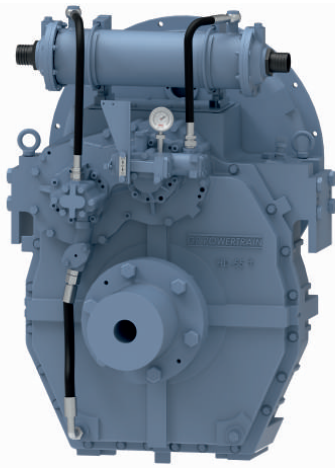


HD55+

Hydraulic Marine Gearbox

(Specially design for heavy duty applications)

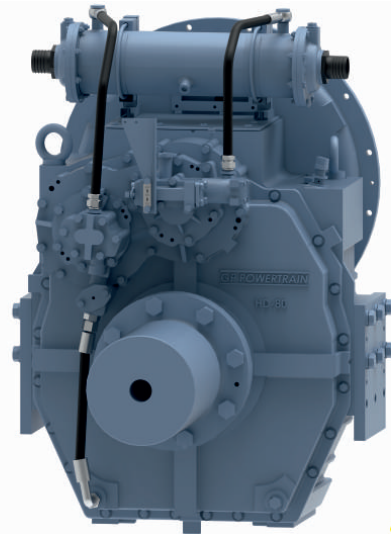


HD 55+

- Durable cast iron construction
- Case hardened and precisely ground gear teeth for long life and smooth running
- Compact, space saving design with increased bearing and clutch capacity for heavy duty and matching oil cooler.
- Smooth Actuation & High Reliability
- Equal power transmission in both Astern & Ahead direction
- Suitable for twin screw application (Same ratio and Torque Capacity in Ahead or Astern mode)
- Emergency come home facility
- Low maintenance

Reduction Ratio	Power Range in HP	Maximum Input Rating		Rated Torque		Torque Rating						Max. Input Speed	Flywheel Housing	Flywheel	Approx. Dry Weight (Kg)
						1500 RPM		2000 RPM		2000 RPM					
		HP	KW	Kg-m	Nm	Kg-m	Nm	Kg-m	Nm	Kg-m	Nm	RPM	SAE No.	Clutch No.	Kg
2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6	500 to 700	700	523	240	2360	320	3147	240	3147	240	2360	2400	0, 1, Holset	14	700

Application - Fishing Boats | Ferry Boats | Passenger Boats | RORO Vessels | Tug Boats | Catamaran | Patrolling Boats | Mooring Boats | Barge



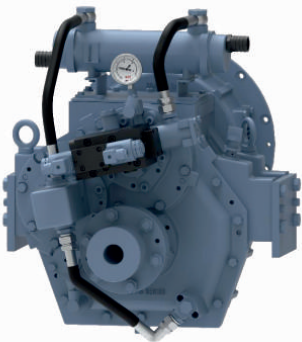
HD 80

Ratio	Max Input Torque		Max Input RPM	Capacity/ RPM		Capacity/ RPM						Standard Bell Housing (SAE)	Dry Weight (KG)
						1800		2000		2200			
	kgf.m	Nm		kW	HP	kW	HP	kW	HP	kW	HP		
3.02*, 3.28*, 3.56*, 4.07	550	5395	2300	0.565	0.757	1016	1363	1129	1515	1242	1666		
4.48	526	5160	2300	0.540	0.724	972	1304	1080	1449	1188	1594	0	1250
4.95	435	4265	2300	0.446	0.599	803	1078	893	1197	982	1317		

- Note:
- Technical details mentioned above are approximate and may change as per site condition/situation.
 - As continuous improvements are contemplated the description and illustrations are not binding.
 - All data subject to change without prior notice.

High Speed Marine Gearbox

India's First High-Speed Gearbox



HS 13

Ratio	Max. Input Torque (kgf.m / N.m)	Capacity / RPM (Kw / HP)	Capacity / 2000 RPM (Kw / HP)	Max. Input RPM	Standard Flywheel Housing (SAE)	Dry Weight (kg)
2	64 / 653	0.065 / 0.088	261 / 350	4000	3, 4	180

- Salient Features :
1. High Gear Ratio : Using DIN Class 4 Gears
 2. Output Speed : Achieved 20-24 nautical.
 3. Compact Design : Space-saving and lightweight
 4. Durable Construction : Resistant to corrosion and wear.
 5. Precision Engineering : Smooth operation and reduced wear.
 6. Advanced Design : Optimizes performance and longevity.
 7. Application : suitable for high-speed vessels
 8. Reliability : Minimizes maintenance and downtime.

Applications



Fishing Boat



Passenger Boat



Tug Boat



Patrolling Boat



Catamaran



Water Tanker



Luxury Boat



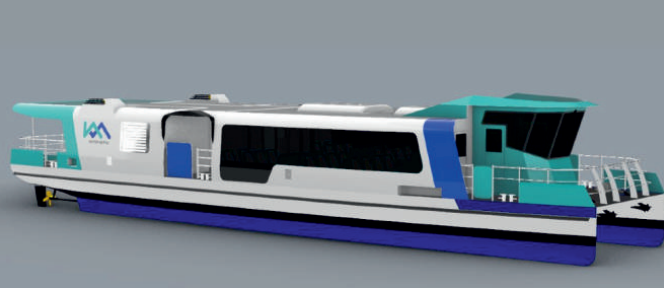
Mooring Boat



Advertise Barge



Ferry Boat



Electrical Boat



GHATGE PATIL INDUSTRIES LTD.
UCHGAON, KOLHAPUR - 416005, INDIA.

Tel : +91(231) 260 8000 / +91(231) 260 8180 / +91(231) 260 8184

Fax : +91(231) 260 8080

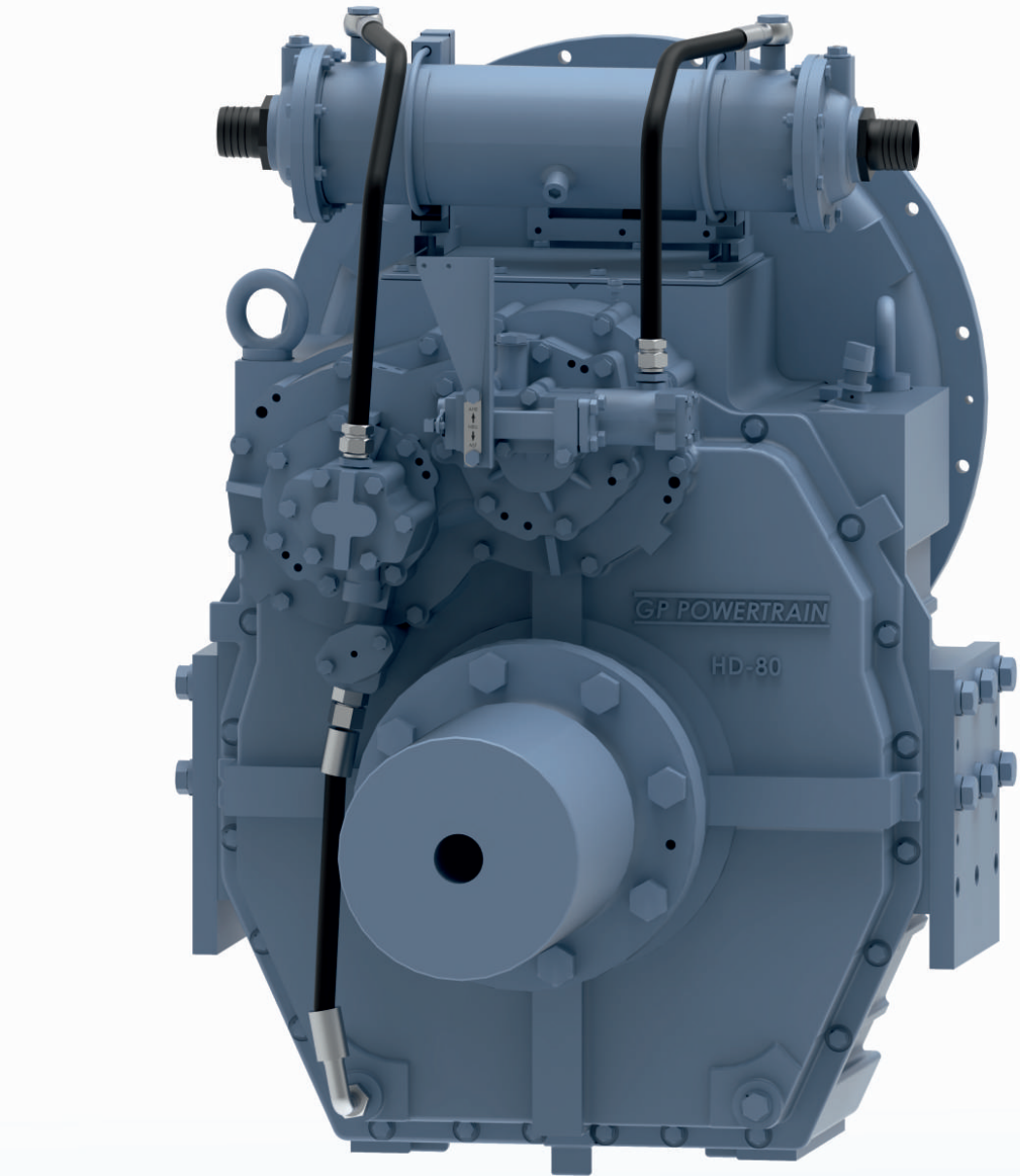
E-Mail : marine@gpi.co.in, gppowertrain@gpi.co.in

www.gpi.co.in



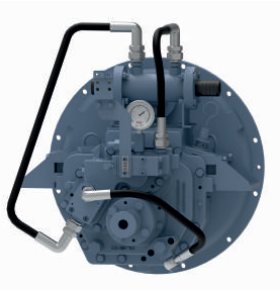


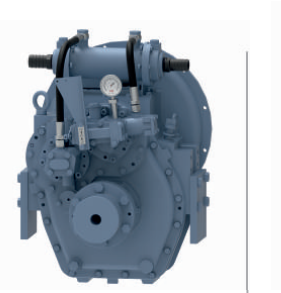
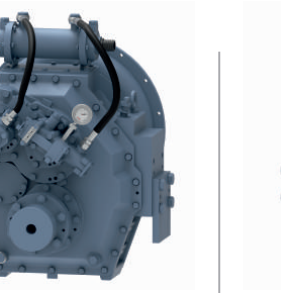
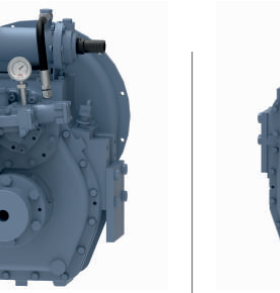
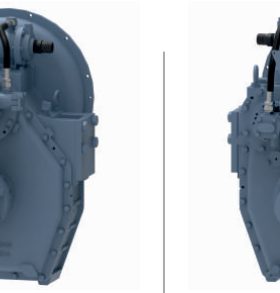
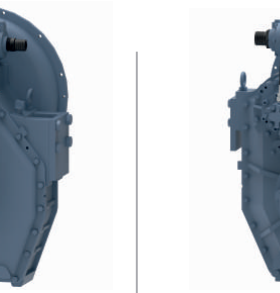
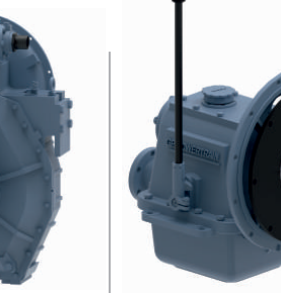

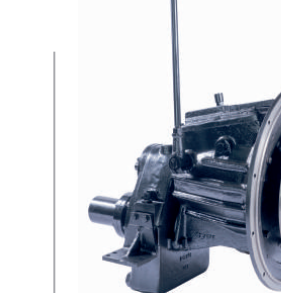


Powered by
GHATGE PATIL
INDUSTRIES LTD. Since - 1960

GP POWERTRAIN
Trustworthy Solutions For Marine Transmissions Since - 1971



POWER
PERFORMANCE
PROFIT

Transmitting
Power.
Navigating
Seas.

															
			HG 2	HG 3	HG 4	HG 7	HG 10	HG 11	HG 13	HG 17	HG 25	MG 2	MG 3	MG 7	DA 5
Reduction Ratio			1.64, 2 , 2.5 , 3 , 3.5	1.64, 2 , 2.5 , 3 , 3.5	1.64, 2 , 2.5 , 3 , 3.5	1.61, 2, 2.5, 2.82, 3, 3.5	3, 3.5, 6, 7	1.5,2, 2.5, 3, 3.2, 3.5, 4, 5, 6, 7	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.29, 6, 7	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.29, 6, 7	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.67, 6	1,2	2.10,2.95,3.35,3.83	3,4	2
Power Range in HP			10 to 40	20 to 51	40 to 80	100 to 140	160 to 200	150 to 220	240 to 260	280 to 340	300 to 500	10 to 25	25 to 40	100 to 140	60 to 80
Maximum Input Rating	HP		40	51	80	140	200	220	260	340	500	25	40	140	80
	KW		29	38	59.95	104.39	149.14	164.05	193.88	253.53	372.84	18.64	29.82	104.39	59.65
Rated Torque	Kg-m		13	22	27	48	64	75	89	117	172	9	14	48	28
	Nm		127	214	270	472	627	741	876	1146	1685	84	134	472	270
Max. Input Speed (RPM)			2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
Torque Rating	1500 RPM	Kg-m	17	22	37	64	91	101	119	156	229	11	18	64	37
		Nm	166	214	359	629	829	989	1168	1528	2247	112	179	629	359
	2000 RPM	Kg-m	13	16	28	48	64	76	89	117	172	9	14	48	28
		Nm	127	157	270	472	627	741	876	1146	1685	84	134	472	27
	2200 RPM	Kg-m	12	15	25	44	59	69	81	111	156	8	12	44	25
		Nm	177	148	245	429	579	674	797	1085	1532	76	122	429	245
Flywheel Housing	SAE No.		3, 4, 5	3	3	1, 2, 3	1	1, 2, 3	1, 2, 3	1	1	3, Direct Couple	3, Direct Couple	1	3, Direct Couple
Flywheel	Clutch No.		6, 8, 10, 11.5	10, 11.5	10, 11.5	10, 11.5, 14	14	10, 11.5, 14	10, 11.5, 14	14	14	10, 11.5	10, 11.5	14	11.5
Approx. Dry Weight (Kg)			70	90	100	210	400	260	330	360	500	80	100	180	100

About

GPI is a group of industries with diverse capabilities in precision engineering. From inception in 1960, we are working with one common objective – to succeed as an organization, with a united strength of dedicated minds striving consistently in achieving excellence. The **GPI** group is serving in various business verticals mainly in manufacturing of CI and SGI machined castings, proprietary products in marine, off-highway, oil and gas industries; manufacturing of non-proprietary assemblies, sub-assemblies in tractor, off highway industries etc..

GPI is a manufacturer of proprietary products which are designed and developed by **GPI**. We are producing a wide array of products for the same under the brand name of **‘GPPowertrain’**, which includes transmissions such as Mechanical Power Take Offs, Marine Power Take Offs, Fluid Couplings and Marine Gear Boxes etc. We have in-house Research and Development Centre with facilities like Finite Element Analysis, Experimental Stress Analysis, Functional Acceptance Testing etc. These products are backed by aftersales support. Through this sub-assembly division, **GPI** provides indigenous solutions as import substitutes for various critical sub-assemblies e.g. Bharat Earth Movers Ltd. (BEML). We are also manufacturing and supplying non proprietary sub-assemblies with testing to OEM's where all suppliers are approved by the customer.

Vision

Under the brand GP-Powertrain To be a one-stop solution for power transmission needs in the earthmoving, marine, industrial, and agriculture sectors-offering reliable, high-quality products and services.

Strategy

- To deliver services, systems, and procedures that are constantly improved in order to please customers.

Mission

To design, develop, and deliver innovative, dependable, and cost-effective Powertrain solutions that meet the highest industry standards.

- Integrating Industries 4.0 technology For faster research and development, create prototypes quickly.
- Maintain a socially and environmentally responsible attitude

GP POWERTRAIN
Trustworthy *solution* for marine transmissions since 1971

Hydraulic Marine Gearbox

- Durable cast iron construction
- Case hardened and precisely ground gear teeth for long life and smooth running
- Smooth actuation & high reliability
- Equal power transmission in both Astern & Ahead direction
- Suitable for twin screw application (Same ratio and torque capacity in Ahead or Astern mode)
- Emergency come home facility
- Low maintenance

Mechanical Marine Gearbox

- Durable cast iron construction
- Case hardened and precisely ground gear teeth for Long life and smooth running
- Smooth actuation & high reliability
- Easy clutch adjustment
- Low maintenance

Marine Power Takeoff

- Eco-friendly Non-Asbestos material is used hence it increases life of PTO.
- Flexible input coupling eliminates misalignment.
- Smooth actuation and High reliability and durability.
- Low maintenance and more efficient and light in weight.



GP 1100 M - 1



GP 1070 M - 1

Eco-friendly + Non-Asbestos

Model	Max. RPM	Max. Torque Rating		Stroke of Operating Lever	Approx. Dry Weight (Kg)
		Kg-m	Nm		
GP - 1070 M - 1	3000	18	177	13°	60
GP - 1100 M - 1	2100	34	333	15°	120