

WP 1100 Well service Pump Unit

for Hazardous area Zone 2

This unit are designed specifically for applications in 3G areas (Zone 2) and is CE, NORSOK Z-015 and ATEX compliant. The unit can operate in ambient temperatures from -20° C to +35° C. Unit sound pressure level (SPL) is equal or below 83 dBA@1m according NORSOK Z-015 requirements.

Features:

- Field proven technology.
- Standardized components.
- Next generation hardware/software.
- Designs based on operational experience.
- Operation without exhaust flame arresters.
- Easy access for maintenance, large service doors.

About Enerion:

Enerion is a leading provider of products and services to the energy sector. We have extensive experience in engineering, manufacturing and service of equipment and are committed to deliver flexible and future oriented solutions to our customers.



Technical data:

Engine	: Caterpillar C32, 820bkW@2100RPM, EPA and IMO Tier II
Transmission	: Allison 9800 series.
Triplex fluid end	: 4" plungers. (Options available)
Triplex power end	: Gardner Denver 2250
Safety system	: Electronic
Control system	: Electronic with HMI, remote operator panel with 35m cable
Diesel capacity	: 8-10 hours
Sound pressure level (SPL)	: 83 dBA
Maximum working pressure	: 1182 BAR@346 LPM (in lock-up, 4" Fluid End).
Maximum flow	: 1601 LPM@255 BAR (in lock-up, 4" Fluid End).
Fire extinguisher system	: Yes. NORSOK and FSS code compliant.

Interface:

Air	: Rig pressure 5 – 8 BAR, 1" Chicago claw coupling.
Electric Power	: Multi voltage, 110V/230V.
Suction	: 1 x 4" fig. 206 WECO.
Discharge	: 1 x 2" fig. 1502 WECO.

Approvals:

CE marked	: Yes
ATEX	:  II 3G IIA T3
Lifting	: DNV-ST-E271 & EN 12079
Other compliances	: NORSOK Z-015, SOLAS

Enerion AS

Plogfabrikkvegen 20
N-4353 Klepp Stasjon
Norway

Enerion Ltd

Bourtie Industrial Park, Inverurie,
Aberdeenshire, AB51 0HL
UK

24/7: +47 51 31 43 00

E-mail: post@enerion.com

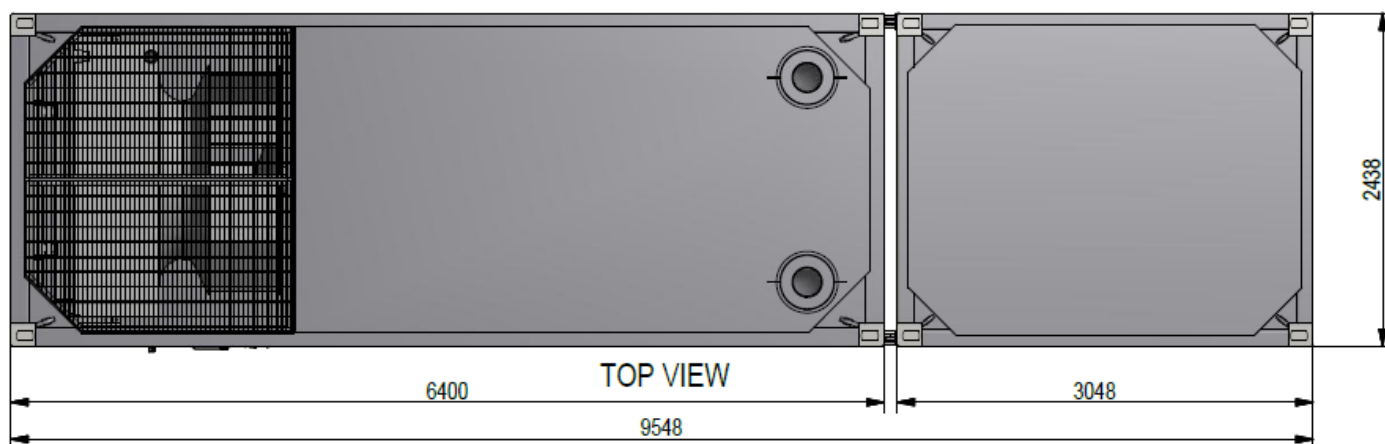
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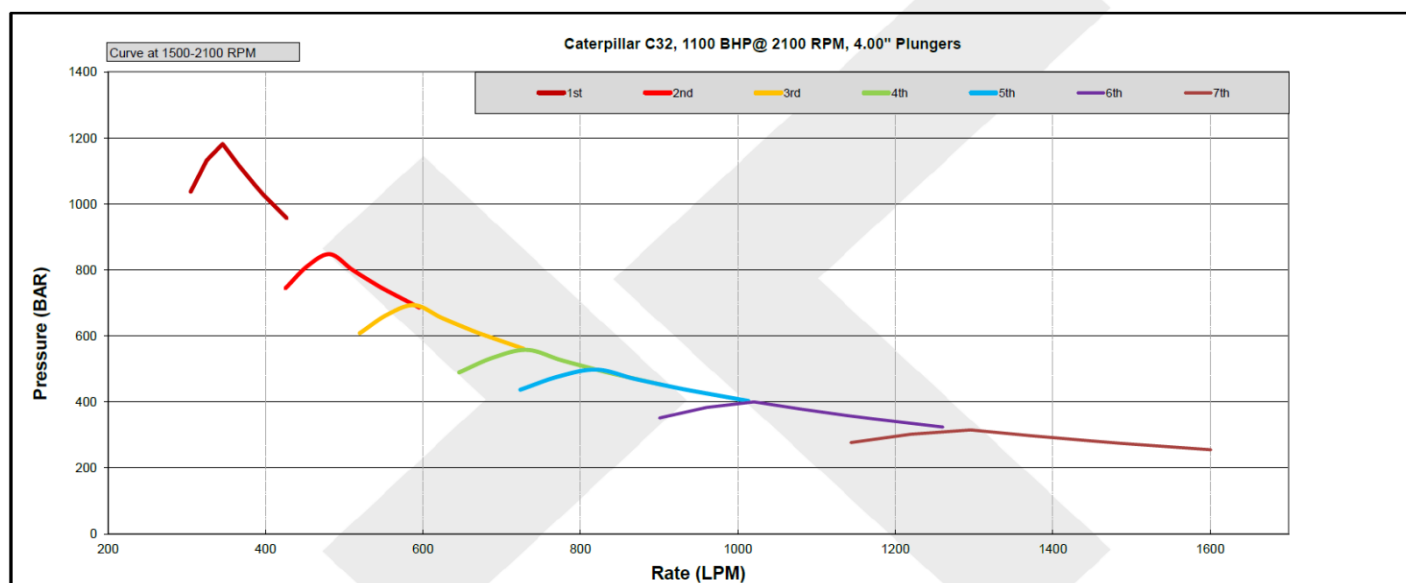
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Weight & Dimensions ENGINE container:		Weight & Dimensions PUMP container:	
Length	: 6400 mm	Length	: 3048 mm
Width	: 2438 mm	Width	: 2438 mm
Height	: 3050 mm	Height	: 3050 mm
Max Gross Weight	: 19 500 kg (WET)	Max Gross Weight	: 9 900 kg (WET)



Pump curve 4" Plunger size (other sizes available):

Engine RPM	BHP	HHP	7th		6th		5th		4th		3rd		2nd		1st	
			Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)	Rate (LPM)	Pressure (BAR)
2100	1100	913	1601	255	1261	324	1013	403	905	452	728	561	595	686	427	957
1950	1100	913	1487	275	1171	349	941	434	840	486	676	605	553	739	396	1030
1900	1100	913	1449	282	1141	358	917	446	818	499	658	620	538	759	386	1058
1800	1100	913	1372	298	1081	378	869	470	775	527	624	655	510	801	366	1116
1700	1100	913	1296	315	1021	400	820	498	732	558	589	693	482	848	346	1182
1600	992	823	1220	302	960	384	772	477	689	535	554	664	453	812	325	1133
1500	852	707	1144	277	900	351	724	437	646	490	520	609	425	744	305	1038
1400	716	594	1067	249	840	316	676	394	603	441	485	548	397	670	285	934
1300	624	518	991	234	780	297	627	369	560	414	450	514	368	629	264	877
1200	624	518	915	253	720	322	579	400	517	448	416	557	340	681	244	950



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Plogfabrikkvegen 20
N-4353 Klepp Stasjon
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Enerion Ltd

Bourtie Industrial Park, Inverurie,
Aberdeenshire, AB51 0HL
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