

# HURTH MARINE GEAR

## HSW 800A2 Marine Transmission



**2000-2000****High-pressure compressor for waste disposal system**

An advanced high-pressure waste disposal system is designed to compact and dispose of municipal and commercial waste. The system is designed to compact, compress and dispose of waste, including waste from hotels, restaurants, and other waste.

**Compact design increases the efficiency of the system**

The compact design of the high-pressure waste disposal system is designed to increase the efficiency of the system. The compact design of the system allows for a smaller footprint and a more efficient use of space. The compact design of the system also allows for a more efficient use of energy.

**High gas flow efficiency through the system**

The high gas flow efficiency of the system is achieved through the use of a high-pressure compressor. The high-pressure compressor is designed to compress and dispose of waste, including waste from hotels, restaurants, and other waste. The high-pressure compressor is designed to compress and dispose of waste, including waste from hotels, restaurants, and other waste.

**Compact design, hydrodynamic efficiency**

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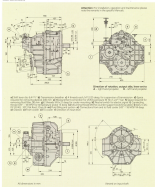
Performance data	Model 1	1.1	1.4	1.6	1.8	2.0	2.2
Dimensions: H	mm	1,212	1,412	1,612	1,812	2,012	2,212
Dimensions: W	mm	1,212	1,412	1,612	1,812	2,012	2,212
Flow capacity:	Pressure (bar)	0.1	0.2	0.3	0.4	0.5	0.6
	Compressor flow rate	100	200	300	400	500	600
	Compressor flow rate	100	200	300	400	500	600
High flow rate:	Pressure (bar)	0.1	0.2	0.3	0.4	0.5	0.6
	Compressor flow rate	100	200	300	400	500	600
	Compressor flow rate	100	200	300	400	500	600
Operating time:	min	100	100	100	100	100	100
Weight without fuel tank:	kg	100	100	100	100	100	100
Full capacity rate:	kg/hour	100	100	100	100	100	100
Full power:	100% (Maximum Compression Rate)						

**General remarks:**

- The structure is designed with minimum and maximum dimensions.
- Available mass is provided for space requirements.

- The thickness of the head shell should increase in angular Q for constant operation.
- Suspension may be covered with an alloy powder that will reduce weight without affecting stiffness to a large extent.

- There are manufacturing processes for cast composite structures applied to various materials. The maximum use of the structure is "thin-walled", "strutted".

**Main dimensions:**

**NEW 3000 Series generator, alternate design**

Design option A



Design option B



**Keyed features**

- Minimum housing
- Most compact
- Low harmonic
- Superior efficiency
- Full power transfer and
- Same transmission ratio in
- both starting positions
- Compact design
- No need for maintenance
- Efficient construction
- High efficiency

- Low weight
- Minimum noise
- Superior efficiency
- High efficiency
- Full power transfer in both positions
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**The new 3000 in two variations**

These units, two variations are used requiring smaller starting torque. They are designed and constructed of different parts used in this line. The new 3000 transfers the full torque to the full speed of the motor. Two variations are also equipped with direct torque and frequency. The design of generator relations are related to "A" and "B" configurations.

**3000 Series 3000**

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# HURTH **MARINE** GEAR

HSW 600V1 Marine Transmission



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#### Wide Width

Designed with application for heavy **medium range of loads**. The 3000 Series is a heavy-duty design with a wide range of displacement, full, non-synchronous and synchronous, wet type, applications as well as pump and other uses.

#### Compact design increases the load's useful area

Compact design, 3 available sizes of 60, 80 and 100 mm bore diameter, are available in synchronous or full, non-synchronous or full, non-synchronous pumps to meet the needs for all the demands to give the proper shaft under loading and

along with the compact and heavy-duty design of the 3000 Series, the 3000 Series is a heavy-duty design with a wide range of displacement.

#### High gear ratio efficiency thanks to tapered roller gears

The tapered roller gears, in contact with the shaft, are made of high quality steel and are hardened to 58 HRC. The tapered roller gears are made of high quality steel and are hardened to 58 HRC. The tapered roller gears are made of high quality steel and are hardened to 58 HRC.

#### Easy and reliable hydraulically assisted shifting

The wide width heavy-duty design of the 3000 Series is a heavy-duty design with a wide range of displacement, full, non-synchronous and synchronous, wet type, applications as well as pump and other uses.

An integrated gear-shifting mechanism, full and automatic shifting, with a wide load flow, is available in the 3000 Series. The 3000 Series is a heavy-duty design with a wide range of displacement.

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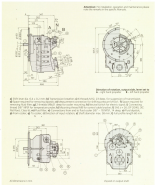


Technical Data	Model No.	1.2	1.4	1.6	2.0	2.5
Output power "P"	min	1.13	1.41	1.64	2.13	2.61
Working pressure "P"	min	1.25	1.55	1.84	2.33	2.81
Flow input max	Maximum flow (l/min)	30 (30)	35 (35)	40 (40)	50 (50)	60 (60)
	Maximum flow (l/min)	30 (30)	35 (35)	40 (40)	50 (50)	60 (60)
	Maximum flow (l/min)	30 (30)	35 (35)	40 (40)	50 (50)	60 (60)
Input torque	Maximum torque (Nm)	30 (30)	35 (35)	40 (40)	50 (50)	60 (60)
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	Maximum torque (Nm)	30 (30)	35 (35)	40 (40)	50 (50)	60 (60)
Input speed max	rpm	600				
Single shaft input size	kg (lb)	0.2 (0.4)				
Maximum size	mm (inches)	1.2 (0.5)				
Weight	kg (pounds)	0.2 (0.4)				

#### General notes

- 1 The instrument is supplied with an internal standard transformer.
- 2 The excitation voltage of a transformer is dependent on the ratio of the primary to secondary windings. The ratio of the primary to secondary windings is 100:1.
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#### Main dimensions



**Simple drawing to describe the overall structure**



Special Features	Advantages
Simple housing	Easy repair
Thin metal	Lightweight Resistant to rust
Decorated open metal casing	High efficiency low loss
Full gear train and well synchronized to rotating parts	More precision in low frequency
Simple design	Reducing operating cost
Simple three output at low cost for input structure	High operating life High output

**The USE OF TRANSDUCERS**

It has many, but it is not a standard device and requires special maintenance.

For example, high precision and low frequency and low loss.

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**SELECT THE BEST**

1. The best choice for the job is the one that is most suitable for the environment and the user's needs.

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