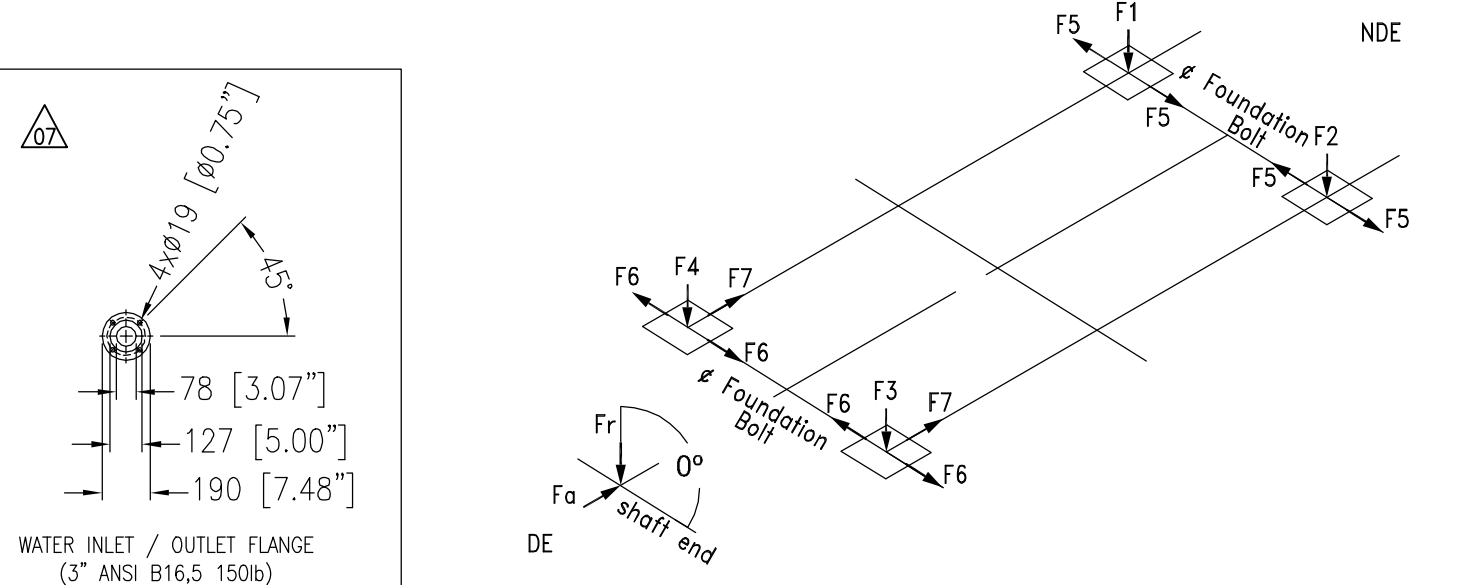
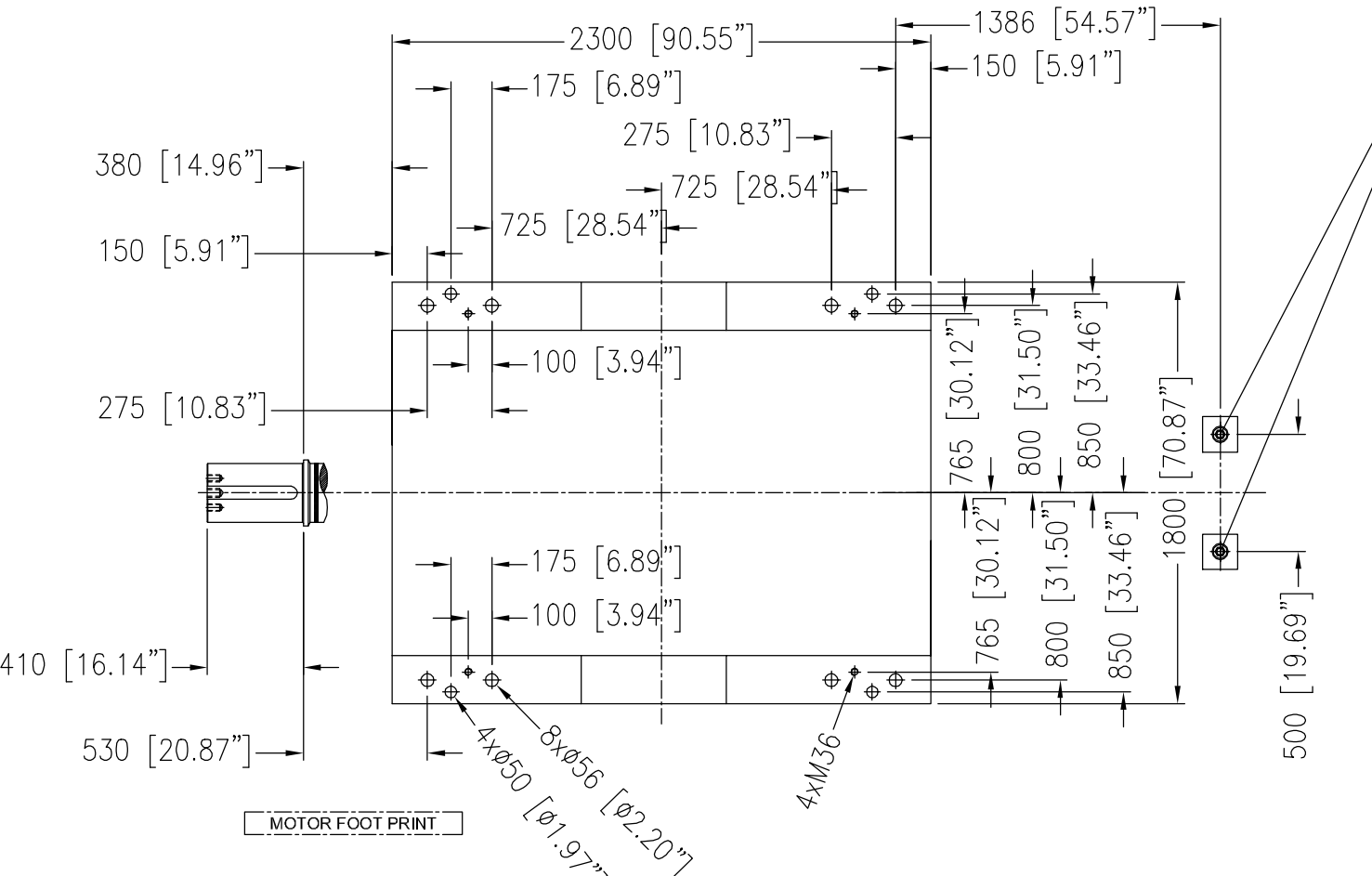
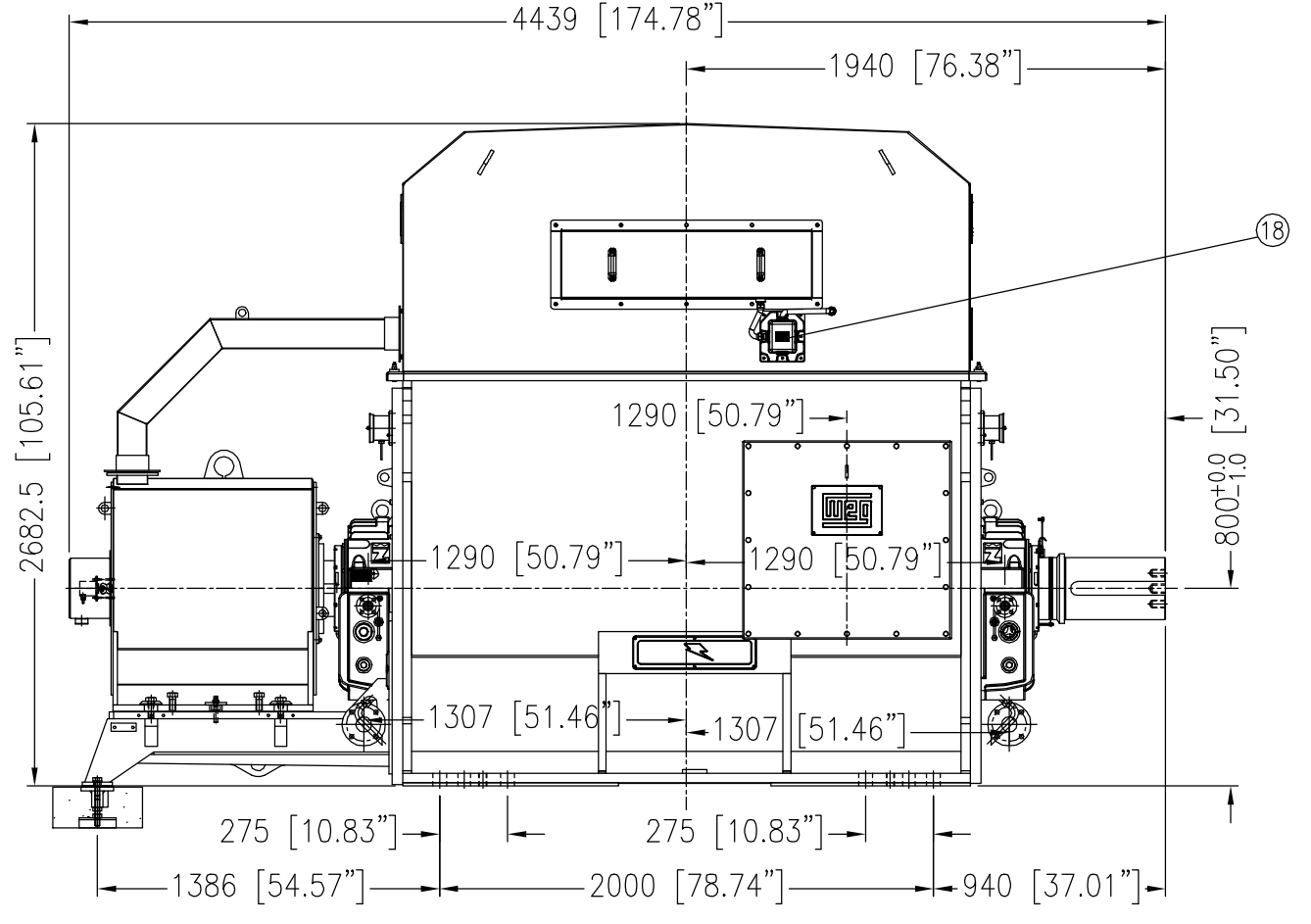
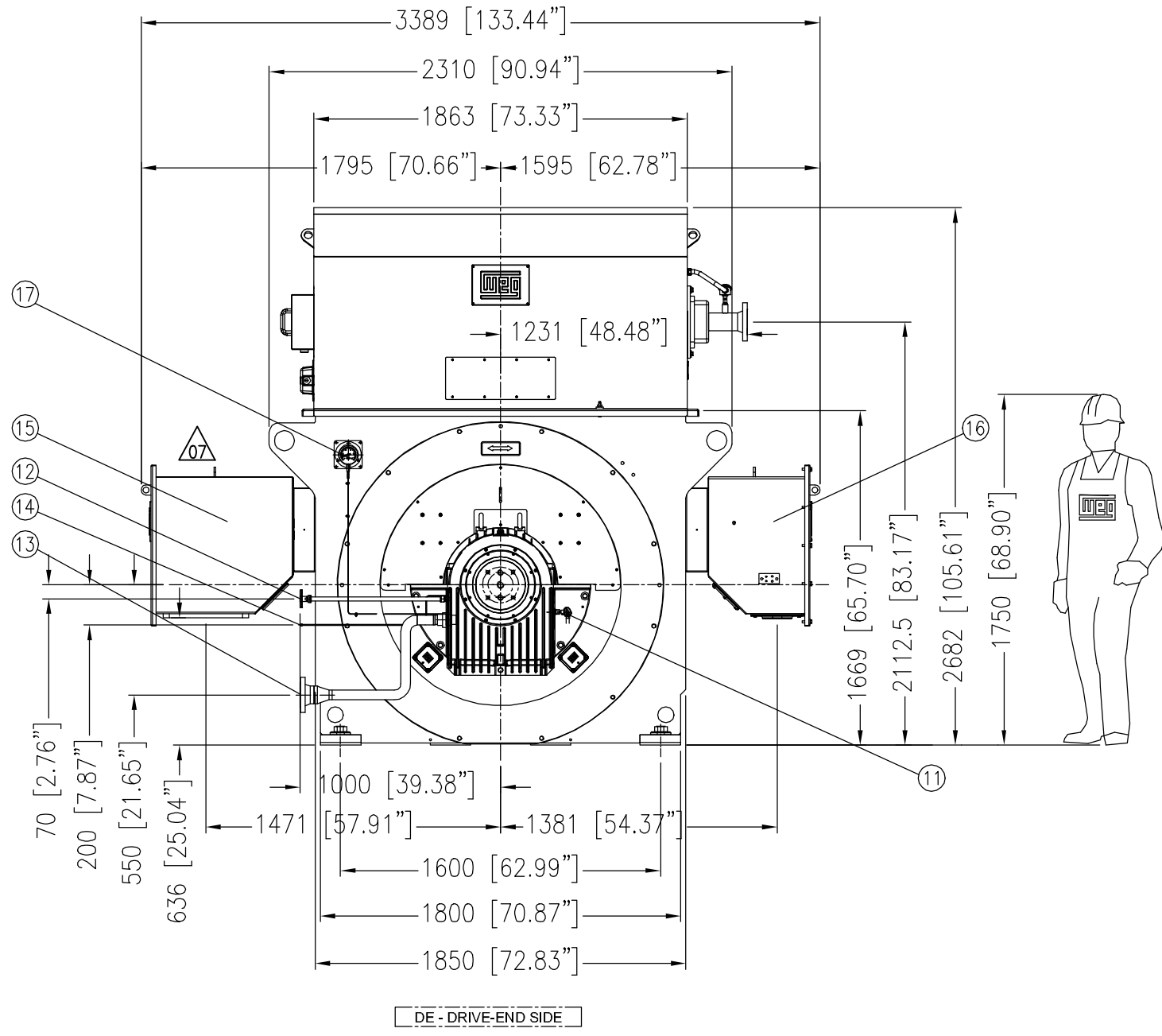
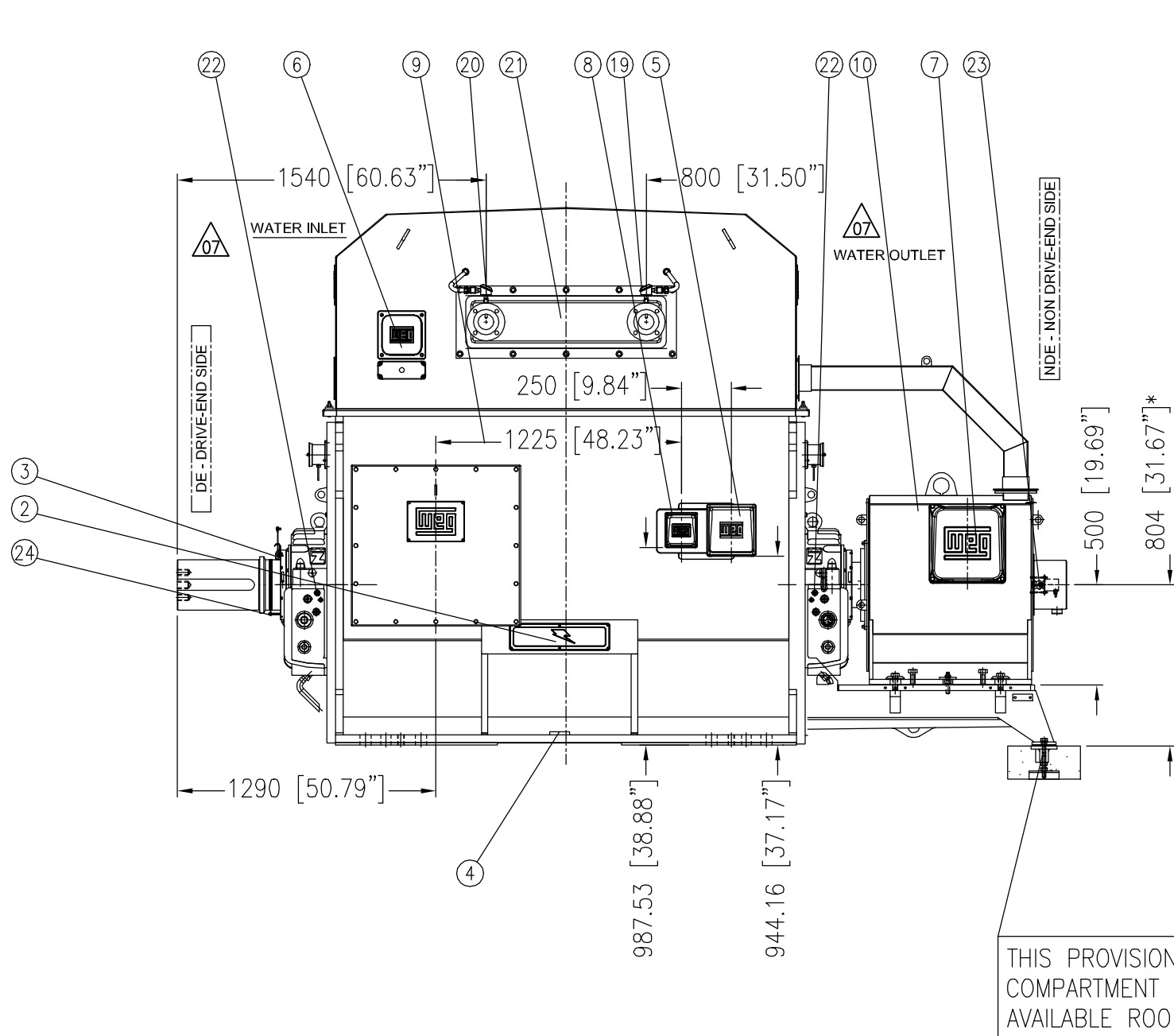
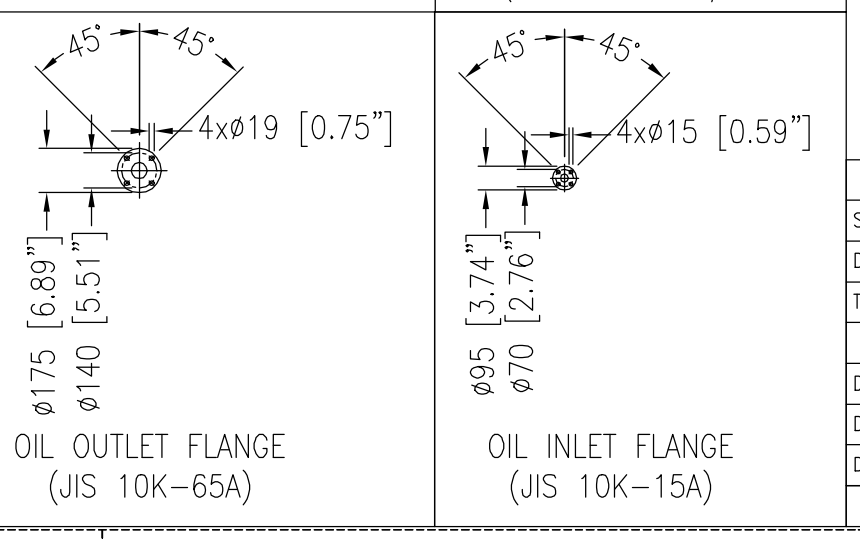
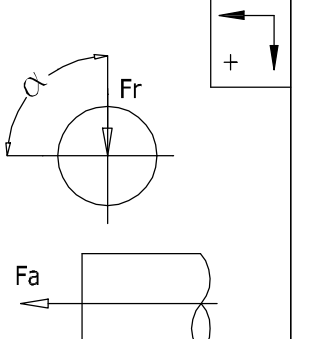


A
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C
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E
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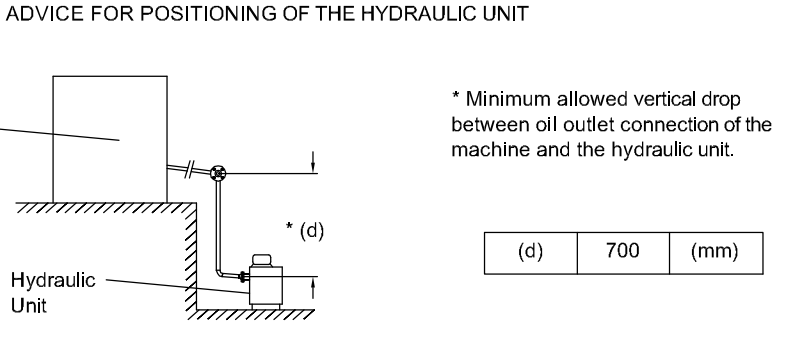
CONDITION OF THE SHAFT END					
	Rot.(rpm)	Duration (s)	Fr (kN)	Angle	+ Fa (kN) -
Start-up	0	20	-	90	- -
Nominal	850	Continuo	-	90	- -
Over speed	1377	120	-	90	- -



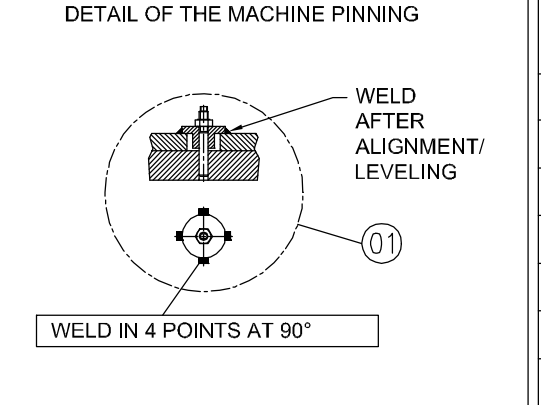
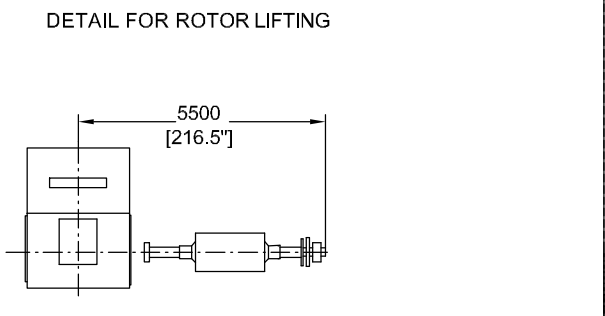
Foundation loads at rated load	F1 (kN)	F2 (kN)	F3 (kN)	F4 (kN)	F5 (kN)	F6 (kN)	F7 (kN)
Static forces	53.9	53.9	53.9	53.9	0.0	0.0	0.0
Dynamic forces at rated load	±14	±14	±14	±14			
Turbine load	0.0	0.0	0.0	0.0			
Foundation loads in case of fault							
Dynamic alternating forces at three phase short circuit	±68.8	±68.8	±68.8	±68.8	0.0	0.0	0.0
Dynamic alternating forces at phase to phase short circuit	±95	±95	±95	±95			
Dynamic alternating forces at synchronizing out-of-phase (120°)	±112.5	±112.5	±112.5	±112.5			

* F₀, F₁ F₂ F₃ F₄ INFORMED BY CUSTOMER

* Fa, Fr E & α INFORMED BY CUSTOMER



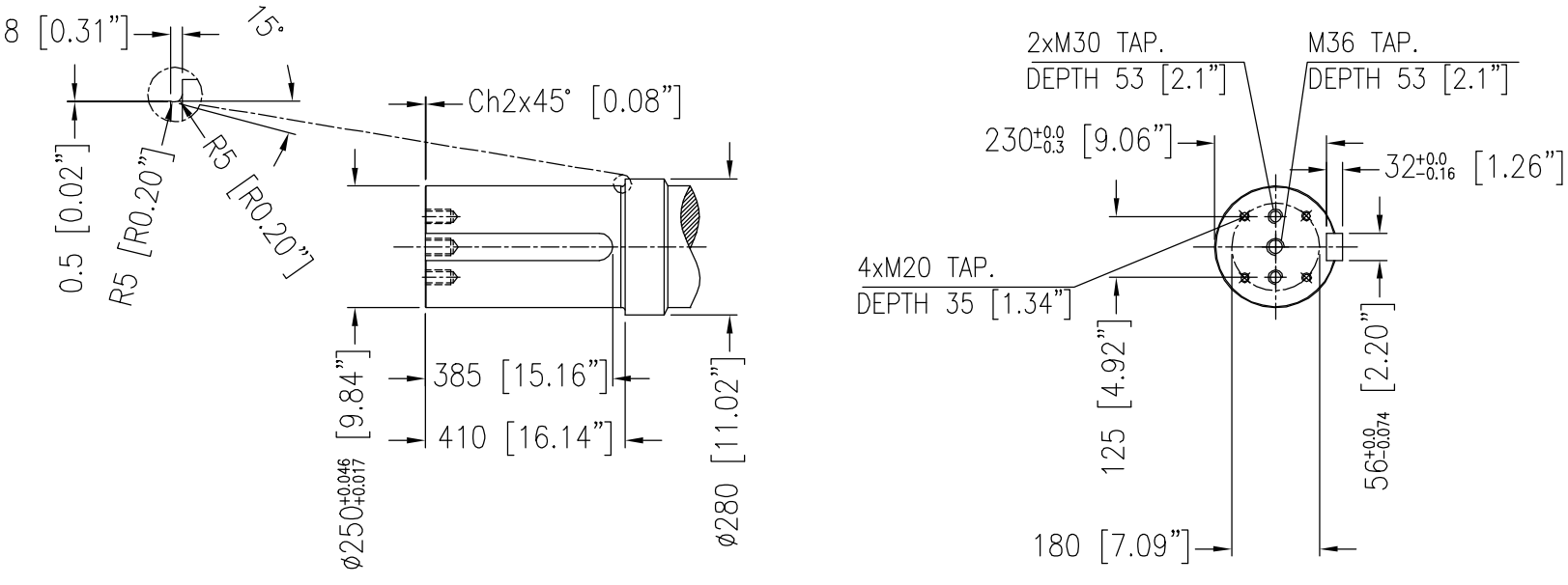
JACKING OIL SYSTEM DATA (NOT WEG SCOPE OF SUPPLY)					
Start condition			Shutdown condition		
The system must be turned on before start the machine and must be turned off only after the machine reach XXX rpm.			During deceleration of the machine, the system should be turned on when the rotation reach XXX rpm, and off only after a full stop.		
Pressure at starting	DE	65 (bar)	Pressure at shutdown	DE	40 (bar)
Flow at starting	NDE	65 (l/min)	Flow at shutdown	NDE	40 (bar)
	*	0.8 (l/min)		*	0.8 (l/min)



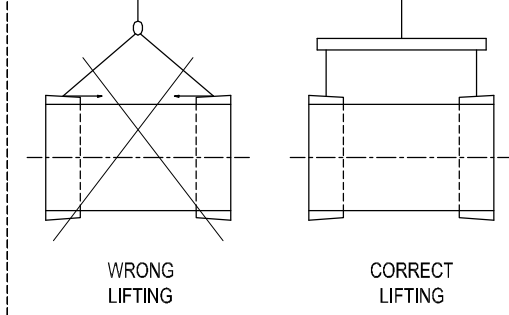
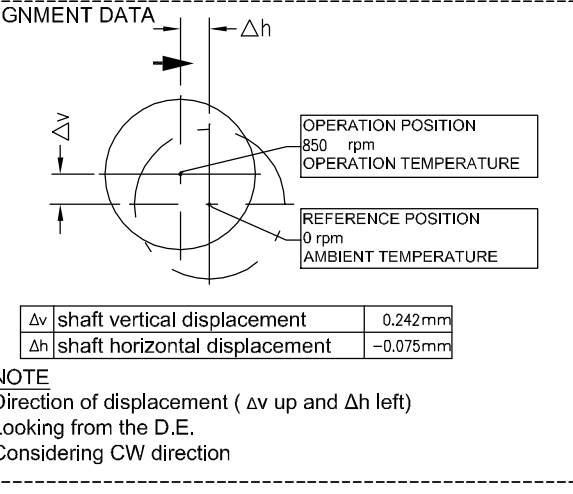
SLEEVE BEARING DATA	
Bearing DE ZMZLB 22-250	Oil flow: 5.6 l/min Oil quantity: 30 liters Losses: 2.4 kW Weight: 445 kg
Bearing NDE ZMZLQ 22-250	Oil flow: 5.5 l/min Oil quantity: 30 liters Losses: 2.4 kW Weight: 445 kg
Oil for bearing lubrication: ISO VG-68	
Oil inlet temperature: 40 °C	
Oil change interval: 20000 hours	
Nominal oil inlet pressure: 1 ±0.2 Bar	
Bearings with loose oil rings	
Both bearings are insulated	
Both bearings with jacking oil system installed	

NOTE	
After generator assembly and complete alignment and before startup, check the eccentricity of the exciter air gap and, if necessary, correct using adjusting screws and shims.	
ACTION	
Measure the air gap of the main exciter by removing the split cover and through the holes on the fan.	
CRITERIA	
The measured air gap shall not be less than 70% of nominal air gap. Minimum air gap: 0.91 mm (main exciter)	
Model: SEW128	F.D.: 26653/16
OV: 4105257/20	
Output: 6000 kW	
Rated Voltage: 3300 V	
Poles: 8	
Frequency: 56.67 Hz	
Construction type: F1	
Speed: 700 rpm to 850 rpm	
Overspeed: 1377 rpm	
Duty cycle: S1	
Power factor: 1	
Protection degree: IP56	
Insulation class: F	
Temperature rise: class B	
Direction of rotation: Both	
Axial endplay: 12mm (6mm each side)	
Both bearings are insulated	
Rotor Inertia (J): 15300 lb.ft²	
Approx. Rotor weight: 15430 lbs	
Approx. Stator core and frame weight: 19160 lbs	
Approx. complete motor weight: 45200 lbs	

DETAIL OF SHAFT DRIVE END



HEAT EXCHANGER DATA AIR-WATER (INDIVIDUAL DESCRIPTION)	
- Thermal capacity: 160 kW	
- Water flow: 459 l/min	
- Maximum temperature water inlet: 35 °C	
- Water temperature rise: 5 °C	
- Maximum pressure water inlet: 5.8 bar	
- Maximum water head loss: 0.7 bar	
- Flange: 3" ANSI B16.5 - 150lb	
- Water type: untreated industrial water	
- Radiator weight: 350kg (empty)	
- Heat exchanger weight: 1100kg (with radiator)	
- Maximum inlet air temperature: 45 °C	



Representation of the machine is illustrative only. Some features may not be represented. For installation or maintenance, consult operation manual.

CENTER OF MASS POSITION		Mounting tolerance		GROSS WEIGHT		NET WEIGHT		SCALE	
X: 2mm Y: 60mm Z: 2060mm		Dimensions range (D)		500001281907		500001276625		1:30	
Z		Tolerance		LOC		SUMMARY OF MODIFICATIONS		DATE	
Shaft end		0 < D ≤ 15.7 ± 0.4		EXECUTED		CHECKED		VER	
Y		15.7 < D ≤ 39.4 ± 0.8		LOC		RELEASED			
X		39.4 < D ≤ 78.8 ± 1.2		CHECKED		RELEASED			
		78.8 < D ≤ 157.6 ± 1.4		RELEASED		RELEASED			
		157.6 < D ≤ 315.2 ± 1.6		RELEASED		RELEASED			
		Unit in:		REL DT		11.05.2016		1 / 1	