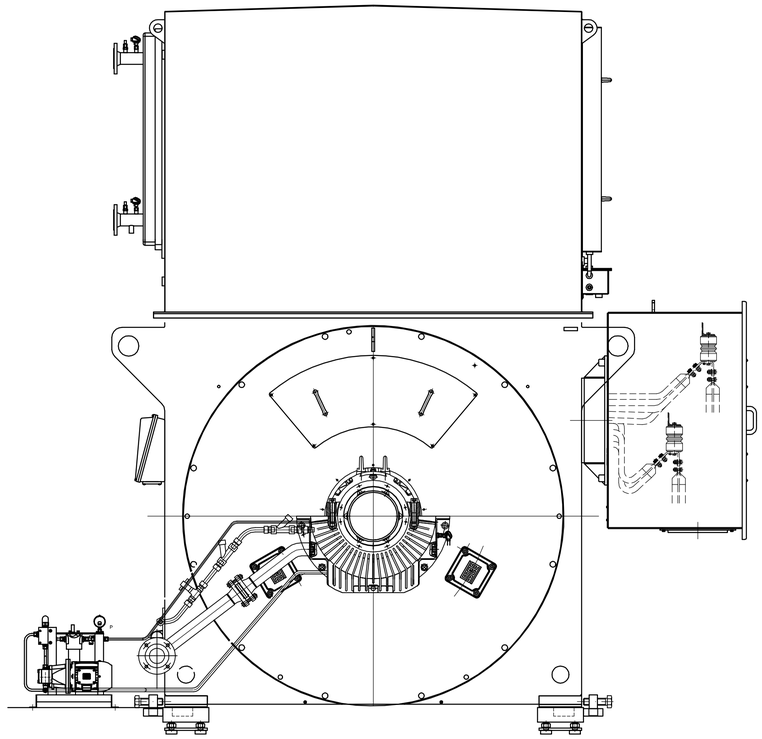
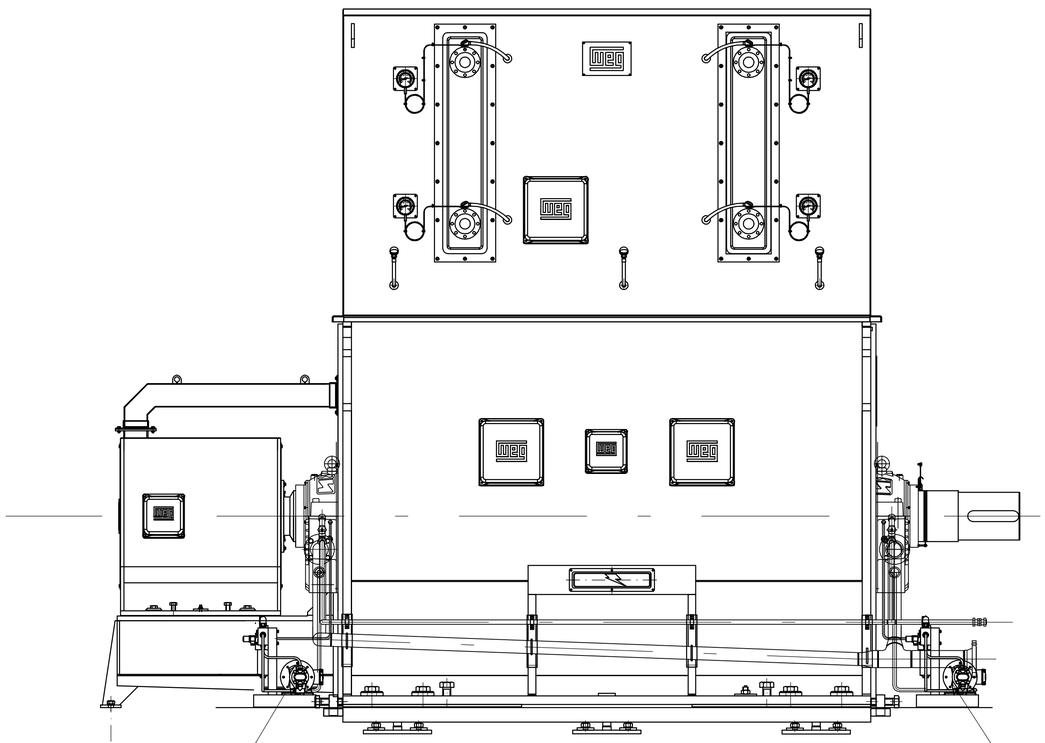


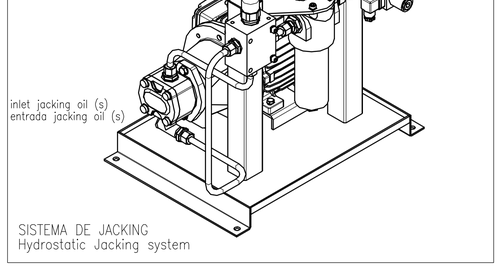


JACKING SYSTEM
FOR REAR BEARING
sistema de jacking cojinete trasero

JACKING SYSTEM
FOR FRONT BEARING
sistema de jacking cojinete delantero

Function description of hydrostatic jacking system:
Lubrication motor–pump works as an oil flooded pump that returns from the bearing oil reservoir (inlet s). Jacking's driving mechanism pumps the oil back to the bearing by jacking outlet (p).
Characteristics: Oil is filtrated to avoid impurities in the bearing. The pressure to lift the rotor is regulated through a limiting pressure valve that must be set in the comissioning phase.

Descriptivo de funcionamiento del Sistema de Jacking:
Conjunto motobomba para Jacking trabaja como una bomba ahogada por el aceite contenido en el reservorio del cojinete (entrada S).
El accionamiento del Jacking bombea el aceite de vuelta para el cojinete por la salida P del Jacking. Características: el aceite es filtrado para evitar que impurezas sean enviadas al cojinete. Una válvula limitadora de presión es regulada para la presión del sistema.



SISTEMA DE JACKING
Hydrostatic Jacking system

Hydrostatic Jacking System Information

The system must be started before the generator starting (speed = 0 rpm) and be stopped only after the generator speed be above 100 rpm.
When decelerating, the system must be started when the generator reaches 100 rpm and be stopped only after the generator be completely stopped (speed = 0 rpm).

Hydrostatic Jacking System Data

Hydrostatic lubricant pressure to start lifting:
- Front Bearing: 112 bar
- Rear Bearing: 120 bar

Hydrostatic lubricant pressure to keep the shaft lifted up:
- Front Bearing: 56 bar
- Rear Bearing: 60 bar

Required Oil Flow (each bearing): 3,0 l/min

- Limiting pressure valve shall be set to work at 200 bar

Electric motor specifications:
- Voltage: 125 Vcc
- Power: 2 HP (horse power)
- Poles: 4
- Frequency: 50 Hz
- Protection grade: IP55

Información de Hydrostatic Jacking System

Debe enchufar antes del arranque, (rotacion=0 rpm) y desenchufar solamente apos la máquina exceder la velocidad de 100rpm.
En la desaceleración de la máquina, este sistema tendrá que enchufar cuando la maquina alcanzar 100rpm, y desenchufar despues de la parada. (rotacion=0 rpm)

Datos de Hydrostatic Jacking System

Pressión para suspender el rotor:
- Descanso delantero: 112 bar
- Descanso trasero: 120 bar

Pressión para mantener el rotor suspenso:
- Front Bearing: 56 bar
- Rear Bearing: 60 bar

Flujo (por descanso): 3,0 l/min

- Válvula limitadora de presión deberá ser ajustada para operar en 200 bar

Datos de motor electrico:
- Tension de alimentación: 125 Vcc
- Potencia: 2 HP (horse power)
- Polos: 4
- Frecuencia: 50 Hz
- Grados de protecion: IP55

Protection: MG1–Part 1 IEC 60034–5 Dimension: MG1–Part 4 IEC 60072 Tolerance: MG1–Part 4 ISO 286 Key: MG1–Part 4 ISO R773		Weld.Const.: ISO 8015 Machining: ISO 2768 Cast: ISO 8062	Characteris.:(SM) MG1–Part 10 IEC 60034–1 Characteris.:(AC) MG1–Part 10 IEC 60034–1 Characteris.:(DC) MG1–Part 10 IEC 60034–1		Test:(SM) MG1–Part 12 IEC 60034–2/4 Test:(AC) MG1–Part 12 IEC 60034–2 Test:(DC) MG1–Part 12 IEC 60034–2		
MASSA BRUTA/GROSS WEIGHT	kg	MASSA LIQUIDA/NET WEIGHT	kg	ESCALA/SCALE	1:15		
500000331556		COR DATOS DE MOTOR ELECTRICO	THIAGOCC		STORTI	20.07.2010	03
500000298468		INC DATOS DE MOTOR ELECTRICO	THIAGOCC		SIMONET	04.05.2010	02
ECM	LOC	RESUMO DE MODIFICAÇÕES/SUMMARY OF MODIFICATIONS	EXEC	VERIF/CHECKED	LIBER/RELEASED	DATA/DATE	VER
EXEC THIAGOCC VERIF/CHECKED LIBER/RELEASED SIMONET DT LIBER/REL 16.02.2010		MONTAGEM TUBULAÇÃO JACKING COMASA S.A. WEN JARAGUÁ DO SUL			10000762747 000 | 03 MÁQUINAS SINCRONAS	FOL/SHEET 01 / 01	

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