STANDARD MACHINERY

PRODUCT DATASHEET

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Pentair Hydromatic S8F4000M4-4 Submersible Sewage Pump 40 HP – 8 Inch, 460 V, Made in USA, Imported, Refurbished & Tested

PENTAIR HYDROMATIC

SKU
SM-SUB-HYD-S8F-40HP

CATEGORY
Industrial Pumps

● In Stock

PRICE (USD)

$2,299.00 ~~$2,999.00~~

* Prices are exclusive of GST and subject to change without notice.

Chat on WhatsApp

Use WhatsApp for pricing and availability with the product details pre-filled.

- ✓ Genuine Pentair Hydromatic S8F solids-handling sewage pump, assembled in USA
- ✓ 40 HP (approx. 30 kW) motor, 460 V, 3 phase, 60 Hz
- ✓ 1750 RPM with 11.38 inch impeller
- ✓ Large 8 inch flanged discharge on a heavy cast iron volute
- ✓ Motor thermostat and seal leak probe for protection
- ✓ Insulation class H with 1.2 service factor
- ✓ Manufactured July 2015
- ✓ Imported, refurbished and tested before dispatch

Technical Specifications

Manufacturer	Pentair Hydromatic
SKU	SM-SUB-HYD-S8F-40HP
Model	S8F4000M4-4
Product Type	Submersible Sewage Pump
Origin	Assembled in USA

Condition	Imported, Refurbished & Tested
Motor Power	40 HP
Motor Power	30 kW
Voltage	460 V
Phase	3 Phase
Frequency	60 Hz
Full Load Current	52.5 A
Service Factor Current	64.1 A
Service Factor	1.2
Insulation Class	H
NEMA Design	B
Speed (60 Hz)	1750 RPM
Impeller Diameter	11.38 inch
Discharge Size	8 inch
Max Fluid Temperature	40 °C
Sensors	Thermostat + Seal Leak Probe

Product Description

Pentair Hydromatic S8F4000M4-4 Submersible Sewage Pump – 40 HP, 8 Inch

This is an **imported Pentair Hydromatic submersible sewage pump, model S8F4000M4-4**, from the Hydromatic S8F solids-handling series. It has a **40 HP (approx. 30 kW)** motor rated **460 V, 3 phase, 60 Hz, 1750 RPM**, and was **assembled in the USA**. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition.

Hydromatic solids-handling pumps are used in sewage lift stations and wastewater transfer, where the pump must move raw sewage containing solids. This unit has a heavy cast iron volute with a large 8 inch flanged discharge, a seal leak probe and a motor thermostat for protection.

Key Specifications

- **Brand / model:** Pentair Hydromatic S8F4000M4-4
- **Type:** Submersible sewage / solids-handling pump
- **Origin:** Assembled in USA
- **Motor power:** 40 HP (approx. 30 kW)
- **Supply:** 460 V, 3 phase, 60 Hz
- **Speed:** 1750 RPM (at 60 Hz)
- **Full load current:** 52.5 A; service factor current 64.1 A
- **Service factor:** 1.2
- **Insulation class:** H; NEMA design B

- **Impeller diameter:** 11.38 inch (approx. 289 mm)
- **Discharge:** 8 inch flanged
- **Protection:** Motor thermostat and seal leak probe
- **Maximum fluid temperature:** 40 °C
- **Manufacture date:** July 2015 (nameplate code 0715)
- **Condition:** Imported, Refurbished & Tested

Applications

- Municipal sewage lift and pumping stations
- Industrial wastewater and effluent transfer
- Sewage treatment plant inlet pumping
- Storm water and drainage sumps
- Large building and township sewage pits
- Sludge-free raw wastewater transfer

Industries Served

- Municipal corporations and water boards
- Sewage and effluent treatment plants
- Townships, hospitals and large buildings
- Food, textile and process industries
- Infrastructure and drainage contractors
- Ports and industrial estates

Why Buy from Standard Machinery

- **Genuine Pentair Hydromatic pump:** Original nameplate, assembled in USA
- **Relatively recent unit:** Nameplate date July 2015
- **Imported industrial equipment:** Sourced from the Alang Ship Breaking Yard and refurbished in Bhavnagar, Gujarat
- **Tested before dispatch:** Each pump is checked and run before it leaves our facility
- **Experience since 2008:** Supplying pumps, motors, winches and electrical panels to industrial buyers
- **Pan-India and export supply:** Dispatch across India and to buyers in Africa, the Middle East and Southeast Asia

Voltage & Power Note

This pump is rated 460 V, 60 Hz. It is a direct match for 460 V or 440 V, 60 Hz supplies, used in the USA, on ships and in several export markets.

On an Indian **415 V, 50 Hz** supply:

- Speed drops about 17%, to roughly 1460 RPM
- By the pump affinity laws, head drops to about 69% and flow to about 83% of the 60 Hz values
- 415 V at 50 Hz gives the motor slightly higher magnetising flux than its rating, so running current and temperature should be checked on test

For full rated performance, the pump can be run through a **VFD set to 60 Hz output**. Use a soft starter or suitable reduced-voltage starter for a 40 HP motor. The nameplate states that the **motor thermostat must be connected to a certified temperature controller**, and the seal leak probe should be wired to a seal-fail relay in the control panel.

Safety Note

- This refurbished unit is **not offered as explosion-proof**; any use in hazardous locations needs a suitably certified pump
- Maximum fluid temperature is 40 °C; **not for oil, fuel, solvents or flammable liquids**
- The nameplate states the pump is for indoor use and has not been investigated for swimming pool or marine areas
- Lift the pump only by its lifting points using rated lifting gear, never by the power cable
- Installation and service should be done by qualified persons, with the earth conductor connected

Maintenance Tips

- Check the seal leak probe circuit regularly; a seal-fail alarm means the seals need attention
- Test the motor thermostat circuit during routine checks
- Inspect the impeller and volute for wear or clogging
- Check motor insulation resistance before installation
- Inspect the power cable and cable entry for damage
- Clear rags and debris from the sump to reduce clogging

Frequently Asked Questions

What are the ratings of this Hydromatic pump?

The nameplate shows 40 HP, 460 V, 3 phase, 60 Hz, 1750 RPM, 52.5 A full load current, service factor 1.2 and insulation class H.

What is the discharge size?

The pump has an 8 inch flanged discharge, matching the S8F series designation.

Will it work on Indian 50 Hz supply?

It will run about 17% slower, with lower head and flow. For full performance, use a VFD set to 60 Hz output. Running current should be checked on test.

Is this pump explosion-proof?

No. This refurbished unit is not offered as explosion-proof and should not be used in hazardous locations.

Where is it made?

The nameplate states it was assembled in the USA, with a manufacture date of July 2015.

Do you export?

Yes. Standard Machinery supplies across India and exports to Africa, the Middle East and Southeast Asia. Contact us for export packing and shipping details.

Need a heavy-duty sewage pump for a lift station or treatment plant? Contact Standard Machinery, Bhavnagar, Gujarat, at +91 88 6666 9293 / +91 73837 39400 or info@standardmachinery.store for price, photos and availability.

Compatibility

- Power supply: 460 V, 3 phase, 60 Hz (direct match)
- Indian 415 V, 50 Hz: runs about 17% slower; VFD at 60 Hz output recommended
- Starter: Soft starter, reduced-voltage starter or VFD rated for 40 HP
- Protection: Overload, phase-failure and earth protection; thermostat to a certified temperature controller; seal leak probe to a seal-fail relay
- Discharge: 8 inch flange; use a matching pipe or duckfoot/guide-rail fitting
- Liquid: Raw sewage and wastewater, up to 40 °C
- Not suitable for: Oil, fuel, solvents, flammable liquids or hazardous locations

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