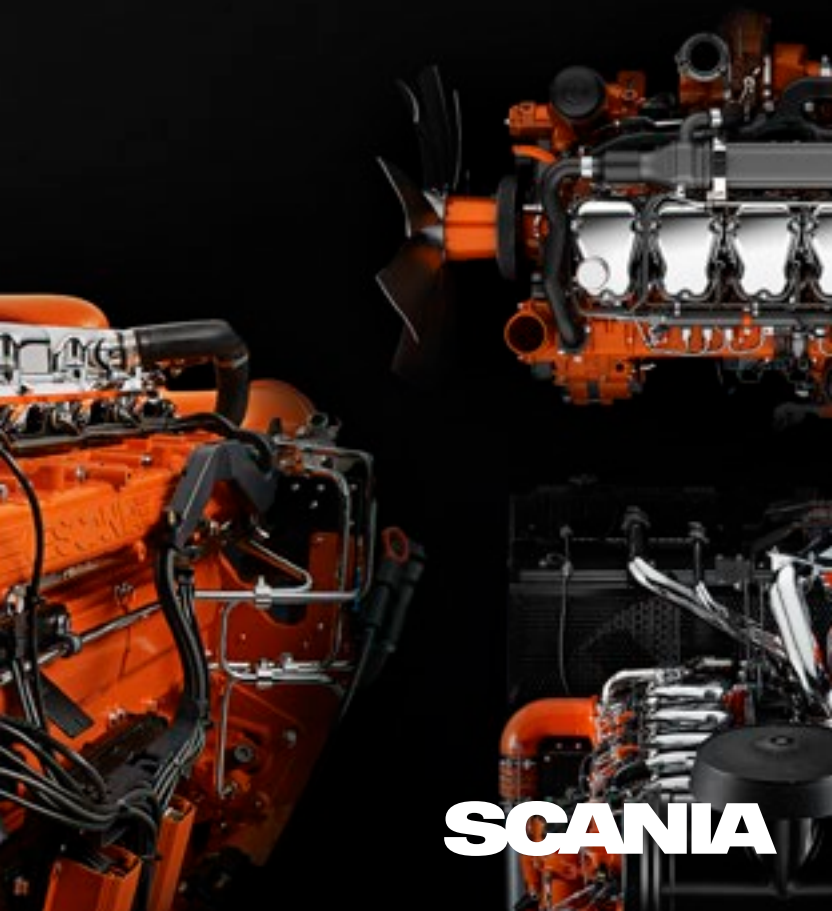




ENGINE RANGE

For marine, industrial, and power generation applications



SCANIA



Industrial engine range

9-series	17
13-series	18
16-series	19



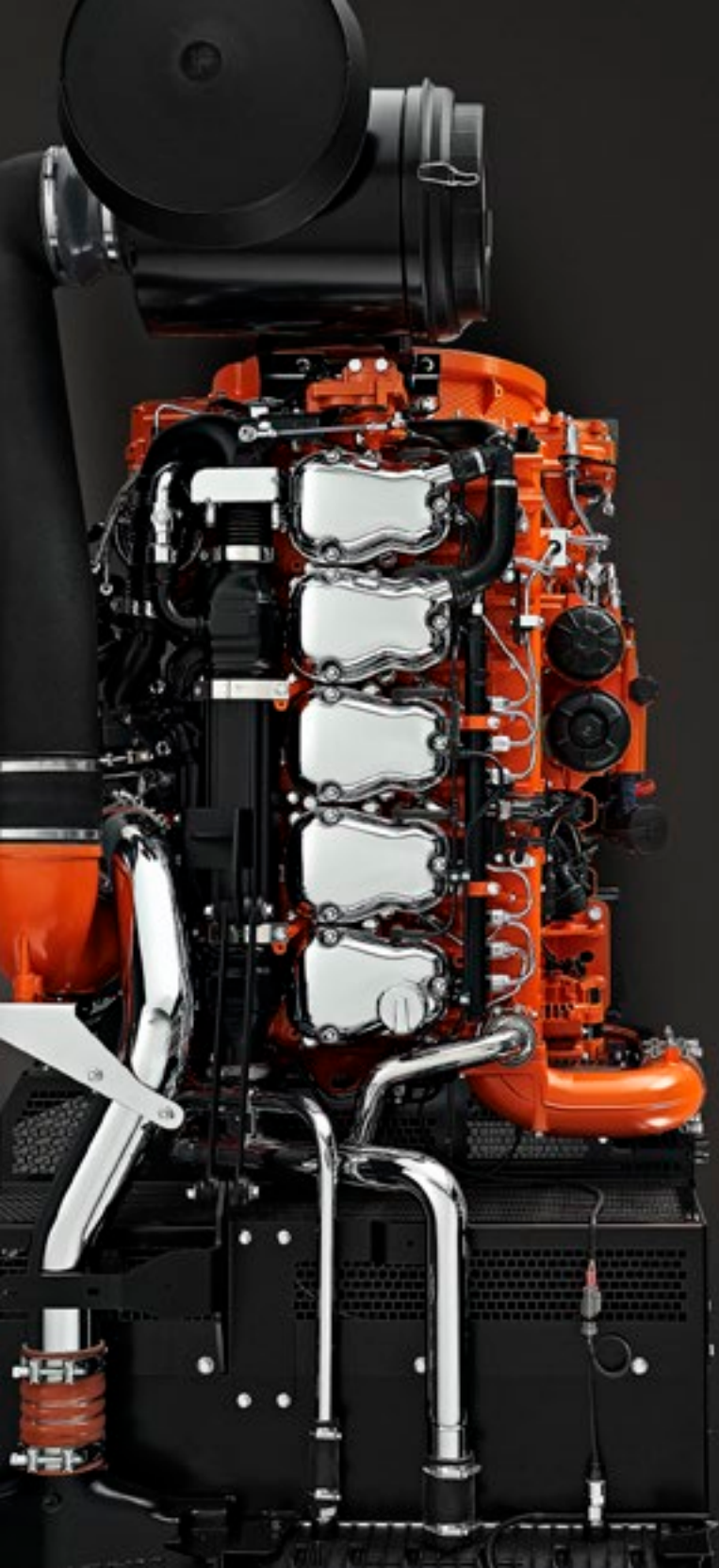
Marine engine range

9-series	7
13-series	8
16-series	12



Power generation engine range

9-series	21
13-series	22
16-series	23



RELIABLE AND EFFICIENT POWER

Wherever there are substantial demands on reliability, efficiency, and environmental consideration, a Scania engine is just what you need.

Scania has manufactured engines for more than a century. Today we produce around 100,000 engines a year for trucks and buses, as well as for marine, industrial and power generation applications. Our experience and competence form the base of our state-of-the-art engine range, combining excellent performance and low total cost of ownership.

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MARINE ENGINE RANGE



Engine data 9-series

Marine propulsion engines

EU Stage IIIA and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DI09 070M	162	220	–	–
DI09 070M	184	250	–	–
DI09 070M	221	300	–	–
DI09 070M	257	350	–	–
DI09 072M	–	–	221	300
DI09 072M	–	–	257	350
DI09 072M	–	–	294	400

Dimensions and weights of marine propulsion

9-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI09 070/072M with heat exchanger	1,419 (55.9)	975 (38.4)	1,148 (45.2)	approx. 1,150 (2,535)
DI09 070/072M with keel cooling double circuit	1,419 (55.9)	977 (38.5)	1,148 (45.2)	approx. 1,044 (2,302)

** Excl. oil and coolant

Marine auxiliary engines

EU Stage IIIA* and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling / without heat exchanger and water-cooled CAC (emergency/harbor)

Engine type	1,500 rpm (50 Hz)		1,800 rpm (60 Hz)	
	PRP		PRP	
	kW		kW	
DI09 074M	199		199	
DI09 074M	217		217	
DI09 074M	269		269	
DI09 074M	269		323	

* EU Stage IIIA only applies for propulsion engines with E2 test cycle.

Dimensions and weights of marine auxiliary 9-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI09 074M with heat exchanger	1,419 (55.9)	975 (38.4)	1,148 (45.2)	approx. 1,150 (2,535)
DI09 074M with keel cooling double circuit	1,419 (55.9)	977 (38.5)	1,148 (45.2)	approx. 1,044 (2,302)
DI09 074M without heat exchanger and water-cooled CAC (emergency/harbor)	1,426 (56.1)	979 (38.5)	1,153 (45.4)	approx. 1,032 (2,275)

** Excl. oil and coolant

Engine data 13-series

Marine propulsion engines

EU Stage IIIA, US Tier 2 and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 070M	294	400	–	–	–	–	–	–
DI13 070M	331	450	–	–	–	–	–	–
DI13 070M	368	500	–	–	–	–	–	–
DI13 070M	405	550	–	–	–	–	–	–
DI13 078M	–	–	280	380	–	–	–	–
DI13 078M	–	–	331	450	–	–	–	–
DI13 078M	–	–	368	500	–	–	–	–
DI13 078M	–	–	405	550	–	–	–	–
DI13 072M*	–	–	441	600	–	–	–	–
DI13 072M	–	–	–	–	478	650	–	–
DI13 077M	–	–	–	–	515	700	–	–
DI13 077M	–	–	–	–	–	–	551	750

* 2,300 rpm

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 071M	294	400	–	–	–	–	–	–
DI13 071M	331	450	–	–	–	–	–	–
DI13 071M	368	500	–	–	–	–	–	–
DI13 073M	–	–	280	380	–	–	–	–
DI13 073M	–	–	331	450	–	–	–	–
DI13 073M	–	–	368	500	–	–	–	–
DI13 073M	–	–	405	550	–	–	–	–

EU Stage IIIA, IMO Tier II, US Tier 3 compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 087M	–	–	478	650	–	–	–	–
DI13 087M	–	–	515	700	–	–	–	–
DI13 087M	–	–	–	–	515	700	–	–
DI13 087M	–	–	–	–	552	751	–	–
DI13 087M	–	–	–	–	588	800	–	–

EU Stage IIIA, IMO Tier II, US Tier 3 compliant engines

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 088M	–	–	478	650	–	–	–	–
DI13 088M	–	–	–	–	515	700	–	–
DI13 088M	–	–	–	–	552	751	–	–

EU Stage IIIA and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
D113 076M	–	–	515	700	–	–	–	–
D113 076M	–	–	–	–	607	825	–	–
D113 076M	–	–	–	–	–	–	643	875

US Tier 3 and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
D113 080M	184	250	–	–	–	–	–	–
D113 080M	221	300	–	–	–	–	–	–
D113 080M	257	350	–	–	–	–	–	–
D113 080M	294	400	–	–	–	–	–	–
D113 081M	331	450	–	–	–	–	–	–
D113 081M	368	500	–	–	–	–	–	–

US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
D113 082M	–	–	331	450	–	–	–	–
D113 082M	–	–	368	500	–	–	–	–
D113 083M	–	–	405	550	–	–	–	–
D113 083M	–	–	441	600	–	–	–	–
D113 085M	–	–	–	–	478	650	–	–
D113 086M*	–	–	–	–	441	600	–	–
D113 086M*	–	–	–	–	–	–	496	675

* Only available with heat exchanger

IMO Tier II compliant engines

Engines with keel cooling, double circuit

Engine type	ICFN 1,600 rpm		ICFN 1,800 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
D113 080M	–	–	162	220	–	–	–	–
D113 080M	221	300	–	–	–	–	–	–
D113 080M	–	–	249	338	–	–	–	–
D113 081M	–	–	162	220	–	–	–	–

EU Stage IIIA compliant engines

Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp
D113 093M	515	700	–	–	–	–
D113 093M	607	825	–	–	–	–
D113 093M	680	925	–	–	–	–

IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,600 rpm		ICFN 1,800 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 080M	–	–	162	220	–	–	–	–
DI13 080M	221	300	–	–	–	–	–	–
DI13 080M	–	–	249	338	–	–	–	–
DI13 081M	–	–	162	220	–	–	–	–

IMO Tier III and EU Stage IIIA compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 092M	257	350	–	–	–	–	–	–
DI13 092M	294	400	–	–	–	–	–	–
DI13 092M	331	450	–	–	–	–	–	–
DI13 092M	368	500	–	–	–	–	–	–
DI13 092M	405	550	–	–	–	–	–	–

Dimensions and weights of marine propulsion 13-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI13 70/078/080/081/082/092M with heat exchanger	1,503 (59.2)	974 (38.4)	1,174 (46.2)	approx. 1,285 (2,833)
DI13 072M with heat exchanger	1,536 (60.5)	974 (38.4)	1,173 (46.2)	approx. 1,285 (2,833)
DI13 077M with heat exchanger	1,536 (60.5)	974 (38.4)	1,227 (48.3)	approx. 1,285 (2,833)
DI13 080/081/082M/092M with keel cooling, double circuit	1,503 (59.2)	977 (38.5)	1,174 (46.2)	approx. 1,180 (2,602)
DI13 071/073M with keel cooling, single circuit	1,503 (59.2)	956 (37.6)	1,174 (46.2)	approx. 1,180 (2,602)
DI13 076/087M/093M with heat exchanger	1,536 (60.5)	973 (38.3)	1,218 (47.9)	approx. 1,285 (2,832)
DI13 088M with keel cooling	1,536 (60.5)	973 (38.3)	1,218 (47.9)	approx. 1,180 (2,601)

** Excl. oil and coolant

Marine auxiliary engines

EU Stage IIIA*, US Tier 2 and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,500 rpm (50 Hz)		1,800 rpm (60 Hz)	
	PRP		PRP	
	kW		kW	
DI13 074/075M	285		285	
DI13 074/075M	323		323	
DI13 074/075M	323		376	
DI13 074/075M	376		426	
DI13 074/075M	426		426	

* EU Stage IIIA only applies for propulsion engines with E2 test cycle.

Engines without heat exchanger and water-cooled CAC
(emergency/harbour)

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI13 075M	323	374
DI13 075M	374	426
DI13 075M	426	426

* EU Stage IIIA only applies for propulsion engines with E2 test cycle.

US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,800 rpm (60 Hz)
	PRP
	kW
DI13 084M	269
DI13 084M	323
DI13 084M	376
DI13 084M	426

IMO Tier III and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI13 091M	269	285
DI13 091M	285	323
DI13 091M	323	374
DI13 091M	374	426
DI13 091M	426	426

Dimensions and weights of marine auxiliary 13-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI13 074/084M/089M with heat exchanger	1,503 (59.2)	974 (38.4)	1,174 (46.2)	approx. 1,285 (2,833)
DI13 084/089M with keel cooling, double circuit	1,503 (59.2)	977 (38.5)	1,174 (46.2)	approx. 1,180 (2,602)
DI13 075M with keel cooling, single circuit	1,503 (59.2)	956 (37.6)	1,174 (46.2)	approx. 1,180 (2,602)
DI13 075M without heat exchanger and water-cooled CAC (emergency/harbor)	1,510 (59.5)	937 (36.9)	1,170 (46.1)	approx. 1,123 (2,476)
DI13 091M with heat exchanger	1,503 (59.2)	956 (37.6)	1,157 (45.6)	approx. 1,285 (2,833)

** Excl. oil and coolant

Engine data 16-series

Marine propulsion engines

EU Stage IIIA, US Tier 2 and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,300 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 070M	405	550	–	–	–	–	–	–
DI16 070M	460	625	–	–	–	–	–	–
DI16 070M	515	700	–	–	–	–	–	–
DI16 070M	552	750	–	–	–	–	–	–
DI16 072M	–	–	–	–	588	800	–	–
DI16 072M	–	–	–	–	625	850	–	–
DI16 072M	–	–	–	–	662	900	662	900
DI16 077M*	–	–	662	900	662	900	–	–
DI16 077M*	–	–	–	–	–	–	736	1,000
DI16 077M*	–	–	–	–	–	–	–	–

* Note! Optimised for Water Jet applications. Not intended for conventional propeller use.

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 071M	405	550	–	–	–	–	–	–
DI16 071M	460	625	–	–	–	–	–	–

EU Stage IIIA and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 072M	–	–	478	650	–	–	–	–
DI16 072M	–	–	515	700	–	–	–	–
DI16 072M	–	–	552	750	–	–	–	–
DI16 072M	–	–	588	800	–	–	–	–
DI16 076M	–	–	662	900	–	–	–	–
DI16 076M	–	–	–	–	736	1,000	–	–
DI16 076M	–	–	–	–	809	1,100	–	–
DI16 076M	–	–	–	–	–	–	846	1,150

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 079M	405	550	–	–	–	–	–	–
DI16 079M	460	625	–	–	–	–	–	–
DI16 079M	515	700	–	–	–	–	–	–
DI16 079M	552	750	–	–	–	–	–	–

US Tier 3 and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 080M	405	550	–	–	–	–	–	–
DI16 080M	460	625	–	–	–	–	–	–
DI16 080M	515	700	–	–	–	–	–	–

US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 081M	–	–	477	650	–	–	–	–
DI16 081M	–	–	515	700	–	–	–	–
DI16 082M	–	–	588	800	–	–	–	–
DI16 083M*	–	–	–	–	588	800	–	–

* Only available with heat exchanger

IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 080M	221	300	–	–	–	–	–	–
DI16 080M	257	350	–	–	–	–	–	–
DI16 080M	294	400	–	–	–	–	–	–
DI16 080M	331	450	–	–	–	–	–	–

EU Stage IIIA and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm		Patrol Craft Long 2,300 rpm		Patrol Craft Short 2,300 rpm	
	kW	hp	kW	hp	kW	hp
DI16 093M	736	1,000	–	–	–	–
DI16 093M	809	1,100	–	–	–	–
DI16 093M	882	1,200	–	–	–	–

Dimensions and weights of marine propulsion 16-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI16 72/077/080/081/082M/083M with heat exchanger	1,551 (61.1)	1,251 (49.3)	1,214 (47.8)	approx. 1,670 (3,682)
DI16 071M with keel cooling, single circuit	1,533 (60.1)	1,251 (49.3)	1,214 (47.8)	approx. 1,600 (3,527)
DI16 079/080/081/082M with keel cooling, double circuit	1,577 (62.1)	1,251 (49.3)	1,214 (47.8)	approx. 1,600 (3,527)
DI16 076/093M with heat exchanger	1,574 (62)	1,270 (50)	1,131 (44.5)	approx. 1,660 (3,657)

** Excl. oil and coolant

Marine auxiliary engines

EU Stage IIIA*, US Tier 2 and IMO Tier II compliant engines

Engines with heat exchanger

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI16 074M	430	468
DI16 074M	450	511
DI16 074M	480	553
DI16 074M	511	596

* EU Stage IIIA only applies for propulsion engines with E2 test cycle.

EU Stage IIIA* and IMO Tier II compliant engines

Engines with keel cooling

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI16 075M	430	468
DI16 075M	450	511
DI16 075M	480	553
DI16 075M	511	596

* EU Stage IIIA only applies for propulsion engines with E2 test cycle.

US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	PRP, 1,800 rpm (60 Hz)
	kW
DI16 084M	468

IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI16 090M	430	468
DI16 090M	450	511
DI16 090M	480	553
DI16 090M	511	596
DI16 090M	535	640

IMO Tier III and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,500 rpm (50 Hz)	1,800 rpm (60 Hz)
	PRP	PRP
	kW	kW
DI16 091M	430	468
DI16 091M	450	511
DI16 091M	480	553
DI16 091M	480	596

Dimensions and weights of marine auxiliary 16-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI16 074/084/090M/091/094M with heat exchanger	1,551 (61.1)	1,251 (49.3)	1,214 (47.8)	approx. 1,670 (3,682)
DI16 075/084/090M/094M with keel cooling, double circuit	1,577 (62.1)	1,251 (49.3)	1,214 (47.8)	approx. 1,600 (3,527)

** Excl. oil and coolant

Type approval

The majority of our marine engines, as well as the electrical systems and instrumentation, are type-approved by the leading classification associations. Contact your nearest Scania marine engine dealer for details



Depending on emission compliance, the rating and output range may vary. For further details, please check the technical specification sheets on www.scania.com/engines.

INDUSTRIAL ENGINE RANGE



Engine data 9-series

EU Stage V compliant engines

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp	kW	hp
DC09 310A	202	275	–	–	–	–
DC09 310A	240	326	–	–	–	–
DC09 311A	202	275	–	–	–	–
DC09 311A	240	326	–	–	–	–
DC09 312A	–	–	202	275	–	–
DC09 312A	–	–	232	315	–	–
DC09 313A	–	–	257	350	–	–
DC09 313A	–	–	–	–	276	375
DC09 313A	–	–	–	–	294	400

EU Stage IV and US Tier 4f compliant engines*

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp	kW	hp
DC09 084/384A	–	–	202	275	–	–
DC09 085/385A	–	–	232	315	–	–
DC09 085/385A	–	–	243	330	–	–
DC09 085/385A	–	–	257	350	–	–
DC09 086/386A	–	–	–	–	276	375
DC09 086/386A	–	–	–	–	294	400
DC09 087/387A	202	275	–	–	–	–
DC09 089/389A	237	322	–	–	–	–

* Engine types starting with 3 (i.e. DC09 386A) are compliant with EU Stage IV.

Engine types starting with 0 (i.e. DC09 086A) are compliant with EU Stage IV and US Tier4f.

EU Stage IIIA, China Phase III, Indian Bharat Stage III and Brazil MAR-I compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC09 076A	202	275	–	–
DC09 076A	232	315	–	–
DC09 076A	–	–	243	330
DC09 076A	–	–	257	350

EU Stage II, China Phase II and Russia Stage I compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC09 074A	202	275	–	–
DC09 074A	232	315	–	–
DC09 074A	243	330	–	–
DC09 074A	257	350	–	–
DC09 074A	–	–	276	375
DC09 074A	–	–	294	400

Dimensions and weights of industrial 9-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC09 310/311/312/313A	1,214 (47.8)	982 (38.7)	1,209 (47.6)	approx. 950 (2,094)
DC09 /085/086/087/089A	1,234 (48.6)	982 (38.7)	1,107 (43.6)	approx. 975 (2,149)
DC09 077/078/080/083A	1,242 (48.9)	874 (34.4)	1,111 (43.7)	approx. 950 (2,094)
DC09 074/076A	1,242 (48.9)	842 (33.1)	1,119 (44.1)	approx. 950 (2,094)

** Excl. oil and coolant

Engine data 13-series

EU Stage V compliant engines

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp	kW	hp
DC13 310A	257	350	–	–	–	–
DC13 310A	283	385	–	–	–	–
DC13 310A	294	400	–	–	–	–
DC13 311A	257	350	–	–	–	–
DC13 311A	294	400	–	–	–	–
DC13 312A	–	–	294	400	–	–
DC13 312A	–	–	331	450	–	–
DC13 313A	–	–	–	–	368	500
DC13 313A	–	–	–	–	405	550

EU Stage IV and US Tier 4f compliant engines

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp	kW	hp
DC13 084/384A	–	–	294	400	–	–
DC13 084/384A	–	–	331	450	–	–
DC13 085/385A	–	–	–	–	368	500
DC13 085/385A*	–	–	–	–	405	550
DC13 087/387A	257	350	–	–	–	–
DC13 087/387A	283	385	–	–	–	–
DC13 087/387A	–	–	257	350	–	–

* 1,900 rpm

EU Stage IIIA, China Phase III, India Bharat Stage III and Brazil MAR-I compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC13 076A	257	350	–	–
DC13 076A	294	400	–	–
DC13 076A	–	–	331	450

EU Stage II, China Phase II and Russian Stage I compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC13 074A	257	350	–	–
DC13 074A	294	400	–	–
DC13 074A	331	450	–	–
DC13 074A	–	–	368	500

Fuel-optimised, non-compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC13 091A	257	350	–	–
DC13 091A	294	400	–	–
DC13 091A	331	450	–	–
DC13 091A	–	–	368	500

Note! Engine type DC13 091A is only available in the SLA market

Dimensions and weights of industrial 13-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC13 310/311/312/313A	1,378 (54.3)	941 (37.1)	1,209 (47.6)	approx. 1,050 (2,315)
DC13 084/085/087/089A	1,398 (55)	955 (37.6)	1,119 (44.1)	approx. 1,075 (2,369)
DC13 074/076/091A	1,406 (46.5)	861 (33.9)	1,113 (43.8)	approx. 1,050 (2,315)

Engine data 16-series

EU Stage V compliant engines

Engine type	ICFN 2,100 rpm		IFN 1,900 rpm		IFN 2,000 rpm	
	kW	hp	kW	hp	kW	hp
DC16 313A	405	550	–	–	–	–
DC16 313A	450	612	–	–	–	–
DC16 314A	–	–	478	650	–	–
DC16 314A	–	–	522	710	–	–
DC16 385A	–	–	–	–	566	770

EU Stage IV and US Tier 4f compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC16 084/384A	405	550	–	–
DC16 084A*	441	600	–	–
DC16 084/384A	478	650	–	–
DC16 084/384A	–	–	493	670
DC16 085A **/**	–	–	566	770

* Complies with US Tier 4f only.

** Complies with US emission regulation for engines >560 kW. DC16 085A is an all-speed engine. For the emission certificate to be valid, it must not be used in generator set.

*** **Note!** A Scania engine that is certified in a regulatory power category greater than 560 kW may under no circumstances be permanently constrained to a maximum level below 560 kW.

EU Stage IIIB compliant engines

Engine type	ICFN 2,000 rpm		IFN 2,000 rpm	
	kW	hp	kW	hp
DC16 092A	–	–	555	755

China Phase II and Russia Stage I compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC16 074A	405	550	–	–
DC16 074A	478	650	–	–
DC16 074A	–	–	515	700

China Phase III and India Bharat Stage III compliant engines

Engine type	ICFN 1,900 rpm		IFN 1,900 rpm	
	kW	hp	kW	hp
DC16 076A	368	500	–	–
DC16 076A	–	–	405	550
DC16 076A	–	–	425	578

Fuel-optimised, non-compliant engines

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DC16 086A	–	–	566	770

Dimensions and weights of industrial 16-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC16 313/314A	1,590 (62.6)	1,126 (44.3)	1,297 (51.1)	approx. 1,361 (3,000)
DC16 385A	1,324 (52.1)	1,124 (44.3)	1,215 (47.8)	approx. 1,340 (2,954)
DC16 084A	1,410 (55.5)	1,199 (47.2)	1,289 (50.8)	approx. 1,375 (3,031)
DC16 074/076A	1,345 (53)	1,180 (46.5)	1,215 (47.8)	approx. 1,340 (2,954)
DC16 077/083/085/086/092A	1,351 (53.2)	1,180 (46.5)	1,215 (47.8)	approx. 1,340 (2,954)

** Excl. oil and coolant

POWER GENERATION ENGINE RANGE



Engine data 9-series

EU Stage V compliant engines

Engine type	1,500 rpm (50 Hz) PRP		1,800 rpm (60 Hz) PRP	
	kW	kVA	kW	kVA
DC09 320A	223	250	225	250
DC09 320A	244	275	247	275
DC09 320A	265	300	268	300
DC09 320A	289	330	303	353

US Tier 4f compliant engines

Engine type	Output		Rating
	kW	kVA	rpm
DC09 085A	234	260	PRP 1,800 (60Hz)
DC09 086A	268	300	PRP 1,800 (60Hz)

EU Stage IIIA, China Phase III and CPCB-II* compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC09 071A	226	253	–	–	251	278	–	–
DC09 071A	248	279	–	–	273	306	–	–
DC09 071A	267	304	–	–	292	328	–	–
DC09 071A	289	329	–	–	313	353	–	–

* Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

EU Stage II and China Phase II compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC09 073A	226	253	249	280	251	278	276	309
DC09 073A	248	279	273	310	273	303	300	338
DC09 073A	267	304	294	335	292	328	321	361
DC09 073A	289	329	317	361	325	366	358	405

Fuel-optimised, non-compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC09 072A	226	253	249	280	251	278	276	309
DC09 072A	248	279	273	310	273	306	300	338
DC09 072A	267	304	294	335	292	328	321	361
DC09 072A	289	329	317	361	325	366	358	405

Dimensions and weights of power generation 9-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC09 320A	1,214 (47.8)	982 (38.7)	1,209 (47.6)	approx. 950 (2,094)
DC09 071A	1,242 (48.9)	906 (35.7)	1,285 (50.6)	approx. 950 (2,094)
DC09 072A	1,242 (48.9)	861 (33.4)	1,292 (50.9)	approx. 950 (2,094)
DC09 073A	1,242 (48.9)	861 (33.4)	1,292 (50.9)	approx. 950 (2,094)
DC09 085/086A	1,234 (59.80)	982 (37.60)	1,088 (43.74)	approx. 975 (2,150)

** Excl. oil and coolant

Engine data 13-series

EU Stage V compliant engines

Engine type	1,500 rpm (50 Hz) PRP		1,800 rpm (60 Hz) PRP	
	kW	kVA	kW	kVA
DC13 320A	311	350	318	350
DC13 320A	354	400	361	400
DC13 320A	397	450	404	450

US Tier 4f compliant engines

Engine type	Output		Rating
	kW	kVA	rpm
DC13 084A	301	330	PRP 1,800 (60Hz)
DC13 085A	335	370	PRP 1,800 (60Hz)
DC13 085A	370	410	PRP 1,800 (60Hz)

EU Stage IIIA, China Phase III and CPCB-II* compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC13 071A	325	366	–	–	371	411	–	–
DC13 071A	364	411	–	–	371	411	–	–

* Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

EU Stage II and China Phase II compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC13 073A	326	373	356	408	372	421	406	460
DC13 073A	365	413	403	456	410	456	449	508
DC13 073A	403	456	438	503	445	503	487	553
DC13 073A	438	503	480	553	445	503	487	553

Fuel-optimised, non-compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC13 072A	326	373	356	408	372	421	406	460
DC13 072A	365	413	403	456	410	456	449	508
DC13 072A	403	456	438	503	445	503	487	553
DC13 072A	438	503	480	553	445	503	487	553
DC13 072A*	–	–	356	408	–	–	415	471
DC13 093A*	–	–	–	–	443	501	487	552
DC13 093A*	–	–	–	–	485	550	534	607
DC13 093A*	–	–	–	–	499	566	549	625

* Note! Engine only available in the Scania Latin American market.

Dimensions and weights of power generation 13-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC13 320A	1,378 (54.3)	941 (37.1)	1,209 (47.6)	approx. 1,050 (2,315)
DC13 071A	1,406 (55.4)	907 (35.7)	1,209 (47.6)	approx. 1,050 (2,315)
DC13 072A	1,406 (55.4)	860 (33.9)	1,221 (48.1)	approx. 1,050 (2,315)
DC13 073A	1,406 (55.4)	860 (33.9)	1,221 (48.1)	approx. 1,050 (2,315)
DC13 084/085A	1,519 (59.80)	955 (37.60)	1,111 (43.74)	approx. 1,075 (2,370)
DC13 093A	1,406 (55.4)	880 (34.7)	1,270 (50)	approx. 1,050 kg (2,315)

** Excl. oil and coolant

Engine data 16-series

EU Stage V compliant engines

Engine type	1,500 rpm (50 Hz) PRP		1,800 rpm (60 Hz) PRP	
	kW	kVA	kW	kVA
DC16 320A	398	450	408	450
DC16 320A	439	500	449	500
DC16 320A	481	550	491	550

US Tier 4f compliant engines

Engine type	Output		Rating
	kW	kVA	rpm
DC16 084A	367	400	PRP 1,800 (60Hz)
DC16 084A	436	480	PRP 1,800 (60Hz)
DC16 084A	448	500	PRP 1,800 (60Hz)

EU Stage IIIA, China Phase III and CPCB-II* compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC16 071A	438	500	–	–	483	540	–	–
DC16 071A	480	549	–	–	483	540	–	–

* Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

Fuel-optimised, non-compliant engines

Engine type	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC16 072A	536	601	587	661	576	650	632	715
DC16 072A	578	651	634	716	619	700	678	770
DC16 072A	621	701	680	771	642	728	704	800
DC16 078A	536	600	587	660	534	600	585	660
DC16 078A	578	650	634	715	576	650	632	715
DC16 078A	621	700	680	770	620	702	680	772
DC16 093A	451	514	496	567	447	501	492	553
DC16 093A	486	555	535	613	489	550	538	607
DC16 093A	529	606	582	668	532	600	585	663
DC16 093A	558	640	614	706	576	652	634	720

DC16 072A is optimised for 60 Hz and DC16 078A for 50 Hz.

Gas engine OC16

Engine type	1,500 rpm (50 Hz)		1,800 rpm (60 Hz)		1,500 rpm (50 Hz)		1,800 rpm (60 Hz)	
	PRP		PRP		COP		COP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
OC16 071A*	333	364	372	409	330	360	350	383
OC16 071A*	372	409	411	455	330	360	350	383
OC16 071A*	407	455	426	477	330	360	350	383
OC16 071A**	360	395	360	395	320	349	320	349

* For natural gas.

** For Bio gas.

Dimensions and weights of power generation 16-liters engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC16 320A	1,590 (62.6)	1,126 (44.3)	1,297 (51.1)	approx. 1,361 (3,000)
DC16 071A	1,516 (59.7) with fan	1,211 (47.7)	1,288 (50.7)	approx. 1,340 (2,954)
DC16 072/078A	1,409 (55.5)	1,182 (46.5)	1,207 (47.5)	approx. 1,340 (2,954)
DC016 084A	1,400 (55.12)	1,199 (47.20)	1,289 (50.75)	approx. 1,375 (3,031)
DC16 093A	1,308 (51.5)	1,215 (47.8)	1,180 (46.5)	approx. 1,340 (2,954)
OC16 071A	2,021 (79.6)	1,313 (51.7)	1,754 (69.1)	approx. 1,352 (2,980)

** Excl. oil and coolant



Depending on emission compliance, the rating and output range may vary.
For further details, please check the technical specification sheets on
www.scania.com/engines.

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