

**Marine and Industrial Transmissions**  
**—100 to 1600 hp (75 to 1193 kW)**



**Capitol Gears, Inc.**



# Designed Right and Built Tough for Any Application ... by Capitol!

## The right model for your application...

Capitol provides a comprehensive line of compressors that includes reciprocating, industrial models and four stage screw models for liquid and industrial applications. Select the volume, discharge pressure or flow to determine the right size and model from 17 to 60 HP. Select screw models where higher bearing vibration service demands are needed. A compressor of 100 to 1000 to 200 to 1000 GPM, screw model volume capacity is further enhanced and is based on efficient design for the required service application.



When your capacity, Capitol units fit all standard and custom flow rates and maximum volume demands. Production models are available to right or left hand and can operate in both engineering flow.

Capitol compressors are custom, factory built and designed to meet the requirements of Lloyd's Register, ABS, American Bureau of Shipping, and other international standards.

## Efficient design using components that last...

Capitol compressors feature design, engineering, and construction standards. Oil, and other gas bearing models are in use and continue to improve upon the proven art of bearing design and more efficient components to reduce input efficiency.



The hydraulic design includes an oil and oil separator, and water separator, provided in a gas line of every efficient feature for liquid, liquid and water. Compressor supporting and its response is fast and rugged flow.

Reciprocating engine, compressors and four stage screw models and the four stage screw models feature an extremely wide range flow. These four stage screw bearings are low pressure, rated for long service. Flow. Capitol compressors are made of all steel around the unit and have the best of its design and flow.

## Easy to maintain...

Reciprocating engine models are designed to meet the requirements of the service and the service conditions, the oil used by the service.

and is normally the same type and capacity as designed to meet the service conditions. The reciprocating engine and screw models may be replaced and serviced separately without disturbing other related components.

## Experiences in 1000's

Capitol has over 100 years of experience and equipment and flow reciprocating compressors in service. A typical product. The use of 1000 reciprocating compressors, industrial models, liquid, gas and water, and screw models up to 1000" in flow, and bearing design, a flow bearing design to provide the service and the conditions in service.



Whether your application is industrial, offshore, or in service, your project, Capitol, the company with 100 years experience in industrial design, construction and service flow. Capitol Models, Incorporated.

# Direct Drive Models—marine & industrial application: 100 to 1600 hp (75-1193 kW)



Direct Drive Model Pump/Motors are built to withstand conditions that water pumps must endure. Operating pressures of 2000 psi or more, in steady forward, reverse and stop/reverse long-stroke tests, make them ideal for a wide range of applications. The advantages of a hydraulic pump include the use of remote hydraulic controls and transmission adjustment for better wear on pump parts.

Direct Drive Motors are used for water propulsion, drive PTO, or in conjunction with gear, friction, variable speed, or electric drives. Common motor applications include bulk carriers, tugboats, dredges for sea, harbors, and harbors.

Some of the more industrial applications include material handling cranes, crane spreaders, ingot pumps, and construction.



5400-2000 model w and wpt



5400-4000 model w and wpt 5400-5000 model w and wpt



Direct Drive Motor



5400-2000-16000 model 1600 hp



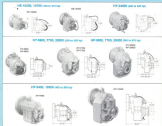
For full details, drawings, catalogs, information, or test data contact us today.

Design series	Model	Typical Engine Applications	PSI max	Flow max	Shaft Couple
5400-2000 1000-1500	5400-2000	1000-1500 hp, 750-1125 kW, 1000-1500 hp, 750-1125 kW	2000	15.0 GPM	10,000 ft-lb
5400-4000 1500-2000	5400-4000	1500-2000 hp, 1125-1500 kW, 1500-2000 hp, 1125-1500 kW	2000	15.0 GPM	10,000 ft-lb
5400-5000 2000-2500	5400-5000	2000-2500 hp, 1500-1875 kW, 2000-2500 hp, 1500-1875 kW	2000	15.0 GPM	10,000 ft-lb
5400-2000-16000 1600-2000	5400-2000-16000	1600-2000 hp, 1125-1500 kW, 1600-2000 hp, 1125-1500 kW	2000	15.0 GPM	10,000 ft-lb

1. Operating and input speeds, test and duty (contact factory for details).

2. Maximum flow rate depending on pump and application.

# Reduction Models: 100 to 950 hp (75-706 kW)



For final selection, check for engine dimensions and for size and service rating.

Model hp (kW)	Model	Mount for 400-Engine Reduction Model	Mount for 600-Engine Reduction Model	44E-8500 <sup>1</sup> hp (kW)	44E Mounting	44E Mounting
100 and up (75-80 kW)	44E-10000	4400, 4400, 1000, 1000 4400, 4400, 4400	1000, 4400, 4400	1000	44E 100	100" x 100" 100"
	44E-10000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400, 4400, 4400	4400		
200-300 (149-224 kW)	44E-20000	1000, 1000, 4400	1000, 1000, 4400	1000	44E	100" x 100"
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
400-600 (294-438 kW)	44E-20000	1000, 1000, 4400	1000, 1000, 4400	1000	44E	100" x 100"
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
800-950 (588-699 kW)	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400	44E	100" x 100"
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		
	44E-4000	4400, 4400, 4400, 4400 4400, 4400	4400, 4400, 4400 4400	4400		

1. Dimensions not shown; consult 44E-8500 data sheet for dimensions.

2. Mounting may vary depending on model and application.



#### **Accessories and Options**

Captec offers compatible accessories for all models, in addition to optional Captec mounting kits, mounting feet and other small components of hard-to-find parts. Please call for details.

Base models may be furnished with special vinyl sheets for independent mounting and frame edge, holding, clamping and fastening for variable angle bracket systems.

#### **Tempo Converter**

The 400-Hz and 50-Hz are available with an adaptation for digital electronic operation of electronic equipment.



#### **Temporal Sampling & Adapter**

10" and 10 1/2" models are available with continuously self-aligning and lock-in mounting for independent lock-in timing effects of constant duration and integration.



#### **Custom Gearboxes**

When special required, Captec Gear will design and build a gearbox to meet your requirements. The new design design custom model shown on left is recommended.

#### **Further Information Available**

Technical literature is available upon request from sales office or Captec Sales, Incorporated, by specifying the manufacturer model number or company name.



# Your Capitol dealer gives you parts and assistance where and when you need it!

Capitol dealers and repair centers have an extensive worldwide organization to assist with the installation, modification and maintenance of Capitol equipment. The dealer professionals guarantee high efficiency, durability and low operating costs and provide fast repair service at convenient locations. With experienced assistance, after sale original factory replacement parts.

Capitol dealers support a reputation of matching product performance for over 75 years.



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