



# MARINE ENGINE RANGE



**SCANIA**



## Marine engine range

9-series	5
13-series	6
16-series	11

# 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-litre 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)

\*\* Excluding 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/harbour)

Engine type	1,500 rpm (50 Hz) PRP	1,800 rpm (60 Hz) 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-litre 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/harbour)	1,426 (56.1)	979 (38.5)	1,153 (45.4)	approx. 1,032 (2,275)

\*\* Excluding oil and coolant.

# ENGINE DATA 13-SERIES

## MARINE PROPULSION ENGINES

EU RCD Stage II and US Tier 3 compliant engines for pleasure craft  
Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm	
	kW	hp
DI13 094M	515	700
DI13 094M	552	750
DI13 094M	588	800
DI13 304M	662	900

### IMO Tier III compliant engines

Engines with heat exchanger / with keel cooling

Engine type	ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DI13 095M	257	350	-	-
DI13 095M	280	380	-	-
DI13 095M	294	400	-	-
DI13 095M	331	450	-	-
DI13 095M	368	500	-	-
DI13 096M	-	-	405	550
DI13 096M	-	-	441	600

### 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 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 and 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 and 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
DI13 076M	–	–	515	700	–	–	–	–
DI13 076M	–	–	–	–	607	825	–	–
DI13 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
DI13 080M	184	250	–	–	–	–	–	–
DI13 080M	221	300	–	–	–	–	–	–

### US Tier 3, IMO Tier II and China Marine Phase 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
DI13 080M	257	350	–	–	–	–	–	–
DI13 080M	294	400	–	–	–	–	–	–
DI13 081M	331	450	–	–	–	–	–	–
DI13 081M	368	500	–	–	–	–	–	–

### US Tier 3 and China Marine Phase 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
DI13 082M	–	–	331	450	–	–	–	–
DI13 082M	–	–	368	500	–	–	–	–
DI13 083M	–	–	405	550	–	–	–	–
DI13 083M	–	–	441	600	–	–	–	–
DI13 086M*	–	–	441	600	–	–	–	–
DI13 086M*	–	–	–	–	496	675	–	–

\* Only available with heat exchanger. 2,300 rpm.

### US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	IFN 2,300 rpm			
	kW		hp	
DI13 085M	478		650	

### IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

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-litre engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DI13 070/078/080/081/082/092/095/096M with heat exchanger	1,503 (59.2)	974 (38.4)	1,174 (46.2)	approx. 1,285 (2,833)
DI13 072/083/086M 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/092/095/096M 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/094/304M 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)	968 (38.1)	1,218 (47.9)	approx. 1,180 (2,601)

\*\* Excluding 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 PRP	1,800 rpm 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 PRP	1,800 rpm 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	1,500 rpm PRP	1,800 rpm PRP
	kW	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 PRP	1,800 rpm 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-litre 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/harbour)	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)	1,174 (46.2)	approx. 1,285 (2,833)

\*\* Excluding oil and coolant.

# ENGINE DATA 16-SERIES

## MARINE PROPULSION ENGINES

EU RCD Stage II and US Tier 3 compliant engines for pleasure craft  
Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm	
	kW	hp
DI16 304M	736	1,000
DI16 304M	809	1,100
DI16 304M	846	1,150

### IMO Tier III compliant engines\*

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		IFN 2,300 rpm		Patrol long 2,300 rpm		Patrol short 2,300 rpm	
	kW	hp	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	-	-	477	650	-	-	-	-	-	-
DI16 072M	-	-	515	700	-	-	-	-	-	-
DI16 072M	-	-	552	750	-	-	-	-	-	-
DI16 072M	-	-	588	800	-	-	588	800	-	-
DI16 072M	-	-	-	-	-	-	625	850	-	-
DI16 072M	-	-	-	-	-	-	662	900	662	900
DI16 076M	-	-	-	-	662	900	-	-	-	-
DI16 076M	-	-	-	-	-	-	736	1,000	-	-
DI16 076M	-	-	-	-	-	-	809	1,100	-	-
DI16 076M	-	-	-	-	-	-	-	-	846	1,150

\* IMO Tier III compliant when using aftertreatment system from external supplier.

### Engines with keel cooling

Engine type	ICFN 1,800 rpm	
	kW	hp
DI16 079M	405	550
DI16 079M	460	625
DI16 079M	515	700
DI16 079M	552	750

## 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

\* 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 long 2,300 rpm		Patrol short 2,300 rpm		Pleasure cr 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
DI16 072M	–	–	477	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	–	–
DI16 093M	–	–	–	–	–	–	–	–	882	1,200

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, IMO Tier II and China Marine Phase 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 and China Marine Phase 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 081M	–	–	477	650	–	–	–	–
DI16 081M	–	–	515	700	–	–	–	–
DI16 082M	–	–	588	800	–	–	–	–
DI16 083M*	–	–	–	–	588	800	–	–

\* Only available with heat exchanger

### China Marine Phase 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 083M	–	–	–	–	–	–	625	850
DI16 083M	–	–	–	–	–	–	662	900

### 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	–	–	–	–	–	–

### Dimensions and weights of marine propulsion 16-litre 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 076/093/304M with heat exchanger	1,574 (62)	1,270 (50)	1,214 (47.8)	approx. 1,660 (3,657)
DI16 076M with heat exchanger, classified engine	1,609 (63)	1,270 (50)	1,234 (49)	approx. 1,660 (3,657)

\*\* Excluding 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 PRP	1,800 rpm 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 PRP	1,800 rpm PRP
	kW	kW
DI16 075M	430	468
DI16 075M	450	511
DI16 075M	480	553
DI16 075M	511	596

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

### US Tier 3 compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,800 rpm PRP
	kW
DI16 084M	468

### IMO Tier III and IMO Tier II compliant engines

Engines with heat exchanger / with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI16 090M	430*	468**
DI16 090M	450*	511**
DI16 090M	480*	553*
DI16 090M	511*	596*
DI16 090M	535*	640*
DI16 091M	430	468
DI16 091M	450	511

\* IMO Tier III compliant when using aftertreatment system from external supplier.

\*\* IMO Tier II compliant only.

## Dimensions and weights of marine auxiliary 16-litre engines

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

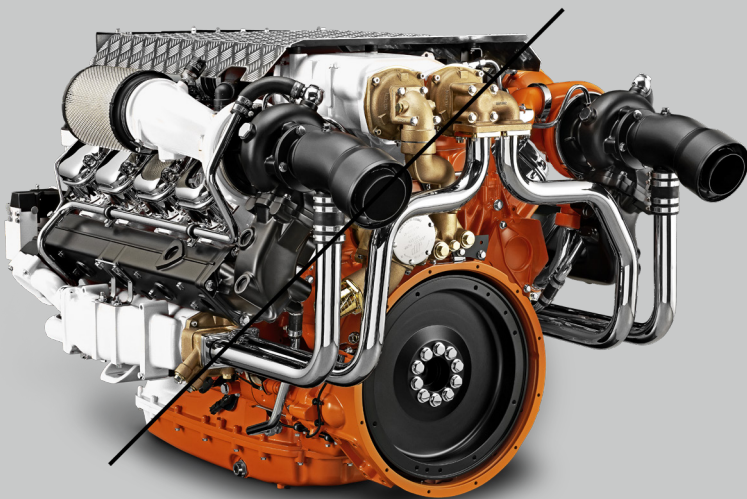
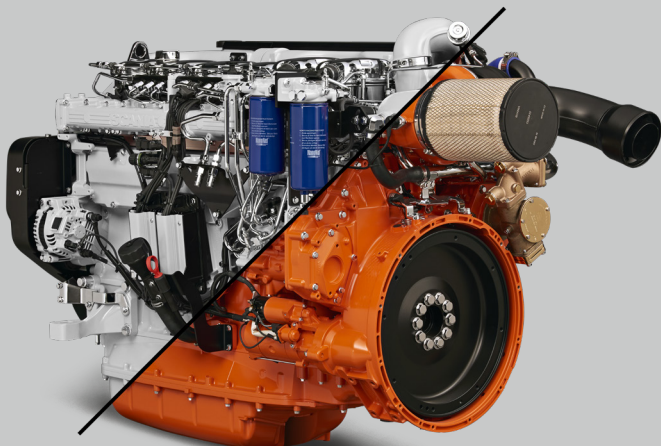
\*\* Excluding oil and coolant.

### 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 your local Scania market site.

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