INI® NINGBO DAGANG INI HYDRAULIC CO.,LTD.

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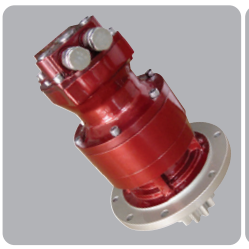
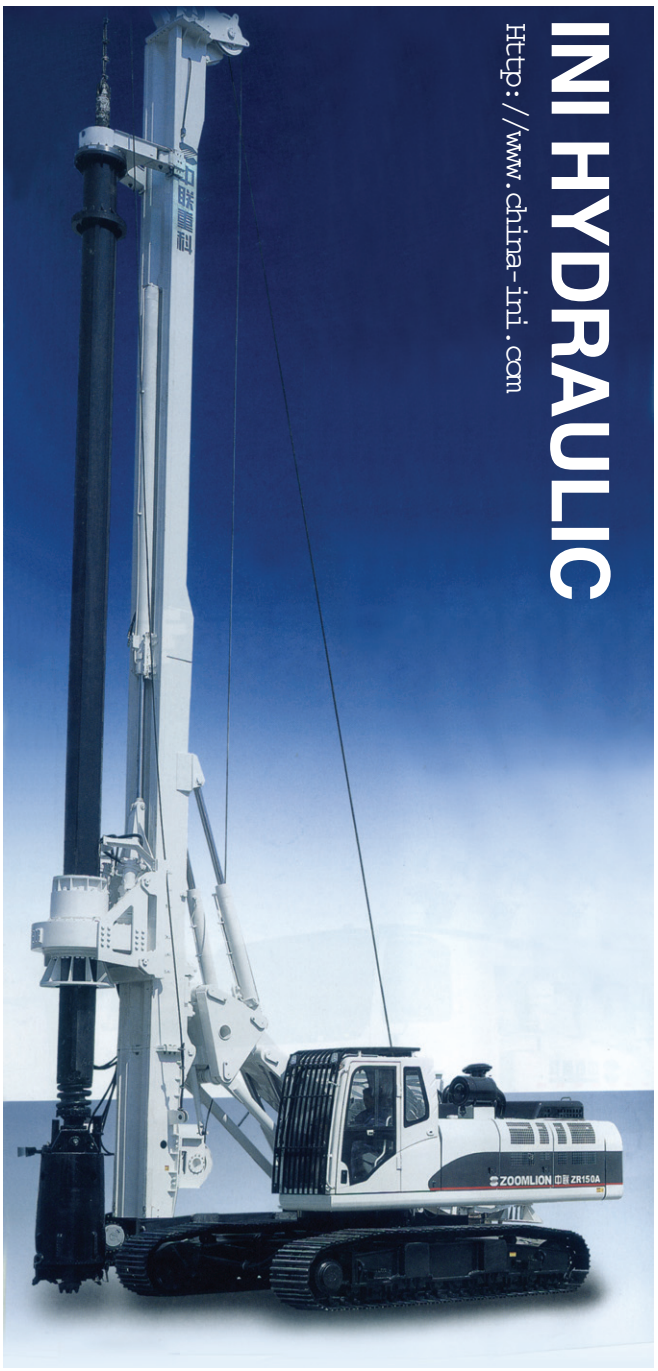
2010 Catalogue

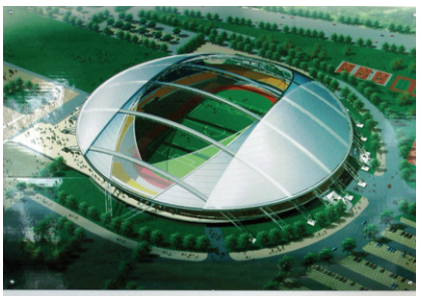
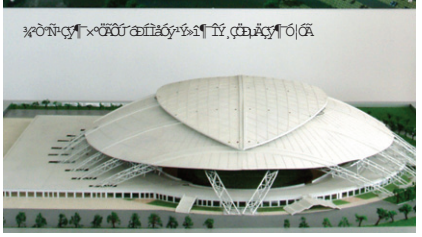
Product
Shows & Applications





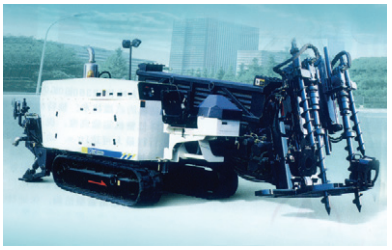








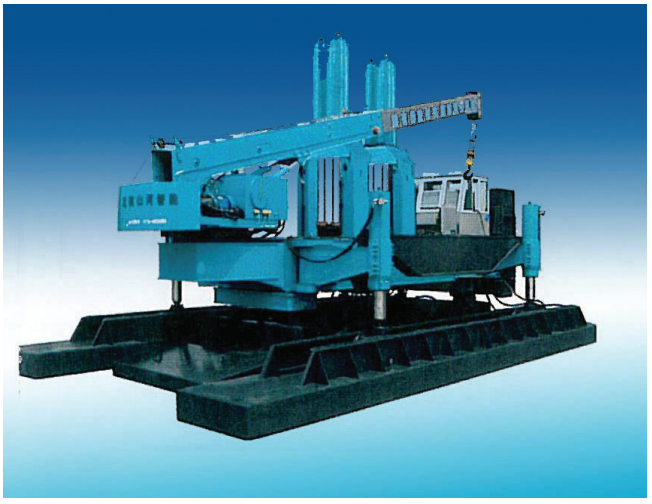
Product
Shows & Applications










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.

IGH Hydrostatic Swing Drive Series

1. Brief Introduction

The IGH swing drive series are the ideal driving components for wheeled or crawler excavator, rotary drill rigs, crawler cranes and vehicle cranes, marine cranes and other mobile equipment. The series have proven their worth under arduous application conditions in the most unfavorable operating environments.

Due to their extremely compact size, they are best suited for direct mounting inside the equipment. Their design provides for ease of mounting and maintenance.

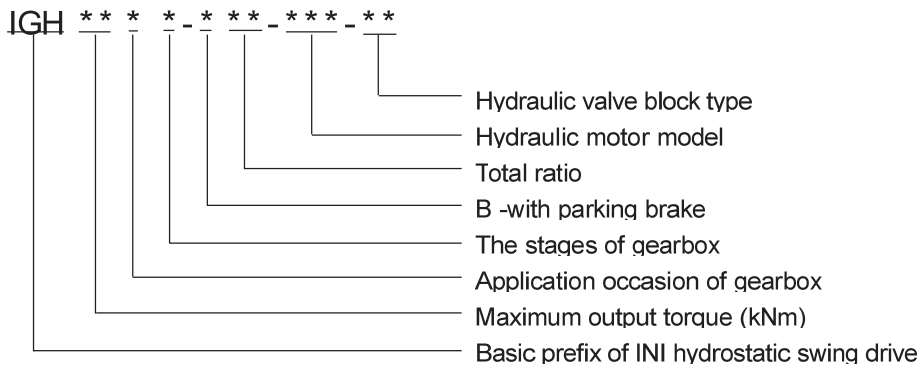
The patented technology, many years design experience and advanced manufacture method ensure the series of excellent load carrying ability and outstanding operational reliability. The Dimensions and technical performance of the series conform to the Rexroth standard type, and part products conform to Brevini, Nebtesco, Nachi and KYB. We can provide specific application consultation to customers aimed at finding the optimum drive configuration at the project stage.

The gearbox can directly install with a constant or variable displacement Rexroth type or other type hydraulic motor. A multi-disc parking brake is arranged on the input end of the gearbox as option. The parking torque of the brake will suit the respective motor torque.

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 wheeled or crawler excavators, crawler cranes, rotary drill rigs, marine cranes. The drives not only widely have been used by domestic customer such as SANY, XCMG, but also have been exported to Southeast Asia, Middle East, India, South Korea, Netherlands, Germany and Russia and so on.

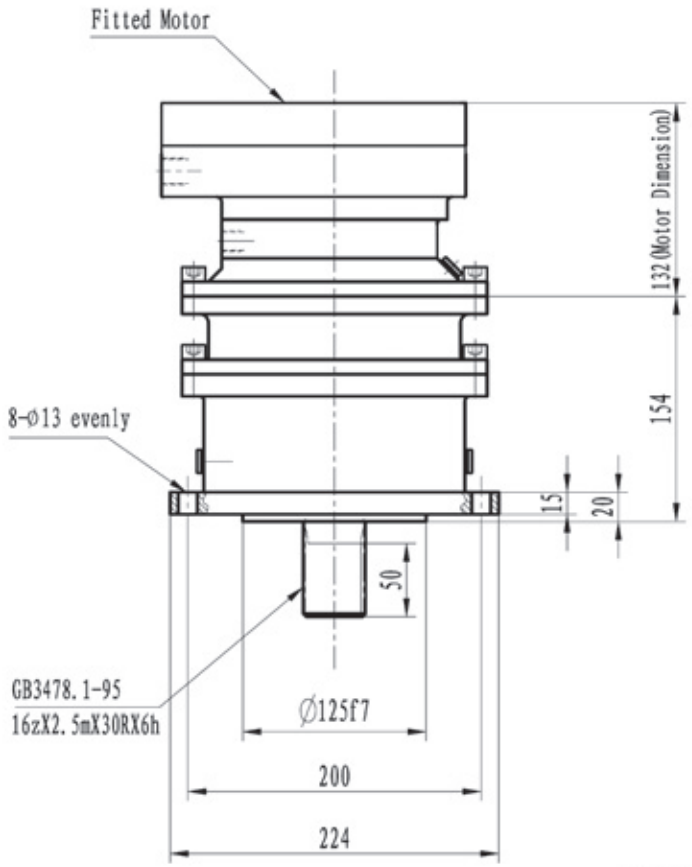
2. Model Options



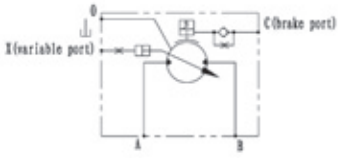
3. Options Example

IGH17T2-B48-A2FE56/61WVZL represents that the swing drive has maximum output torque of 17kNm, two stages planetary gearbox with a total ratio of 48, fitted with a multi-disc parking brake, an axial piston hydraulic motor A2FE56/61WVZL.

Dimension



Hydraulic diagram



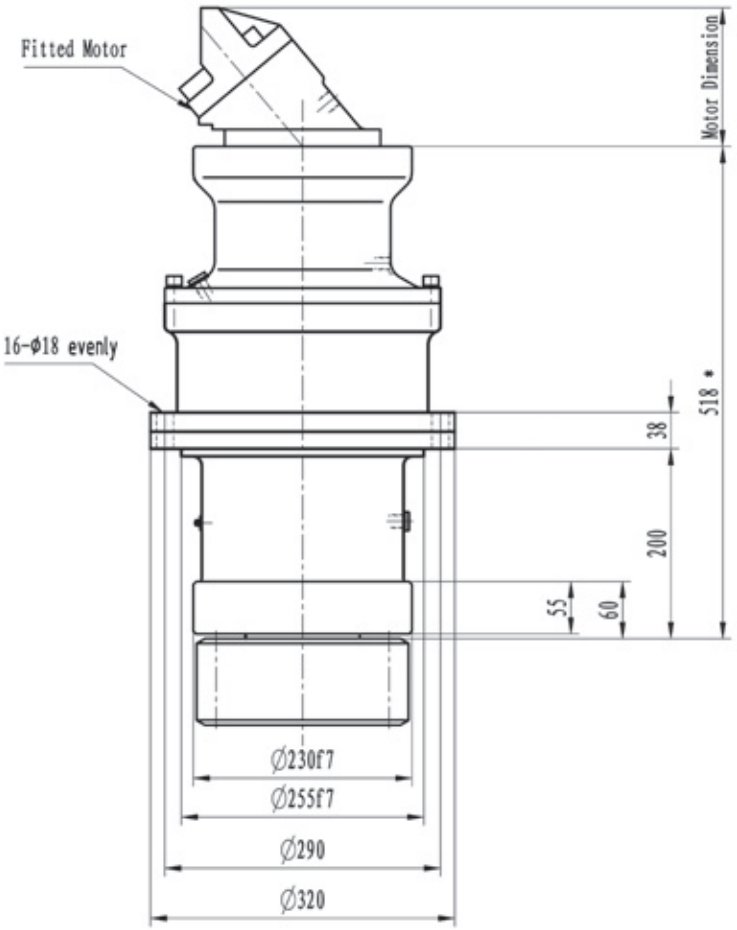
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor type	Hydraulic motor displ. (ml/rev)	Braking torque $T_{Br\ max.}$ Nm
1500	17.33 20	IPM6-29.5 IPM6-41/26	29.5 41/26	100-125

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



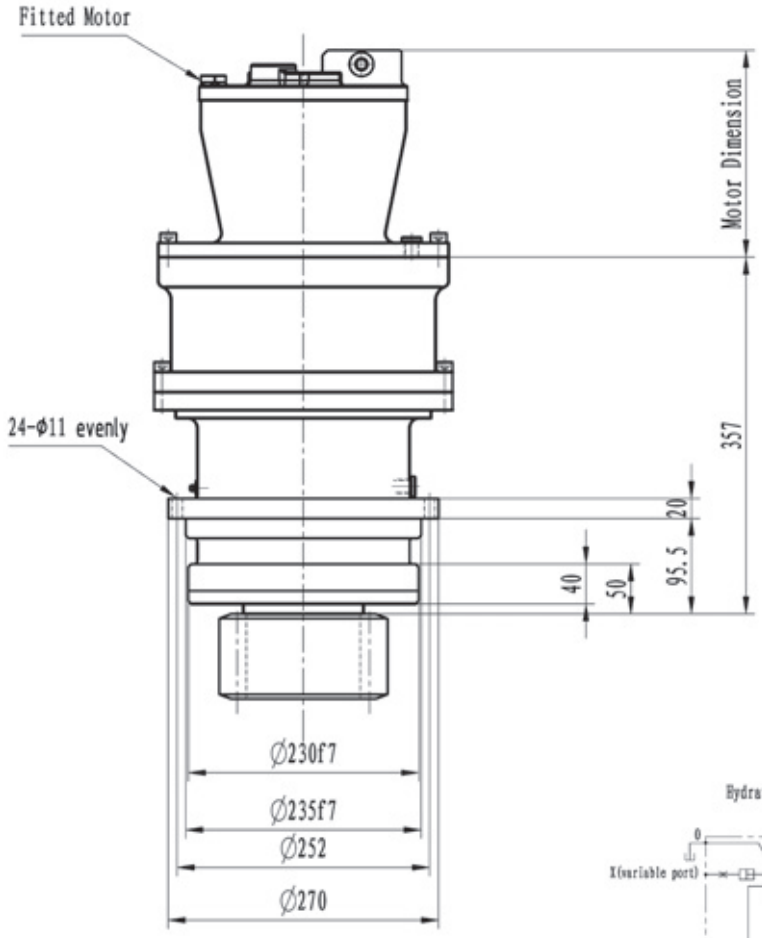
Technical Data

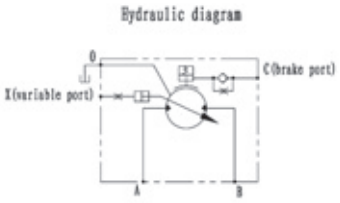
Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
12700	27.4 34.3 43.2 78.9 89.2 103.6	A2FE28 A2FE32 A2FE45 A2FE56 A2FE63	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension





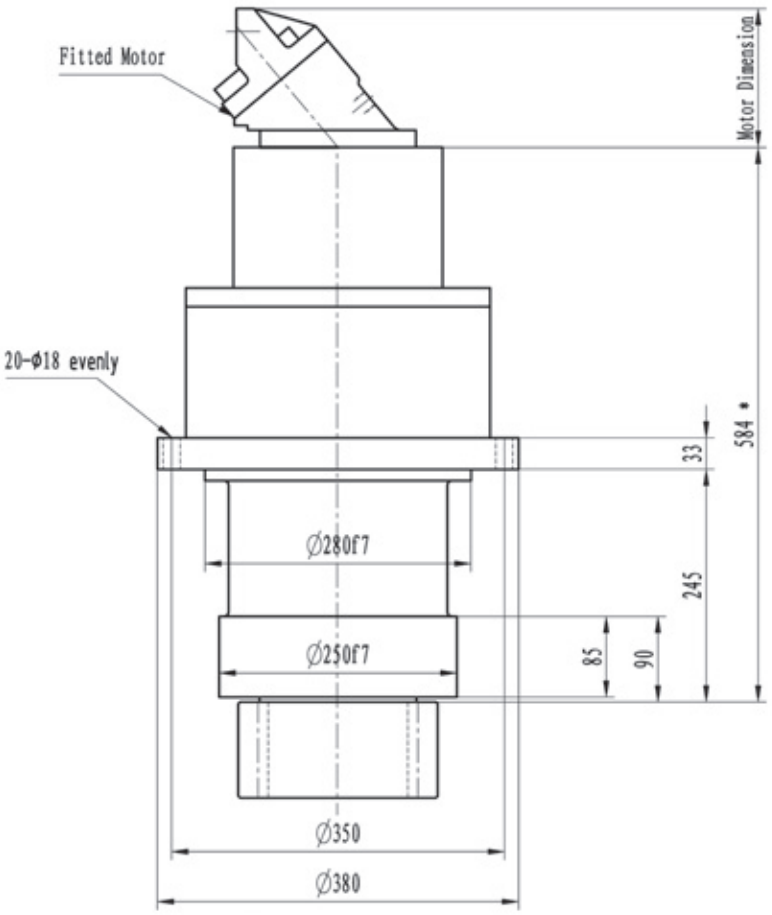
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor type	Hydraulic motor displ. (ml/rev)	Braking torque $T_{Br\ max.}$ Nm
12700	34.5 41.13 51.75	IPM8-53/27 IPM8-53/18.3 IPM15-86/43	53/27 53/18.3 86/43	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



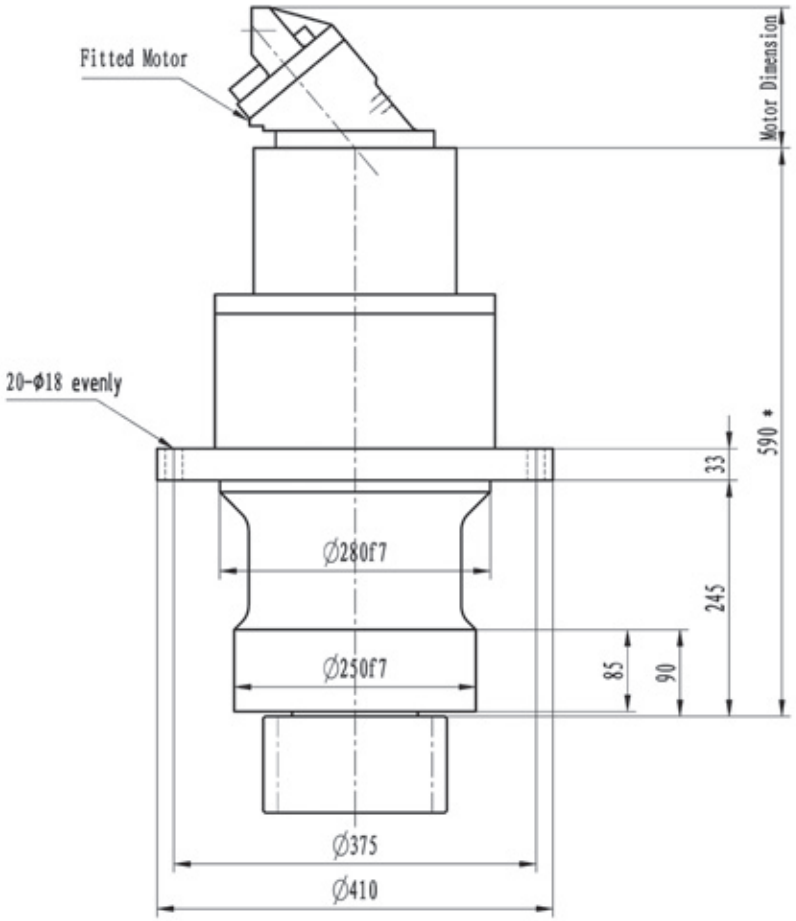
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
28500	27.6 70 80.1 101 118.26	A2FE45 A2FE56 A2FE63 A2FE80 A2FE90 A2FE107	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



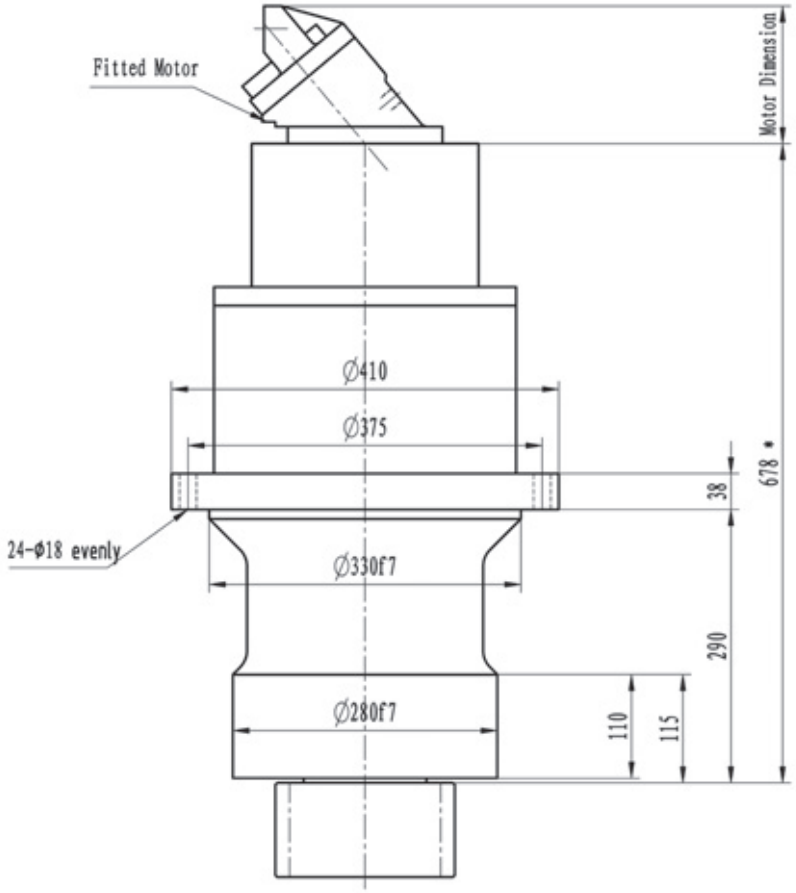
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
29000	36.4 42 49.3 60	A2FE45 A2FE56 A2FE63 A2FE80 A2FE90 A2FE107 A2FE125	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



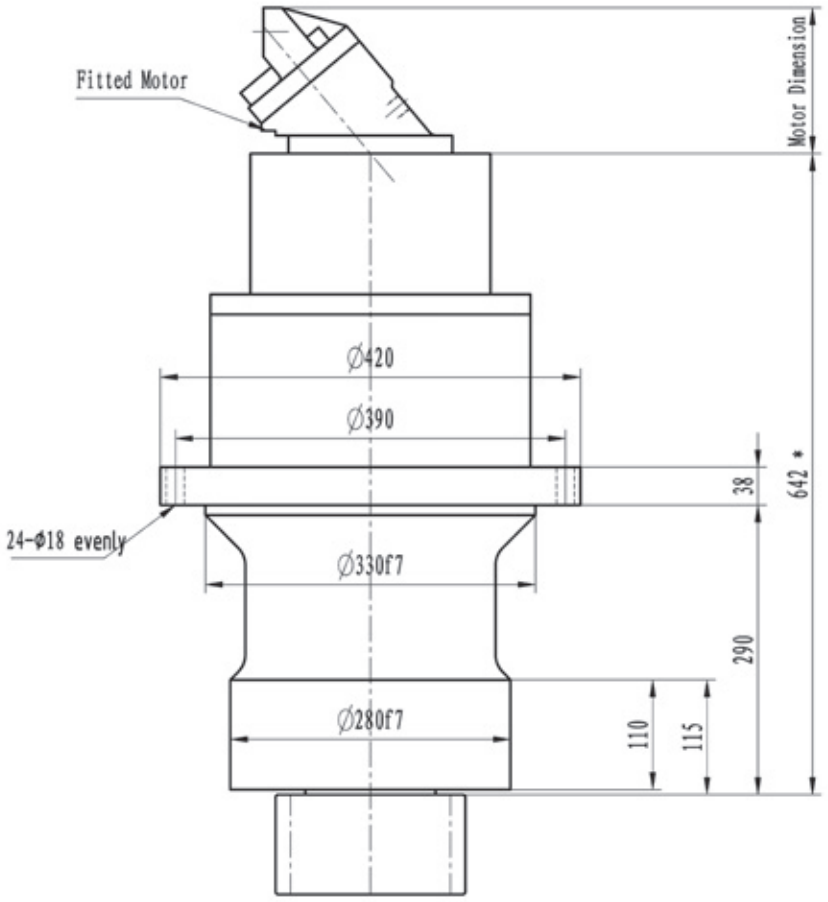
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
38000	27.0 32.3 37.8 46.1	A2FE80 A2FE90 A2FE107 A2FE125	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



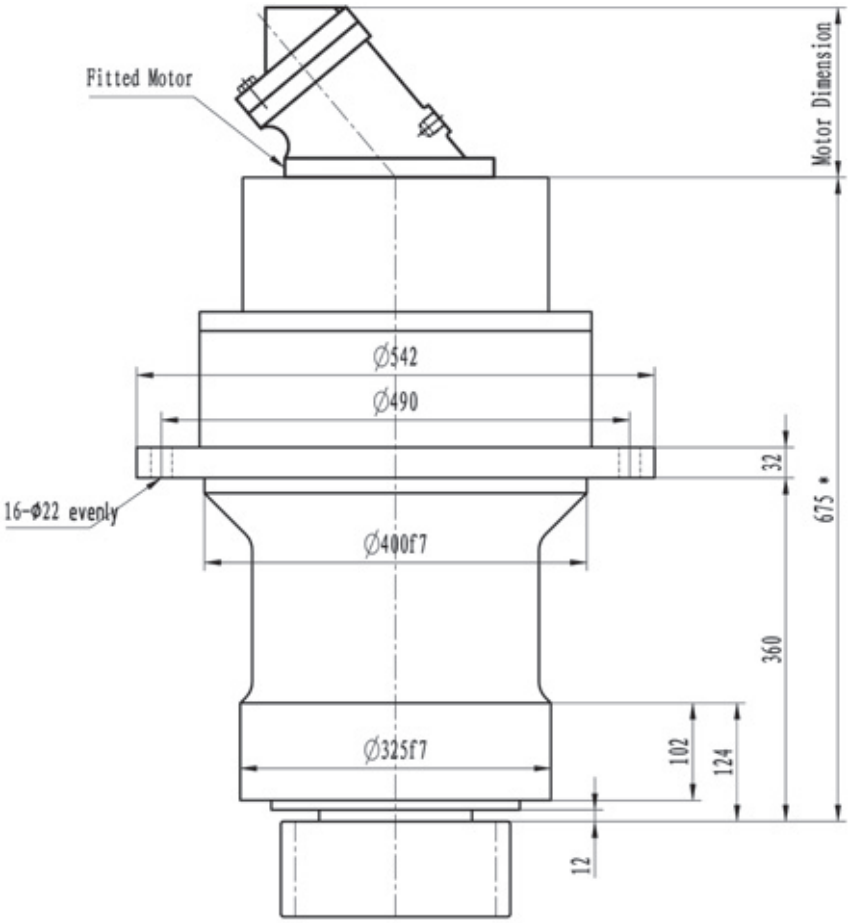
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
38000	85.2 92.1 100.7 111.9 126.7 147.4	A2FE45 A2FE56 A2FE63 A2FE80 A2FE90 A2FE107 A2FE125	400-710

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



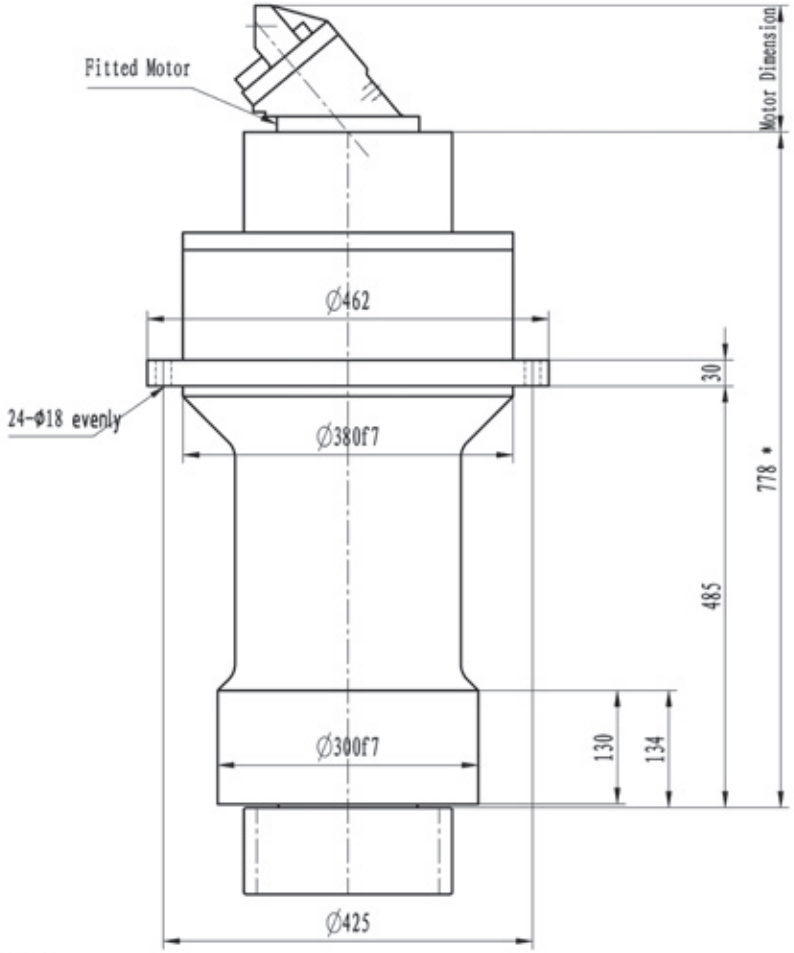
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
48500	34.0 23.37 40.4	A2FE80 A2FE90 A2FE107 A2FE125 A2FE160 A2FE180	400-850

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



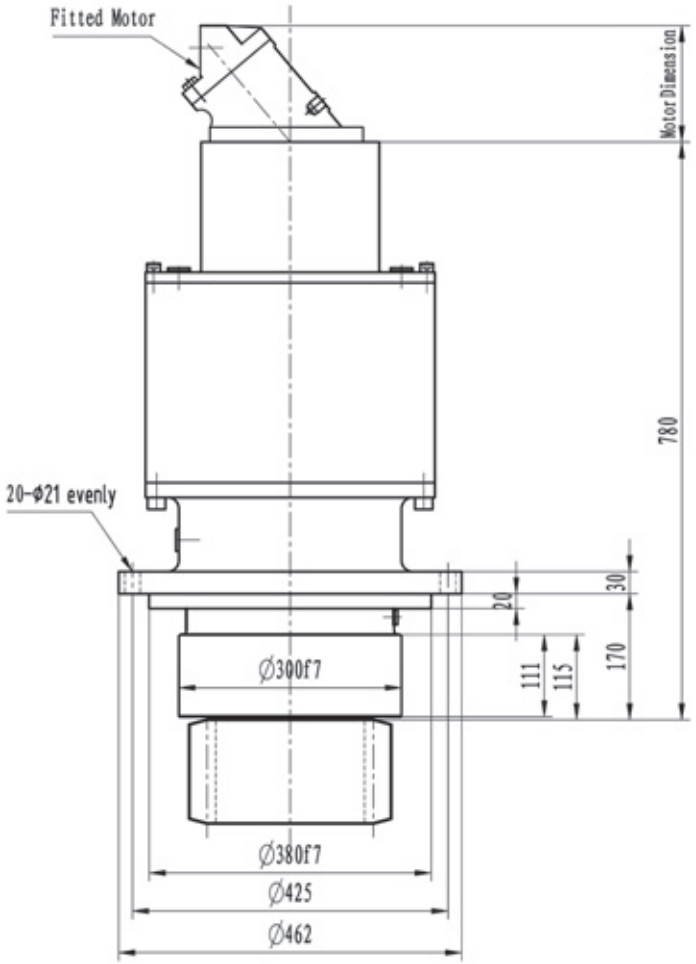
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
48500	88.4 95.8 129.2 151.6 172.8 194.5	A2FE45 A2FE56 A2FE63 A2FE80 A2FE90 A2FE107 A2FE125	400-750

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



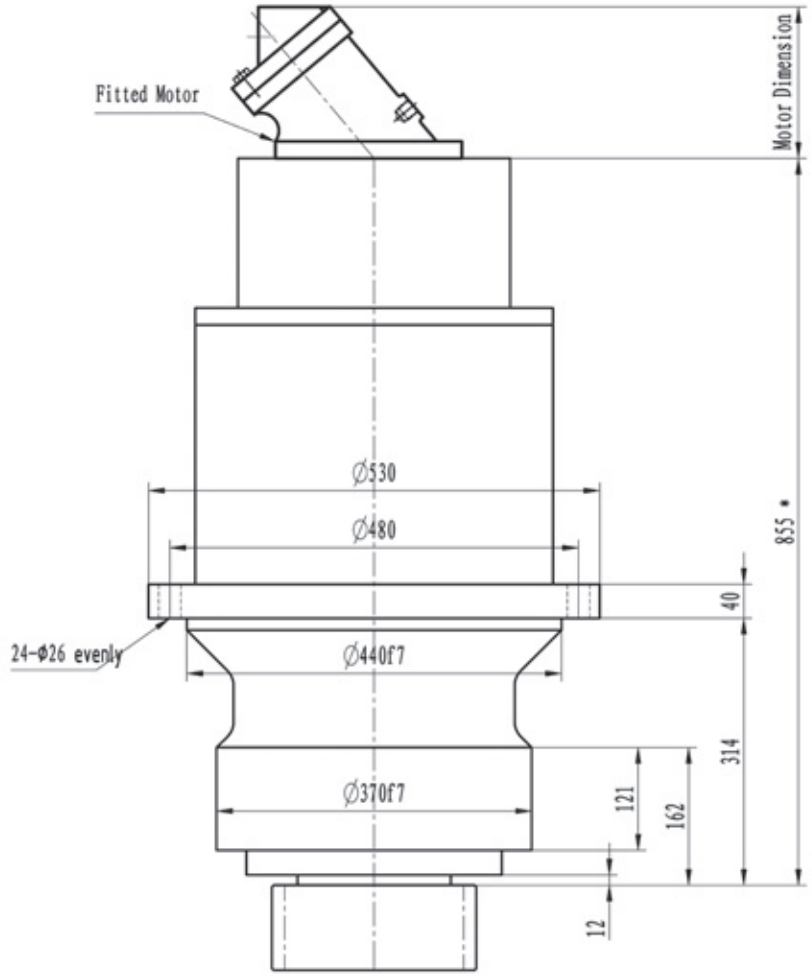
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Bc\ max.}$ Nm
48500	88.4 129.2 151.6 172.8 190.75 224.4	A2FE56 A2FE63 A2FE80 A2FE90 A2FE107 A2FE125	400-750

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



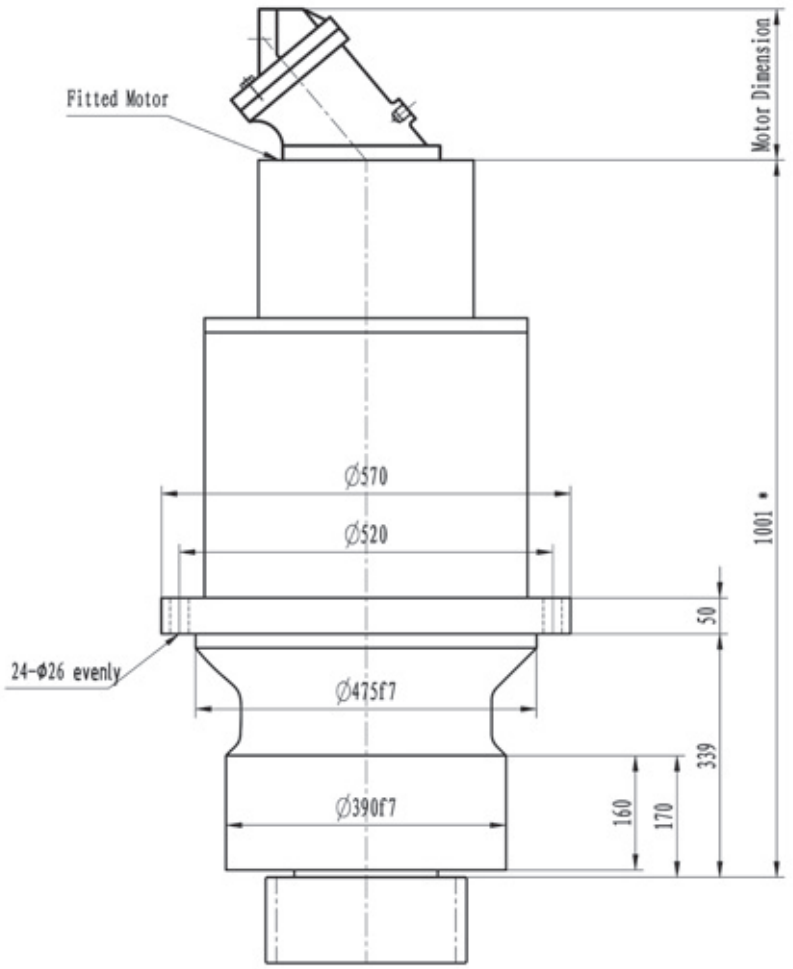
Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
68300	62.3 111.8 80.2 127.9 99.9 150.9 186.4	A2FE80 A2FE90 A2FE107 A2FE125	400-750

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.

Dimension



Technical Data

Output Torque Tmax Nm	Ratio i	Hydraulic motor	Braking torque $T_{Br\ max.}$ Nm
93300	80.5 129.6 88.6 148.2 96.8 174.9	A2FM107 A2FM125 A2FE107 A2FM160 A2FM180 A2FM200 A2FE125 A2FM250	400-1000

· Gearbox input direction is same to the output direction.

· Allowed output speed(not indicated in catalag) is subject to variation with actual application.