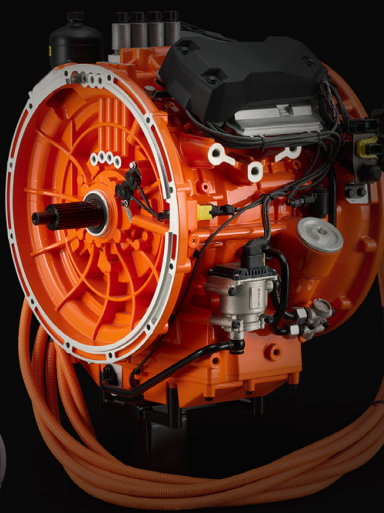
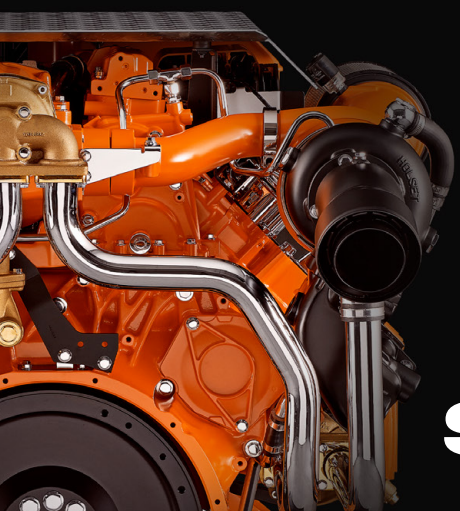
SCANIA POWER SOLUTIONS PRODUCT RANGE

For marine applications





SCANIA

ENGINE RANGE
GENERATION 2024

At sea, reliable performance and efficient operation aren't just desirable – they're essential. Scania's marine power solutions deliver exactly that, underpinned by over a century of engine expertise. Today, we produce around 100,000 engines each year, powering marine vessels, industrial equipment and power generation applications worldwide.

Our marine engines are meticulously engineered for the unique demands of maritime environments, offering exceptional reliability, fuel economy, and performance – even in the toughest conditions. Committed to driving sustainable maritime innovation, we are continuously expanding our range with electric and hybrid solutions, providing cleaner emissions and optimised efficiency tailored precisely to your needs.

With a global network of nearly 2,000 dealers ensuring outstanding parts availability and expert support, assistance is never far away. Scania keeps everything running smoothly, enabling you to concentrate fully on your marine operation.

Engine data 13-series

Marine propulsion engines

IMO Tier III compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm	
	kW	hp	kW	hp
DI13 511M	257	350	-	-
DI13 511M	294	400	-	-
DI13 511M	331	450	-	-
DI13 511M	368	500	368	500
DI13 511M	405	550	405	550
DI13 511M	441	600	441	600

Engines with keel cooling

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm	
	kW	hp	kW	hp
DI13 512M	257	350	-	-
DI13 512M	294	400	-	-
DI13 512M	331	450	-	-
DI13 512M	368	500	368	500
DI13 512M	405	550	405	550
DI13 512M	441	600	441	600

IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp	kW	hp
DI13 501M	294	400	-	-	-	-
DI13 501M	331	450	-	-	-	-
DI13 501M	368	500	-	-	-	-
DI13 501M	405	550	-	-	-	-
DI13 501M	441	600	-	-	-	-
DI13 503M	-	-	331	450	-	-
DI13 503M	-	-	368	500	-	-
DI13 503M	-	-	405	550	-	-
DI13 503M	-	-	441	600	-	-
DI13 503M	-	-	-	-	478	650
DI13 506M	-	-	-	-	441	600
DI13 506M	-	-	-	-	478	650
DI13 506M	-	-	-	-	515	700
DI13 506M	-	-	-	-	552	750

Engine type	Patrol craft long 2,300 rpm		Patrol craft short 2,300 rpm		Pleasure craft 2,300 rpm	
	kW	hp	kW	hp	kW	hp
DI13 507M	552	750	-	-	-	-
DI13 507M	588	800	-	-	-	-
DI13 507M	625	850	-	-	-	-
DI13 508M	552	750	-	-	-	-
DI13 508M	625	850	-	-	-	-
DI13 508M	662	900	-	-	-	-
DI13 508M	699	950	-	-	-	-
DI13 509M	-	-	699	950	-	-
DI13 509M	-	-	736	1000	-	-
DI13 509M	-	-	772	1050	-	-
DI13 510M	-	-	-	-	588	800
DI13 510M	-	-	-	-	699	950
DI13 510M	-	-	-	-	736	1,000
DI13 510M	-	-	-	-	772	1,050

Engines with keel cooling

Engine type	IFN 2,100 rpm	
	kW	hp
DI13 516M	441	600
DI13 516M	478	650
DI13 516M	515	700
DI13 516M	552	750

US Tier 3 compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm		Patrol long 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 501M	294	400	-	-	-	-	-	-
DI13 501M	331	450	-	-	-	-	-	-
DI13 501M	368	500	-	-	-	-	-	-
DI13 501M	405	550	-	-	-	-	-	-
DI13 501M	441	600	-	-	-	-	-	-
DI13 503M	-	-	331	450	-	-	-	-
DI13 503M	-	-	368	500	-	-	-	-
DI13 503M	-	-	405	550	-	-	-	-
DI13 503M	-	-	441	600	-	-	-	-
DI13 503M	-	-	-	-	478	650	-	-
DI13 504M	-	-	-	-	460	625	-	-
DI13 504M	-	-	-	-	478	650	-	-
DI13 504M	-	-	-	-	515	700	-	-
DI13 504M	-	-	-	-	552	750	-	-
DI13 505M	-	-	-	-	-	-	552	750
DI13 505M	-	-	-	-	-	-	588	800

US Tier 3 compliant engines for pleasure craft
Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm	
	kW	hp
DI13 502M	588	800
DI13 502M	662	900
DI13 502M	699	950

EU RCD Stage II compliant engines for pleasure craft
Engines with heat exchanger

Engine type	Pleasure craft 2,300 rpm	
	kW	hp
DI13 502M	588	800
DI13 502M	662	900
DI13 502M	699	950
DI13 510M	588	800
DI13 510M	699	950
DI13 510M	736	1,000
DI13 510M	772	1,050

Dimensions and weights of 13-litre marine propulsion engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight* kg (lb)
All	1,489 (58.6)	1,018 (40.8)	1,041 (41.0)	approx. 1,295 (2,855)

* Excluding oil and coolant.

Marine auxiliary engines

IMO Tier III compliant engines
Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 521M	301	344
DI13 521M	344	387
DI13 521M	373	373
DI13 521M	426	426
DI13 521M	468	468

Engines with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 522M	301	344
DI13 522M	344	387
DI13 522M	373	373
DI13 522M	426	426

IMO Tier II compliant engines
Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 520M	301	344
DI13 520M	344	387
DI13 520M	373	373
DI13 520M	426	468
DI13 520M	511	511
DI13 520M	511	553

Engines with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 520M	301	344
DI13 520M	344	387
DI13 520M	373	373
DI13 520M	426	468
DI13 520M	511	511
DI13 520M	511	553

Dimensions and weights of 13-litre marine auxiliary engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight* kg (lb)
All	1,489 (58.6)	1,018 (40.8)	1,041 (41.0)	approx. 1,295 (2,855)

* Excluding oil and coolant.

Ratings, propulsion engines

ICFN: Continuous service
Rated output is available 1 h/1 h. Unlimited h/year service time at a load factor of 100%.

IFN: Intermittent service
Intended for intermittent use where rated power is available for 1 h/3 h period. Accumulated load factor must not exceed 80% of rated power. Unlimited h/year service time.

Patrol craft long
Intended for intermittent use where rated power is available for 1 h/6 h period. Between full load operations, the engine rpm must be reduced by at least 10% from the max obtained rpm. Accumulated total service time max 2,000 h/year.

Patrol craft short
Intended for intermittent use where rated power is available for 1 h/12 h period. Between full load operations, the engine rpm must be reduced by at least 10% from the max obtained rpm. Accumulated total service time max 1,200 h/year.

Pleasure craft
Intended for intermittent use where rated power is available 1 h/20 h period. Accumulated load factor must not exceed 50% of rated power. Accumulated total service time max 500 h/year.

Rating, auxiliary engines

PRP: Prime power
For continuous operation and unlimited yearly operating time at varying load. Max mean load factor of 70% of rated power over 24 h of operation. 1 h/12 h period of overload to 110% load. Max 25 h accumulated service time above 100% load per year.

Type approval

The majority of our marine engines are type-approved by the leading classification associations. Contact your nearest Scania marine engine dealer for details.

ENGINE RANGE
GENERATION 2011

Engine data 9-series

Marine propulsion engines

IMO Tier II compliant engines

Engines with heat exchanger

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

Engines 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 9-litre marine propulsion 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.

Our 9-litre 2011 engine platform will be available for order until the end of 2026, naturally with years of continued support and spare parts availability thereafter.

Marine auxiliary engines

IMO Tier II compliant engines

Engines with heat exchanger

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

Engines with keel cooling

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

Engines without heat exchanger and water-cooled charge air cooler (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

Dimensions and weights of 9-litre marine auxiliary 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.

Our 9-litre 2011 engine platform will be available for order until the end of 2026, naturally with years of continued support and spare parts availability thereafter.

Engine data 13-series

Marine propulsion engines

IMO Tier III compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	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	–	–	–	-
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

Engines with keel cooling

Engine type	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
	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	–	–	–	-
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

IMO Tier II 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
DI13 070M	294	400	–	–	–	–	–	–	–	–
DI13 070M	331	450	–	–	–	–	–	–	–	–
DI13 070M	368	500	–	–	–	–	–	–	–	–
DI13 070M	405	550	–	–	–	–	–	–	–	–
DI13 072M	–	–	–	–	441	600	–	–	–	–
DI13 072M	–	–	–	–	478	650	478	650	–	–
DI13 076M	–	–	515	700	–	–	–	–	–	–
DI13 076M	–	–	–	–	–	–	607	825	–	–
DI13 076M	–	–	–	–	–	–	–	–	643	875
DI13 077M	–	–	–	–	–	–	515	700	–	–
DI13 077M	–	–	–	–	–	–	–	–	551	750
DI13 078M	–	–	280	380	–	–	–	–	–	–
DI13 078M	–	–	331	450	–	–	–	–	–	–
DI13 078M	–	–	368	500	–	–	–	–	–	–
DI13 078M	–	–	405	550	–	–	–	–	–	–
DI13 080M	162	220	–	–	–	–	–	–	–	–
DI13 080M	184	250	–	–	–	–	–	–	–	–
DI13 080M	221	300	–	–	–	–	–	–	–	–
DI13 080M	249	338	–	–	–	–	–	–	–	–
DI13 080M	257	350	–	–	–	–	–	–	–	–
DI13 080M	294	400	–	–	–	–	–	–	–	–
DI13 081M	162	220	–	–	–	–	–	–	–	–
DI13 081M	331	450	–	–	–	–	–	–	–	–
DI13 081M	368	500	–	–	–	–	–	–	–	–
DI13 087M	–	–	478	650	–	–	–	–	–	–
DI13 087M	–	–	515	700	–	–	–	–	–	–
DI13 087M	–	–	–	–	–	–	515	700	–	–
DI13 087M	–	–	–	–	–	–	552	750	–	–
DI13 087M	–	–	–	–	–	–	588	800	–	–

IMO Tier II compliant engines
Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		Patrol craft long 2,300 rpm	
	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	–	–
DI13 080M	162	220	–	–	–	–
DI13 080M	184	250	–	–	–	–
DI13 080M	221	300	–	–	–	–
DI13 080M	249	338	–	–	–	–
DI13 080M	257	350	–	–	–	–
DI13 080M	294	400	–	–	–	–
DI13 081M	162	220	–	–	–	–
DI13 081M	331	450	–	–	–	–
DI13 081M	368	500	–	–	–	–
DI13 088M	–	–	478	650	–	–
DI13 088M	–	–	–	–	515	700
DI13 088M	–	–	–	–	552	750

US Tier 3 compliant engines
Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		IFN 2,300 rpm		Patrol craft long 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 080M	184	250	–	–	–	–	–	–
DI13 080M	221	300	–	–	–	–	–	–
DI13 080M	257	350	–	–	–	–	–	–
DI13 080M	294	400	–	–	–	–	–	–
DI13 081M	331	450	–	–	–	–	–	–
DI13 081M	368	500	–	–	–	–	–	–
DI13 082M	–	–	331	450	–	–	–	–
DI13 082M	–	–	368	500	–	–	–	–
DI13 083M	–	–	405	550	–	–	–	–
DI13 083M	–	–	441	600	–	–	–	–
DI13 085M	–	–	–	–	478	650	–	–
DI13 086M	–	–	–	–	441	600	–	–
DI13 086M	–	–	–	–	–	–	496	675
DI13 087M	–	–	478	650	–	–	–	–
DI13 087M	–	–	515	700	–	–	–	–
DI13 087M	–	–	–	–	–	–	515	700
DI13 087M	–	–	–	–	–	–	552	750
DI13 087M	–	–	–	–	–	–	588	800

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		IFN 2,300 rpm		Patrol craft long 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp
DI13 080M	184	250	–	–	–	–	–	–
DI13 080M	221	300	–	–	–	–	–	–
DI13 080M	257	350	–	–	–	–	–	–
DI13 080M	294	400	–	–	–	–	–	–
DI13 081M	331	450	–	–	–	–	–	–
DI13 081M	368	500	–	–	–	–	–	–
DI13 082M	–	–	331	450	–	–	–	–
DI13 082M	–	–	368	500	–	–	–	–
DI13 083M	–	–	405	550	–	–	–	–
DI13 083M	–	–	441	600	–	–	–	–
DI13 085M	–	–	–	–	478	650	–	–
DI13 088M	–	–	478	650	–	–	–	–
DI13 088M	–	–	–	–	–	–	515	700
DI13 088M	–	–	–	–	–	–	552	750

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

China Marine Phase II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm		IFN 2,300 rpm		Patrol craft long 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	–	–	–	–	–	–
DI13 082M	–	–	331	450	–	–	–	–
DI13 082M	–	–	368	500	–	–	–	–
DI13 083M	–	–	405	550	–	–	–	–
DI13 083M	–	–	441	600	–	–	–	–
DI13 086M	–	–	–	–	441	600	–	–
DI13 086M	–	–	–	–	–	–	496	675

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DI13 080M	257	350	–	–
DI13 080M	294	400	–	–
DI13 081M	331	450	–	–
DI13 081M	368	500	–	–
DI13 082M	–	–	331	450
DI13 082M	–	–	368	500
DI13 083M	–	–	405	550
DI13 083M	–	–	441	600

EU RCD Stage II 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

Dimensions and weights of 13-litre marine propulsion engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight* kg (lb)
DI13 070/072/078/080/081/ 082/083/086/092/095/096M with heat exchanger	1,529 (60.2)	994 (39.1)	1,174 (46.2)	approx. 1,285 (2,833)
DI13 077M with heat exchanger	1,562 (61.5)	994 (39.1)	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	1,562 (61.5)	993 (39.1)	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.

Our 13-litre 2011 engine platform will be available for order until the end of 2026, naturally with years of continued support and spare parts availability thereafter.

Marine auxiliary engines

IMO Tier III compliant engines

Engines with heat exchanger

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

Engines 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

IMO Tier II compliant engines

Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 074M	285	285
DI13 074M	323	323
DI13 074M	323	376
DI13 074M	376	426
DI13 074M	426	426

Engines with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 075M	285	285
DI13 075M	323	323
DI13 075M	323	376
DI13 075M	376	426
DI13 075M	426	426

Engines without heat exchanger and water-cooled charge air cooler (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

US Tier 3 compliant engines

Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI13 084M	–	269
DI13 084M	–	323
DI13 084M	–	376
DI13 084M	–	426

Engines 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

Dimensions and weights of 13-litre marine auxiliary engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight* kg (lb)
DI13 074/084/089/091M with heat exchanger	1,529 (60.2)	994 (39.1)	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)

* Excluding oil and coolant.

Our 13-litre 2011 engine platform will be available for order until the end of 2026, naturally with years of continued support and spare parts availability thereafter.

Engine data 16-series

Marine propulsion engines

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 a certified aftertreatment system.
Otherwise IMO Tier II compliant.

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

* IMO Tier III compliant when using a certified aftertreatment system.
Otherwise IMO Tier II compliant.

IMO Tier II compliant engines

Engines with heat exchanger

Engine type	ICFN 1,800 rpm		IFN 2,300 rpm		Patrol long 2,300 rpm		Patrol short 2,300 rpm		Pleasure 2,300 rpm	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
DI16 077M*	–	–	662	900	662	900	–	–	–	–
DI16 077M*	–	–	–	–	–	–	736	1,000	–	–
DI16 080M	221	300	–	–	–	–	–	–	–	–
DI16 080M	257	350	–	–	–	–	–	–	–	–
DI16 080M	294	400	–	–	–	–	–	–	–	–
DI16 080M	331	450	–	–	–	–	–	–	–	–
DI16 080M	405	550	–	–	–	–	–	–	–	–
DI16 080M	460	625	–	–	–	–	–	–	–	–
DI16 080M	515	700	–	–	–	–	–	–	–	–
DI16 093M	–	–	–	–	–	–	–	–	882	1,200

* Optimised for water jet applications. Not intended for conventional propeller use.

Engines with keel cooling

Engine type	ICFN 1,800 rpm	
	kW	hp
DI16 071M	405	550
DI16 071M	460	625
DI16 080M	221	300
DI16 080M	257	350
DI16 080M	294	400
DI16 080M	331	450
DI16 080M	405	550
DI16 080M	460	625
DI16 080M	515	700

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	
	kW	hp	kW	hp	kW	hp
DI16 080M	405	550	–	–	–	–
DI16 080M	460	625	–	–	–	–
DI16 080M	515	700	–	–	–	–
DI16 081M	–	–	477	650	–	–
DI16 081M	–	–	515	700	–	–
DI16 082M	–	–	588	800	–	–
DI16 083M	–	–	–	–	588	800

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DI16 080M	405	550	–	–
DI16 080M	460	625	–	–
DI16 080M	515	700	–	–
DI16 081M	–	–	477	650
DI16 081M	–	–	515	700
DI16 082M	–	–	588	800

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

China Marine Phase 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	
	kW	hp	kW	hp	kW	hp	kW	hp
DI16 080M	405	550	–	–	–	–	–	–
DI16 080M	460	625	–	–	–	–	–	–
DI16 080M	515	700	–	–	–	–	–	–
DI16 081M	–	–	477	650	–	–	–	–
DI16 081M	–	–	515	700	–	–	–	–
DI16 082M	–	–	588	800	–	–	–	–
DI16 083M	–	–	–	–	588	800	–	–
DI16 083M	–	–	–	–	–	–	625	850
DI16 083M	–	–	–	–	–	–	662	900

Engines with keel cooling

Engine type	ICFN 1,800 rpm		IFN 2,100 rpm	
	kW	hp	kW	hp
DI16 080M	405	550	–	–
DI16 080M	460	625	–	–
DI16 080M	515	700	–	–
DI16 081M	–	–	477	650
DI16 081M	–	–	515	700
DI16 082M	–	–	588	800

EU RCD Stage II 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

Dimensions and weights of 16-litre marine propulsion 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, classifed engine	1,609 (63)	1,270 (50)	1,234 (49)	approx. 1,660 (3,657)

* Excluding oil and coolant.

Marine auxiliary engines

IMO Tier III compliant engines

Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI16 091M	430	468
DI16 091M	450	511
DI16 091M	480	553

Engines with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI16 091M	430	468
DI16 091M	450	511
DI16 091M	480	553

IMO Tier III compliant engines*

Engines with heat exchanger

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

* IMO Tier III compliant when using a certified aftertreatment system.
Otherwise IMO Tier II compliant.
** At 1,800 rpm: only IMO Tier II compliant.

Engines 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

* IMO Tier III compliant when using a certified aftertreatment system.
Otherwise IMO Tier II compliant.
** At 1,800 rpm: only IMO Tier II compliant.

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

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

US Tier 3 compliant engines

Engines with heat exchanger

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI16 084M	-	468

Engines with keel cooling

Engine type	1,500 rpm PRP	1,800 rpm PRP
	kW	kW
DI16 084M	-	468

Dimensions and weights of 16-litre marine auxiliary 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.

ELECTRIFIED POWER SYSTEMS

Electric machine

For hybrid or fully electric use

Type designation	kW continuous*	kW peak*
	2,100 rpm	1,400 rpm
EM 501M	150	210
EM 502M	180	240
EM 503M	200	270
EM 505M	230	295

* At nominal voltage (650 V).

Dimensions and weight of electric machine

Type designation	L mm (in)	W mm (in)	H mm (in)	Weight* kg (lb)
All	495 (19.5)	660 (26.0)	705 (27.8)	approx. 263 (580)

* Excluding oil, including inverter

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