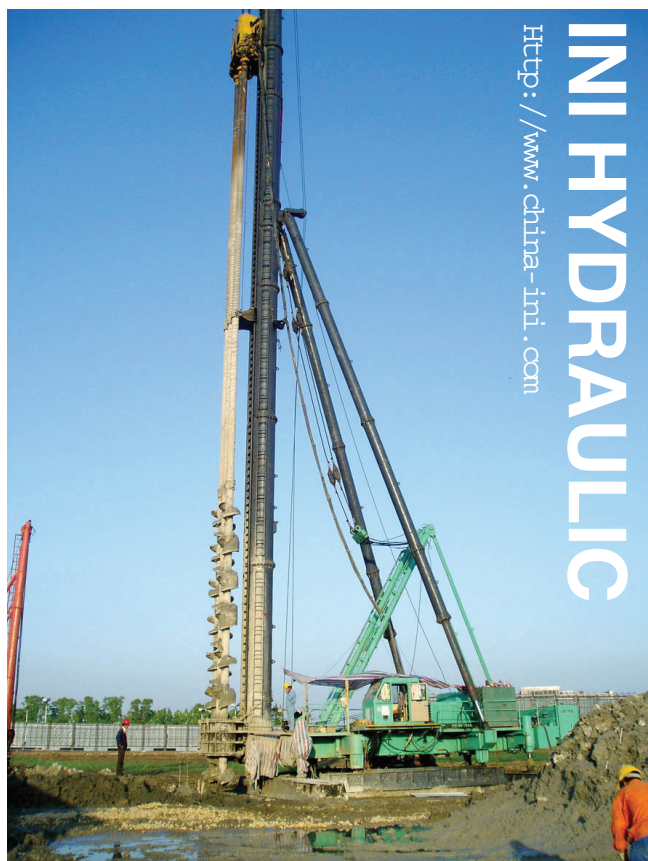
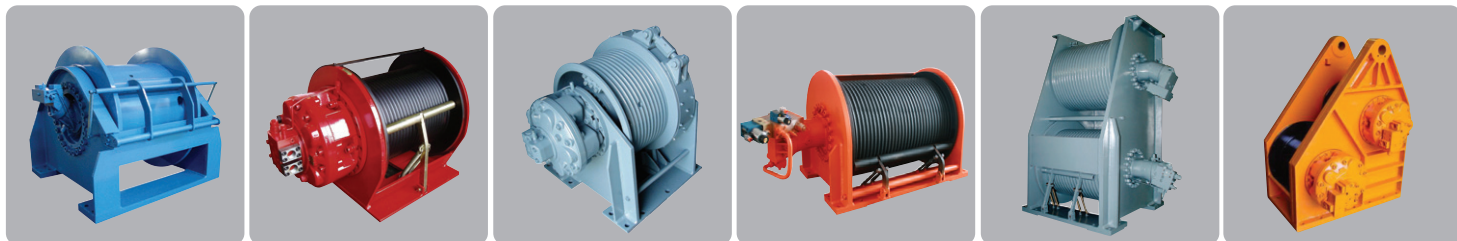


INI HYDRAULIC

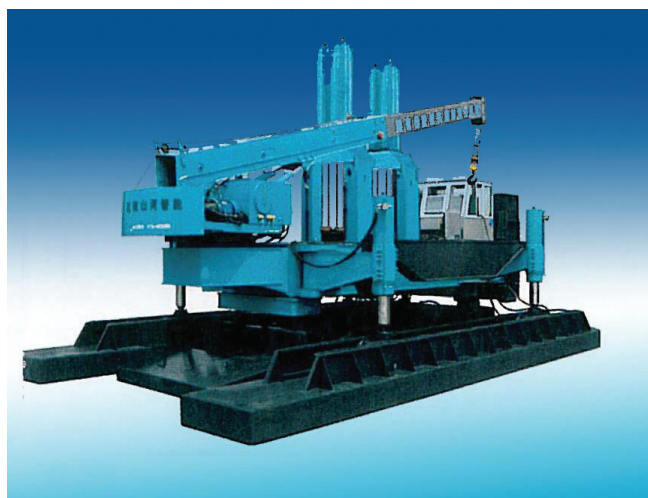
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Product Shows & Applications



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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 m², with 38,000 m² 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.

IGY××T Hydrostatic Drive Series(Travel Motor)

1. Brief Introduction

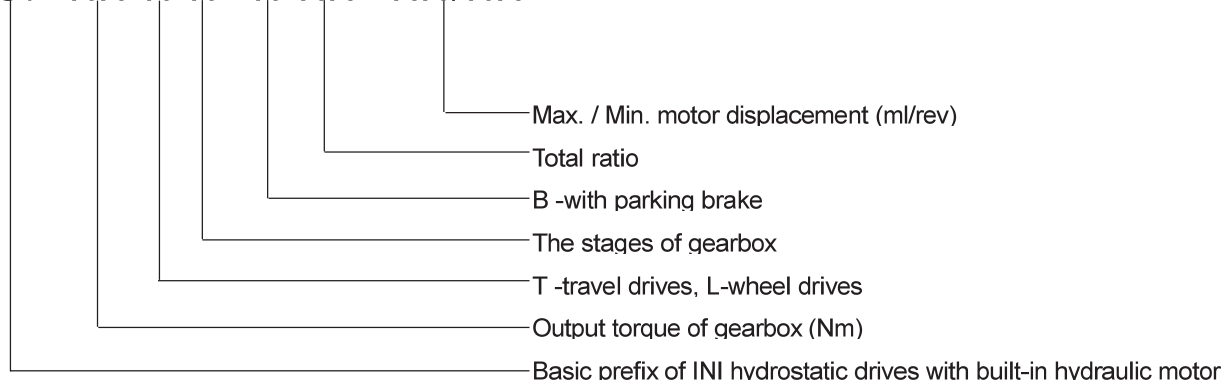
The IGY××T hydrostatic drive series consist of built-in variable displacement piston motor, multi-disc brake, planetary gearbox, and functional valve block. The drives feature high working efficiency, long life, great reliability, compact design, high working pressure and Hi-low speed switch control. The case-rotation type travel drives not only can be directly installed inside the crawler or wheel, but also can be used in road header or milling machine for power turning drives.

The drives adopt our patented technology and design experience. The Dimensions and technical performance of the drives conform to Nebtesco, KYB, Nachi, and TONGMYUNG. So our drives can also be used for replacement.

The drives described in this catalog are of the standard type. Other design variants with different ratio, dimensions, and power characteristics are available if so requested for specific applications. The drives have been widely applied in crawler excavator, crawler cranes, road milling machine, road header, road roller, track vehicles, aerial platform, and self-propel drill rigs. The drives not only have been used by domestic customer such as SANY, XCMG, ZOOMLION, but also have been exported to Southeast Asia, Middle East, India, South Korea, Netherlands, Germany and Russia and so on.

2. Model Options

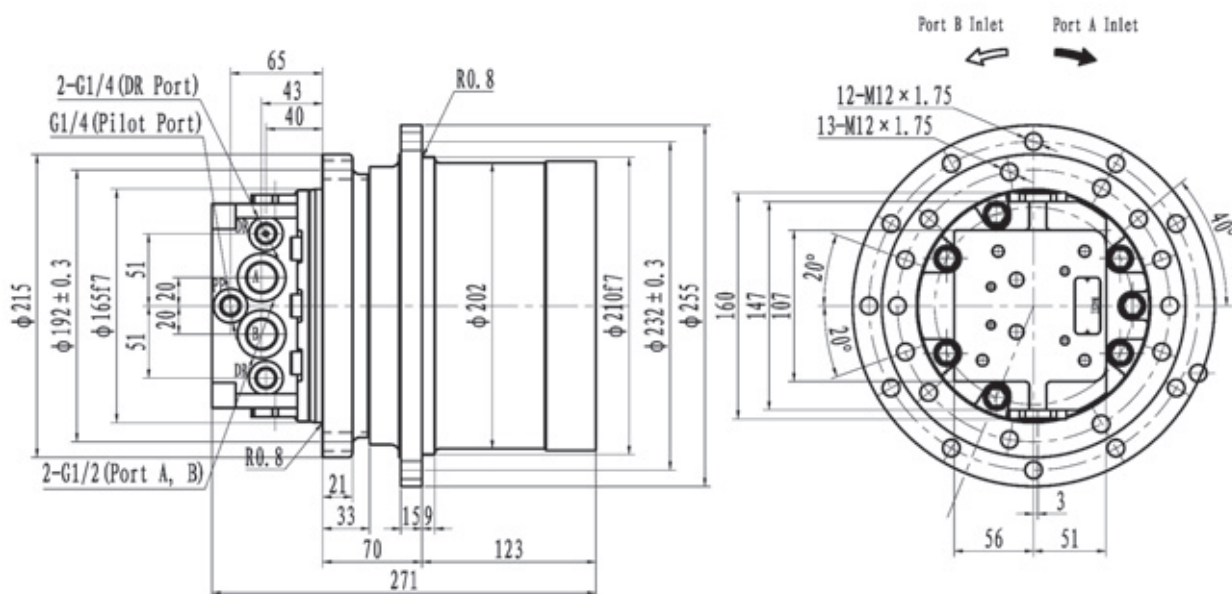
IGY XX X X - X XX - XX / XX



3. Options Example

IGY4800T2-B45-34/17 represents that the drive has output torque of 4800Nm, two stages planetary gearbox for travel drives with a total ratio of 45, fitted with a multi-disc parking brake, and high speed axial hydraulic motor. The hydraulic motor has a variable displacement (two speed) of 34ml/rev in low speed position and 17ml/rev in high speed position.

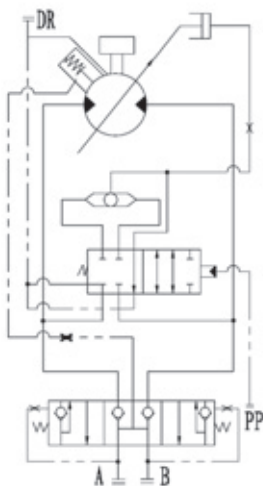
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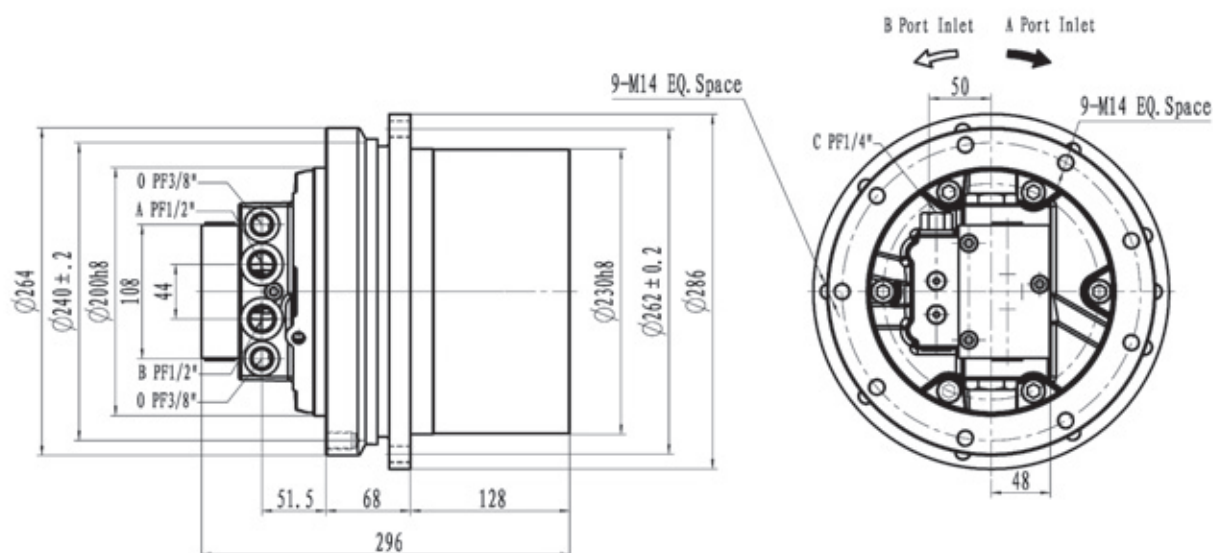
Technical Data

Max. Output Torque (Nm)	Speed (r/min)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Displacement (ml/r)	Weight (kg)	Applicable Vehicle Weight (Ton)
3570	39.4/64.8	52.73	24	1244.4/748.8	23.6/14.2	43	2.5 ~ 4.5

Hydraulic Diagram



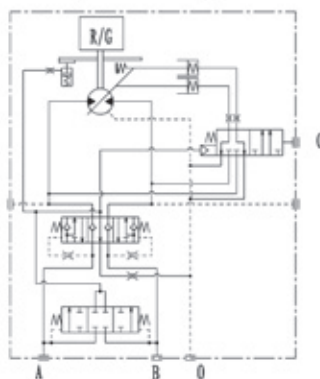
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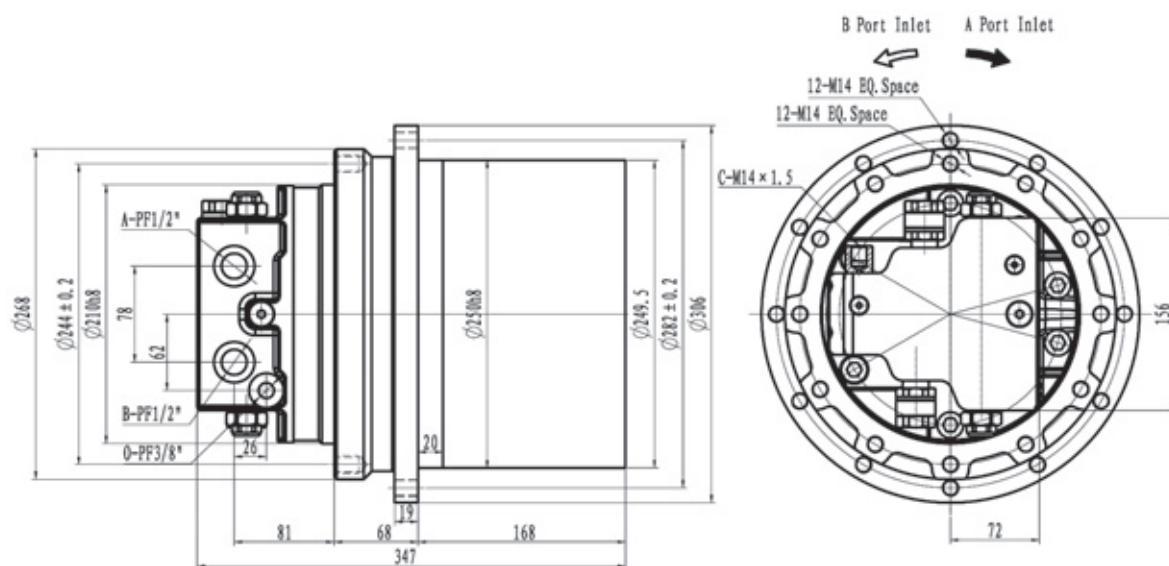
Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
7000	26/41	53.706	30	1522.9/761.5	34.9/22.7	60	6
5000	32/50	45.057		1329.2/675.9	29.5/15		4 ~ 5
4000	32/50	35.571		1049.3/533.6			2.5 ~ 3.5

Hydraulic Diagram

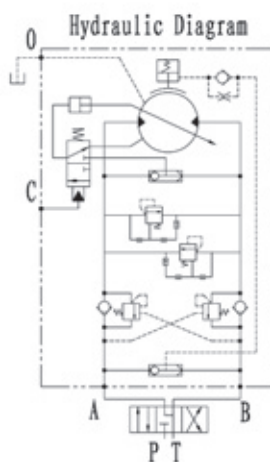


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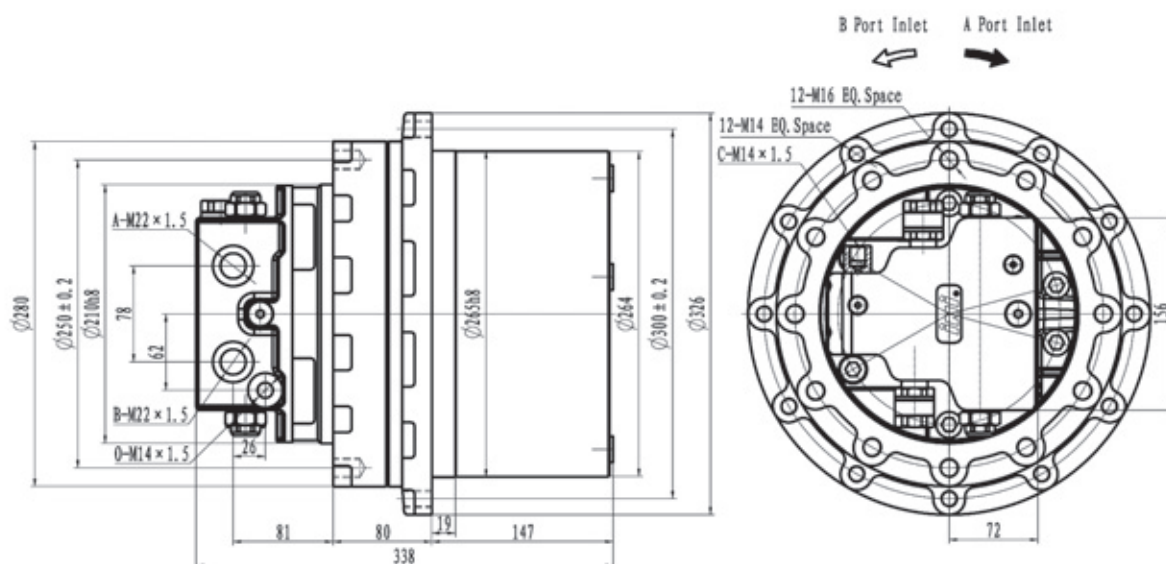


Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
9000	33/51	53.706	30	2347/1219	43.7/22.7	85	6 ~ 8

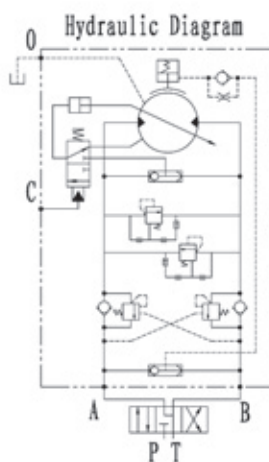


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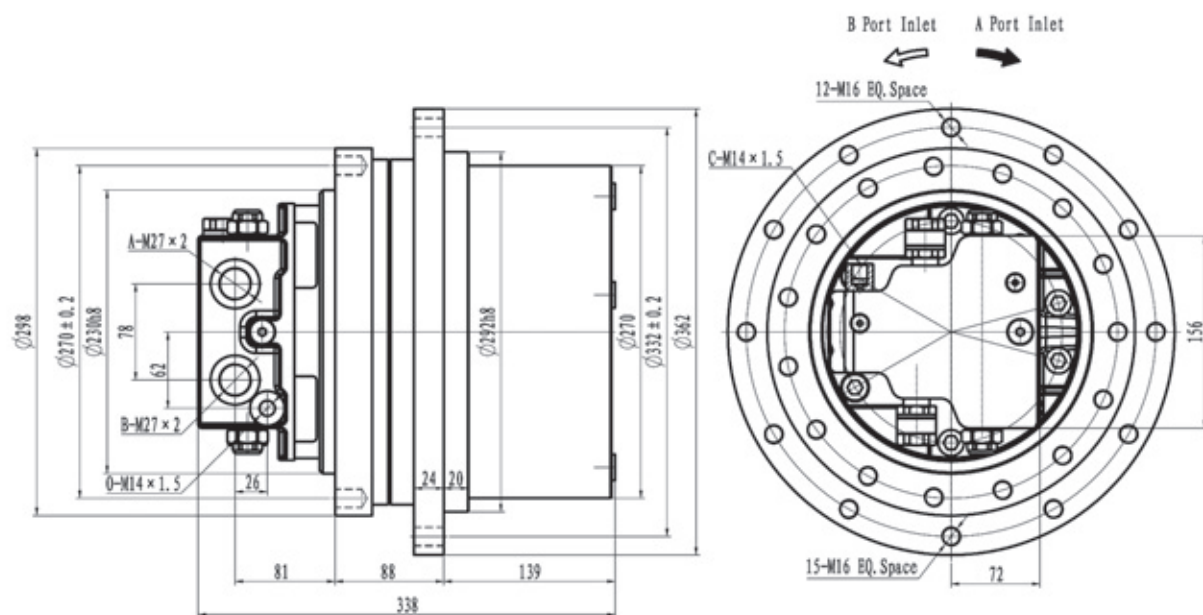


Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
9600	26/41	53	28	2809/1802	53/34	95	9
8000	32/50	44		2332/1496		95	8
7600	34/52	41.923		2222/1425		95	7
6300	32/50	34.769		1843/1182		95	6

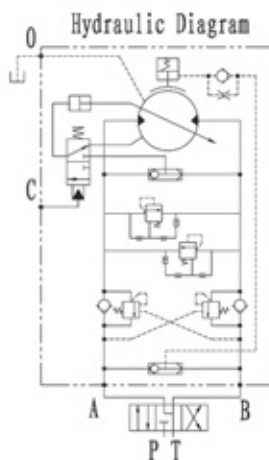


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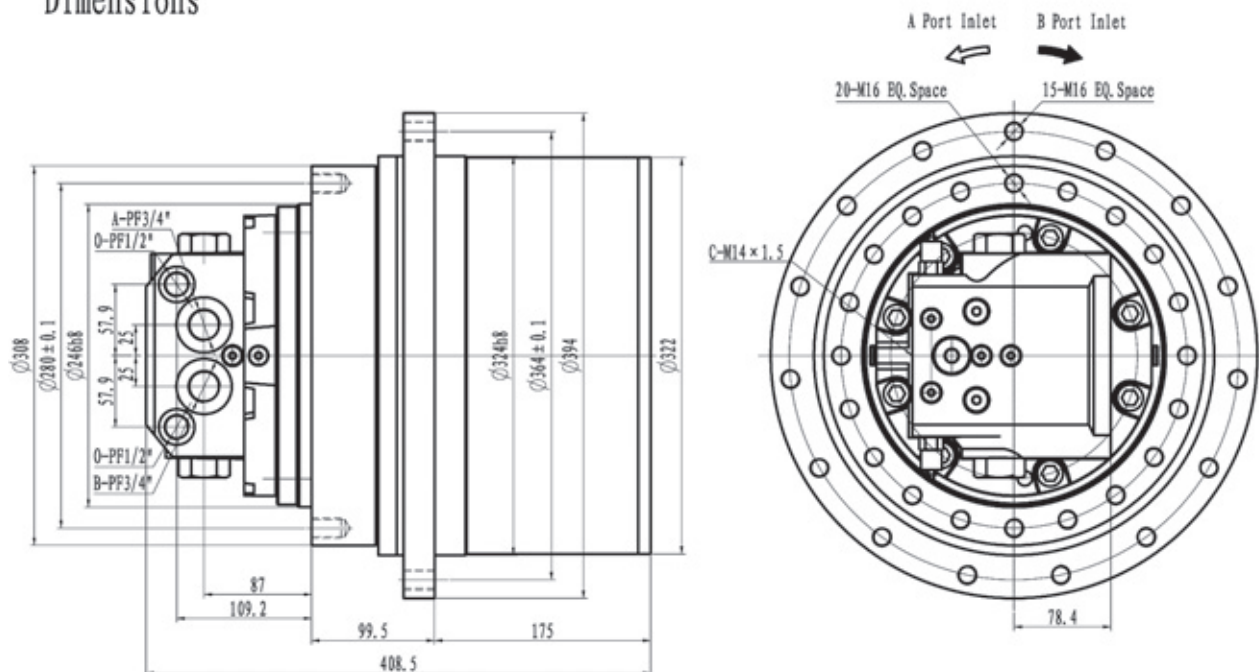


Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
12000	26/41	53	28	2809/1802	53/34	110	9-10



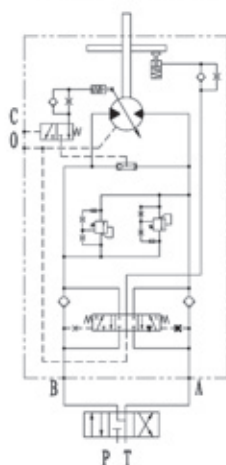
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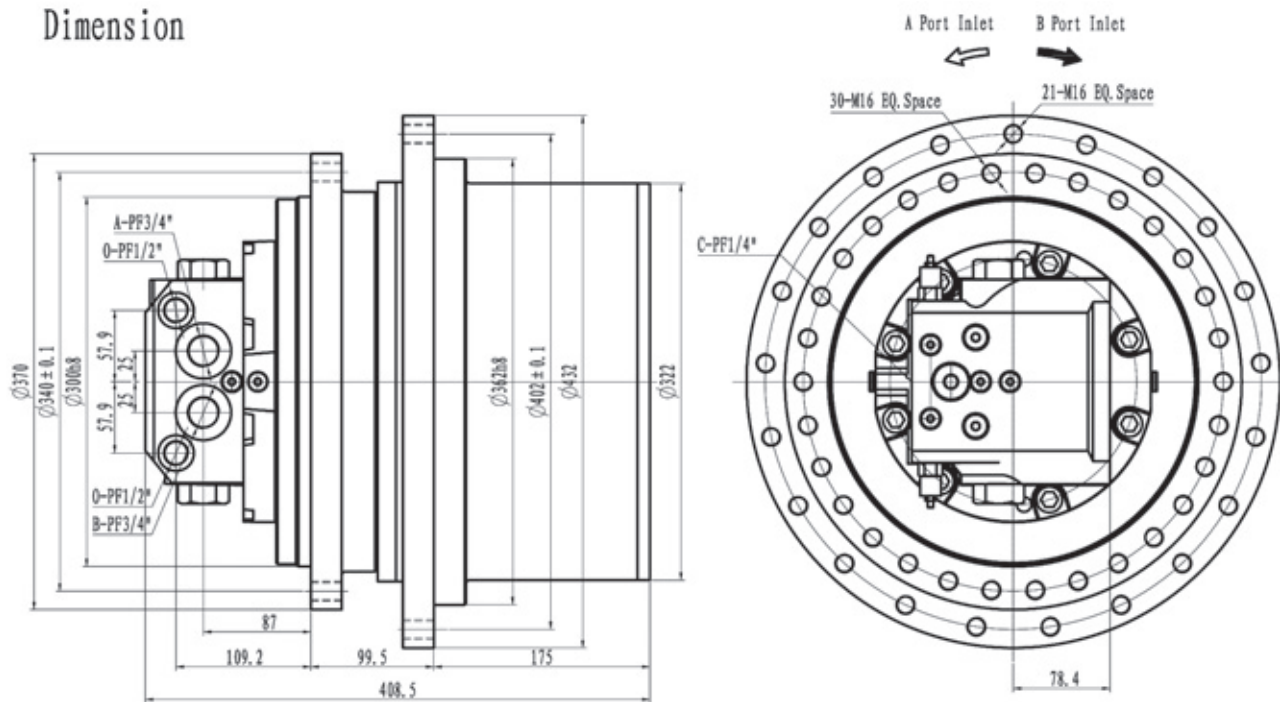
Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
18000	27.2/45.4	55.7	35	4790.2/2395.1	86/43	140	10 ~ 14

Hydraulic Diagram



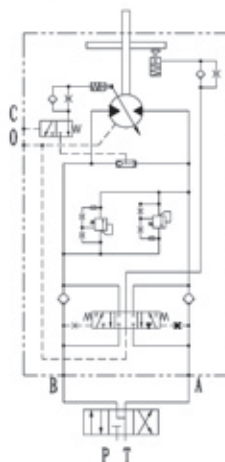
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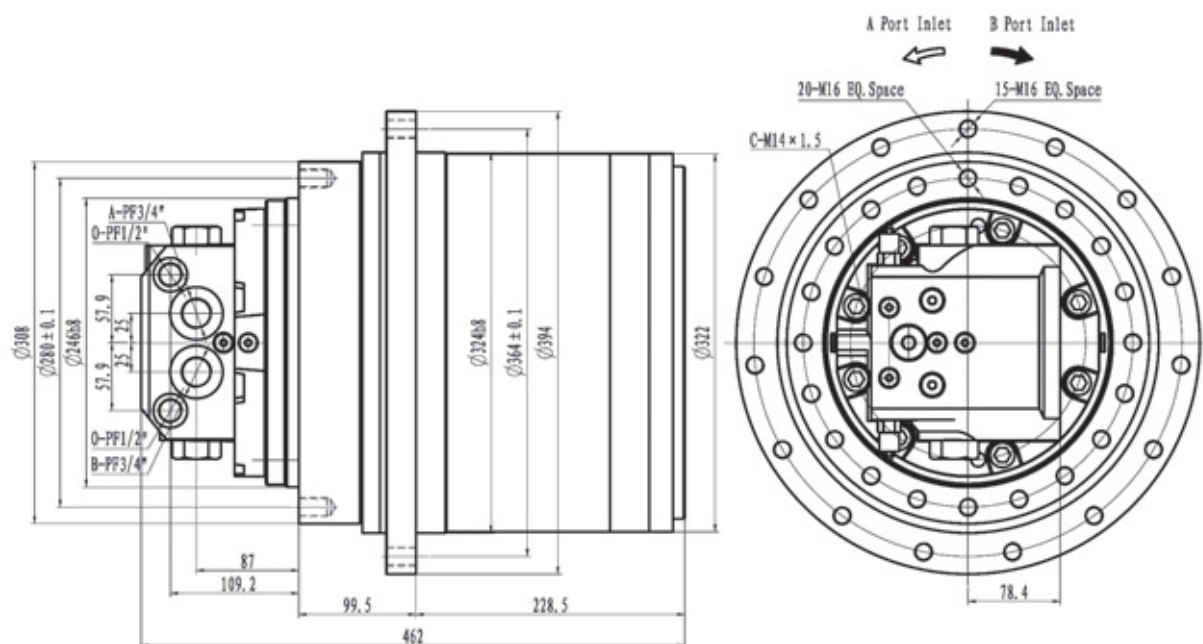
Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
24000	27/54	55.7	35	4790.2/2395.1	86/43	140	14 ~ 16

Hydraulic Diagram



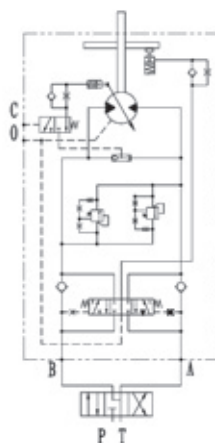
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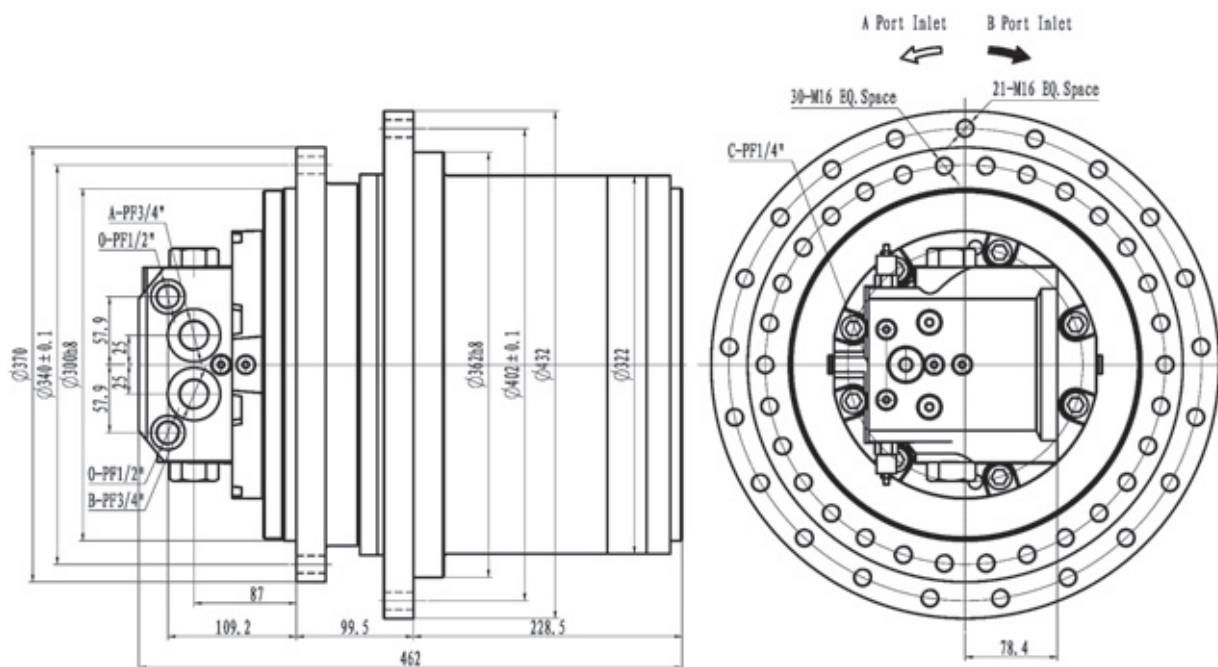
Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
24000	18.5/30.8	82	35	7052/3526	86/43	140	10 ~ 14

Hydraulic Diagram



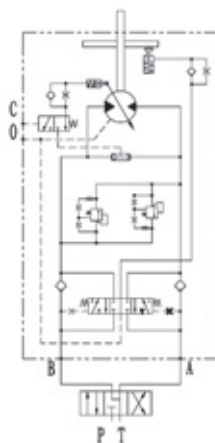
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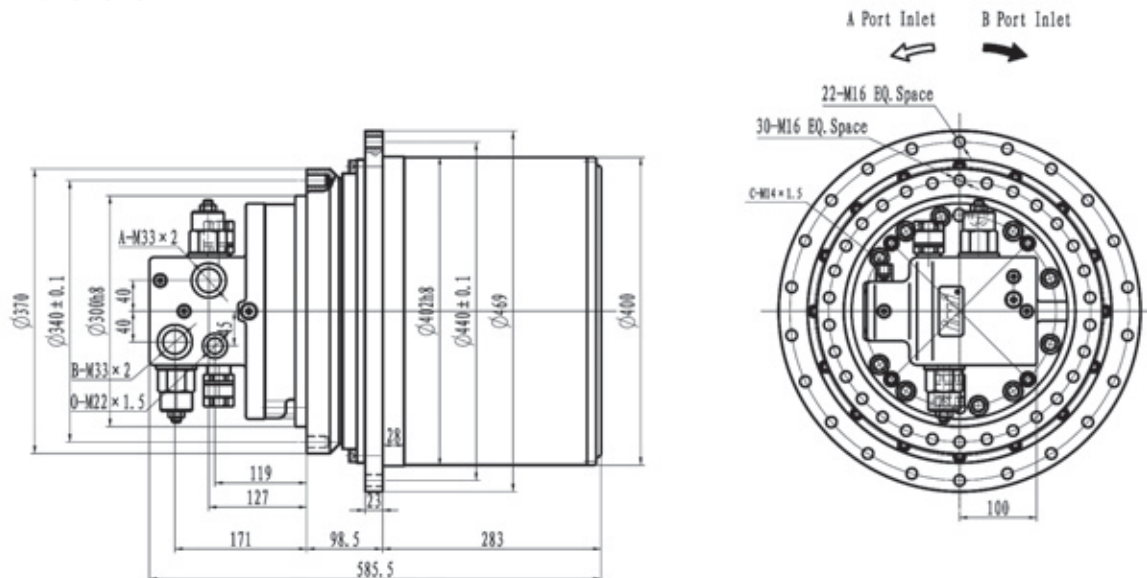
Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
28000	18.5/30.8	82	35	7052/3526	86/43	140	14 ~ 16

Hydraulic Diagram

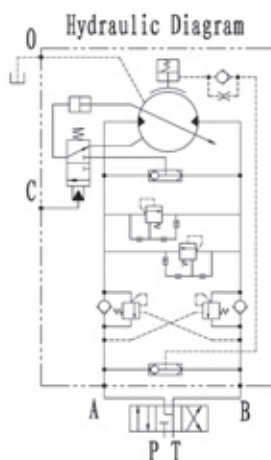


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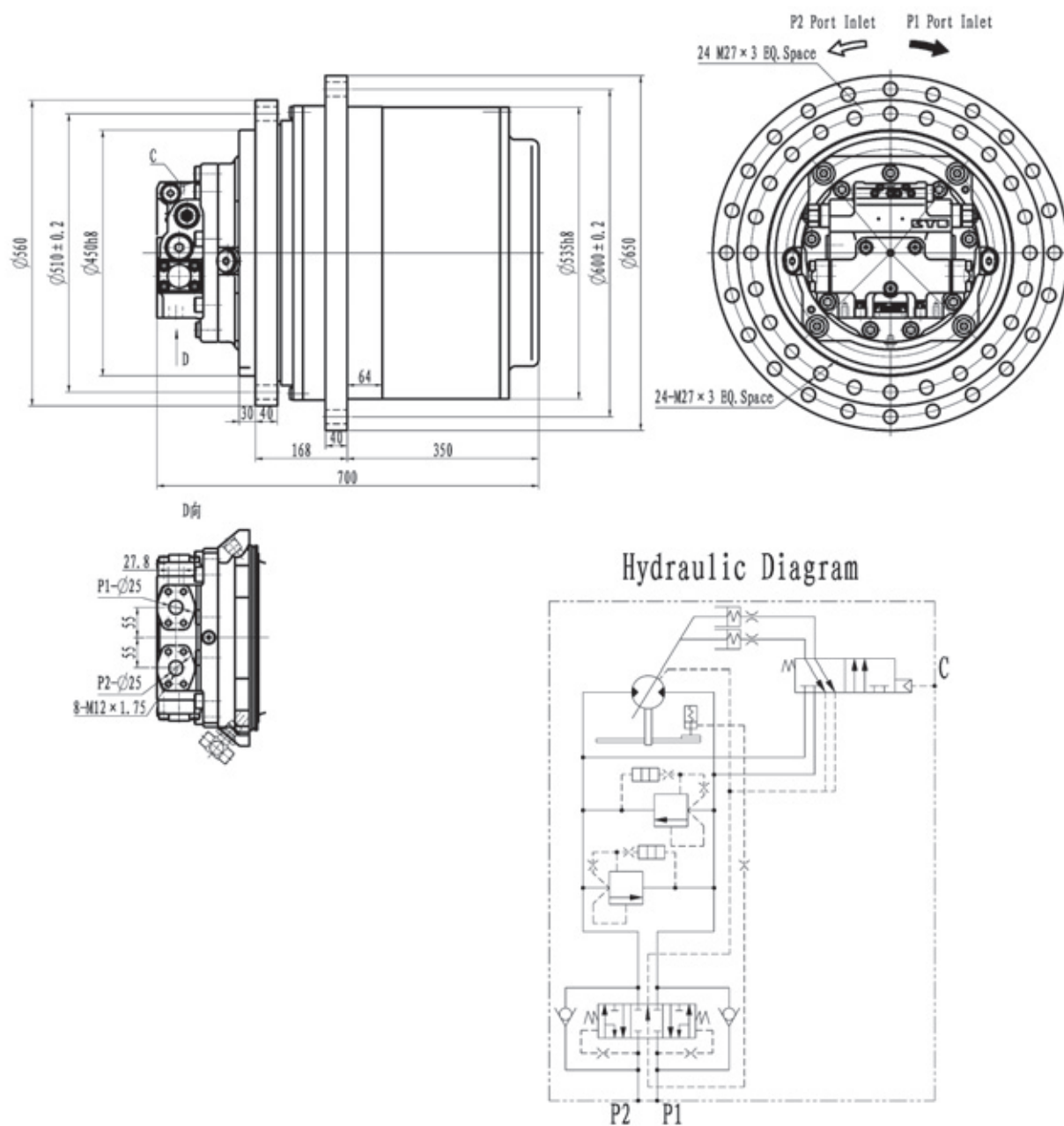


Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Motor Dispalcement (ml/r)	Weight (Kg)	Applicable Vehicle Weight (Ton)
27000	32/56	51	35	5870.1/3503.7	115.1/68.7	200	20
40000	27/46	56.2	35	8711/5226	155/93	200	25



Dimensions



Specification

Max. Torque (N · m)	Speed (rpm)	Ratio	Max. Pressure (MPa)	Total Displacement (ml/r)	Hydraulic Motor		Weight (Kg)	Applicable Vehicle Weight (Ton)
					Model	Displacement (ml/r)		
170000	15.2/24	98.248	35	33404.3/21123.3	MSF-340VP-FH	340/215	700	50 ~ 80