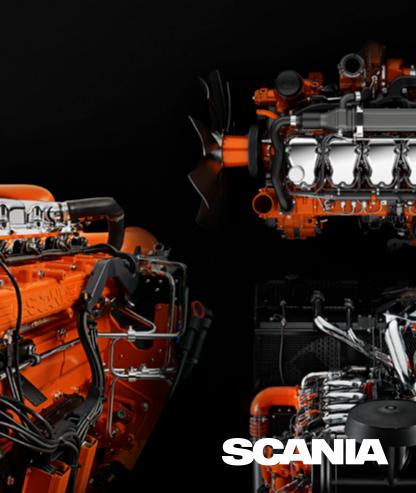


# ENGINE RANGE

For marine, industrial, and power generation applications





## Marine engine range

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# Industrial engine range

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# Power generation engine range

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# 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.

With outstanding parts availability and close to 2,000 dealers worldwide, assistance is always close at hand. We maximise your uptime so that you can focus on what matters – your operation.



### **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 1,8	300 rpm	IFN 2,100 rpm		
Engine type	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)

<sup>\*\*</sup> 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)

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

<sup>\*</sup> 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)

<sup>\*\*</sup> 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	IC 2,100		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

Ŭ	· ·								
Engine type	_	ICFN B00 rpm 2		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	

<sup>\* 2,300</sup> 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

		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	1,800	FN ) rpm		N rpm		raft long O rpm		raft short O 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	1,800	FN ) rpm	2,100	N rpm		raft long 0 rpm		raft short O 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	1,800	FN ) rpm	1F 2,100	N rpm		raft long 0 rpm		raft short O 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		FN ) 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	-	-

<sup>\*</sup> 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		FN ) 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		FN ) 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)

<sup>\*\*</sup> 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		
Eligilie type	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		

 $<sup>^{\</sup>ast}\,\text{EU}$  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		
Engine type	kW	kW		
DI13 075M	323	374		
DI13 075M	374	426		
DI13 075M	426	426		

 $<sup>\</sup>ensuremath{^{*}}\xspace$  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
Eligilie type	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

Familia a troma	1,500 rpm PRP	1,800 rpm PRP				
Engine type	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)

<sup>\*\*</sup> 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		ol long O 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

<sup>\*</sup> 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			raft long O 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

<sup>\*</sup> 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			raft long O 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			raft long O 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			raft long 0 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			-N O rpm		raft long 0 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	-	-

<sup>\*</sup> 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 ci 2,300		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		FN O 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, classifed engine	1,609 (63)	1,270 (50)	1,234 (49)	approx. 1,660 (3,657)

<sup>\*\*</sup> 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	
Engine type	kW	kW	
DI16 074M	430	468	
DI16 074M	450	511	
DI16 074M	480	553	
DI16 074M	511	596	

<sup>\*</sup> 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

Facina tuna	1,500 rpm PRP	1,800 rpm PRP
Engine type	kW	kW
DI16 075M	430	468
DI16 075M	450	511
DI16 075M	480	553
DI16 075M	511	596

<sup>\*</sup> 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

Facina tuna	1,500 rpm PRP	1,800 rpm PRP		
Engine type	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		

<sup>\*</sup> IMO Tier III compliant when using aftertreatment system from external supplier.

#### 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)

<sup>\*\*</sup> 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.

<sup>\*\*</sup> IMO Tier II compliant only.

# INDUSTRIAL ENGINE RANGE



## **Engine data 9-series**

#### EU Stage V and Korean Tier 5 compliant engines

Frainc turns	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
Engine type	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 V (RLL-v/c-1) compliant engine for locomotives

Fueine tune	ICFN 2,	100 rpm	IFN 2,100 rpm		
Engine type	kW	hp	kW	hp	
DC09 327A	-	-	294	400	

#### EU Stage IV and US Tier 4f compliant engines

F	ICFN 1,800 rpm		ICFN 2,	100 rpm	IFN 2,100 rpm	
Engine type	kW	hp	kW	hp	kW	hp
DC09 084A	-	-	202	275	-	-
DC09 085A	-	-	232	315	-	-
DC09 085A	-	-	243	330	-	-
DC09 085A	-	-	257	350	-	-
DC09 086A	-	-	-	-	276	375
DC09 086A	-	-	-	-	294	400
DC09 089A	237	322	-	-	-	-

#### China Stage IV compliant engines

For advantage	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 2,100 rpm	
Engine type	kW	hp	kW	hp	kW	hp
DC09 330A	202	275	-	-	-	-
DC09 330A	240	326	-	-	-	-
DC09 331A	202	275	-	-	-	-
DC09 331A	214	291	-	-	-	-
DC09 331A	240	326	-	-	-	-
DC09 332A	-	-	202	275	-	-
DC09 332A	-	-	232	315	-	-
DC09 333A	-	-	257	350	-	-
DC09 333A	-	-	-	-	276	375
DC09 333A	-	-	-	-	294	400

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

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

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

Funing tune	ICFN 2,	100 rpm	IFN 2,1	00 rpm
Engine type	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-litre engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC09 310/311/312/313/327/ 330/331/332/333A	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 074/076A	1,242 (48.9)	842 (33.1)	1,119 (44.1)	approx. 950 (2,094)

<sup>\*\*</sup> Excluding oil and coolant.

## **Engine data 13-series**

#### EU Stage V and Korean Tier 5 compliant engines

_			_			
For all to a decorate	ICFN 1,	ICFN 1,800 rpm		ICFN 2,100 rpm		00 rpm
Engine type	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 312A	-	-	331	450	-	-
DC13 313A	-	-	-	-	368	500
DC13 313A	-	-	-	-	405	550
DC13 314A*	-	-	-	-	405	550

 $<sup>\</sup>ensuremath{^{*}}$  Engine for fire and emergency applications. Complies with EU Stage V only.

#### EU Stage V (RLL-v/c-1) compliant engine for locomotives

Facina tuna	ICFN 2,	100 rpm	IFN 2,1	00 rpm
Engine type	kW	hp	kW	hp
DC13 327A	_	-	405	550

#### EU Stage IV and US Tier 4f compliant engines

Fasina tura	ICFN 1,8	ICFN 1,800 rpm		ICFN 2,100 rpm		IFN 1,900 rpm		IFN 2,100 rpm	
Engine type	kW	hp	kW	hp	kW	hp	kW	hp	
DC13 084A	-	-	294	400	-	-	-	-	
DC13 084A	-	-	331	450	-	-	-	-	
DC13 085A	-	-	-	-	-	-	368	500	
DC13 085A	-	-	-	-	405	550	-	-	
DC13 086A*	-	-	-	-	405	550	-	-	
DC13 087A	257	350	-	-	-	-	-	-	
DC13 087A	283	385	-	-	-	-	-	-	
DC13 087A	-	-	257	350	-	-	-	-	

<sup>\*</sup> Engine for fire and emergency applications.

#### China Stage IV compliant engines

F	ICFN 1,8	300 rpm	ICFN 2,100 rpm		IFN 2,100 rpm	
Engine type	kW	hp	kW	hp	kW	hp
DC13 330A	257	350	-	-	-	-
DC13 330A	283	385	-	-	-	-
DC13 330A	294	400	-	-	-	-
DC13 331A	257	350	-	-	-	-
DC13 331A	294	400	-	-	-	-
DC13 332A	-	-	294	400	-	-
DC13 332A	331	450	-	-	-	-
DC13 332A	-	-	331	450	-	-
DC13 333A	368	500	-	-	-	-
DC13 333A	-	-	-	-	368	500
DC13 333A	-	-	-	-	405	550

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

Fueine tune	ICFN 2,	100 rpm	IFN 2,1	00 rpm
Engine type	kW	hp	kW	hp
DC13 076A	257	350	-	-
DC13 076A	294	400	-	-
DC13 076A	-	-	331	450

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

Fueine tune	ICFN 2,	100 rpm	IFN 2,1	00 rpm
Engine type	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,	N 2,100 rpm IFN 2,10		ICFN 2,100 rpm IFN 2,100 rpm		00 rpm
Eligilie type	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 Scania Latin American market.

#### Dimensions and weights of industrial 13-litre engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC13 310/311/312/313/327/ 330/331/332/333A	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 and Korean Tier 5 compliant engines

Casina tuna	ICFN 1,9	ICFN 1,900 rpm		ICFN 2,100 rpm		IFN 1,900 rpm	
Engine type	kW	hp	kW	hp	kW	hp	
DC16 316A	405	550	-	-	-	-	
DC16 316A	450	612	-	-	-	-	
DC16 316A	-	-	-	-	478	650	
DC16 317A	-	-	405	550	-	-	
DC16 317A	-	-	450	612	-	-	
DC16 317A	-	-	478	650	-	-	
DC16 317A	-	-	-	-	522	710	
DC16 318A*	-	-	-	-	522	710	

<sup>\*</sup> Engine for fire and emergency applications.

#### **EU Stage V compliant engines**

Fu alian tama	ICFN 2,	ICFN 2,100 rpm		ICFN 1,900 rpm		00 rpm
Engine type	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
DC16 386A	-	-	-	-	566	770

<sup>\*</sup> Engine for fire and emergency applications.

#### EU Stage IV and US Tier 4f compliant engines

Engine type	ICFN 2,	100 rpm	IFN 2,100 rpm		
	kW	hp	kW	hp	
DC16 084A	405	550	-	-	
DC16 084A	441	600	-	-	
DC16 084A	478	650	-	-	
DC16 084A	-	-	493	670	
DC16 085A*	-	-	566	770	
DC16 091A**	405	550	-	-	
DC16 091A**	-	-	493	670	

<sup>\*</sup> 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.

#### **US Tier 4f compliant engines**

Engine type	ICFN 2,	100 rpm	IFN 2,000 rpm		
	kW	hp	kW	hp	
DC16 084A	441	600	-	-	
DC16 092A*	-	-	566	770	

<sup>\*</sup> Engine for fire and emergency applications.

#### Euro 5 compliant engines

Engine type	ICFN 2,	100 rpm	IFN 2,100 rpm		
	kW	hp	kW	hp	
DC16 094A*	-	-	522	710	

<sup>\*</sup> Engine for fire and emergency applications.

#### EU Stage V (RLL-v/c-1) compliant engine for locomotives

Engine type	ICFN 2,0	000 rpm	IFN 2,000 rpm		
	kW	hp	kW	hp	
DC16 092A	-	-	555	755	

#### China Stage IV compliant engines

Engine type	ICFN 2,	ICFN 2,100 rpm		ICFN 1,900 rpm		IFN 1,900 rpm	
	kW	hp	kW	hp	kW	hp	
DC16 336A	-	-	405	550	-	-	
DC16 336A	-	-	450	612	-	_	
DC16 336A	-	-	-	-	478	650	
DC16 337A	405	550	-	-	-	_	
DC16 337A	450	612	-	-	-	-	
DC16 337A	478	650	-	-	-	-	
DC16 337A	-	-	-	-	522	710	
DC16 338A*	-	-	-	-	522	710	

<sup>\*</sup> Engine for fire and emergency applications.

#### China Stage 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 Stage III and India Bharat Stage III compliant engines

Engine type	ICFN 1,9	900 rpm	IFN 1,900 rpm		
	kW	hp	kW	hp	
DC16 076A	368	500	-	-	
DC16 076A	-	-	405	550	
DC16 076A	-	-	425	578	

#### China Stage III compliant engines

Fueine tune	ICFN 2,	100 rpm	IFN 2,100 rpm		
Engine type	kW	hp	kW	hp	
DC16 088A	-	-	574	780	

<sup>\*\*</sup> Engine for fire and emergency applications.

#### Fuel-optimised, non-compliant engines

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

#### **US Tier 3 compliant engines**

Engine type	IFN 1,9	00 rpm	IFN 2,000 rpm		
	kW	hp	kW	hp	
DC16 087A*	-	-	515	700	
DC16 087A*	551	750	-	-	

<sup>\*</sup> Engine for fire and emergency applications.

#### Dimensions and weights of industrial 16-litre engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC16 074/076A	1,345 (53)	1,096 (43.1)	1,205 (47.4)	approx. 1,340 (2,954)
DC16 084/087/091/094A	1,410 (55.5)	1,199 (47.2)	1,289 (50.8)	approx. 1,375 (3,031)
DC16 085/086/092/385/386A	1,315 (51.8)	1,126 (44.3)	1,207 (47.5)	approx. 1,340 (2,954)
DC16 313/314A	1,572 (61.9)	1,126 (44.3)	1,297 (51.1)	approx. 1,361 (3,000)
DC16 316/317/318/336/337/338A	1,409 (55.5)	1,198 (47.2)	1,288 (50.7)	approx. 1,381 (3,045)

<sup>\*\*</sup> Excluding oil and coolant.



## **Engine data 9-series**

#### EU Stage V compliant engines

	1,500 rpm (50 Hz)			1,800 rpm (60 Hz)				
Engine type	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	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**

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	PRP		ESP		PRP		ESP		
	kW	kVA	kW	kVA	kW	kVA	kW	kVA	
DC09 085A	-	-	-	-	234	260	-	-	
DC09 086A	-	-	-	-	268	300	-	-	

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

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	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	-	-	

<sup>\*</sup> Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

#### EU Stage II and China Stage II compliant engines

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	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

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	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-litre 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)

<sup>\*\*</sup> Excluding oil and coolant.

## **Engine data 13-series**

#### **EU Stage V compliant engines**

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	PRP		ESP		PRP		ESP		
	kW	kVA	kW	kVA	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**

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	PRP		ESP		PRP		ESP		
	kW	kVA	kW	kVA	kW	kVA	kW	kVA	
DC13 084A	-	-	-	-	301	330	-	-	
DC13 085A	-	-	-	-	335	370	-	-	
DC13 085A	-	-	-	-	370	410	-	-	

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

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

<sup>\*</sup> Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

#### EU Stage II and China Stage II compliant engines

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	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

		1,500 rpr	n (50 Hz)			1,800 rpr	m (60 Hz)	
Engine type	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	423	480	465	535	443	500	487	552
DC13 093A	423	480	465	535	485	550	534	607
DC13 093A	423	480	465	535	499	566	549	625
DC13 093A	423	480	465	535	528	600	580	662

<sup>\*</sup> Note: This engine is only available in the Scania Latin American market.

#### Dimensions and weights of power generation 13-litre 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)

<sup>\*\*</sup> Excl. oil and coolant

## **Engine data 16-series**

#### **EU Stage V compliant engines**

		1,500 rpr	n (50 Hz)		1,800 rpm (60 Hz)				
Engine type	PRP		ESP		PRP		ESP		
	kW	kVA	kVA kW kVA		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**

	1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
Engine type	PRP		ESP		PRP		ESP	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA
DC16 084A	-	-	-	-	367	400	-	-
DC16 084A	-	-	-	-	436	480	-	-
DC16 084A	-	-	-	-	448	500	-	-

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

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

<sup>\*</sup> Mass Emission & Smoke Norms for Genset Diesel Engine, up to 800 kW (for India).

#### Fuel-optimised, non-compliant engines

		1,500 rpm (50 Hz)				1,800 rpm (60 Hz)			
Engine type	PI	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 078A	644	725	706	800	640	725	702	800	
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	

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

#### Gas engine OC16

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

<sup>\*</sup> For natural gas.

#### Dimensions and weights of power generation 16-litre engines

Engine type	L mm (in)	W mm (in)	H mm (in)	Weight** kg (lb)
DC16 320A	1,572 (61.9)	1,126 (44.3)	1,297 (51.1)	approx. 1,361 (3,000)
DC16 071A	1,324 (52.1)	1,127 (44.4)	1,288 (50.7)	approx. 1,340 (2,954)
DC16 072/078A	1,315 (51.8)	1,126 (44.3)	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	1,345 (53.0)	1,096 (43.1)	1,205 (47.4)	approx. 1,340 (2,954)
OC16 071A	2,021 (79.6)	1,316 (51.8)	1,754 (69.1)	approx. 1,352 (2,980)

<sup>\*\*</sup> Excluding oil and coolant.

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.

<sup>\*\*</sup> For biogas.

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