

Responding to Various Needs by Advanced Technology

# KOSHIN

# AGRO - MATE

PGH-50

**Only one pump can do all.  
Agricultural chemical, irrigation  
and even sea-water**



PGH-50GX



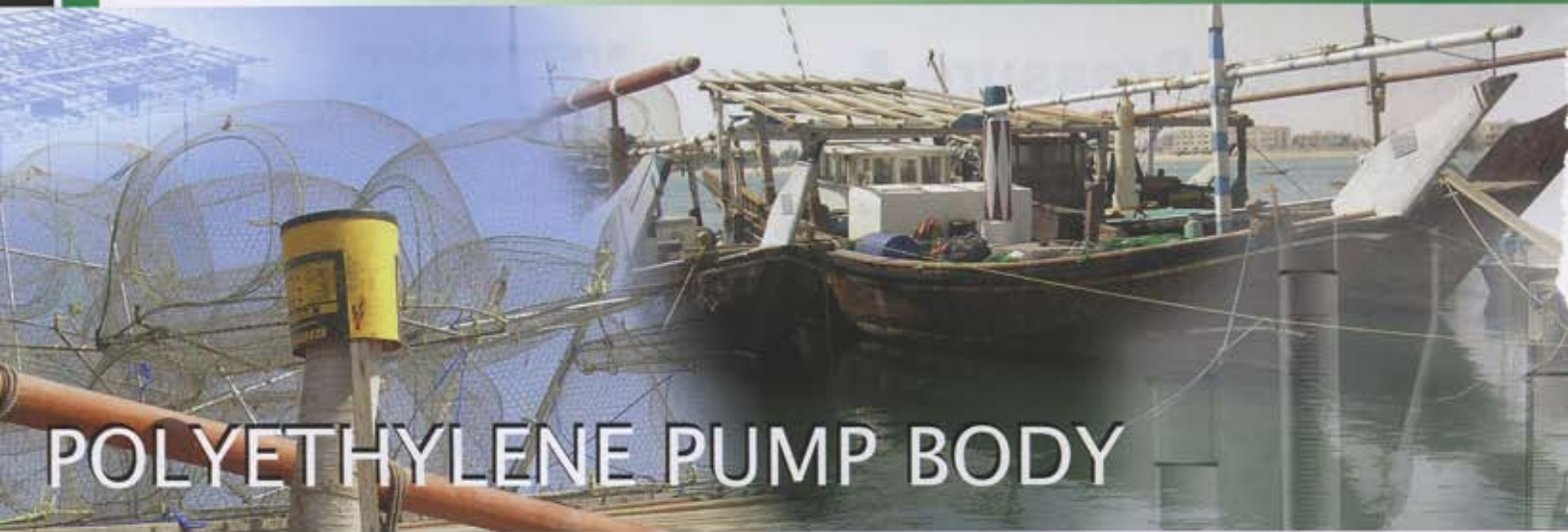
ORIENTAL KOSHIN

# KOSHIN LTD.



ISO 9001 認証取得





# POLYETHYLENE PUMP BODY

## For Seawater, Chemicals

- Superior material used.
  - PET (Polyethylene Terephthalate) for pump casing, impeller and volute casing.
  - EPDM and Carbon Ceramic for mechanical seal.
  - SUS for all bolts and washers.
- Powered by strong and durable engine.



PGH-50



PGM-50

### ■ Specifications

	Model	PGH-50	PGM-50
PUMP	Connection Dia	50 mm (2")	
	Connection Thread	Outer Pipe Thread	
	Total Head	26 m (85 ft)	21 m (68 ft)
	Max. Suction Head	8 m (26 ft)	
	Delivery Volume	560 L/min (148 USG/min)	540 L/min (142 USG/min)
	Material for Mechanical Seal	Ceramic Carbon	
	Max. Pressure	0.26 MPa	0.21 MPa
	Type	Forced Air Cooling 4 Stroke Gasoline Engine	
	Model	Honda GX120	Mitsubishi GM132
	Exhaust Volume	118 cc	126 cc
ENGINE	Rated Output	2.1 kW (2.9 PS) / 3600 rpm	2.1 kW (2.8 PS) / 3600 rpm
	Max. Output	2.6 kW (3.5 PS) / 3600 rpm	2.9 kW (4.0 PS)
	Fuel	Automotive Unleaded Gasoline	
	Fuel Tank Capacity	2.5 L	
	Continuous Operating Time	Approx. 2 hrs	Approx. 2.5 hrs
	Starting Method	Recoil Starter	
	Standard Accessories	2 Nipples, 1 Engine Tool Set	
	Gross Weight	22 kg	25 kg
	Dimensions LxWxH (mm)	520 x 428 x 448	511 x 407 x 439
Packing Unit	1		

### ■ Performance Curve

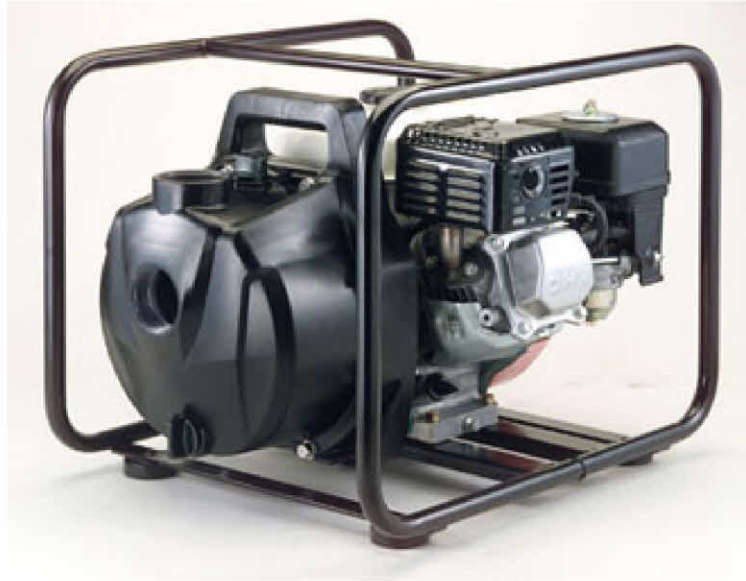




## PGH-50DHES

PUMP	PET (Polyethylene Terephthalate)
Connection Dia	50mm(2")
Connection Thread	Outer Pipe Thread
Total Head	25m
Delivery Volume	500 liters/min
Max. Suction Head	8m
ENGINE	
Model	HATZ 1B20 Forced Air Cooled 4 Cycle Gasoline Engine
Exhaust Volume	232cc
Horse Power	3.5kW/3600rpm
Fuel	Diesel
Autonomy (full tank)	Abt 2.5hr
Starting Method	Recoil Starter / Electric start
Standard Accessory	1 Strainer, 2 Hose Couplings, 3 Hose Bands, 1 Engine Tool
Gross Weight	57kg

# Plastic body engine driven pump



- Compact in design
- Superior material used
- PET (Polyethylene Terephthalate) pump casing, impeller and volute casing
- EPDM and carbon ceramic for mechanical seal  
SUS for all bolts and washers
- Powered by strong and durable Honda engine or strong Yanmar diesel engine

SPECIFICATIONS	PGH-50	PGH-50DYR
SUCTION&DISCHARGE SIZE	50mm (BSP 2")	50mm (BSP2")
MAXIMUM SUCTION HEAD	8m	8m
MAXIMUM DISCHARGE HEAD	26m	22m
MAXIMUM PRESSURE	0.26MPa	0.22MPa
MAXIMUM FLOW	560 l/m	490 l/m
MECHANICAL SEAL	CERAMIC CARBON	CERAMIC CARBON
NET WEIGHT	19kg	48kg
GROSS WEIGHT	22kg	49kg
DIMENSIONS	540X418X433	540X418X433
ENGINE	HONDA GX-120	YANMAR L48