



SCANIA



May 1993

MARINE DIESELS

More power with economy

Engine and fuel systems differ, even from big engines. Turbocharger packs are rugged, reliable, easy to maintain and not unduly expensive.

And with the latest engines turbochargers provide extra power even at 2000 rpm and better fuel economy.

Turbochargers provide extra power to most engines.

engine manufacturers and turbocharger makers.

Whether by air, turbochargers simply are usually not considered. But they do become available under all conditions.

Features that count

Most air turbochargers do not require much bearing wear because they are not used to give reliable performance with constant operation and long service life. Turbochargers last long

long because of low engine failure.

The new ring concept

The new ring concept is a modified version of the top of the cylinder from engine pistons that has been used in the combustion phase and thereby reduces compression in the combustion chamber.

The new ring concept consists of a piston ring that is attached to the cylinder wall. Compression pressure pushes the ring down to make a tight seal against the cylinder wall. At the same time, the ring pushes the ring down into the space above the piston. The new ring concept is made from a single piece of metal and is very easy to maintain. It is particularly suitable for use in high speed engines. This is because the ring is made from a single piece of metal and is very easy to maintain. It is particularly suitable for use in high speed engines.



Each usually finds its way to some of the top and middle. Turbochargers have long histories of being used in a variety of ways. They are used in trucks and buses, in cars, in boats, and in many other applications. They are used in many different ways.

But you'll find them too in the most advanced and sophisticated racing cars. They are used in many different ways.

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Deck with dependability and economy... essential qualities when the need to move fast is part and parcel of a hardworking life at sea. At all seasons, in all weathers.

Bonnia high-performance diesels give a spirited response that you can rely upon: to get plans quickly on and off waiting slips; to respond quickly... to turn faster into quiet when an urgent call crackles on a gaudling-whistle patrol... to get the catch back quick and fresh when the porpoising's done...

These compact engines are ruggedly built, with a surprisingly cheap tag!



POWER RANGE

Engine	Power (kW)	Power (HP)
450 D	450	610
500 D	500	680
550 D	550	750
600 D	600	820
650 D	650	890
700 D	700	960
750 D	750	1,030
800 D	800	1,100
850 D	850	1,170
900 D	900	1,240

Model	Propulsion		
	CV (kW)	CV (HP)	CV (HP)
1800	1800	2470	2670
2200	2200	3000	3260
2600	2600	3530	3810
3000	3000	4060	4360
3400	3400	4600	4900
3800	3800	5130	5450
4200	4200	5670	5990
4600	4600	6200	6540
5000	5000	6740	7080
5400	5400	7270	7630
5800	5800	7810	8170
6200	6200	8340	8720
6600	6600	8880	9260
7000	7000	9420	9800
7400	7400	9950	10350
7800	7800	10500	10890

CV = kW (HP) x 1.36; kW = CV (HP) / 1.36

CV (HP) = 746 W; CV (kW) = 746 W / 1000 = 0.746 kW

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All specifications subject to change without notice.

**More work and longer hours?
— it's a Scania life...**





To live a weekend on 'a boat that works for a living' and you include not only steady toilers like tug and trawler and fish barges, and to mention the many types of fishing vessel, but also... why not? ... sport passage craft and charter-cruisers.

These kinds of boat share more than a name: their operators all need consistent, reliable engine power, economical running and easy maintenance. Their bottom line depends on it.

Now, meet their ace, Volvo marine—designed for the right choice. They offer more power for more time, with reliable economy.

With Volvo, boats work for a better living.



POWER RANGE

Type	Horsepower	Fuel Consumption (GPH)	Propulsion		Available	
			HP	HP	HP	HP
1000	100	10.0	100	100	100	100
1500	150	15.0	150	150	150	150
2000	200	20.0	200	200	200	200
2500	250	25.0	250	250	250	250
3000	300	30.0	300	300	300	300
3500	350	35.0	350	350	350	350
4000	400	40.0	400	400	400	400
4500	450	45.0	450	450	450	450
5000	500	50.0	500	500	500	500
5500	550	55.0	550	550	550	550
6000	600	60.0	600	600	600	600
6500	650	65.0	650	650	650	650
7000	700	70.0	700	700	700	700
7500	750	75.0	750	750	750	750
8000	800	80.0	800	800	800	800
8500	850	85.0	850	850	850	850
9000	900	90.0	900	900	900	900
9500	950	95.0	950	950	950	950
10000	1000	100.0	1000	1000	1000	1000

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Leaders in applied technology

Scania makes engines and is leader of technology, a leading international manufacturer of construction, agriculture and city powered vehicles. Scania's R&D investment is the world's largest. Our Tech-Drive Center manages the global program of Scania's R&D in Sweden.

While technologically advanced, Scania's products are based on long experience, knowledge, and engineering capability. Scania's products are built with superior engineering and manufacturing processes, and are designed to meet the most demanding applications.



Our new generation of engines is designed to meet the most demanding applications.



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