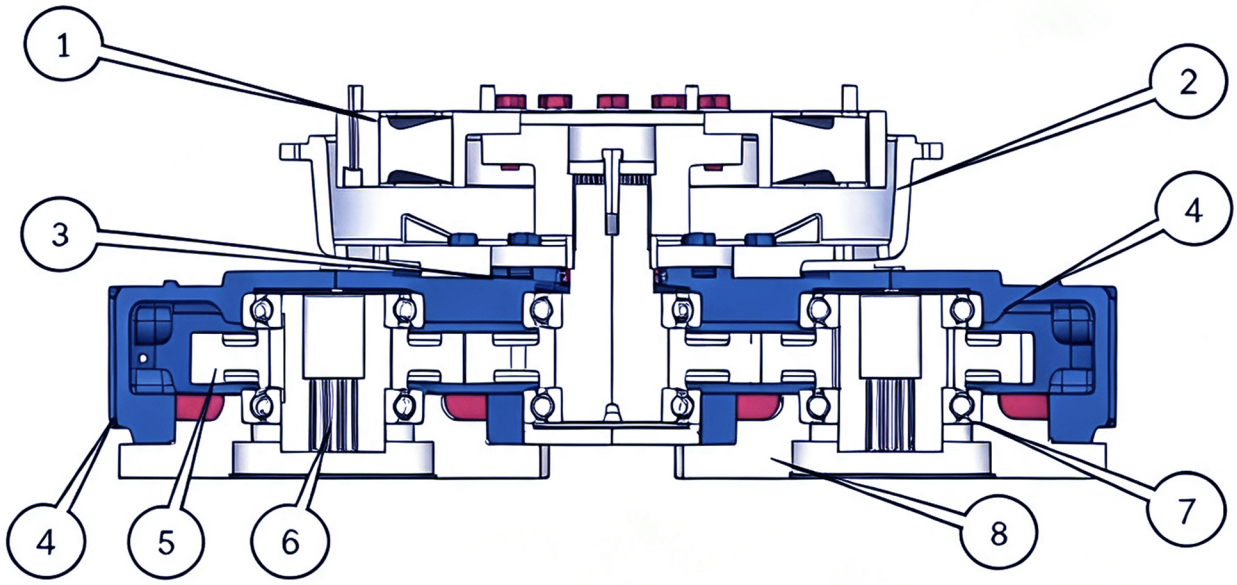
Rubiflex



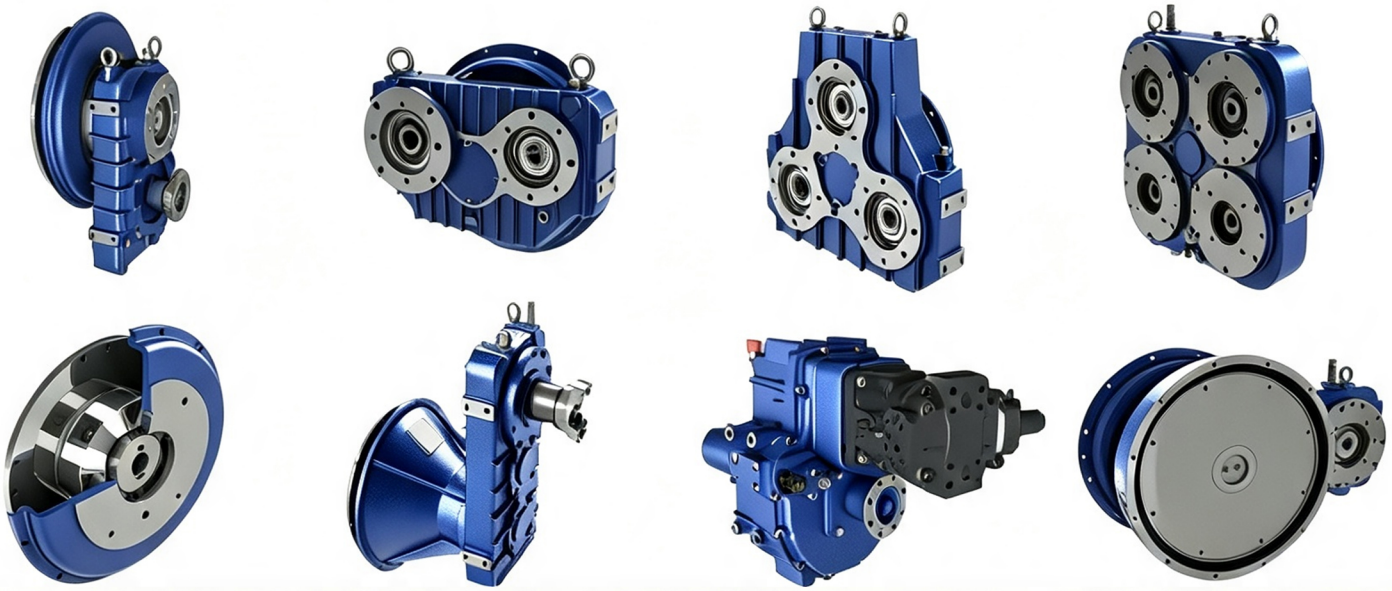
Power Transmission Solutions

Pump Drive-PD series

Rubiflex



1. Couplings: High-elastic rubber or polyurethane couplings.
2. Bell Housing: Modular design for wide compatibility with diverse engine and motor housings.
3. Shaft Seal: Viton material, featuring high temperature resistance and long service life.
4. Housing: One-piece ductile iron structure manufactured via lost-foam casting process.
5. Gears: High-precision gears with accuracy of Grade 6 (GB/T 10095) or higher.
6. Pump Connection Spline: High-strength structure, adaptable to various pump models.
7. Bearings: Built-in housing oil passages optimize bearing lubrication performance.
8. Pump Connection Flange: Modular structure, compatible with multiple hydraulic pumps.



Rubiflex

Application Data Sheet——PumpDrive

Requested Model _____ Input Speed _____ Output Speed _____

Application device information

Type of equipment _____

Operating hours per day _____hours Ambient temperature _____℃

Duty Classification: ☐Light Duty ☐Normal Duty ☐Heavy Duty

Prime Mover

☐ Diesel engine ☐ E-Motor ☐Other_____

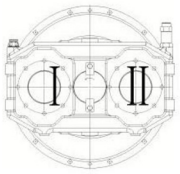
Rated power_____KW / rated speed _____RPM

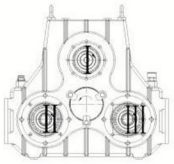
Max. torque _____Nm / speed _____RPM

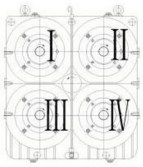
Housing: ☐647.7 ☐511.17 ☐447.6 ☐409.6 ☐361.95 ☐Other_____

Flywheel: ☐571.5 ☐466.7 ☐352.4 ☐314.3 ☐Other_____

Distance between housing and flywheel: ☐15.7 ☐25.4 ☐39.6 ☐66.7 ☐Other___







Port- I Configuration

Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

Port- II Configuration

Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

Port-III Configuration

Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

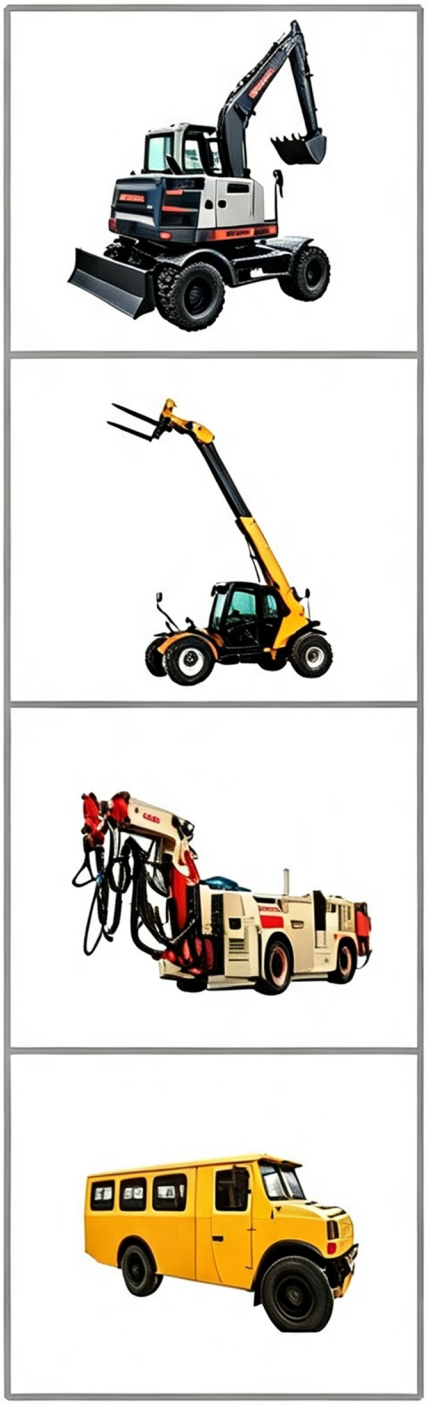
Port-IV Configuration

Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

Single Pump Drive

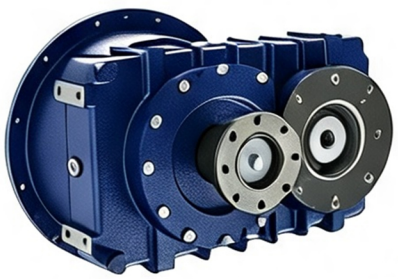
Rubflex





- Serialized design
- Cast iron housings
- One-piece Integral housing
- Designed for heavy-duty
- Optional E-motor Input

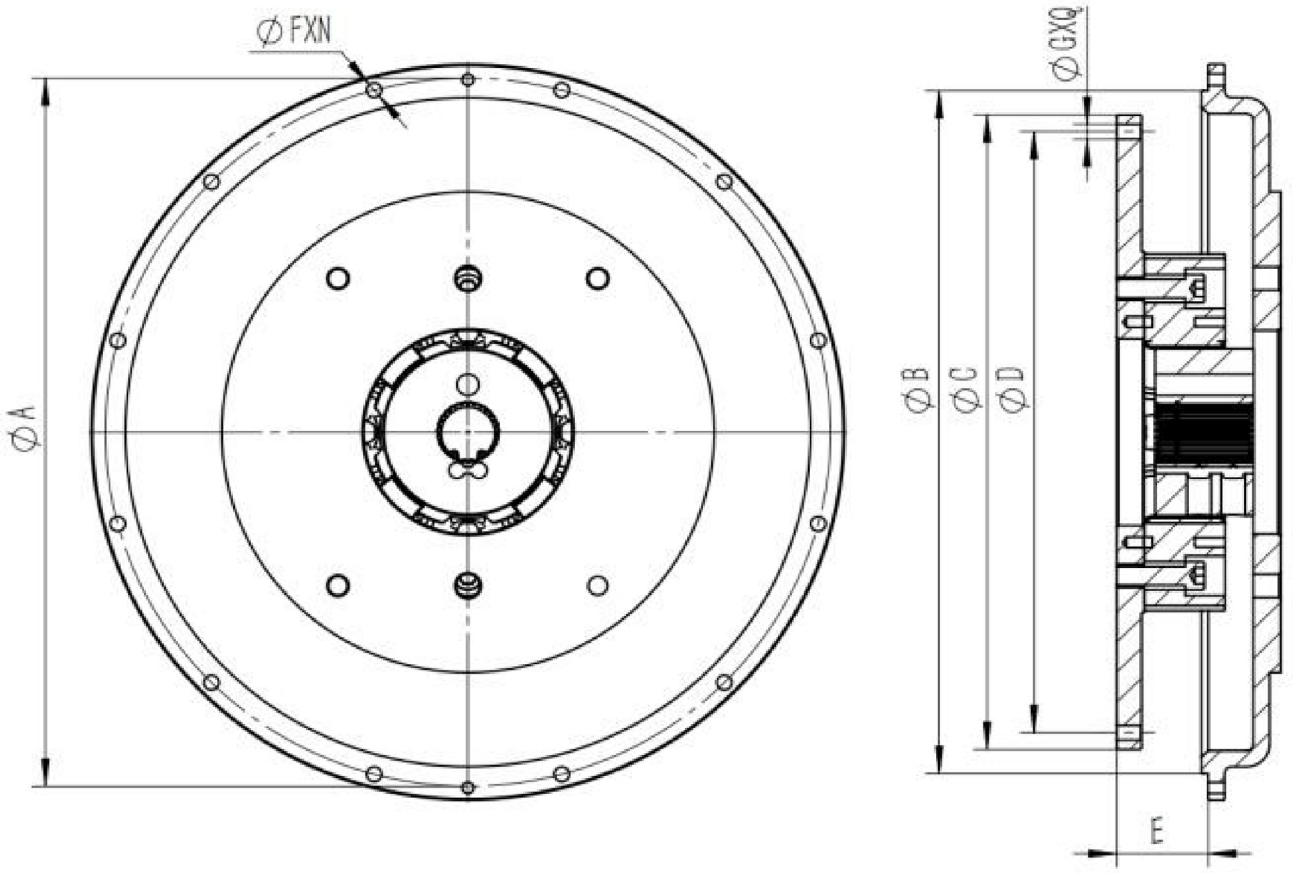






Direct Single Pump Drive

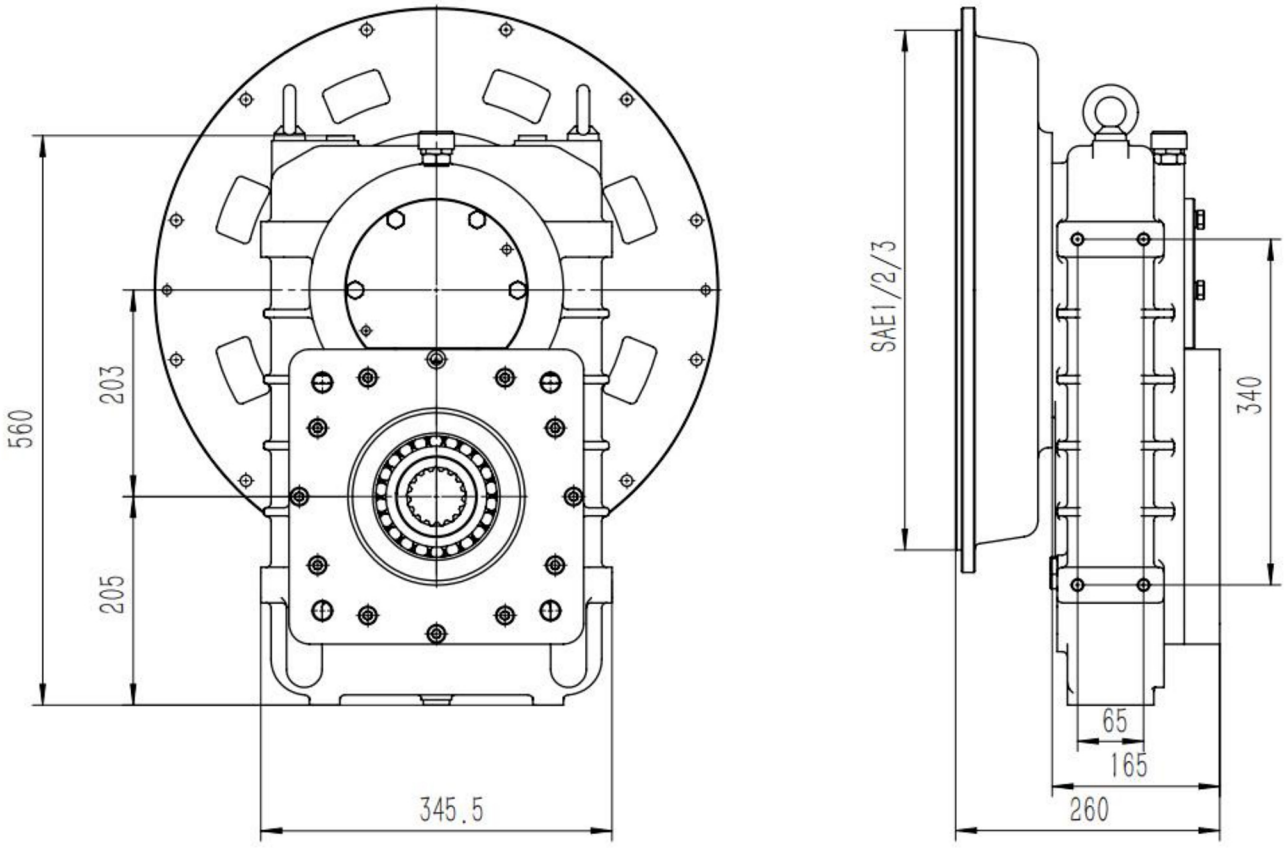
Rubflex



HOUSING DIMENSIONS				
Housing	A	B	F	N
SAE 00	850.9	787.4	13.5	16
SAE 0	679.45	647.7	13.5	16
SAE 1	530.22	511.17	12	12
SAE 2	466.72	447.68	11	12
SAE 3	428.62	409.6	11	12
SAE 4	381.0	361.95	11	12

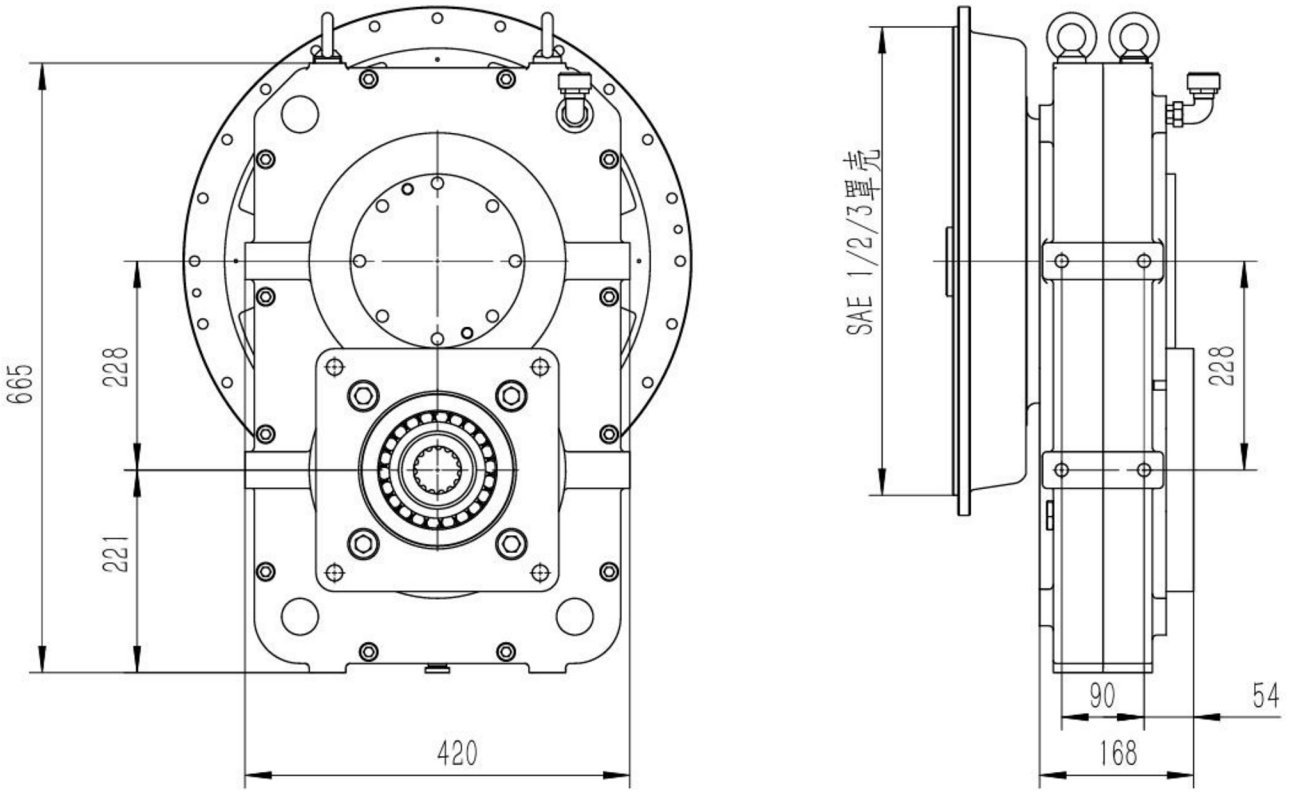
COUPLING DIMENSIONS					
Coupling	C	D	E	G	Q
21”	673.1	641.35	15.7	16.7	12
18”	571.52	542.92	15.7	16.7	6
14”	466.72	438.15	25.4	13.5	8
11.5”	352.42	333.38	39.6	11	8
10”	314.32	295.28	53.8	11	8

Pump Drive—PD1203



DATASHEET	
Input Power	350 KW
Input Torque	1900 Nm
Output Power Per Pump Pad	350 KW
Output Torque Per Pump Pad	1900 Nm
Max. Input Speed	2500 RPM
Ratio	0.68-1.45
Flang For Pump	SAE A/B/C/D/E/F

Pump Drive—PD1228

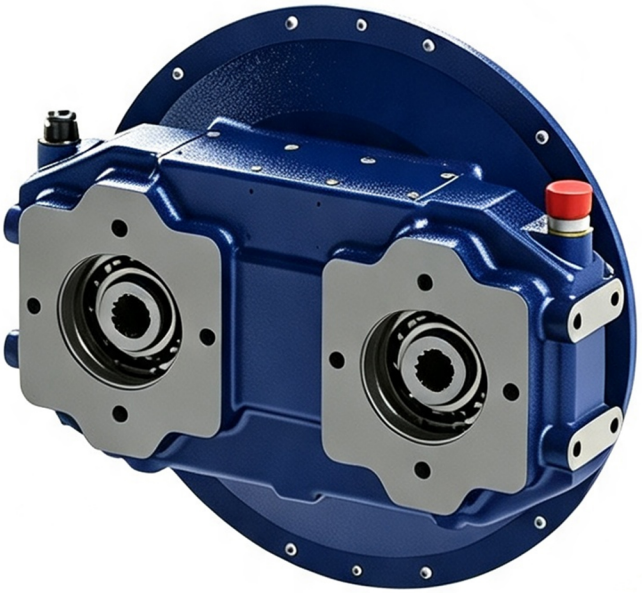


DATASHEET	
Input Power	400 KW
Input Torque	2500 Nm
Output Power Per Pump Pad	400 KW
Output Torque Per Pump Pad	2500 Nm
Max. Input Speed	2100 RPM
Ratio	0.5~2.0
Flang For Pump	SAE A/B/C/D/E/F

Two Pump Drive

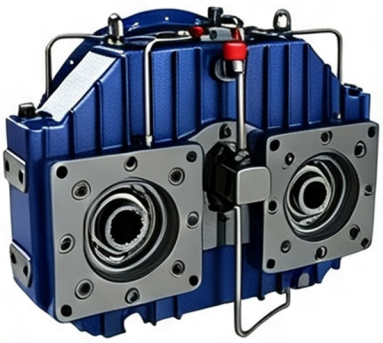
Rubflex





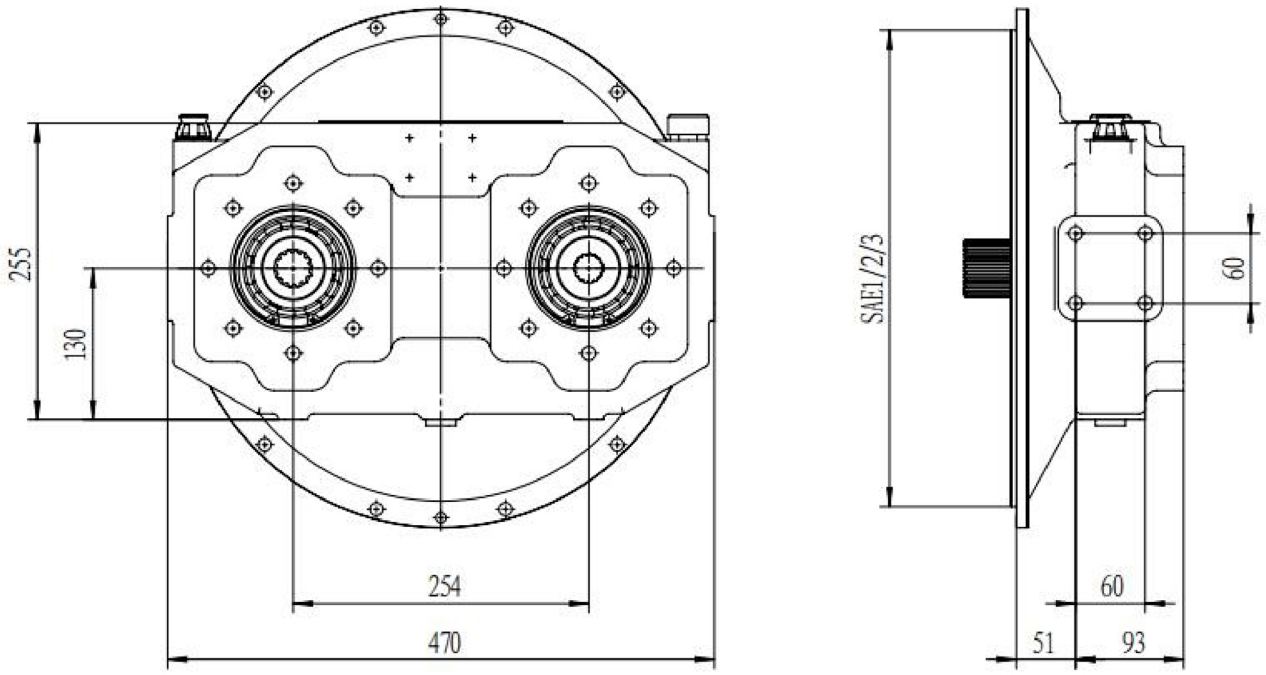
- Serialized design
- Cast iron housings
- One-piece Integral housing
- Designed for heavy-duty
- Optional E-motor Input





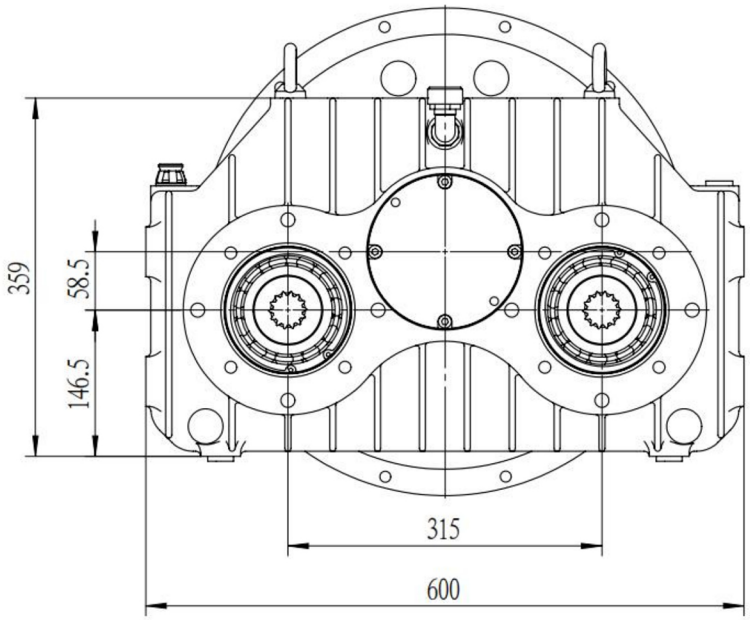


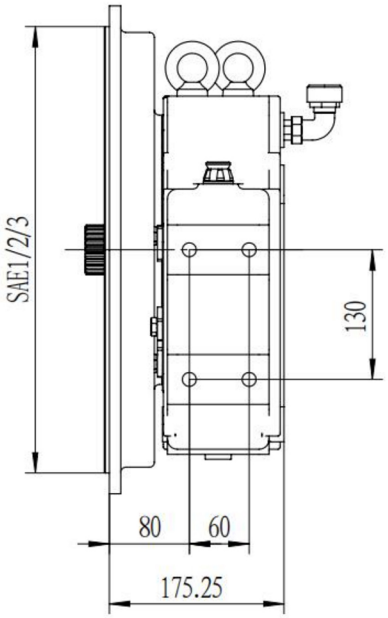
Pump Drive—PD2127



DATASHEET	
Input Power	180 KW
Input Torque	750 Nm
Output Power Per Pump Pad	100 KW
Output Torque Per Pump Pad	350 Nm
Max. Input Speed	2800 RPM
Ratio	0.7−1.4
Flang For Pump	SAE A/BIC

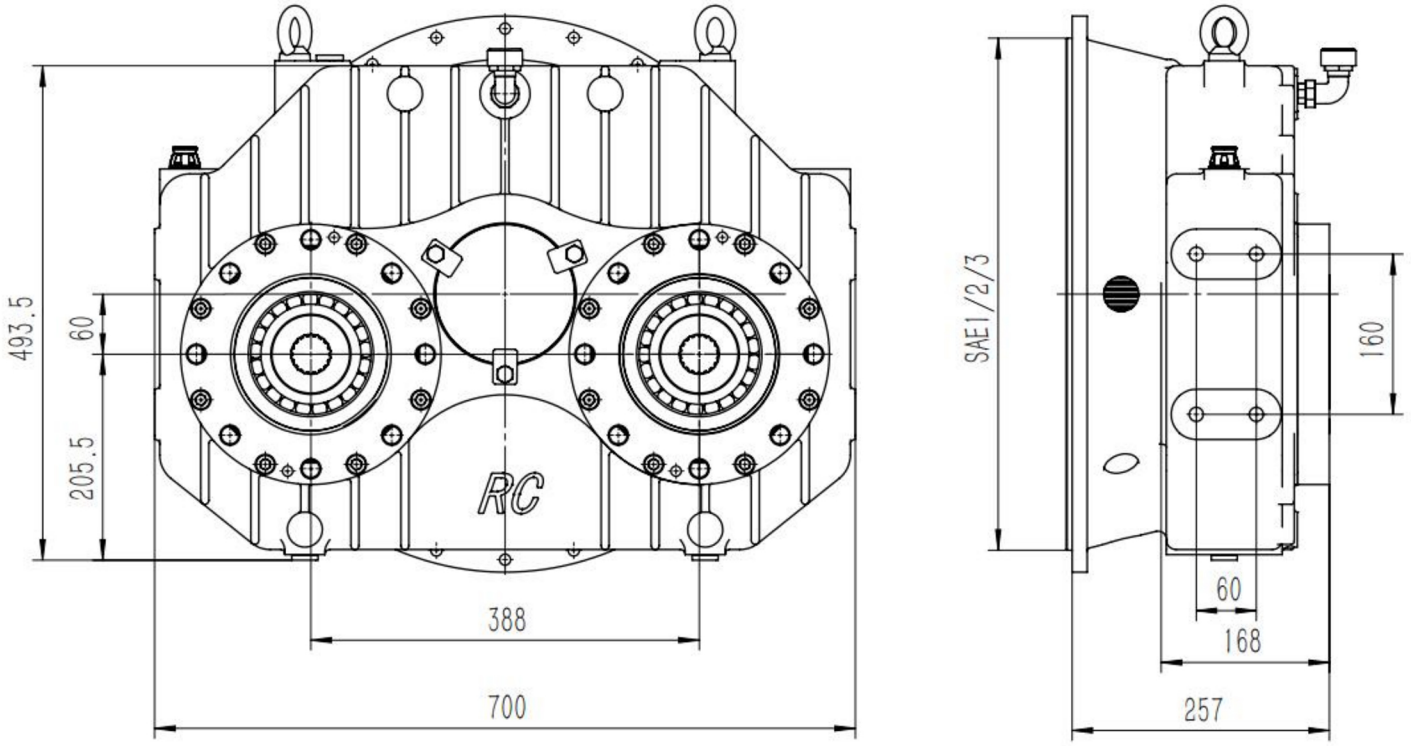
Pump Drive—PD2168





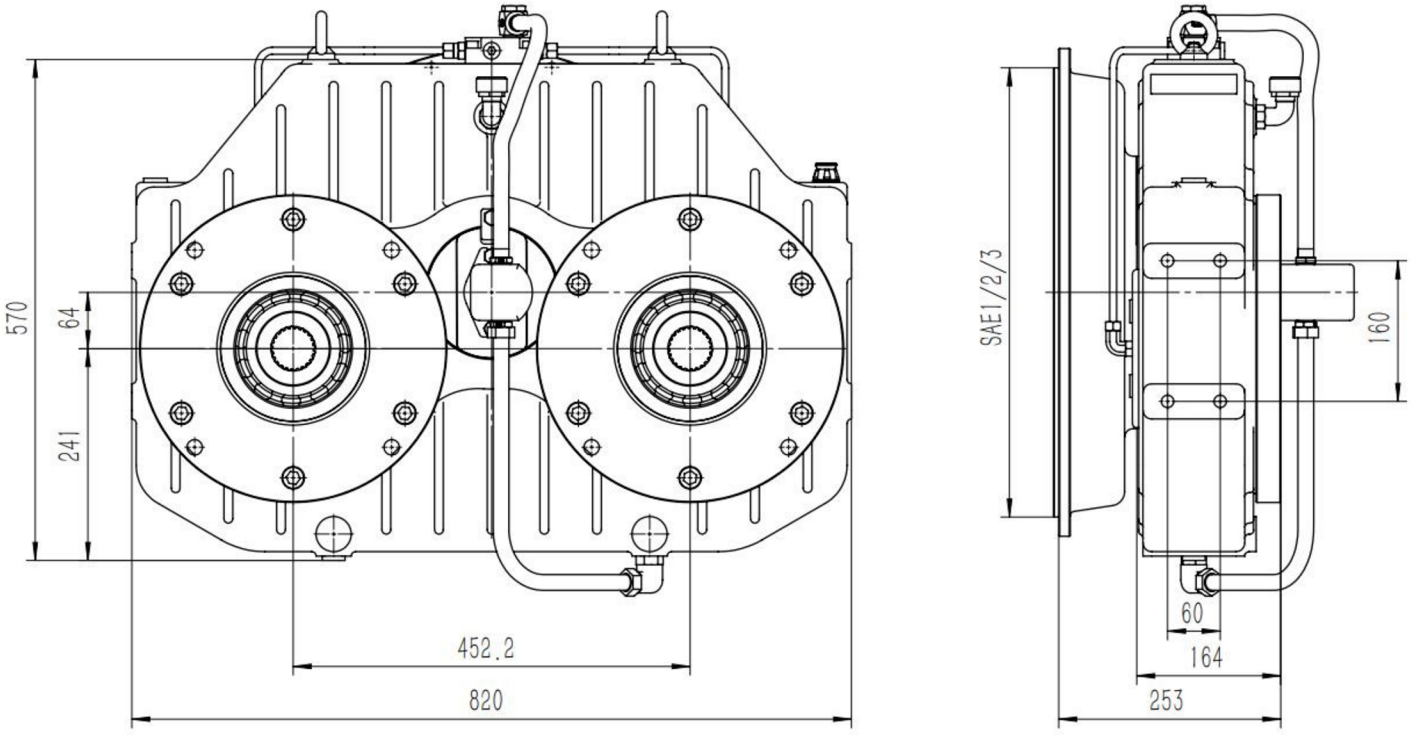
DATASHEET	
Input Power	400 KW
Input Torque	1500 Nm
Output Power Per Pump Pad	200 KW
Output Torque Per Pump Pad	750 Nm
Max. Input Speed	2500 RPM
Ratio	0.5−1.6
Flang For Pump	SAE A/B/C/D/E

Pump Drive—PD2203



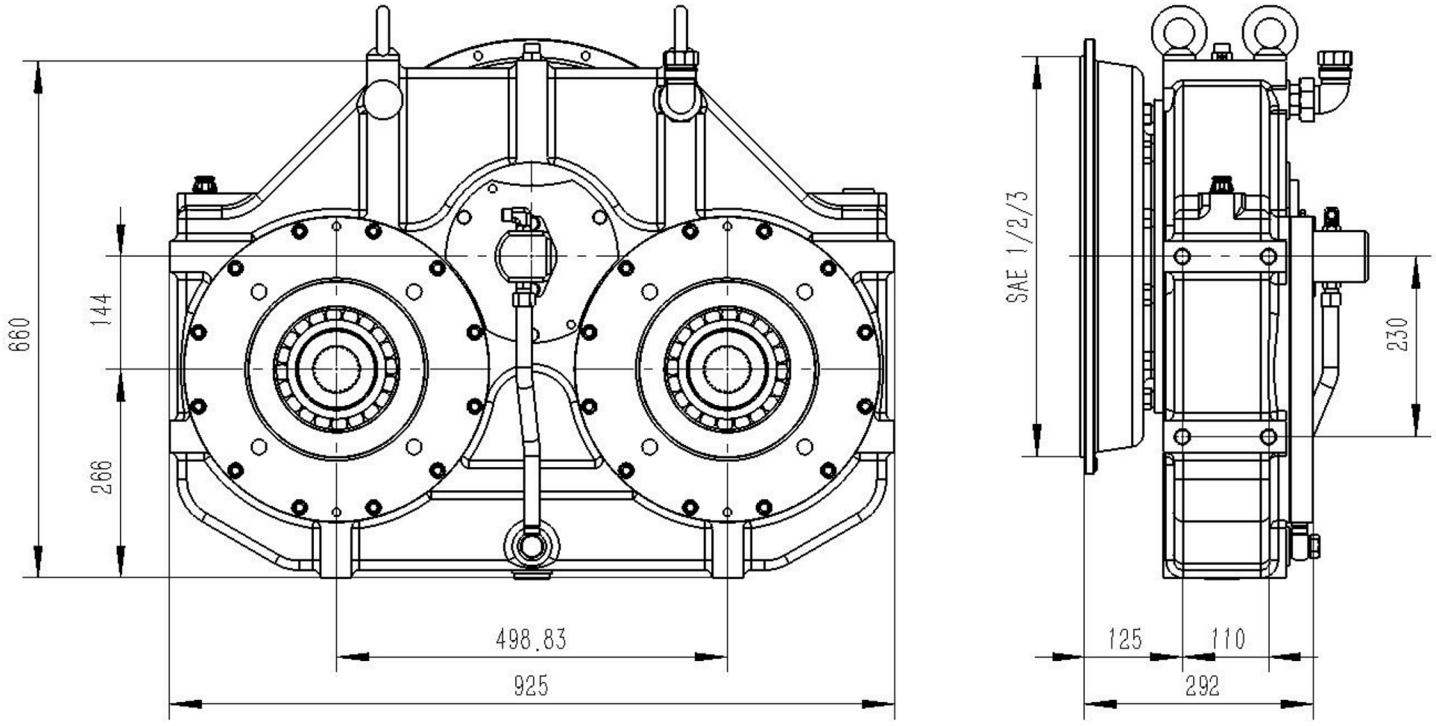
DATASHEET	
Input Power	530 KW
Input Torque	2800 Nm
Output Power Per Pump Pad	280 KW
Output Torque Per Pump Pad	1500 Nm
Max. Input Speed	2500 RPM
Ratio	0.65~1.5
Flang For Pump	SAE A/B/C/D/E/F

Pump Drive—PD2235



DATASHEET	
Input Power	700 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	360 KW
Output Torque Per Pump Pad	1900 Nm
Max. Input Speed	2200 RPM
Ratio	0.6-1.4
Flang For Pump	SAE A/B/C/D/E/F

Pump Drive—PD2288



DATASHEET	
Input Power	1000 KW
Input Torque	6500 Nm
Output Power Per Pump Pad	500 KW
Output Torque Per Pump Pad	4000 Nm
Max. Input Speed	2100 RPM
Ratio	0.67−1.07
Flang For Pump	SAE A/B/C/D/E/F

Three Pump Drive

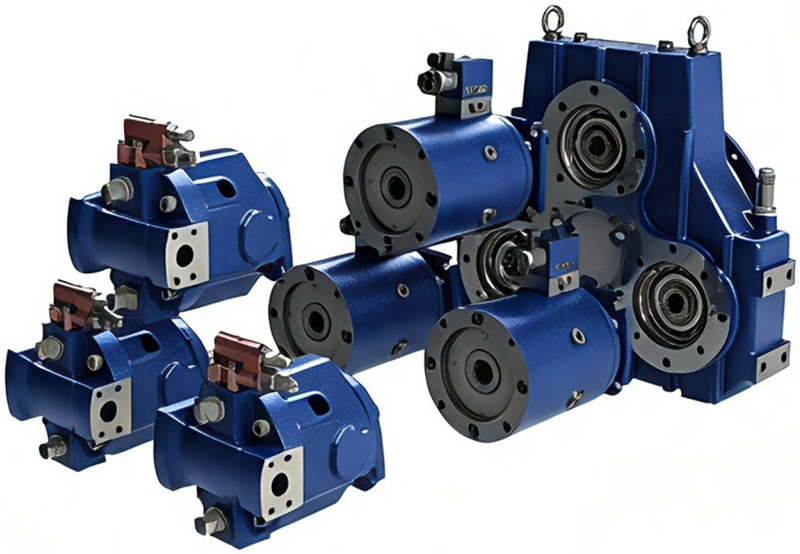
Rubflex





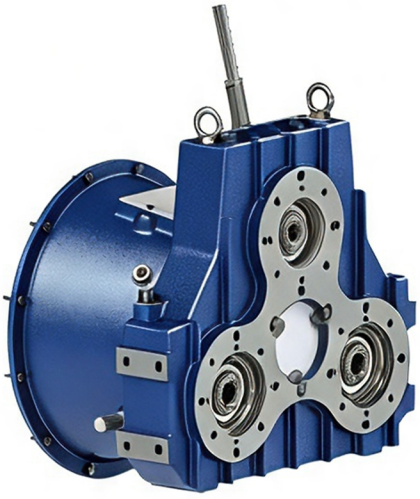


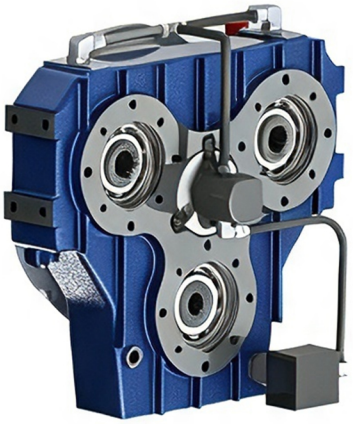




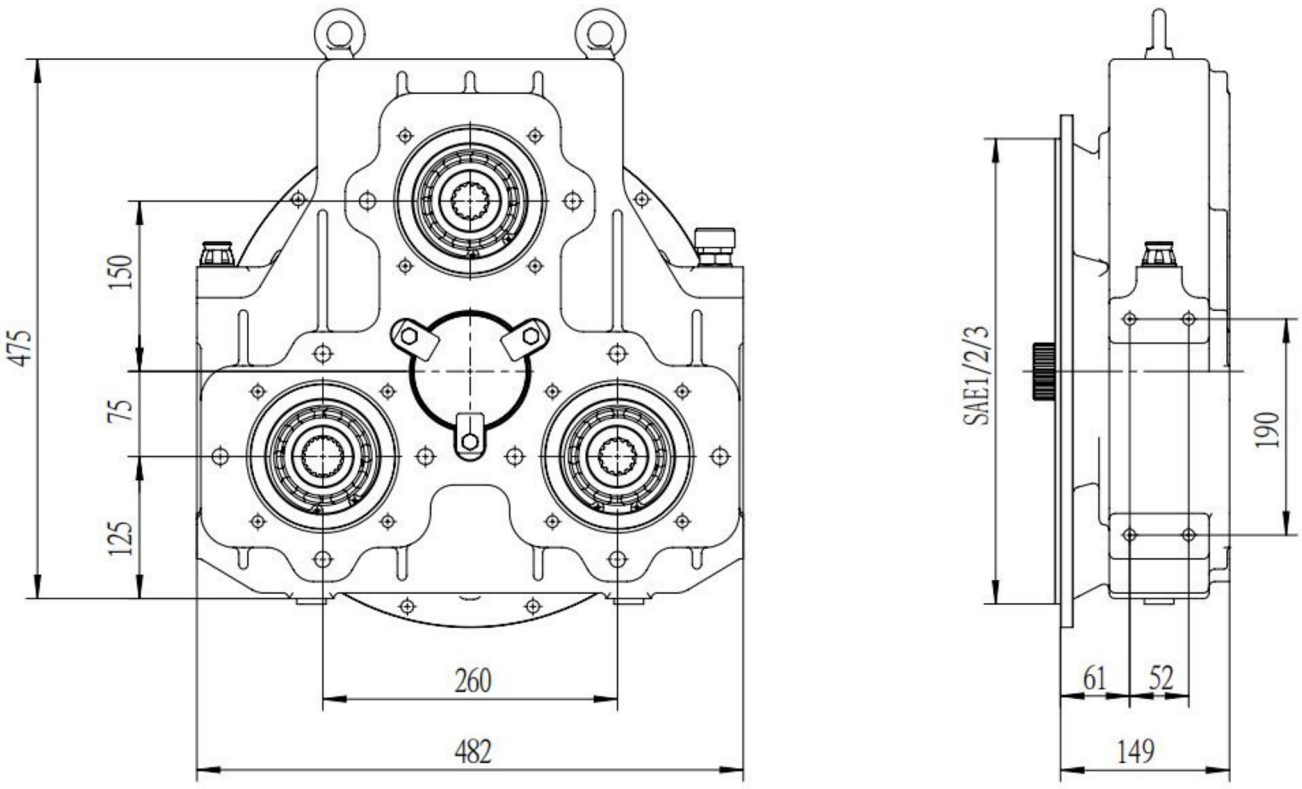
- Serialized design
- Cast iron housings
- One-piece Integral housing
- Designed for heavy-duty
- Optional E-motor Input





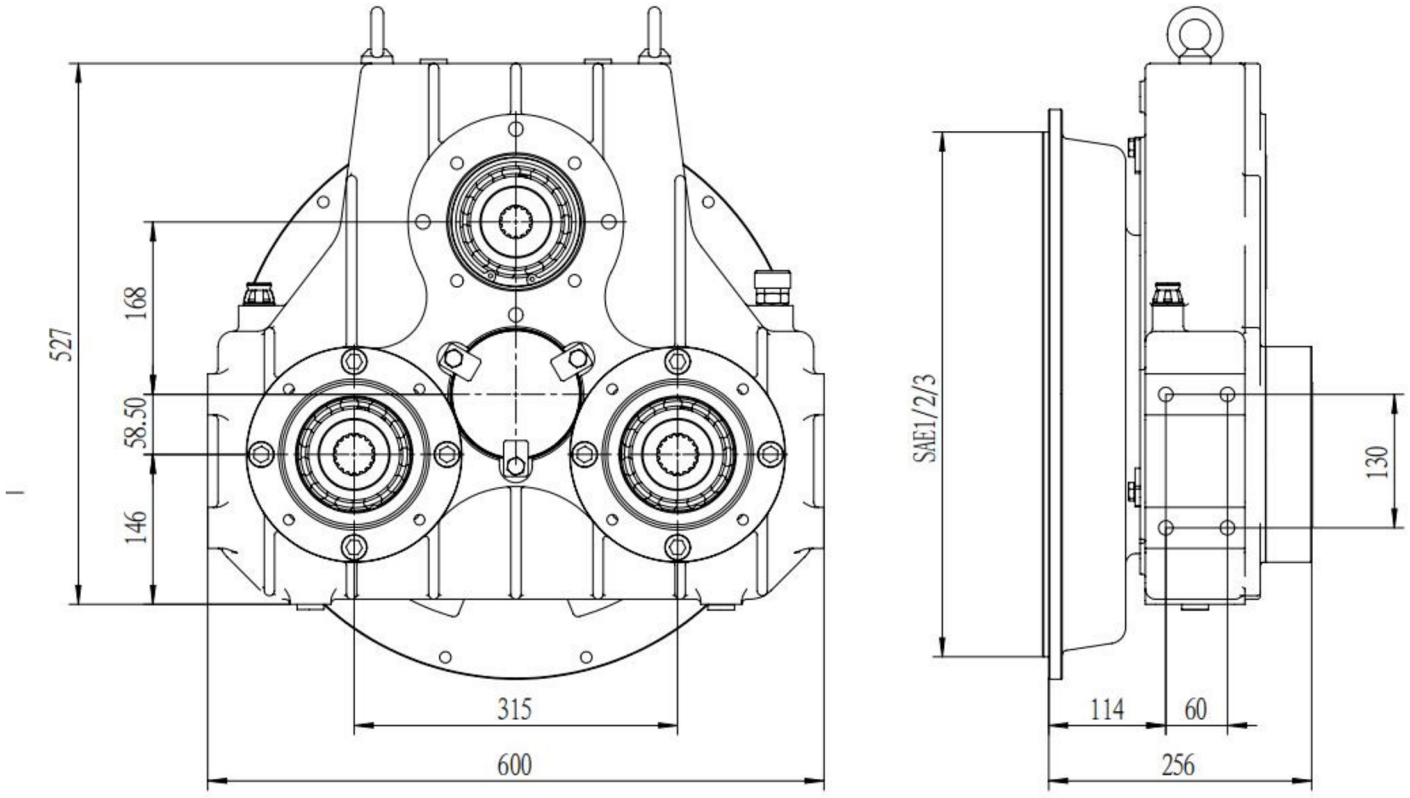


Pump Drive—PD3150



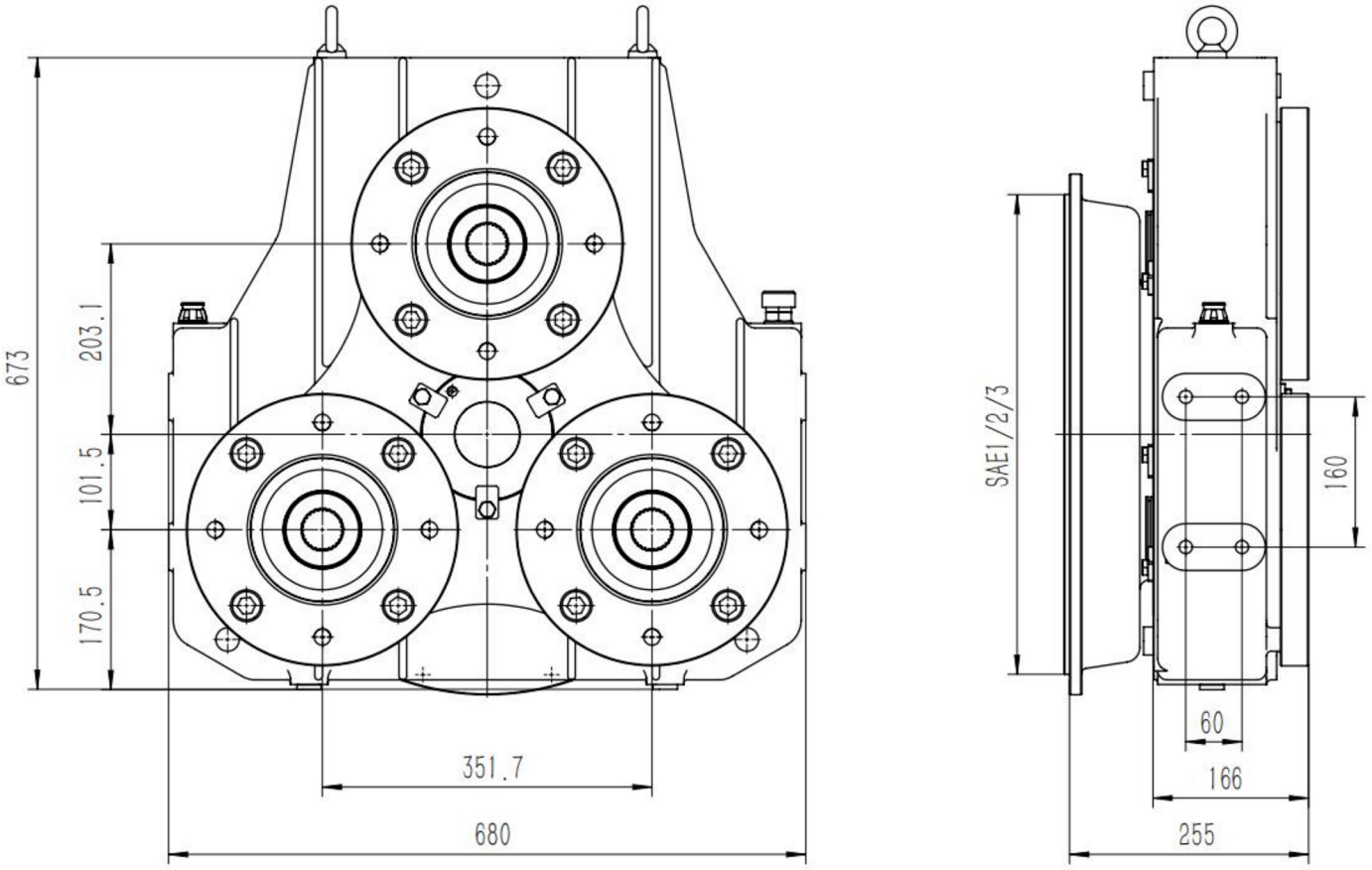
DATASHEET	
Input Power	280 KW
Input Torque	1400 Nm
Output Power Per Pump Pad	150 KW
Output Torque Per Pump Pad	650 Nm
Max. Input Speed	2500 RPM
Ratio	0.64−1.25
Flang For Pump	SAE A/B/C/D

Pump Drive—PD3168



DATASHEET	
Input Power	400 KW
Input Torque	1500 Nm
Output Power Per Pump Pad	200 KW
Output Torque Per Pump Pad	750 Nm
Max. Input Speed	2500 RPM
Ratio	0.6−1.6
Flang For Pump	SAE A/B/C/D/E

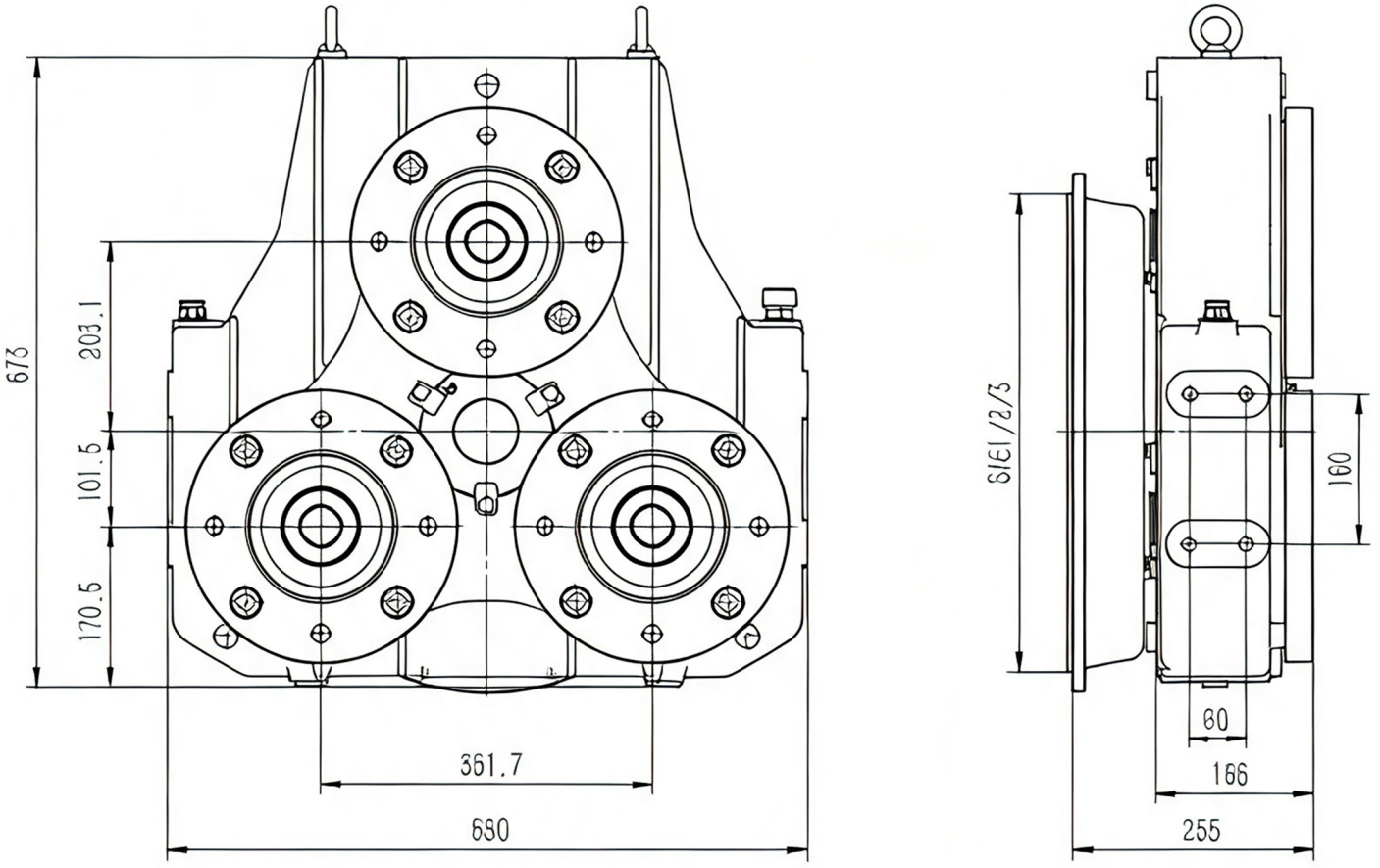
Pump Drive—PD3203



DATASHEET	
Input Power	530 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	280 KW
Output Torque Per Pump Pad	1500 Nm
Max. Input Speed	2500 RPM
Ratio	0.65~1.3
Flang For Pump	SAE A/B/C/D/E/F

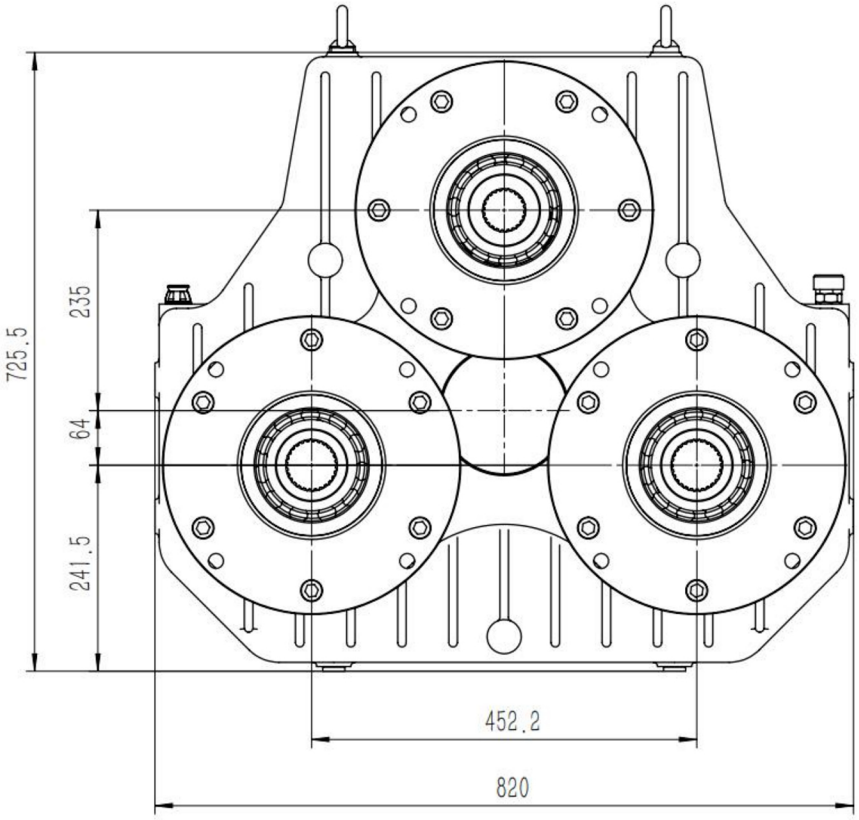
Pump Drive—PD3203B

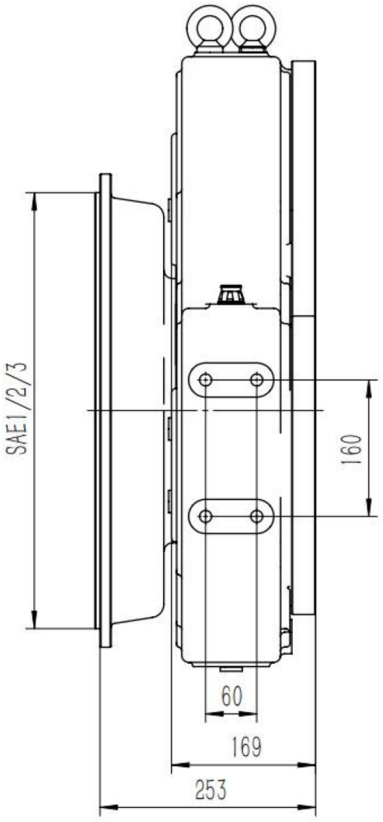
Rubflex



DATASHEET	
Input Power	530 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	280 KW
Output Torque Per Pump Pad	1500 Nm
Max. Input Speed	2500 RPM
Ratio	0.65~1.3
Flang For Pump	SAE A/B/C/D/E/F

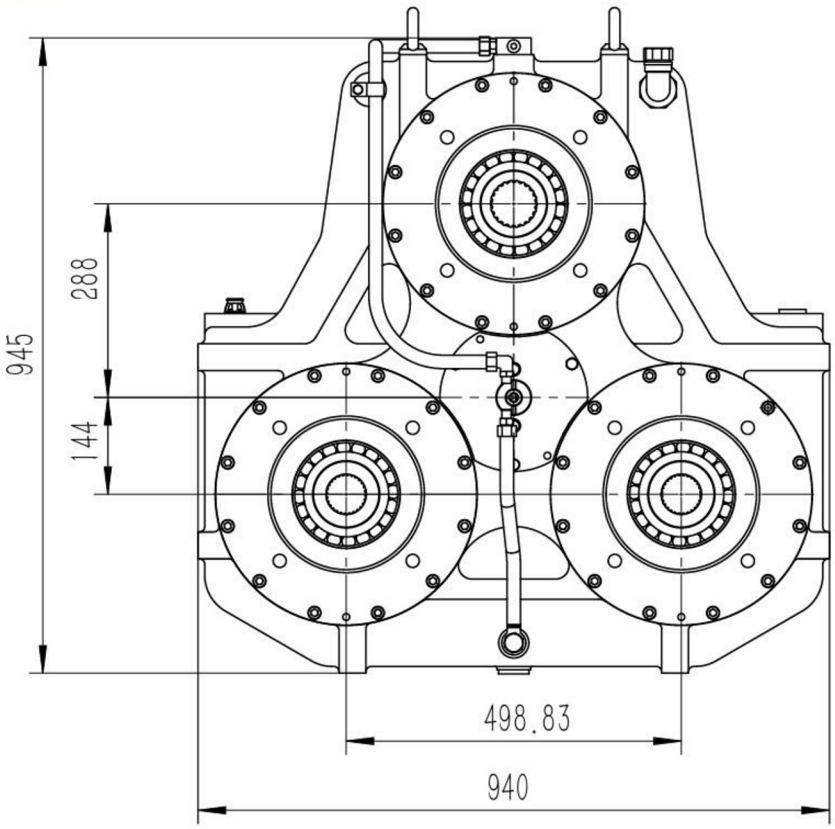
Pump Drive—PD3235

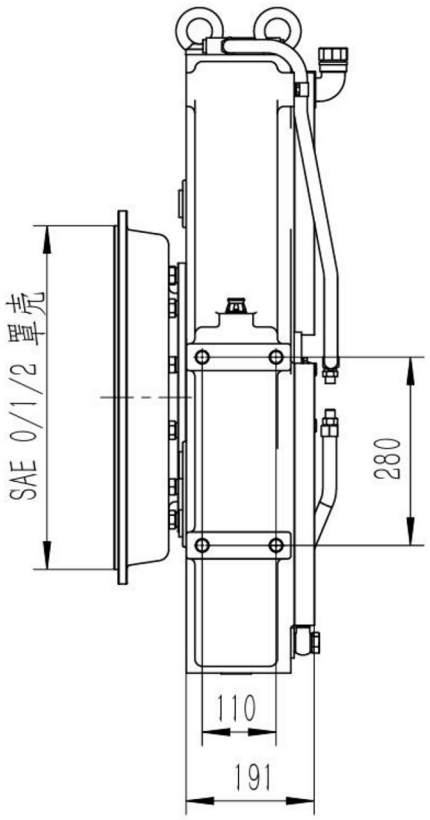




DATASHEET	
Input Power	700 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	360 KW
Output Torque Per Pump Pad	1900 Nm
Max. Input Speed	2200 RPM
Ratio	0.67~1.4
Flang For Pump	SAE A/B/C/D/E/F

Pump Drive—PD3288





DATASHEET	
Input Power	1000 KW
Input Torgue	6500 Nm
Output Power Per Pump Pad	400 KW
Output Torque Per Pump Pad	4000 Nm
Max. Input Speed	2100 RPM
Ratio	0.67~1.07
Flang For Pump	SAE A/B/C/D/E/F

Four Pump Drive

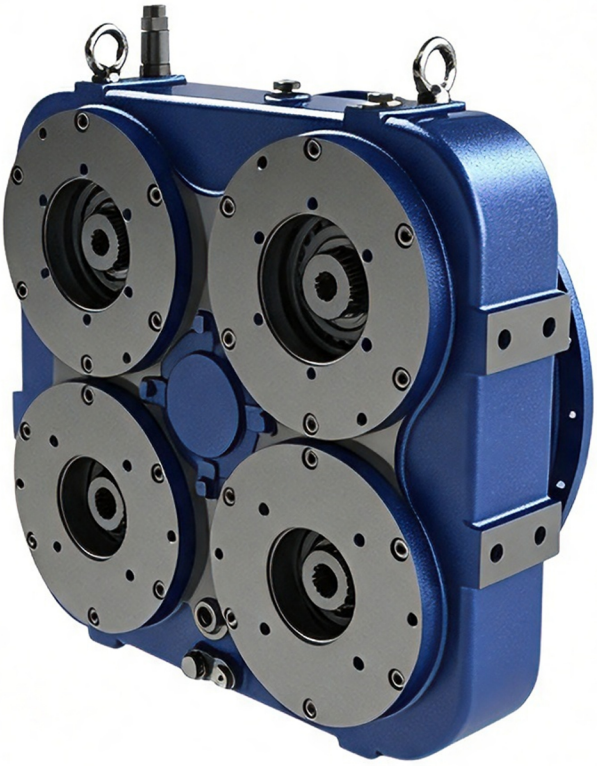
Rubflex











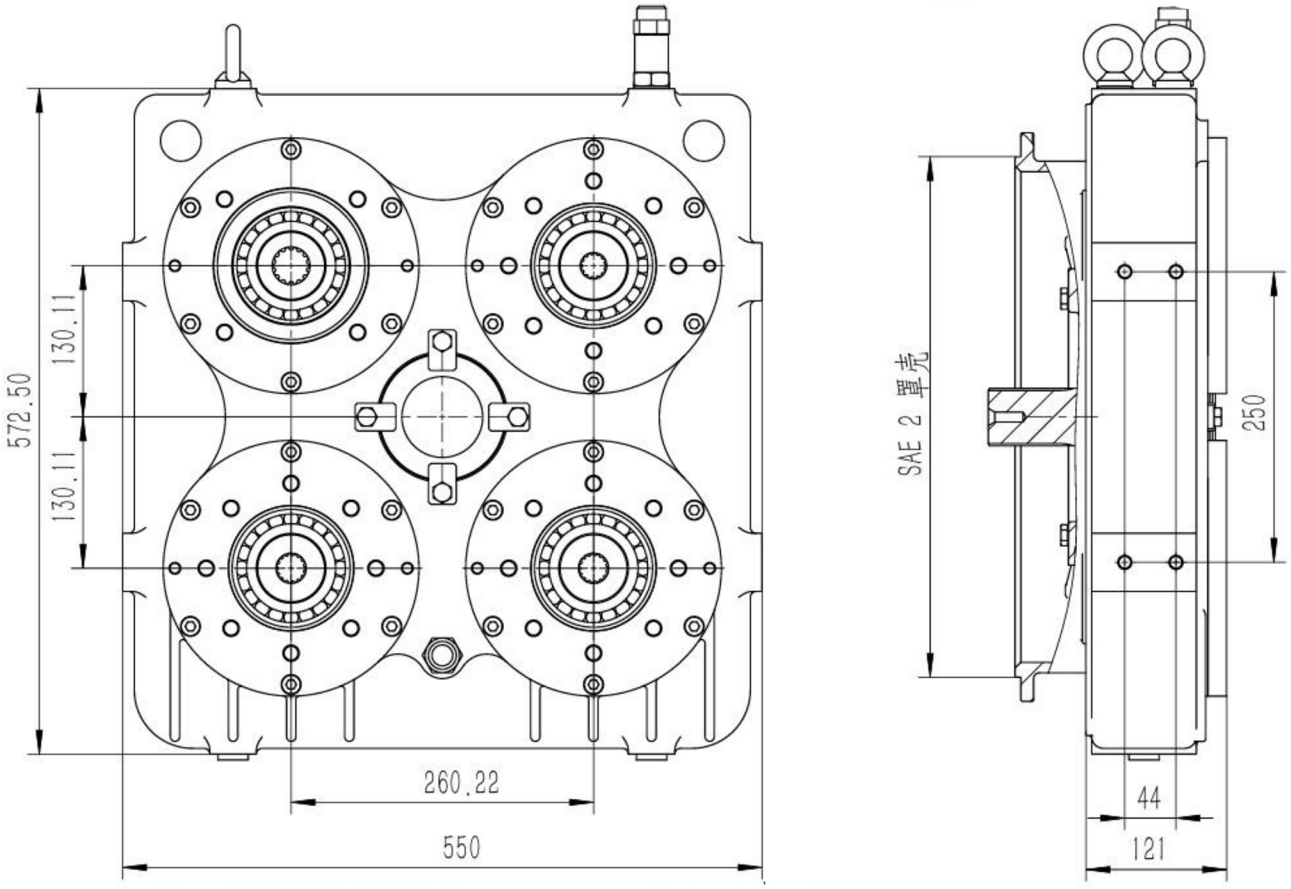
- Serialized design
- Cast iron housings
- One-piece Integral housing
- Designed for heavy-duty
- Optional E-motor Input





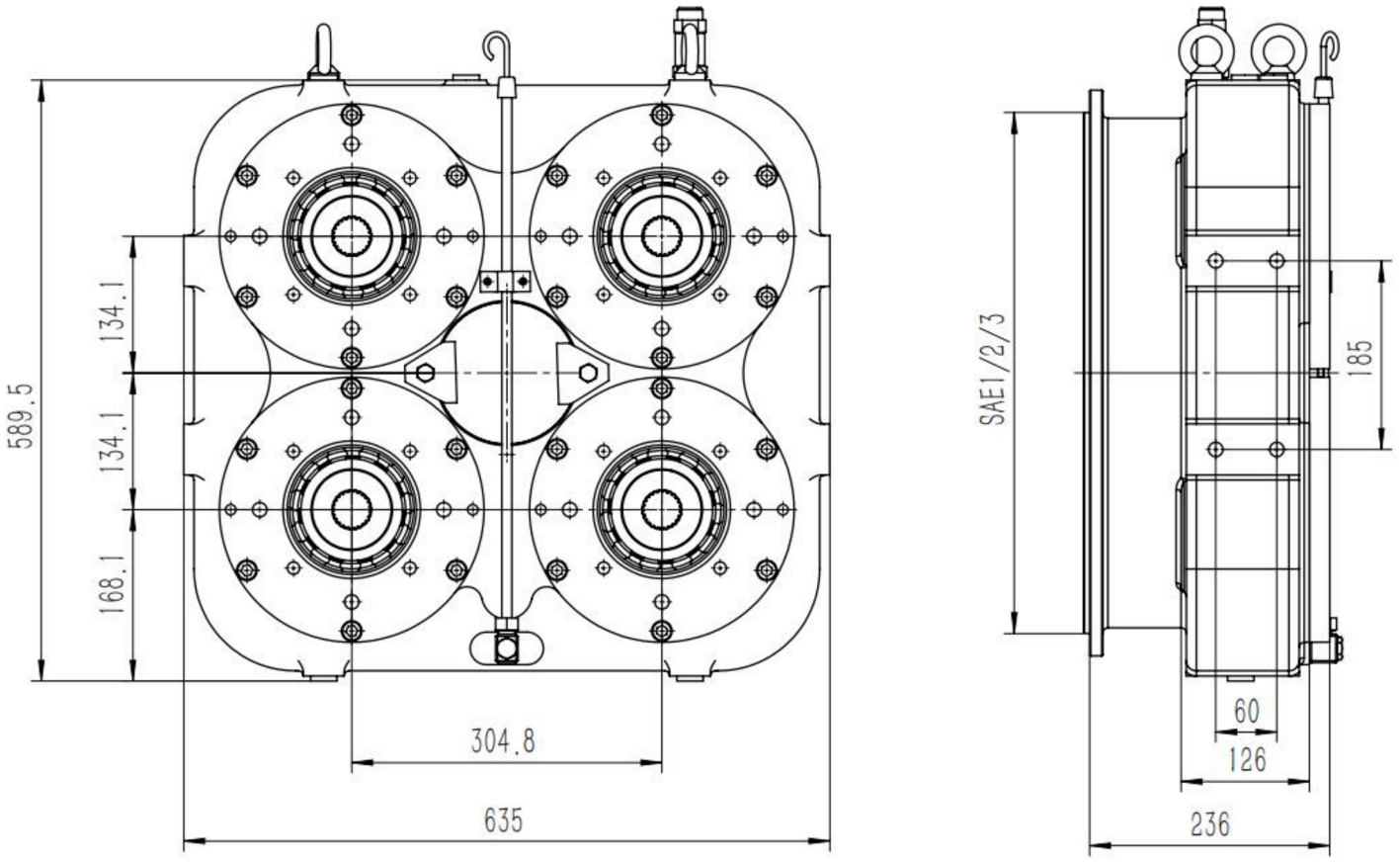


Pump Drive—PD4184



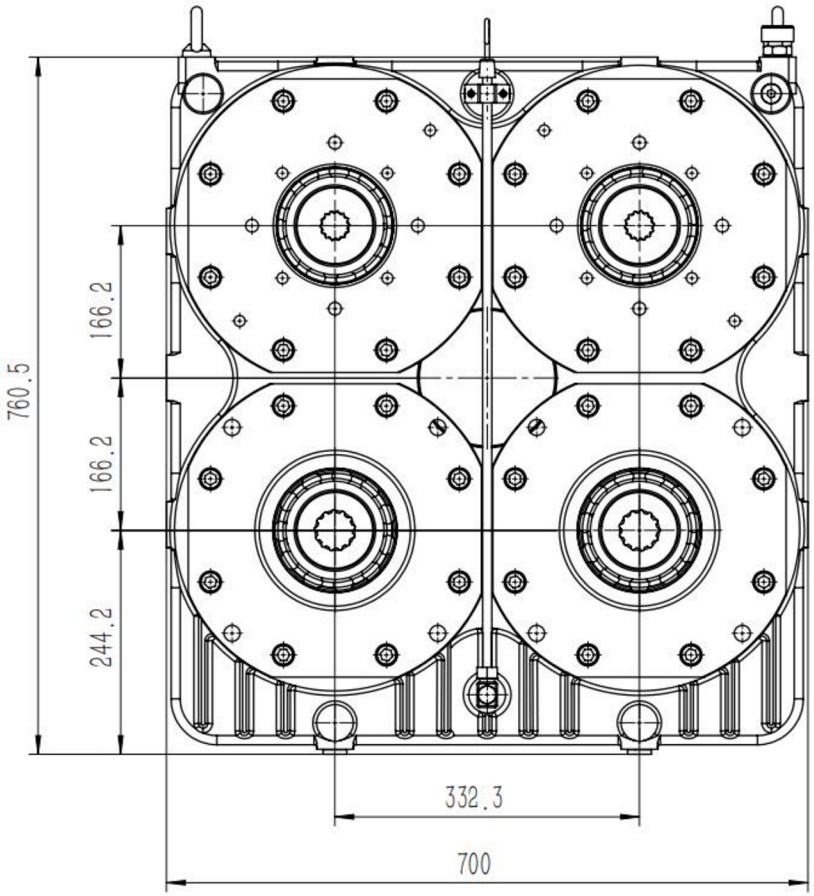
DATASHEET	
Input Power	210 KW
Input Torque	1250 Nm
Output Power Per Pump Pad	150 KW
Output Torque Per Pump Pad	1035 Nm
Max. Input Speed	2600 RPM
Ratio	0.64~1.0
Flang For Pump	SAE A/B/C/D

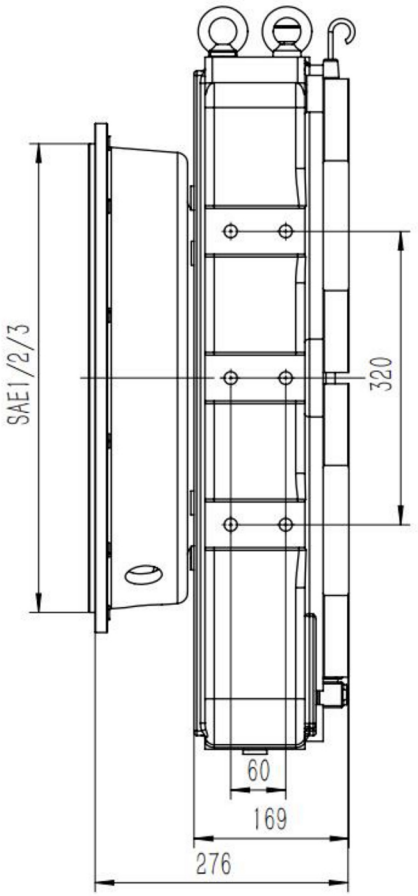
Pump Drive—PD4203



DATASHEET	
Input Power	530 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	280 KW
Output Torque Per Pump Pad	1500 Nm
Max. Input Speed	2500 RPM
Ratio	0.69~1.0
Flang For Pump	SAE A/B/C/D/E/F

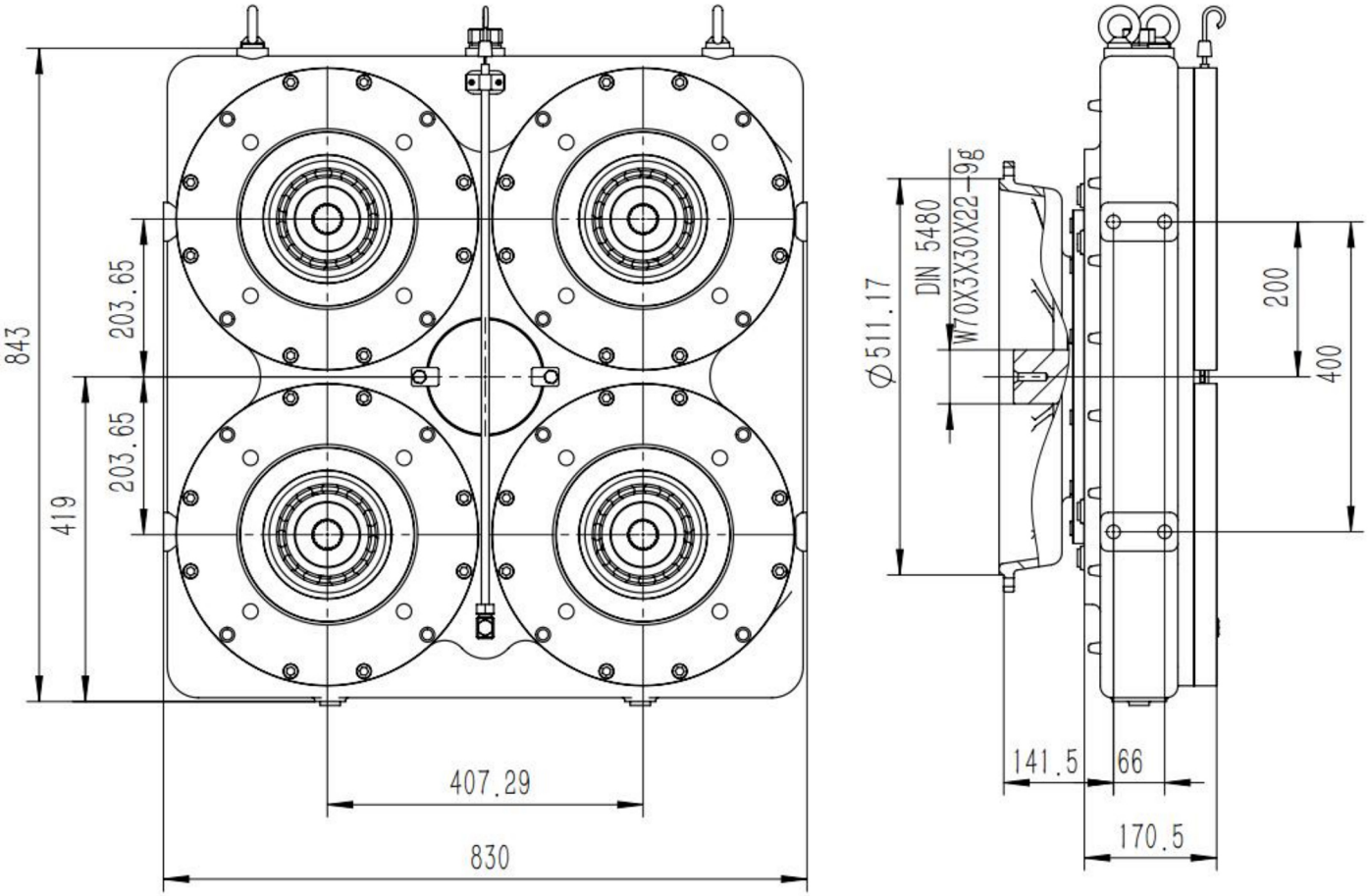
Pump Drive—PD4235





DATASHEET	
Input Power	700 KW
Input Torque	3000 Nm
Output Power Per Pump Pad	360 KW
Output Torque Per Pump Pad	1900 Nm
Max. Input Speed	2200 RPM
Ratio	0.55~1.4
Flang For Pump	SAE A/B/C/D/E/F

Pump Drive—PD4288

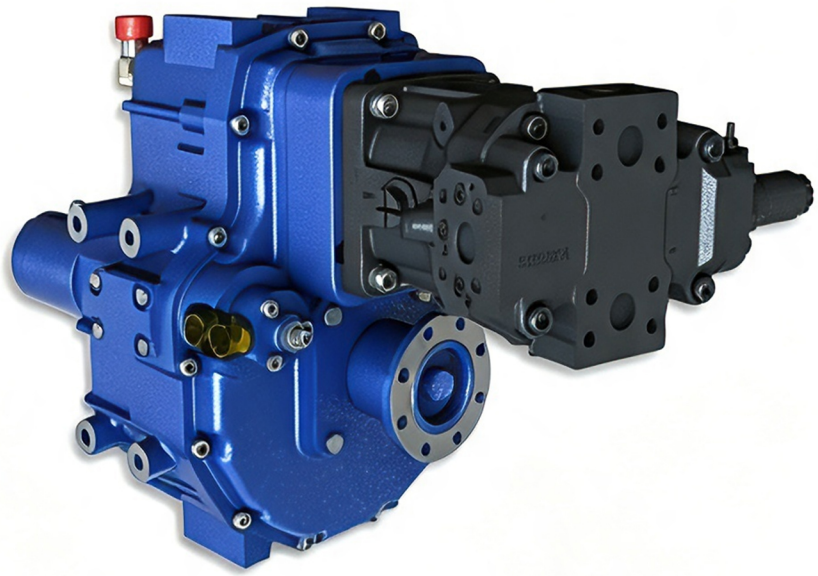


DATASHEET	
Input Power	1000 KW
Input Torgue	6500 Nm
Output Power Per Pump Pad	400 KW
Output Torque Per Pump Pad	4000 Nm
Max. Input Speed	2100 RPM
Ratio	0.64~1.0
Flang For Pump	SAE A/B/C/D/E/F

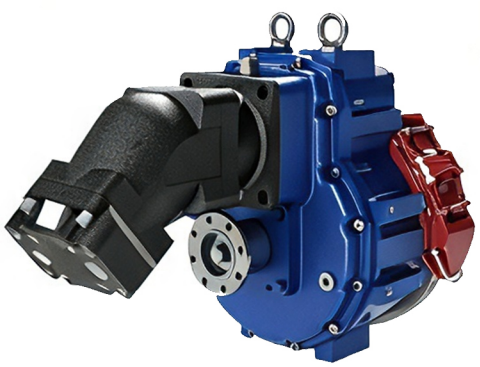
Hydrostatic Transmission

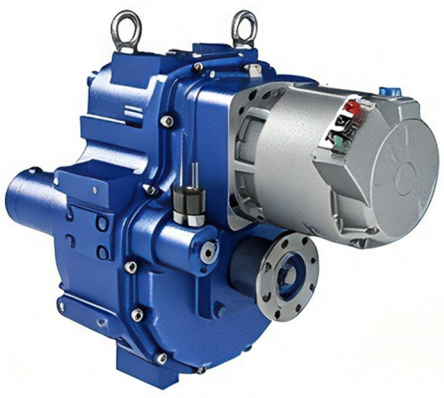
Rubflex





- Optional E-motor Input
- Hydraulic or pneumatic shift
- Optional parking brake
- Vertical or horizontal installation
- Optional synchronized







Rubiflex

Application Data Sheet——Hydrostatic Transmission

Application device information

Type of equipment _____

Fully laden vehicle weight ： _____ton

Maximum vehicle speed ： _____km/h

Tire radius ： _____mm

Rear axle speed ratio: _____

Operating hours per day _____hours Ambient temperature _____℃

Prime Mover

☐ Hydraulic Motor ☐ E-Motor ☐Other_____

Displacement of Hydraulic Motor _____ ml/r

Operating pressure of Motor _____Mpa; Max. pressure of Motor _____Mpa

Max. Speed of Hydraulic Motor _____ RPM

Flange of Motor: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Motor: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

Hydrostatic Transmission

Output drop from engine: ☐ 160 ☐ 180 ☐ 270 ☐Other___

1st gear ratio: ☐ 4.06 ☐ 3.24 ☐Other___

2nd gear ratio: ☐ 1.314 ☐ 1.06 ☐Other___

Transfer case: ☐ Four-wheel drive ☐ front-wheel drive ☐rear-wheel drive

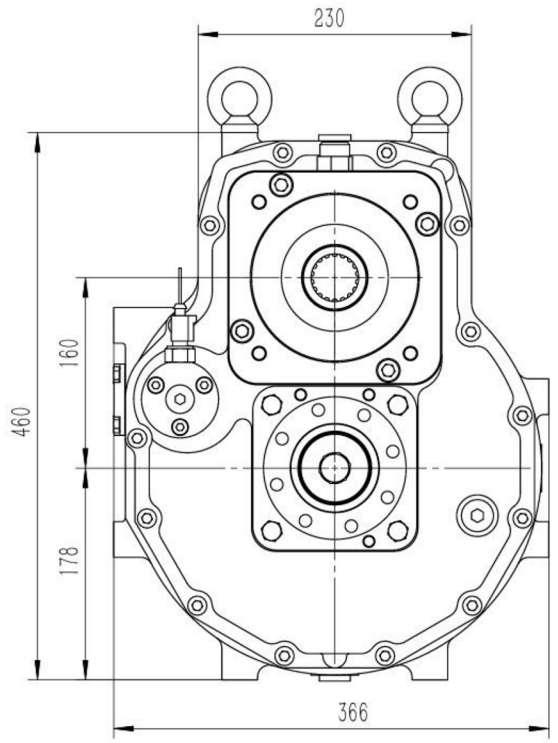
Output Flang: ☐ 120 ☐ 100 ☐Other___

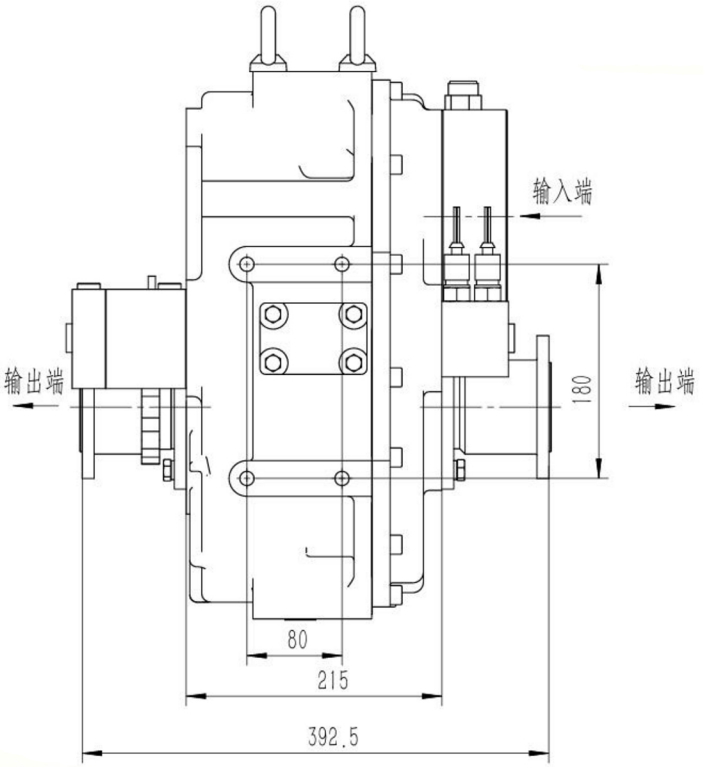
Shifting Method: ☐ Parking ☐ Powershift

Control Method: ☐ Pneumatic ☐ Hydraulic ☐Other____

HMD2160

Rubiflex

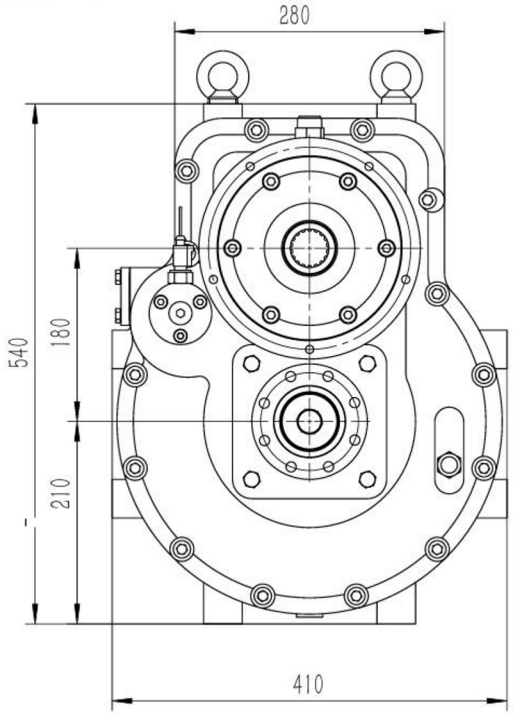


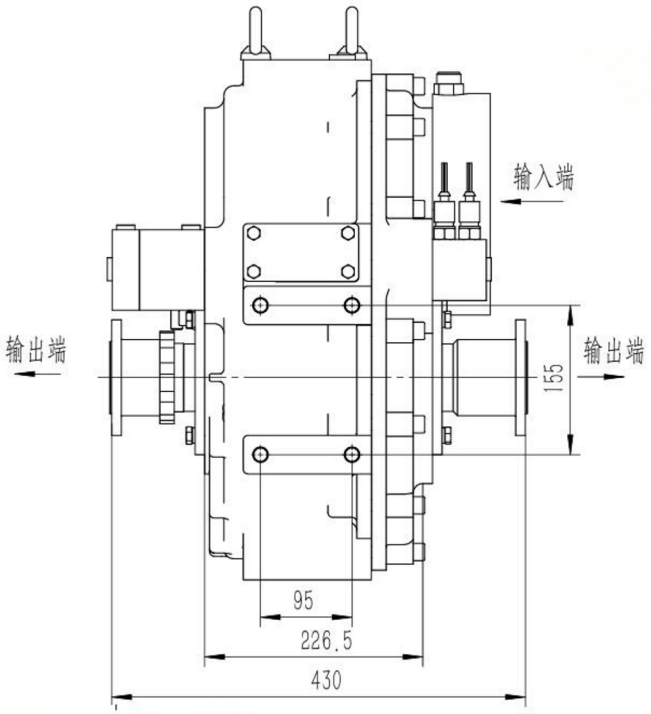


DATASHEET	
Input Power	105 KW
Input Torque	950 Nm
Max. Input Speed	5000 RPM
Number of gears	1 or 2
2nd gear ratio	0.9~1.6
1st gear ratio	1.5~4.07
Hydraulic Motor	71~160 cc/r
Shifting Method	Parking and shifting
Control Method	Hydraulic or pneumatic
Output Flange	1 or 2
Output Rotation	Opposite

HMD2180

Rubiflex

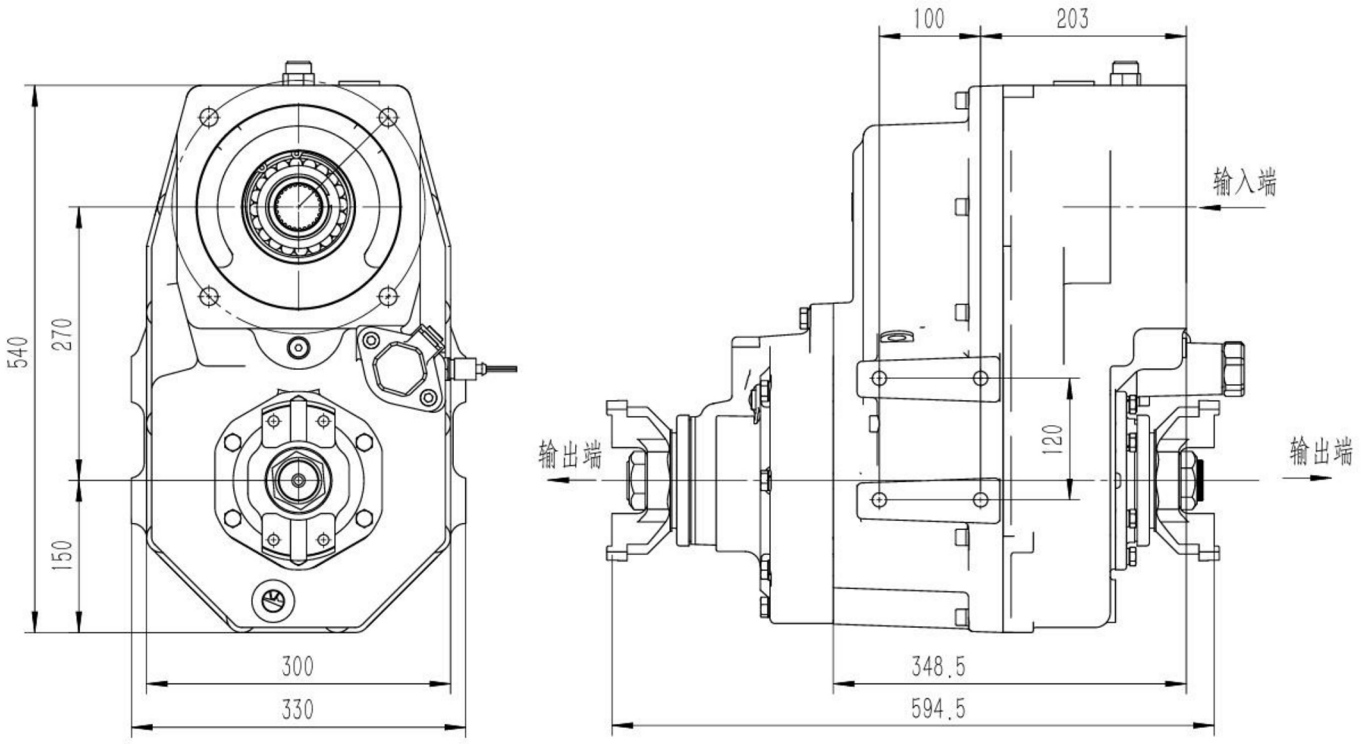




DATASHEET	
Input Power	200 KW
Input Torque	1300 Nm
Max. Input Speed	4500 RPM
Number of gears	1 or 2
2nd gear ratio	0.9~1.6
1st gear ratio	1.2~4.5
Hydraulic Motor	115~200 cc/r
Shifting Method	Parking and shifting
Control Method	Hydraulic or pneumatic
Output Flange	1 or 2
Output Rotation	Same as input

HMT2270

Rubiflex

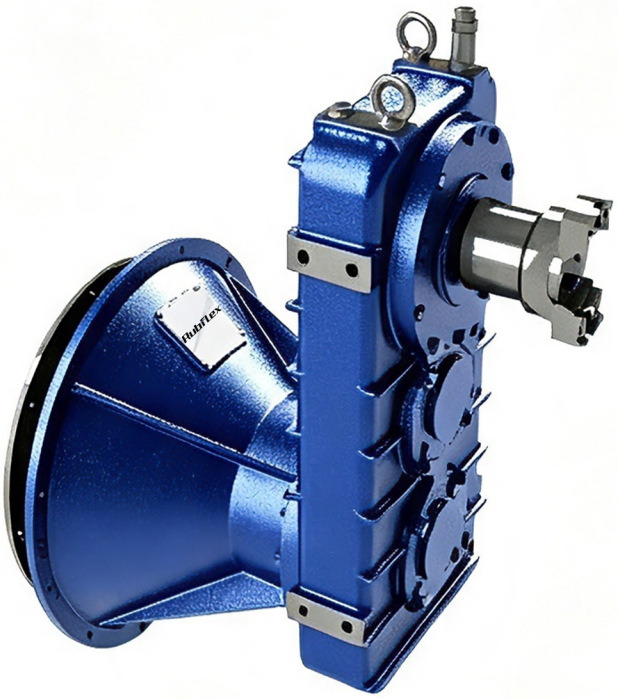


DATASHEET	
Input Power	330 KW
Input Torque	1100 Nm
Max. Input Speed	4500 RPM
Number of gears	1 or 2
2nd gear ratio	0.89~2.13
1st gear ratio	1.68~6.31
Hydraulic Motor	115~170 cc/r
Shifting Method	Parking and shifting
Control Method	Hydraulic or pneumatic
Output Flange	1 or 2
Output Rotation	Opposite

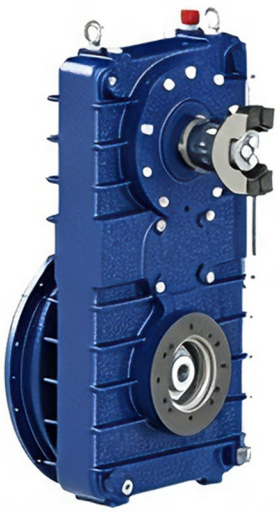
Upbox

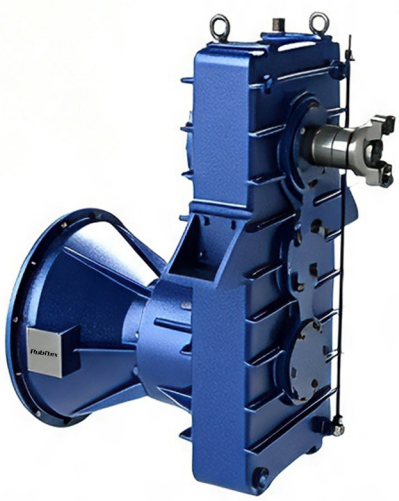
Rubflex

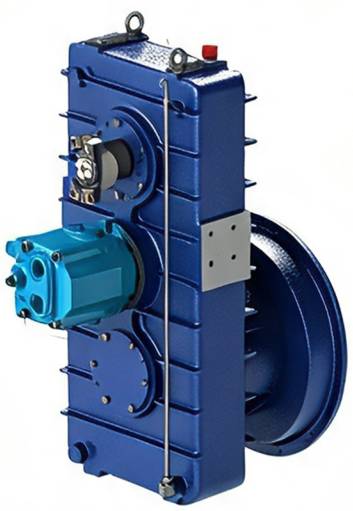




- Optional E-motor Input
- Bell housing can be customized
- Optional bottom pump port
- Optional middle pump port
- Optional speed-increase







Rubiflex

Application Data Sheet——Upbox

Requested Model _____ Input Speed _____ Output Speed _____

Output upbox from engine: ☐254 ☐406 ☐502 ☐660 ☐Other___

Application device information

Type of equipment _____

Operating hours per day _____hours Ambient temperature _____℃

Duty Classification: ☐Light Duty ☐Normal Duty ☐Heavy Duty

Prime Mover

☐ Diesel engine ☐ E-Motor ☐Other_____

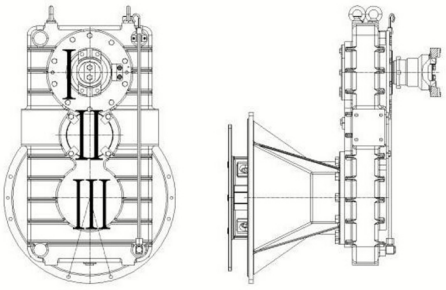
Rated power_____KW / rated speed _____RPM

Max. torque _____Nm / speed _____RPM

Housing: ☐647.7 ☐511.17 ☐447.6 ☐409.6 ☐361.95 ☐Other_____

Flywheel: ☐571.5 ☐466.7 ☐352.4 ☐314.3 ☐Other_____

Distance between housing and flywheel: ☐15.7 ☐25.4 ☐39.6 ☐66.7 ☐Other___



Port- I Configuration

Flange of Cardan shaft: ☐ Spicer 5C ☐ Spicer 7C ☐Other___

Port- II Configuration

Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

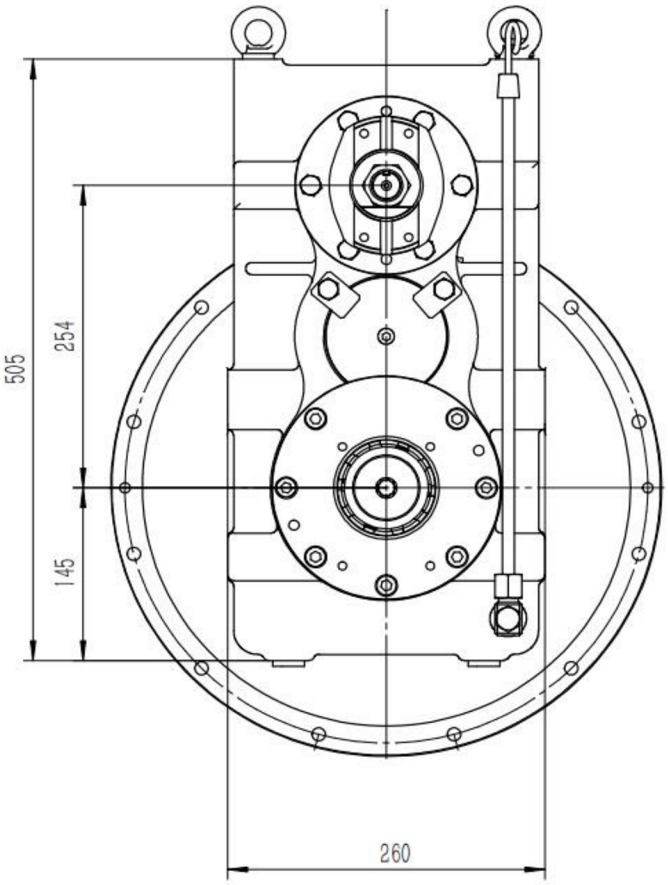
Port-III Configuration

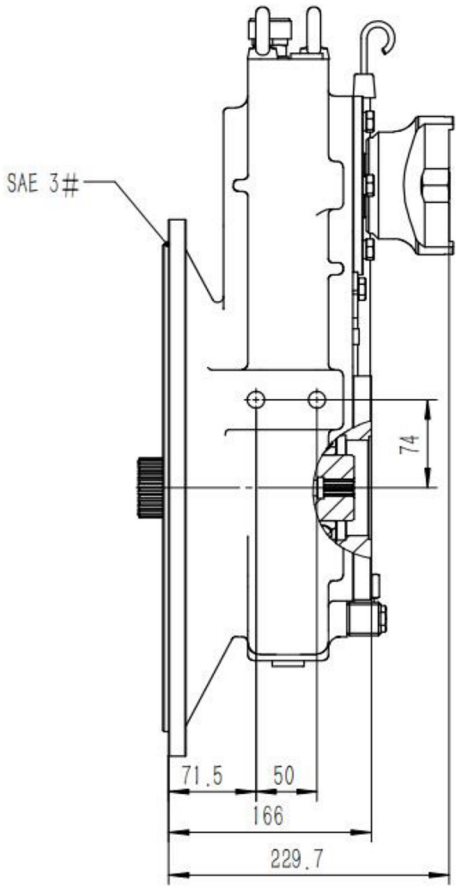
Flange of Pump: ☐165.1 ☐152.4 ☐127 ☐101.6 ☐82.55 ☐Other___

Spline of Pump: ☐ 21T-16/32DP ☐14T-12/24DP ☐13T-8/16DP ☐Other___

Upbox—2127T

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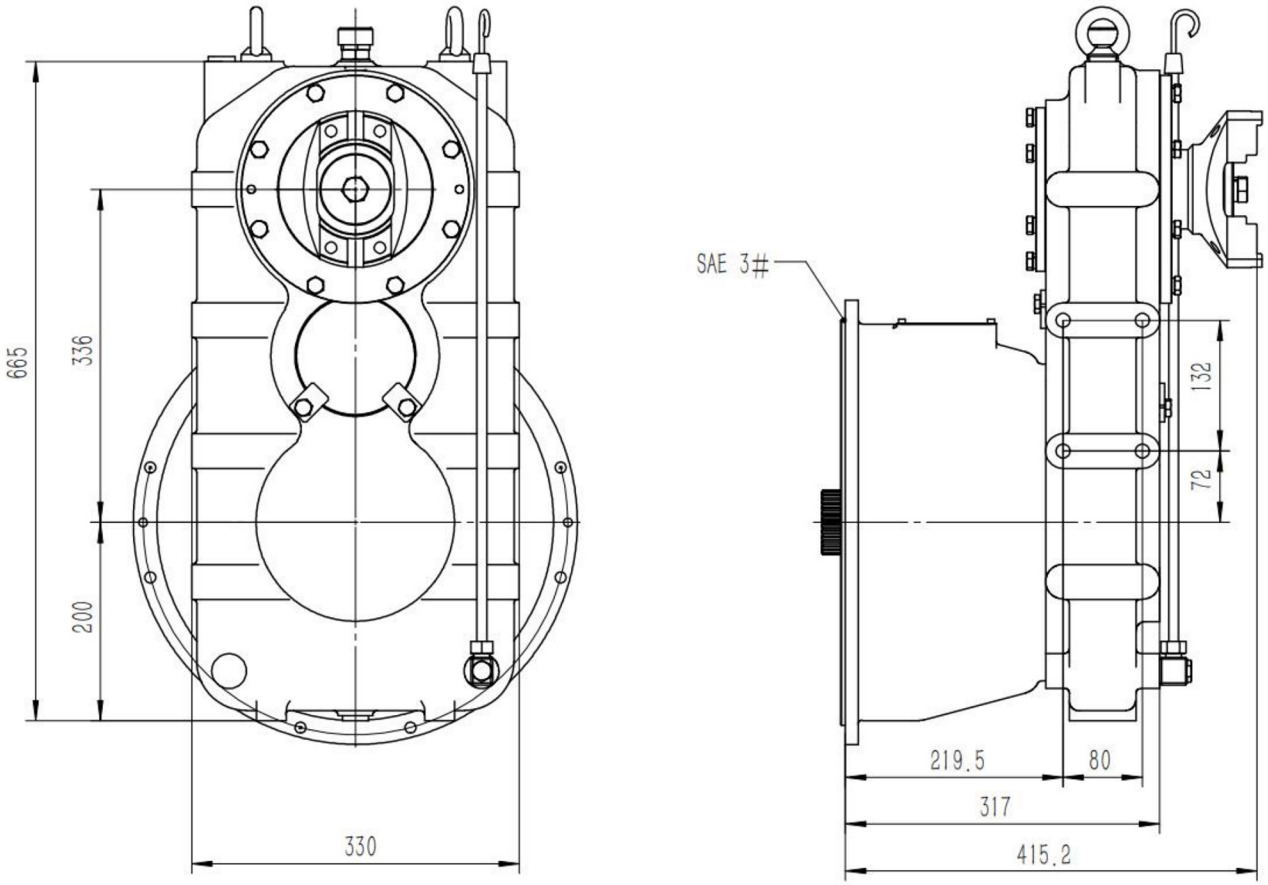




DATASHEET	
Input Power	90 KW
Input Torque	600Nm
Output Power	100 KW
Output Torque	600 Nm
Max. Input Speed	3000 RPM
Ratio	1
Flang	Customized

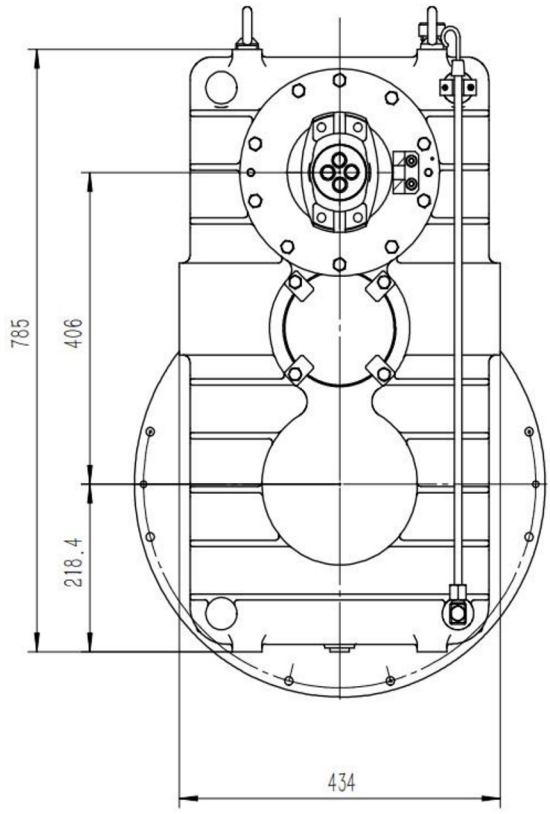
Upbox—2168T

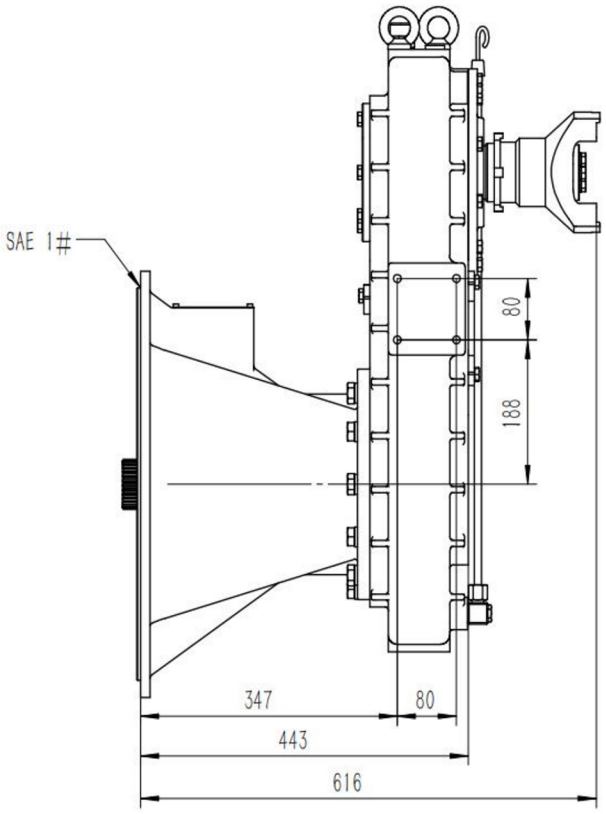
Rubiflex



DATASHEET	
Input Power	200 KW
Input Torque	750Nm
Output Power	150 KW
Output Torque	750 Nm
Max. Input Speed	2500 RPM
Ratio	1
Flang	Customized

Upbox—2203T

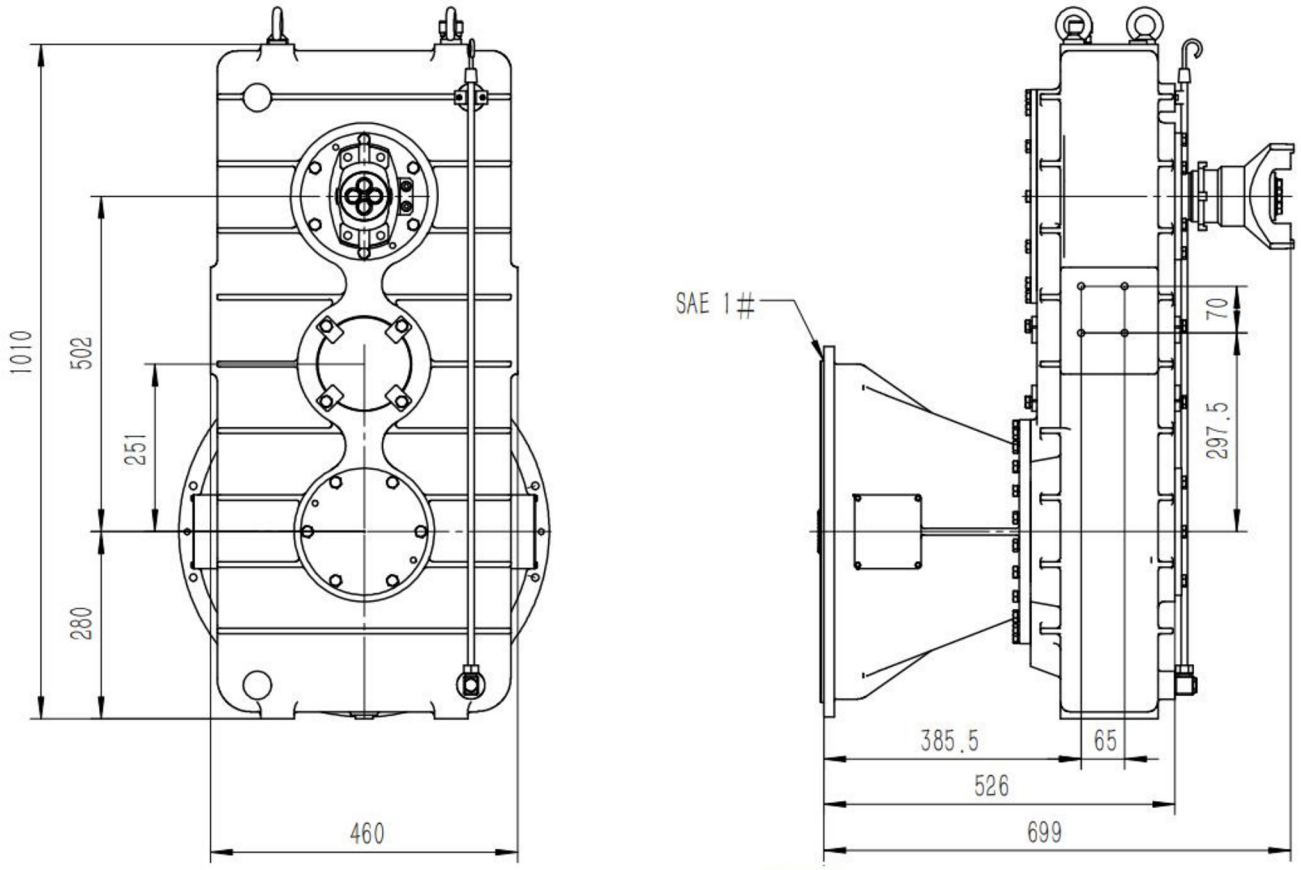




DATASHEET	
Input Power	280 KW
Input Torque	1471Nm
Output Power	200 KW
Output Torque	1000 Nm
Max. Input Speed	2500RPM
Ratio	1
Flang	Customized

Upbox—2251T

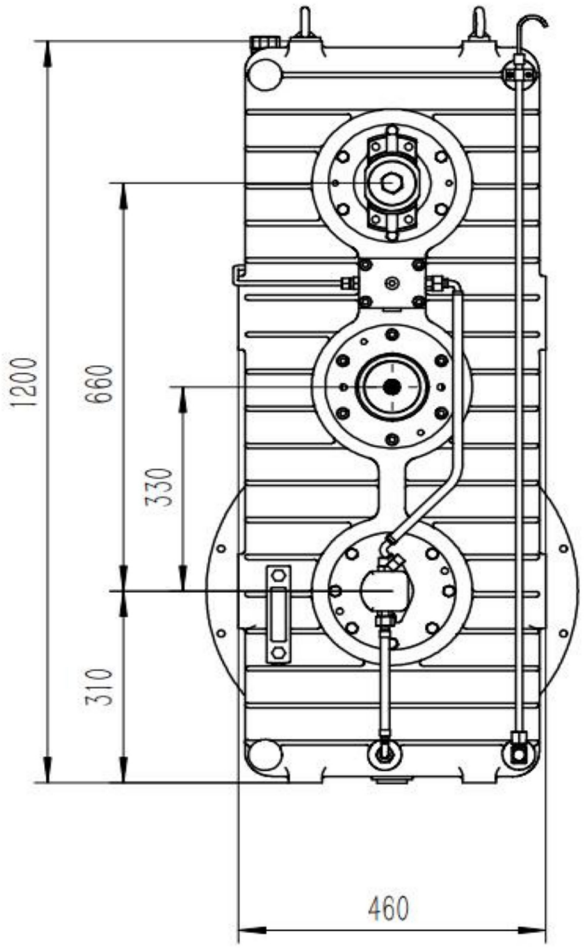
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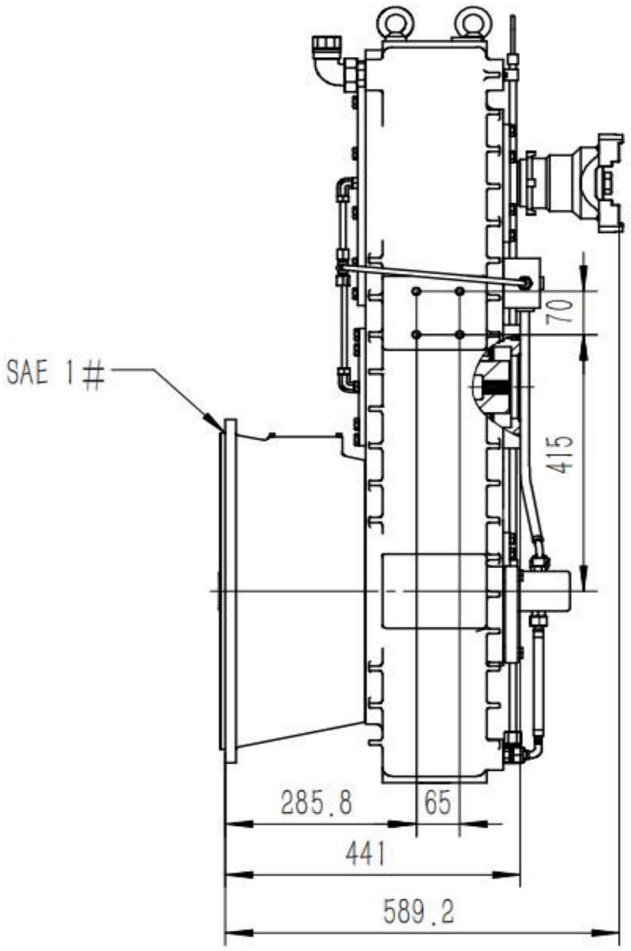


DATASHEET	
Input Power	360 KW
Input Torque	1900Nm
Output Power	250KW
Output Torque	1500Nm
Max. Input Speed	2500RPM
Ratio	1
Flang	Customized

Upbox—2330T

Rubiflex





DATASHEET	
Input Power	500 KW
Input Torque	2500Nm
Output Power	300 KW
Output Torque	1500 Nm
Max. Input Speed	2500RPM
Ratio	1
Flang	Customized

Lubricant Instructions

1.Lubricating oils shall meet the minimum requirements of DIN 51517. The following gear oils may also be used: viscosity-grade SAE 90 EP and SAE 85W-90 EP complying with DIN 51519, provided they satisfy API GL-4, GL-5 or MIL-L-2105 D specifications. Ambient operating temperature: -5°C to +35°C.

2.For the Rubflex gearbox, ensure the oil temperature does not exceed 105°C. If the temperature exceeds 105°C, cooling measures shall be implemented.

3.The fill quantity of lubricant is marked on the nameplate. However, the dipstick oil-level reading shall be the definitive reference. Upon initial filling, re-check the oil level 15-30minutes after start-up. If the oil level has dropped, top-up lubricant to the specified level.

4.Carry out the first oil change after 200 operating hours. Subsequent oil changes shall take place every 2000 operating hours, or within 12months at the latest.

5.For further details, please contact us or refer to the user manual.

Rubflex



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