



SCANIA DIESEL
ENGINES MADE IN GERMANY

Product range

29 MAY 2015

DIESEL ENGINES FOR SHIP'S PROPULSION

Type	Number of cylinders	Cylinder diameter (mm)	Stroke (mm)	Rated speed (rpm)	Cylinder bore (mm)	Power stroke (mm)	B. m. s. p.	Power speed (rpm)	Rated oil consumption (liters/h)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
6VD 8018 ML-2	6	80	150	1500	150	150	15.00	9.00	150	1500	1200	1500	2400
6VD 8018 ML-3	6	80	150	1500	150	150	15.00	10.00	150	1500	1200	1500	2400
6VD 8018 ML-3	6	80	150	1500	150	150	15.00	9.00	150	1500	1210	1500	2400
6VD 8018 ML-3	6	80	150	1500	150	150	15.00	10.00	150	1500	1210	1500	2400
6VD 3418 ML-1	6	84	150	1500	150	150	15.00	9.00	200	1500	1210	2000	4300
6VD 3418 ML-1	6	84	150	1500	150	150	15.00	9.00	200	1500	1210	2000	4300
6810 48 AL-2U	6	78	128	1500	150	150	9.00	9.00	150	1700	1200	2000	2000
6810 48 AL-2U	6	88	128	1500	150	150	10.00	9.00	150	1700	1200	2000	2000
6810 48 AL-2U	6	80	128	1500	150	150	9.00	9.00	150	1700	1200	2000	24700
6810 48 AL-2U	6	78	128	1500	150	150	10.00	9.00	150	1700	1200	2000	24700
6VD 2620 ML-1	6	80	150	1500	150	150	13.00	9.00	150	1700	1300	2100	3000
6VD 2620 ML-3	6	80	150	1500	150	150	14.00	9.00	150	1700	1300	2100	3000
6VD 2620 ML-3	6	80	150	1500	150	150	14.00	9.00	150	1700	1300	2100	3000
6VD 2624 ML-2	6	80	150	1500	150	150	13.00	7.25	150	1500	1300	2020	12100
6VD 2624 ML-2	6	80	150	1500	150	150	14.00	9.00	150	1500	1300	2020	12100
6VD 2624 ML-2	6	80	150	1500	150	150	14.00	7.25	150	1500	1300	2020	14000
6VD 2624 ML-2	6	80	150	1500	150	150	14.00	9.00	150	1500	1300	2020	14000
6VD 2624 ML-2	6	80	150	1500	150	150	14.00	7.25	150	1500	1300	2020	14000
6VD 2624 ML-2	6	80	150	1500	150	150	14.00	9.00	150	1500	1300	2020	14000

Power Generation Dept.



VE 18/18 RL-2
VE 24/18 RL-1



VE 20/20 RL-2



MDI 18 RL-23



VE 20/24 RL-2

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SKAL DIESEL
ENGINES MADE IN GERMANY

Product range

TRADITION AND INNOVATION

SKL Magdeburg continues to follow its tradition of developing and manufacturing robust Diesel engines featured by a long service life and high economy.

SKL Diesel engines and generating sets are used in a broad range of applications: They serve not only as main propulsion units for fishing boats, inland and coastal navigation, but also as safe power-generating sets for continuous duty on board of vessels and on land, as emergency sets, and not least in Mink-type thermal power stations with combined-cycle operation ...



Simple operation, robust construction, combined with proven reliability, are features which are demonstrated by countless SKL engines in daily use in more than 50 countries all over the world. Our specialists and agents in Europe, Asia, Africa and America ensure worldwide service and supply of spare parts.

Based on the marine-engine design, SKL has applied all its know-how to develop gas engines in order to enable the use of alternative energy sources, too.

SKL DIESEL



DIESEL ENGINES FOR SHIP'S PROPULSION



KW Continuous output of engine

r.p.m. Rated speed

Type

450	1,500	6 V/D 18/16 AL
540	1,800	6 V/D 18/16 AL



700	420	6 NVD 46 A-2L
800	420	6 NVD 46 AL-3
970	420	6 NVD 46 A-2L
1,100	420	6 NVD 46 AL-3



530	1,000	6 V/D 26/20 AL
660	1,000	6 V/D 26/20 AL
800	1,000	6 V/D 26/20 AL



900	750	6 V/D 26/24 AL
1,000	750	6 V/D 26/24 AL
1,000	1,000	6 V/D 26/24 AL
1,200	1,000	6 V/D 26/24 AL
1,320	1,000	6 V/D 26/24 AL
1,350	750	6 V/D 26/24 AL
1,350	1,000	6 V/D 26/24 AL
1,550	1,000	6 V/D 26/24 AL
1,800	1,000	6 V/D 26/24 AL

Number of cylinders	Cylinder bore	Stroke stroke	Heavy-duty suitability	Starting system	Length	Width	Height	Weight
mm	mm	mm/2	mm/2	mm	mm	mm	mm	kg
6	100	100	100	E/L	2,380	1,276	1,900	2,400
6	100	100	100	E/L	2,380	1,276	1,900	2,400

6	320	460	100	L	5,195	1,763	2,637	30,000
6	320	460	100	L	5,195	1,763	2,637	30,000
6	320	460	100	L	6,115	1,763	2,637	34,700
6	320	460	100	L	6,115	1,763	2,637	34,700

6	200	250	180	L	3,390	1,308	2,180	8,685
6	200	250	180	L	3,390	1,308	2,180	8,685
6	200	250	180	L	4,130	1,308	2,180	10,500

6	240	290	700	L	4,890	1,508	2,625	12,100
6	240	290	700	L	4,890	1,508	2,625	12,100
6	240	290	700	L	4,550	1,508	2,625	12,100
6	240	290	700	L	4,550	1,508	2,625	12,100
6	240	290	700	L	4,890	1,508	2,625	14,500
6	240	290	700	L	4,890	1,508	2,625	14,500
6	240	290	700	L	5,430	1,508	2,625	14,500
6	240	290	700	L	5,430	1,508	2,625	14,500

Explanations:
 Operating conditions acc. to DIN 5071.
 10% overload for one hour within a period of 6 hours.

E = electric starting
 L = air starting

DIESEL GENERATING SETS FOR MARINE AND LAND APPLICATION



KVA	Speed r.p.m.	Type	Continuous power of set
			kVA
625	1,500	6 VD 16/16 AL-	
640	1,800	6 VD 16/16 AL-	



680	1,800	6 VD 20/20 AL-	
750	1,800	6 VD 20/20 AL-	
1,080	1,800	6 VD 20/20 AL-	
675	900	6 VD 20/20 AL-	
925	900	6 VD 20/20 AL-	



1,050	1,000	6 VD 29/24 AL-	
1,300	1,000	6 VD 29/24 AL-	
1,480	1,000	6 VD 29/24 AL-	
1,550	1,000	6 VD 29/24 AL-	
1,700	1,000	6 VD 29/24 AL-	
1,900	1,000	6 VD 29/24 AL-	
2,100	1,000	6 VD 29/24 AL-	
1,150	900	6 VD 29/24 AL-	
1,300	900	6 VD 29/24 AL-	
1,400	900	6 VD 29/24 AL-	
1,550	900	6 VD 29/24 AL-	
1,700	900	6 VD 29/24 AL-	
1,900	900	6 VD 29/24 AL-	

Explanation:

Operating conditions acc. to ISO 8071.

50% overload for one hour within a period of 6 hours. Dimensions and weights are not taking on the generating sets can be delivered with generators of different types.

I = indirect cooling
R = radiator cooling

Hz	Frequency	KW	Continuous output of engine	mm ³ /g	Heavy oil suitability	SPR	Cooling system	mm	Length	mm	Width	mm	Height	kg	Weight
40	480	180		SPR		3,400		1,278		2,188		5,218			
50	540	180		SPR		3,400		1,278		2,188		5,218			

40	520	180	1	4,505	1,738	2,634	12,800
50	582	180	1	4,505	1,738	2,634	13,350
50	583	180	1	5,300	1,738	2,634	16,250
40	580	180	1	4,505	1,738	2,634	13,500
40	790	180	1	5,300	1,738	2,634	16,800

50	690	790	1	5,580	1,500	2,825	17,100
40	1,100	790	1	5,580	1,500	2,825	17,100
40	1,200	790	1	5,715	1,500	2,825	17,500
50	1,320	790	1	5,715	1,500	2,825	17,500
50	1,420	790	1	6,680	1,500	2,825	21,300
40	1,585	790	1	6,685	1,500	2,825	21,800
40	1,780	790	1	6,685	1,500	2,825	21,800
50	980	790	1	5,580	1,500	2,825	17,100
40	1,130	790	1	5,580	1,500	2,825	17,100
40	1,180	790	1	5,715	1,500	2,825	17,500
50	1,320	790	1	6,680	1,500	2,825	21,300
50	1,425	790	1	6,685	1,500	2,825	21,800
50	1,585	790	1	6,685	1,500	2,825	21,800



GENERATING SETS USING ALTERNATIVE FUELS

Continuous power of set	Speed	Type of engine	Frequency	Continuous output of the gas engine	Gas consumption	Indirect cooling	Length	Width	Height	Weight
kVA	r.p.m.		Hz	kW	kg/h		mm	mm	mm	kg
125	1,500	6 VCG 14.5/12AL-1	50	110	10.8	1	2,800	1,100	1,700	2,100
150	1,000	6 VCG 21/15-1	50	120	11.0	1	3,100	1,200	2,120	4,000
250	1,500	6 VCG 18/16-1	50	220	10.8	1	3,500	1,250	1,850	4,100
375	1,500	6 VCG 18/16 AL-1	50	310	10.5	1	3,700	1,300	1,900	4,200
650	1,000	6 VCG 46/32 AL-1	50	550	9.5	1	6,100	1,840	3,450	34,000
875	1,000	6 VCG 46/32 AL-1	50	740	9.5	1	7,300	1,840	3,450	30,000

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