VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

General

In-line four stroke diesel engine with direct injection. Rotation direction, anti-clockwise viewed towards flywheel. Turbocharged

Number of cylinders			6
Displacement, total		litre in^3	12,78 779,7
Firing order			1-5-3-6-2-4
Bore		mm in	131 5,16
Stroke		mm in	158 6,22
Compression ratio			18.5
Dry weight	Engine only, excluding cooling system	kg lb	1500 3307
	Genset, see dimension drawing	kg lb	

Performance		**rpm** **load**	**1500** **25%**	**50%**	**75%**	**100%**	**110%**
Power setting 360 kW	with fan	kW hp	90 122	180 245	270 367	360 490	396 539
	with fan 890 mm	kW hp	79 107	169 230	259 352	349 475	385 524
Torque at:	Power setting 360 kW	Nm lbft	573 423	1146 845	1719 1268	2292 1690	2521 1859
Mean piston speed		m/s ft/sec			7,9 26,0		
Effective mean pressure at:	Power setting 360 kW	MPa psi	0,6 82	1,1 163	1,7 245	2,3 327	2,5 360
Max combustion pressure at:	Power setting 360 kW	MPa psi	8,5 1233	11,2 1624	15,4 2234	18,9 2741	20,1 2915
Total mass moment of inertia, J (mR^2) Engine only		kgm^2 $lbft^2$			3,43 81,4		
Friction Power		kW hp	32 43	32 43	32 43	32 43	32 43
If applicable Derating are described in Technical Diagrams							

Performance		**rpm** **load**	**1800** **25%**	**50%**	**75%**	**100%**	**110%**
Power setting 400 kW	without fan	kW hp	100 136	200 272	300 408	400 544	440 598
	with fan 890 mm	kW hp	81 110	181 246	281 382	381 518	421 573
Torque at:	Power setting 400 kW	Nm lbft	531 391	1061 783	1592 1174	2122 1565	2334 1722
Mean piston speed		m/s ft/sec			9,5 31,2		
Effective mean pressure at:	Power setting 400 kW	MPa psi	0,5 76	1,0 151	1,6 227	2,1 303	2,3 333
Max combustion pressure at:	Power setting 400 kW	MPa psi	8,7 1262	12,2 1769	15,5 2248	20 2901	20,8 3017
Total mass moment of inertia, J (mR^2) Engine only		kgm^2 $lbft^2$			3,43 81,4		
Friction Power		kW hp	45 61,2	45 61,2	45 61,2	45 61,2	45 61,2
If applicable Derating are described in Technical Diagrams							

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Engine noise emission

Test Standards: ISO 3744-1981 (E) sound power (without fan, intake and exhaust noise)
Tolerans ± 0.75 dB(A)

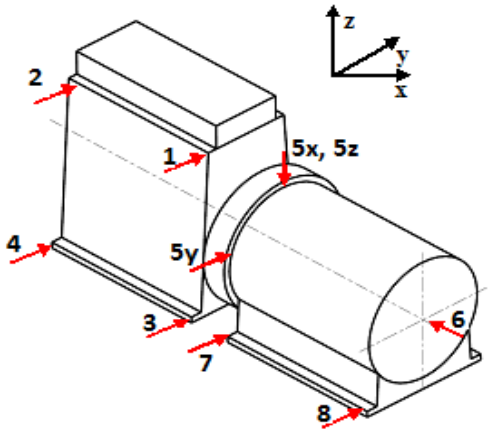
		rpm			1500		
		load	**25%**	**50%**	**75%**	**100%**	**110%**
Measured sound power Lw	No load	dB(A)	107,5	107,5	107,5	107,5	107,5
	Power setting 360 kW	dB(A)	109,1	110,2	111	111	111,3
		rpm			**1800**		
Measured sound power Lw	No load	dB(A)	109,1	109,1	109,1	109,1	109,1
	Power setting 400 kW	dB(A)	111,4	112,6	112,7	113,3	113,1

Vibrations (vibration velocity)

Power:	kW	360
Speed:	rpm	1500
Ambient temperature	°C	29-36
Type of Fuel		SD10

Measuring Point No	Rms overall values (2 Hz to 1000 Hz) (calculated)									Remarks
	Direction of Measurement									Prime
	Axial (x) [mm]	Axial (x) [mm/s]	Axial (x) [m/s^2]	Transverse (y) [mm]	Transverse (y) [mm/s]	Transverse (y) [m/s^2]	Vertical (z) [mm]	Vertical (z) [mm/s]	Vertical (z) [m/s^2]	
1	0,129	9,5	10,2	0,238	10,5	9,3	0,137	12,9	11,8	Engine
2	0,334	11,4	8,2	0,348	13,3	8,9	0,194	11,2	10	
3	0,207	12,3	11,3	0,332	13,8	17,3	0,141	14,5	13,3	
4	0,143	12,3	16,7	0,182	12,6	15,9	0,143	11,1	13,2	
5	0,097	19,9	12,9	0,106	8,9	8,2	0,095	17,8	14,6	Generator
6	0,058	18,3	13,2	0,101	19,6	10,1	0,053	16,6	12	
7	0,079	9,6	5	0,083	18,9	9,8	0,107	18,9	12,9	
8	0,089	9,4	5,1	0,089	17,3	9,5	0,097	21,5	12,5	

Declared vibration levels according to ISO 8528-9



Test conditions for load acceptance data

Warm engine.	**Generator**	**Modell**	**Type of AVR**
	Stamford	HCI534D1	MX341
	Voltage drop		

Load acceptance performance can vary due to actual alternator inertia, voltage regulator, type of load and local ambient conditions.

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Single step load performance at 1500 rpm

Load (%)	Speed diff (%)		Recovery time (s)		Remaining load	Speed diff (%)		Recovery time (s)	
	Nominal	110% power	Nominal	110% power	(%)	Nomi-nal	110% power	Nomi-nal	110% power
0-20	3,1	3,1	1,4	1,3	20-100	19,1	24,2	3,1	5,1
0-40	4,9	5,3	1,6	1,6	40-100	11,7	14,3	2,0	3,5
0-60	9,0	11,6	2,7	3,0	60-100	4,2	4,8	1,1	1,7
0-80	17,8	23,9	4,0	5,0	80-100	2,3	2,3	1,0	1,0
0-100	35,7	55,6	6,7	7,7					
0-60.4	9,2		2,3		60.4-100	4,2		0,9	
0-54.9		9,4		2,4	54.9-100		6,3		1,9
0-52.6	6,6		2,2		52.6-100	6,4		1,1	
0-47.9		6,9		2,2	47.9-100		10,2		2,9
100-0						-3,9	-4,0	1,6	1,3

Single step load performance at 1800 rpm

Load (%)	Speed diff %		Recovery time (s)		Remaining load	Speed diff (%)		Recovery time (s)	
	Nominal	110% power	Nominal	110% power	(%)	Nomi-nal	110% power	Nomi-nal	110% power
0-20	1,8	1,9	0,8	0,8	20-100	9,5	12,2	3,0	3,5
0-40	2,9	3,1	1,0	1,0	40-100	7,2	9,6	2,8	3,1
0-60	4,0	5,1	1,2	1,8	60-100	2,9	4,0	1,2	1,6
0-80	8,8	11,1	2,6	3,0	80-100	1,3	1,5	0,7	0,7
0-100	15,1	18,0	3,6	4,0					
0-80.5	8,7		2,5		80.5-100	1,3		0,5	
0-73.6		8,9		2,5	73.6-100		1,9		0,7
0-70.2	5,8		2,1		70.2-100	1,9		0,7	
0-64.1		6,0		2,2	64.1-100		3,7		1,4
100-0						-3,9	-3,5	1,5	1,5

Cold start performance		**rpm**	**1500**	**1800**
Time from start to stay within 0.5% of no load speed at ambient temperature:	20°C	s	4,8	4,6
	5 °C	s	5,7	5,2

Lubrication system		**rpm** **load**	**1500** **25%**	**50%**	**75%**	**100%**	**110%**
Lubricating oil consumption	Power setting 360 kW	liter/h	0,006	0,012	0,018	0,025	0,027
		US gal/h	0,002	0,003	0,005	0,007	0,007
		rpm			**1800**		
	Power setting 400 kW	liter/h	0,007	0,014	0,020	0,027	0,030
		US gal/h	0,002	0,004	0,005	0,007	0,008

Oil system capacity including filters		liter	49
		US gal	12,9
Oil sump capacity:	max	liter	44
		US gal	11,6
	min	liter	35
		US gal	9,2
Oil change intervals/ specifications: (Fuel quality dependent)	VDS-2. ACEA: E3, E5. API: CG-4, CH4	h	600
	VDS. ACEA: E2. API: CF, CF-4	h	400
		h	
		h	
Engine angularity limits, static (ref. classification rules, roll and pitch simultaneously)	front up	°	36
	front down	°	36
	side tilt	°	36

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Lubrication system		rpm	1500	1800
Oil pressure at rated speed		kPa	360	450
		psi	52	65
Lubrication oil temperature in oil sump:	max	°C	110	
		°F	230	
Oil filter micron size		µ	40	

* See also general section in the sales guide

Fuel system		rpm load	1500 25%	50%	1500 75%	100%	110%
Specific fuel consumption with: (Power setting without fan)	Power setting 360 kW	g/kWh	221	198	190	190	190
		lb/hph	0,359	0,322	0,308	0,308	0,308
		rpm			1800		
	Power setting 400 kW	g/kWh	240	207	199	197	198
		lb/hph	0,388	0,336	0,323	0,319	0,320
Fuel to conform to		ASTM-D975-No. 1 and 2-D, JIS KK 2204, EN 590 MDO-DMX and MDO-DMA (ISO8217)					
		rpm			1500		
System return flow	Power setting 360 kW	liter/h	46	45	44	44	44
		US gal/h	12,2	11,9	11,6	11,6	11,6
		rpm			1800		
	Power setting 400 kW	liter/h	49	49	48	47	47
		US gal/h	12,9	12,9	12,7	12,4	12,4
		rpm			1500		
System supply flow	Power setting 360 kW	liter/h	70	88	105	126	134
		US gal/h	18,5	23,2	27,7	33,3	35,4
		rpm			1800		
	Power setting 400 kW	liter/h	78	99	120	141	152
		US gal/h	20,6	26,2	31,7	37,3	40,2
		rpm			1500		
Normal fuel pressure (after filter)	Power setting 360 kW	kPa	552	542	530	516	512
		psi	80,1	78,6	76,9	74,8	74,3
		rpm			1800		
	Power setting 400 kW	kPa	595	583	573	559	557
		psi	86,3	84,6	83,1	81,1	80,8

Fuel system

Fuel supply line max restriction	kPa	30
	psi	4,4
Fuel supply max pressure head (day tank, from CL)	m	2
	feet	6,6
Fuel supply line max suction head (from CL)	kPa	4
	psi	0,6
Fuel return line max restriction	kPa	20
	psi	2,9
Maximum allowable inlet fuel temp	°C	50
	°F	122
Fuel filter micron size	µ	2

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Intake system		rpm / load	1500 / 25%	50%	75%	100%	110%
Air consumption at: (+25°C and 100kPa)	Power setting 360 kW	m^3/min	12,0	15,1	21,0	25,4	26,7
		cfm	422	533	742	898	942
		rpm			1800		
	Power setting 400 kW	m^3/min	14,4	17,4	23,3	28,2	29,3
		cfm	509	614	824	994	1033
Max allowable air intake restriction including piping		kPa	6				
		psi	0,9				
Air filter type			Paper cartridge				
Air filter cleaning efficiency		%	98,5				

Exhaust system		rpm / load	1500 / 25%	50%	75%	100%	110%
Heat rejection to exhaust at:	Power setting 360 kW	kW	65	114	156	208	235
		BTU/min	3696	6455	8843	11846	13364
		rpm			1800		
	Power setting 400 kW	kW	83	138	193	243	277
		BTU/min	4697	7831	10953	13836	15753
		rpm			1500		
Exhaust gas temperature after turbine at:	Power setting 360 kW	°C	286	366	356	388	395
		°F	547	691	673	730	743
		rpm			1800		
	Power setting 400 kW	°C	287	377	395	410	459
		°F	549	711	743	770	858
Max allowable back pressure in exhaust line		kPa	17				
		psi	2,5				
		rpm			1500		
Exhaust gas flow at: (temp and pressure after turbine at the corresponding power setting)	Power setting 360 kW	m^3/min	22,7	33,4	44,4	54,7	63,0
		cfm	802	1180	1568	1932	2225
		rpm			1800		
	Power setting 400 kW	m^3/min	27,4	37,9	49,7	58,0	68,3
		cfm	968	1338	1755	2048	2412

Cooling system		rpm / load	1500 / 25%	50%	75%	100%	110%
Heat rejection radiation from engine to surrounding at:	Power setting 360 kW	kW	4	4	5	5	5
		BTU/min	227	227	284	284	284
		rpm			1800		
	Power setting 400 kW	kW	4	4	5	5	6
		BTU/min	227	227	284	284	341

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Cooling system

		rpm			**1500**		
Heat rejection to coolant at:	Power setting 360 kW	kW	83	110	135	165	179
		BTU/min	4720	6256	7677	9383	10180
		rpm			**1800**		
	Power setting 400 kW	kW	110	138	173	207	222
		BTU/min	6256	7848	9838	11772	12625
	Power setting	kW					
		BTU/min					
Radiator cooling system type		Closed circuit					
		rpm	**1500**				
Standard radiator core area	Power setting 360 kW	m²	0,8				
		foot²	8,61				
		rpm	**1800**				
	Power setting 400 kW	m²	0,8				
		foot²	8,61				
		rpm	**1500**				
Fan diameter	Power setting 360 kW	mm	890				
		in	35,0				
		rpm	**1800**				
	Power setting 400 kW	mm	890				
		in	35,0				
		rpm			**1500**		
Fan power consumption			fan Ø 890				
		kW	11				
		hp	15				
		rpm			**1800**		
			fan Ø 890				
		kW	19				
		hp	26				

Cooling system

		rpm	**1500**				
Fan drive ratio	fan ø 890		0,99				
		rpm	**1800**				
	fan ø 890		0,99				
Coolant capacity:	engine	liter	20				
		US gal	5,28				
		rpm			**1500**		
	std radiator with hoses		Power setting 360 kW			Power setting	
		liter	**24**				
		US gal	6,34				
		rpm			**1800**		
			Power setting 400 kW			Power setting	
		liter	24				
		US gal	6,34				
Coolant pump		drive/ratio					

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

			rpm	1500	1800
Coolant flow with standard system			l/s US gal/s	5,25 1,39	6,24 1,65
Thermostat	start to open		°C °F	82 180	
	fully open		°C °F	92 198	
Maximum static pressure head (expansion tank height + pressure cap setting)			kPa psi	100 14,5	
Standard pressure cap setting			kPa psi	75 10,9	
Maximum temperature entering engine			°C °F	98 208	

		rpm			1500		
Charge air cooler system		**load**	**25%**	**50%**	**75%**	**100%**	**110%**
Cooling power	Power setting 360 kW	kW BTU/min	7 398	19 1081	38 2161	60 3412	68 3867
		rpm			**1800**		
	Power setting 400 kW	kW BTU/min	13 739	24 1365	46 2616	78 4436	85 4834
		rpm			**1500**		
Charge air mass flow	Power setting 360 kW	kg/s	0,23	0,29	0,38	0,47	0,5
		rpm			**1800**		
	Power setting 400 kW	kg/s	0,29	0,35	0,44	0,55	0,56

		rpm			1500		
Charge air cooler system							
Charge air inlet temp. Charge air temp after turbo compressor)	Power setting 360 kW	°C °F	76 169	108 226	146 295	175 347	186 367
		rpm			**1800**		
	Power setting 400 kW	°C °F	88 190	111 232	147 297	190 374	201 394
		rpm			**1500**		
Charge air outlet temp. (Charge air temp after charge air cooler)	Power setting 360 kW	°C °F	44 111	44 111	45 113	47 117	48 118
		rpm			**1800**		
	Power setting 400 kW	°C °F	41 106	42 108	45 113	47 117	49 120

Maximum pressure drop over charge air cooler, incl. piping		kPa psi	10 1,45	
		rpm	**1500**	
Charge air pressure	Power setting 360 kW	kPa psi	273 39,60	
		rpm	**1800**	
	Power setting 400 kW	kPa psi	257 37,27	
		rpm	**1500**	
Standard charge air cooler core area	Power setting 360 kW	m² foot²	0,8 8,61	
		rpm	**1800**	
	Power setting 400 kW	m² foot²	0,80 8,61	

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Cooling performance

Cooling air flow and external restriction at different radiator air temperatures based on 103°C TTT and 40% coolant. Valid at 1 atm. (radiator and cooling fan, see optional equipment)

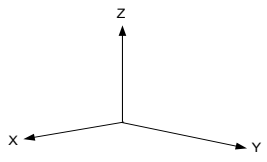
Engine speed rpm	Air on temp °C	Nominal POWER		110% power POWER	
		Air flow m^3/s	External restriction Pa	Air flow m^3/s	External restriction
1500	49,4	5,0	500		
	43,1			5,0	500
	53,8	5,6	300		
	47,9			5,6	300
	57,3	6,3	100		
	51,8			6,3	100
	58,8	6,6	0		
	53,6			6,6	0
1800	50,1	6,6	500		
	45,9			6,5	500
	53,7	7,2	300		
	49,2			7,1	300
	56,4	7,7	100		
	52,2			7,7	100
	57,7	8,0	0		
	53,5			8,0	0

Note! Calculated values >0 Pa

Engine management system

Functionality	**Alternatives**	**Default setting**
Governor mode	Isochronus/Droop	Droop
Governor droop	0/0, 1-5%	0,0
Governor response	Adjustable PID (service tool)	0/0/0
Idle speed	600-1200	900,0
Fine speed adjustment	±90	0,0
Stop function	Normaly Closed/Normaly Opened	Depends on order

Electrical system		**rpm**	**1500 and 1800**
Voltage and type		24V / insulated from earth	
Alternator:	make/output	Amp	Bosch/110A
	tacho output	Hz/alt. Rev	6
	drive ratio		3.7:1
Starter motor		make	Melco
		type	105P70
		kW	7,0
Starter motor solenoid,	pull current	Amp	280
	hold current	Amp	-
Number of teeth on:	flywheel		153
	starter motor		12
Inrush current at +20°C \ +5°C		Amp	1020 \ 1560
Cranking current at +20°C \ +5°C		Amp	400 \ 530
Crank engine speed at 20°C \ +5°C		rpm	150 \ 130
Starter motor battery capacity:	max	Ah	2x220
	min at +5°C	Ah	2x180

Max. g-force			
	x	m/s²	2
	y	m/s²	2
	z	m/s²	6

VOLVO PENTA

D13C2 MG / RC
360/400kW

Document No	Issue Index
23477806	**03**

Sensors : Control and Monitoring System							Engine protection action
Sensors	**Signal**	**Range**	**Unit**	**Warning Initial Delay / Warning Delay**	**Warning Level**	**Derating Level**	
AUS/DEF concentration	Ultrasonic 1 Hz	0 - 62.5	%	N/A	<28	N/A	Warning only
AUS/DEF Tank Empty	Ultrasonic 1 Hz	0-100	%	30 sec	0	N/A	Warning only
AUS/DEF Tank Low level	Ultrasonic 1 Hz	0-100	%	30 sec	15	N/A	Warning only
AUS/DEF tank temp High alarm	Resistive	-40 - 125 ±1.5°C	°C	1 sec	70	N/A	Warning only
Coolant level switch	Digital	ON/OFF		30 sec from start / 11 sec	Low	N/A	Warning only
Coolant temperature	50-0 kΩ	-40 - 140 ±1.5°C	°C	30 sec from start / 2 sec	98	N/A	Warning only
Engine speed cam	Frequency		rpm	Instant	Lost signal	N/A	Warning only
Engine speed crank	Frequency		rpm	Instant	Lost signal	N/A	Warning only
Exhaust gas temperature after turbine	PT200	-40 - 750 ± 2.5%	°C	30 sec from start / 2 sec	532	N/A	Warning only
					N/A	N/A	Warning only
Oil level sensor	Digital	± 1.9 mm		30 sec from start / 5 sec	Low level	N/A	Warning only
Oil temperature	50-0 kΩ	-40 - 140 ± 1.5°C	°C	30 sec from start/1.5 sec	125	N/A	Warning only
Exhaust temperature before muffler	PT200	-40 - 750 ± 2.5%	°C	30 sec from start / 2 sec	532	N/A	Warning only
Water In fuel switch	Digital	ON/OFF		Instant	Water in fuel	N/A	Warning only

VOLVO PENTA

D13C2 MG / RC
360/400kW

Document No	Issue Index
23477806	**03**

Sensors (rpm dependent)	Signal	Range	Unit	Initial Delay / Delay	Warning Level / Derating Level / Shutdown Level rpm Map					Comment
Charge air pressure	0,5-4,5 V	50-600 ±4.2 kPa	kPa					**1500 rpm**	**1800 rpm**	
Warning Level			kPa	30 sec from start / 2.2 sec				300	280	
Derating Level			kPa	NA				NA	NA	
Charge air temperature	50-0 kΩ	-40 - 130 ±4%	°C					**1500 rpm**	**1800 rpm**	
Warning Level			°C	60 sec from start / 15 sec				80	76	
Derating Level			°C	NA				NA	NA	
Coolant pressure	0,5-4,5 V	0-300± 3%	kPa					**1500 rpm**	**1800 rpm**	
Warning Level			kPa	30 sec from start /1.5sec				50	76	
Derating Level			kPa	NA				NA	NA	
Fuel pressure	0,5-4,5 V	0-700±2.5%	kPa					**1500 rpm**	**1800 rpm**	
Warning Level			kPa	60 sec from start / 5 sec				205	280	
Derating Level			kPa	NA				NA	NA	
Oil pressure	0,5-4,5 V	0-700±2.5%	kPa					**1500 rpm**	**1800 rpm**	
Warning Level			kPa	30 sec from start / 3 sec				260	260	
Derating Level			kPa	NA				NA	NA	

Warning = Yellow Lamp active
Derating = Red Lamp active

VOLVO PENTA

D13C2 MG / RC
360/400kW

Document No	Issue Index
23477806	**03**

For SDM only

Sensors Control and Monitoring System						
Sensors	**Signal**	**Range**	**Unit**	**Warning Initial Delay /**	**Shutdown level**	**Engine protection action**
Coolant temperature	Digital	ON/OFF ON= Shutdown	°C	12sec from start/1 sec	105	Shutdown
Eng. overspeed SDM 1500+15%	Frequency	153 puls./rev	rpm / Hz	Instant	1725 rpm / 4399 Hz	Shutdown
Eng. overspeed SDM 1800+15%	Frequency	153 puls./rev	rpm / Hz	Instant	2070 rpm / 5278 Hz	Shutdown

Sensors (rpm dependent)	**Signal**	**Range**	**Unit**	**Initial Delay / Delay**	**Warning Level / Derating Level / Shutdown Level**					**Engine protection action**
					0 rpm	**600 rpm**	**1000 rpm**	**1500 rpm**	**1800 rpm**	
Oil pressure	Digital	ON/OFF	kPa	12 sec from start / 1 sec	NA	120 ±20	120 ±20	120 ±20	120 ±20	Shutdown

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

Technical data - Exhaust AfterTreatment System data (EATS)

Weight data:

SCR system weight: (incl SCR unit, AUS injector pipe, AUS sensor and bracket)			kg lb	115,7 255,1
Total SCR system weight for IPS: (incl SCR unit, AUS injector pipe, AUS sensor and bracket, exhaust piping)			kg lb	115,7 255,1
AUS pump			kg lb	3,1 6,8
AUS cabinet 20l weight: (incl tank, pump,UQS, ACM)			kg lb	36,4 80,2
AUS tank 160l weight:			kg lb	45 99,2
UQS - Lenght/Weight	mm in	439 17,3	kg lb	1,2 2,6
UQS - Lenght/Weight	mm in	597 23,5	kg lb	1,2 2,6
UQS - Lenght/Weight	mm in	715 28,1	kg lb	1,3 2,9

Dimension data:

SCR Flange:	Standard type	2.2 / 23.7	
	Diameter:	in/mm	6 in / 152 mm
	Number of Inlet / Outlet:	1 inlet / 2 outlet	

Flow data:

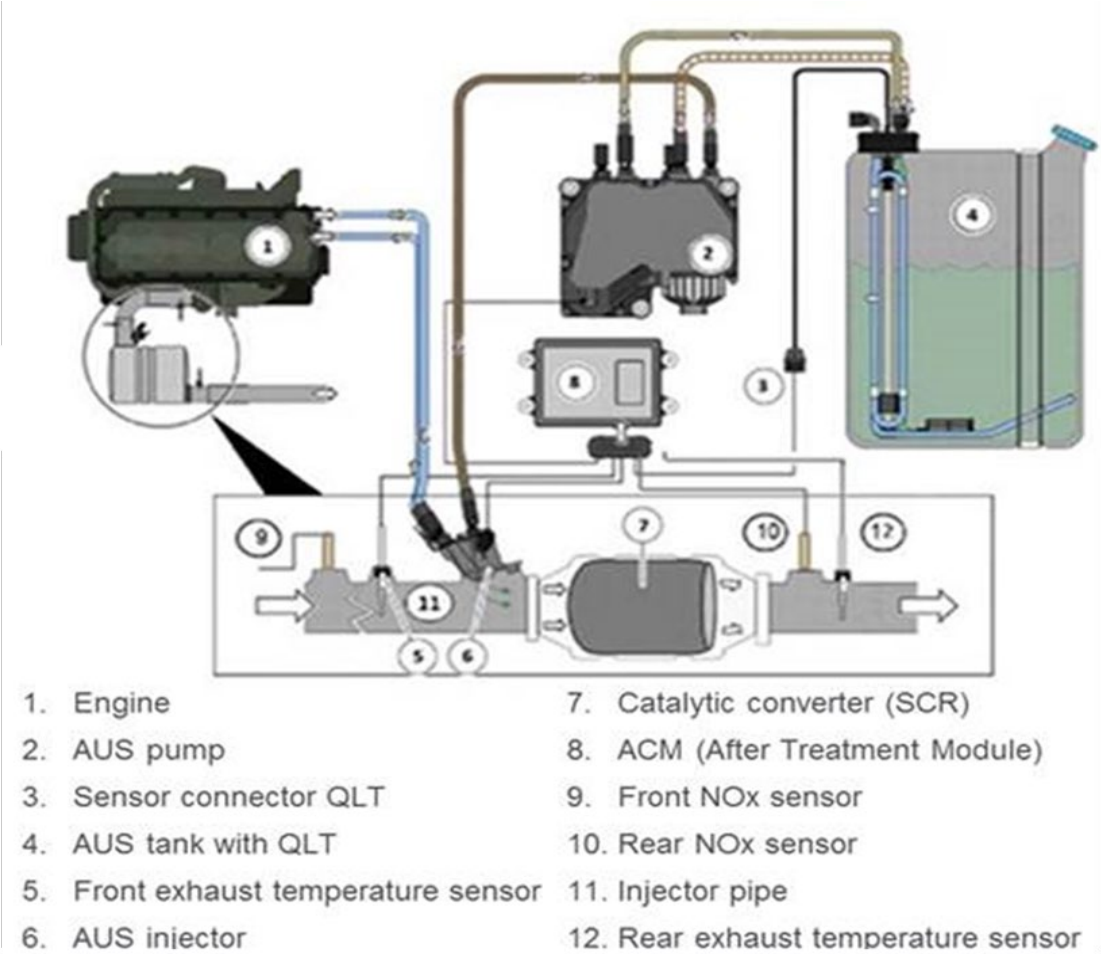
Max AUS flow to injector	l/h US gal/h	7,9 2,1
Max collant flow to AUS injector	l/h US gal/h	6,7 1,8

Exhaust system	**Rating**	**rpm**	**600**	**800**	**1000**	**1200**	**1300**	**1400**	**1500**	**1600**	**1800**	**1900**
Max allowable temperature drop between turbine and SCR muffler inlet.		°C °F							10 50		10 50	
SCR muffler pressure drop at prop. load x^3		kPa psi							3 0,4		5 0,7	
SCR muffler pressure drop at Full load		kPa psi							6 0,9		7 1,0	

VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

AUS system	Rating	rpm	600	800	1000	1200	1300	1400	1500	1600	1800	1900
Specific AUS consumption		g/kWh lb/hph							11,20 0,02		12,68 0,02	
AUS consumption at Full load		l/h US gal/h							5,04 1,33		6,10 1,61	

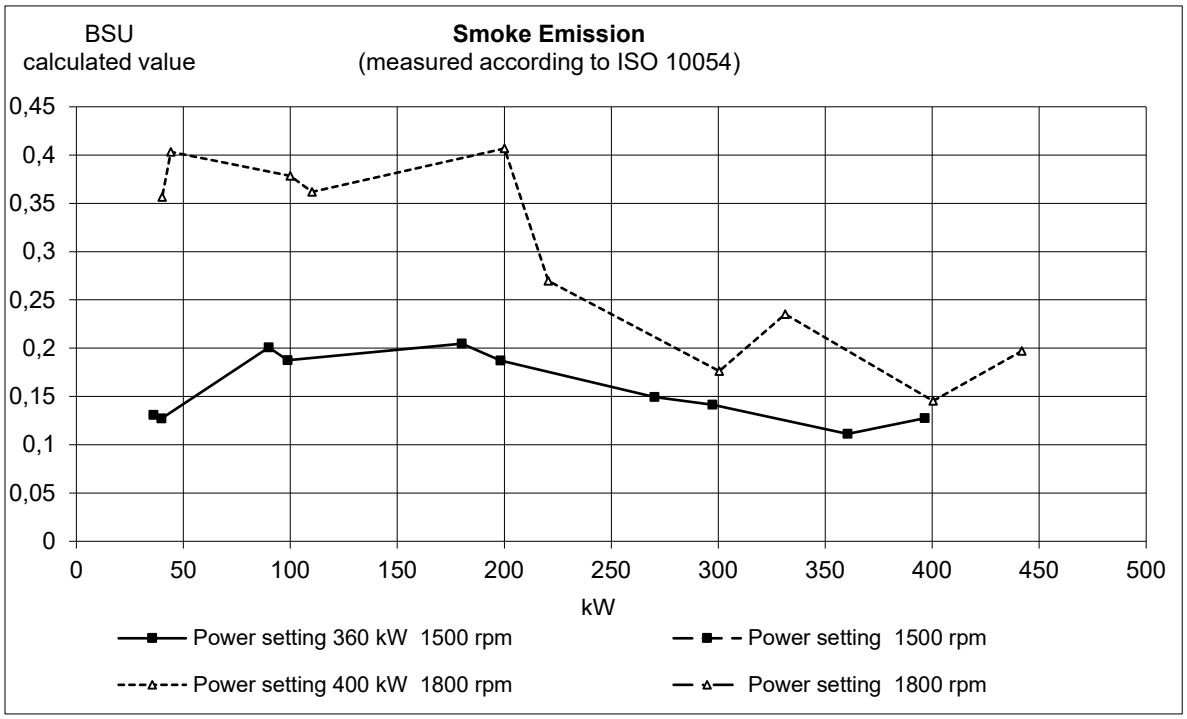
AUS concentration 32.5%

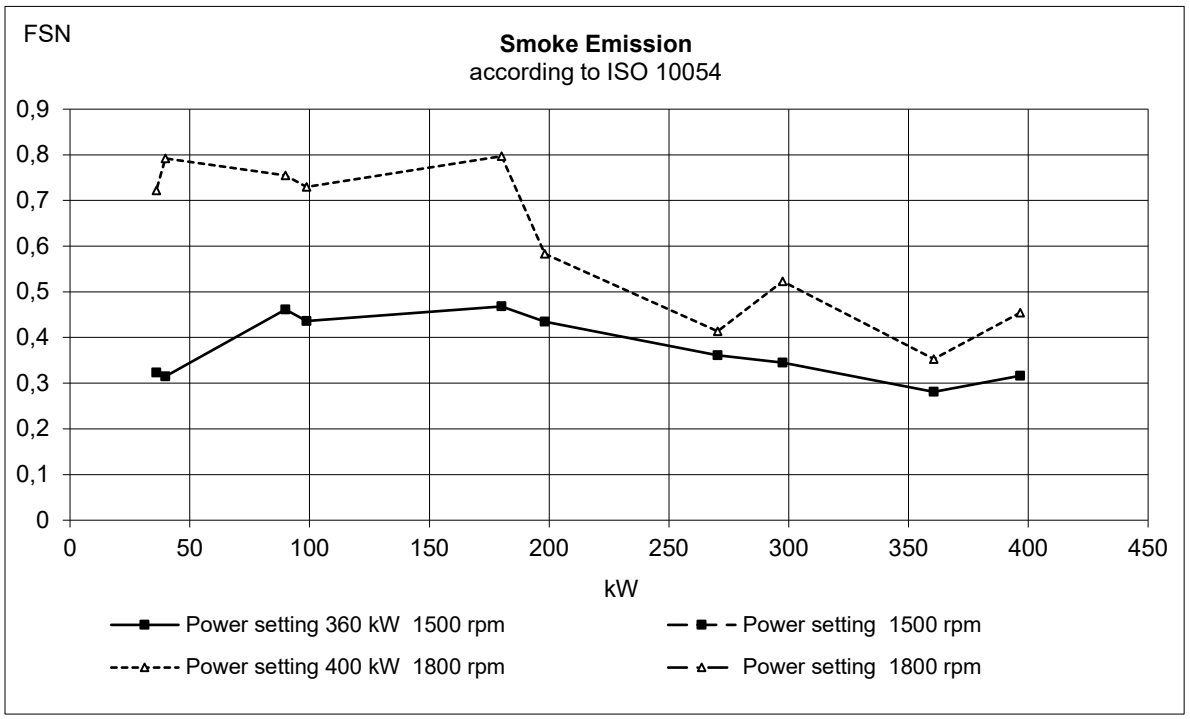


Abbreviations:

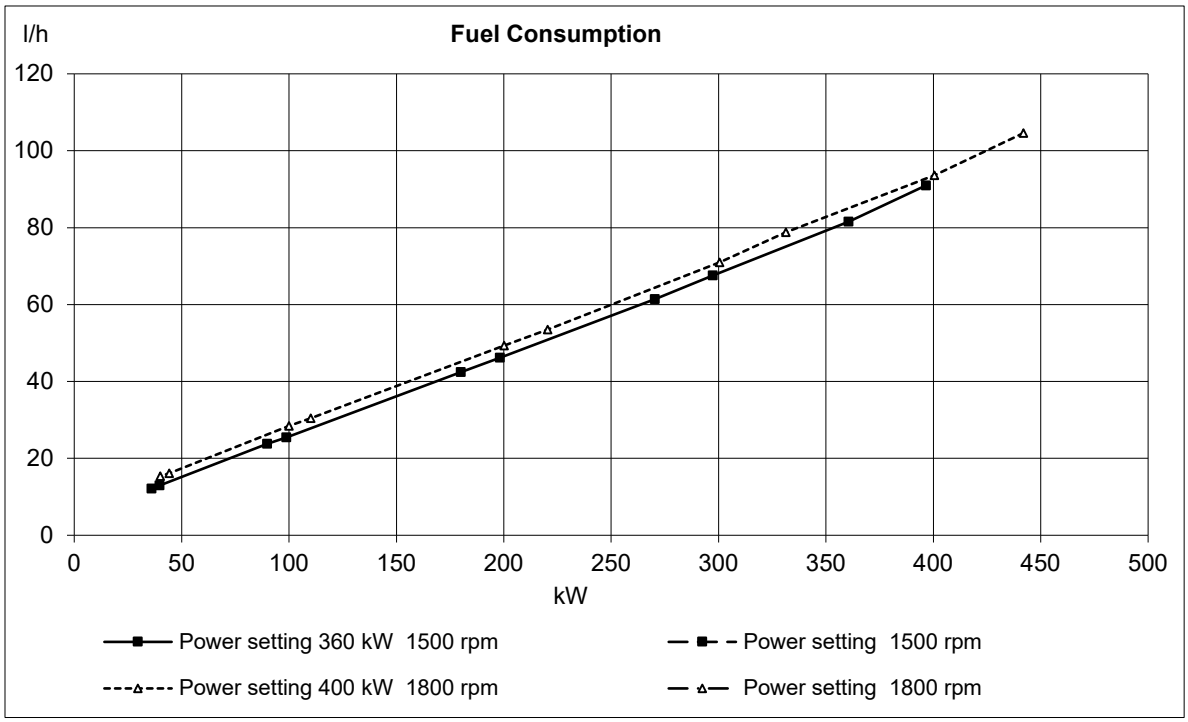
ACM	Aftertreament Control Module
AUS	Aqueous Urea Solution
EATS	Exhaust Aftertreatment System
SCR	Selective Catalytic Reduction
UDS	Urea Dosing System
UQS	Urea Quality Sensor

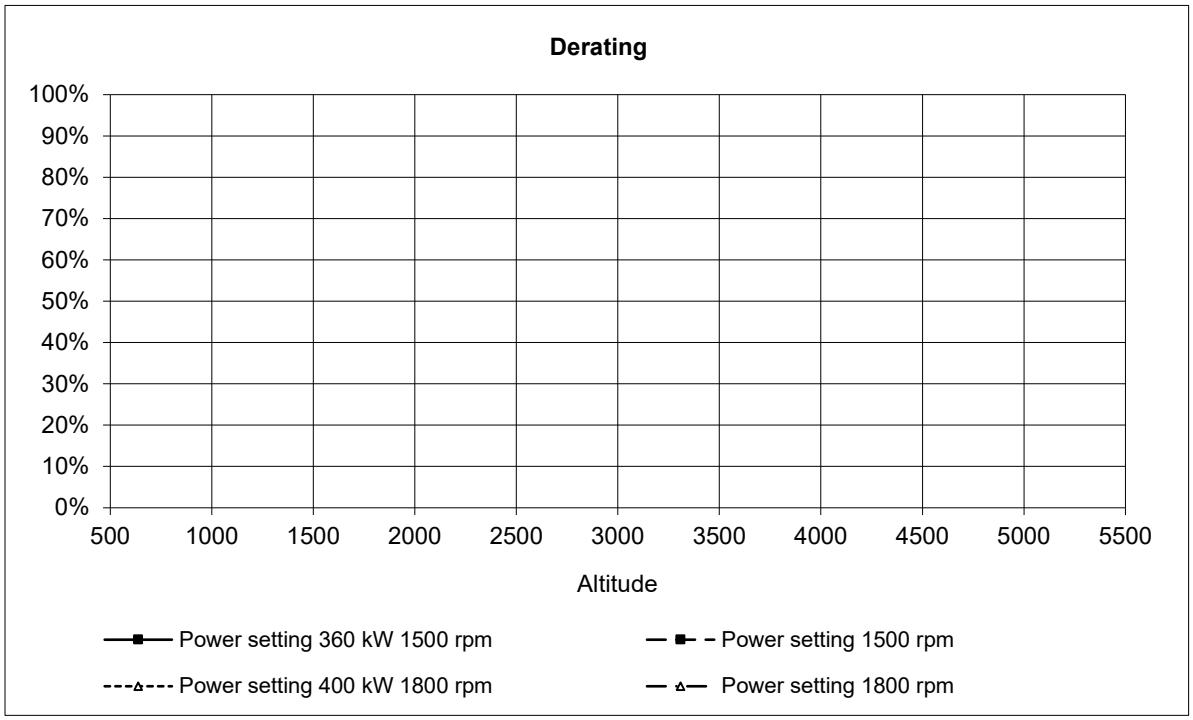
VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03



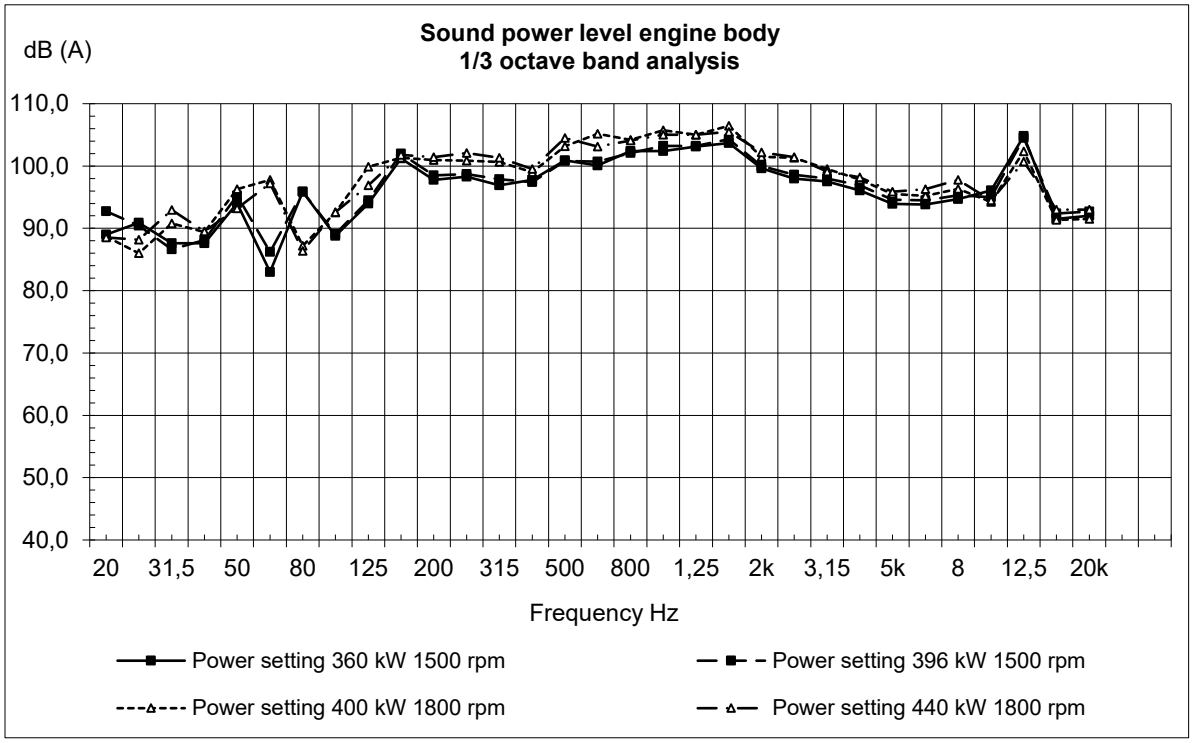


VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

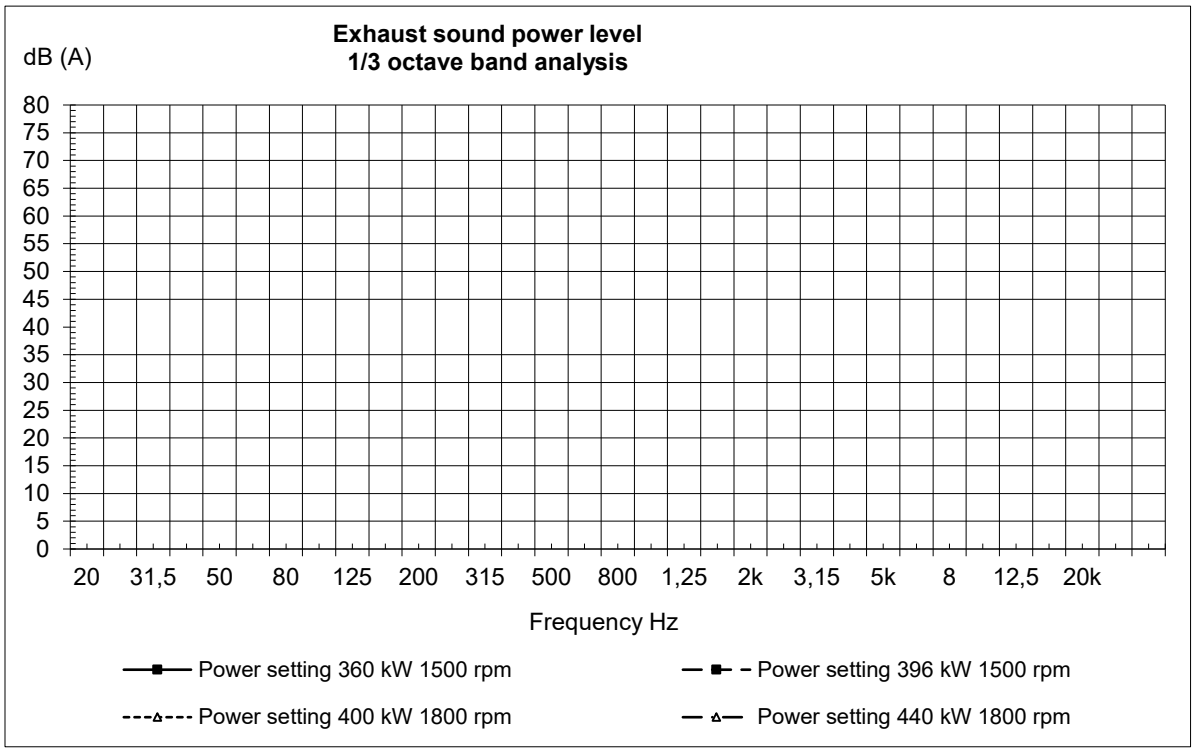


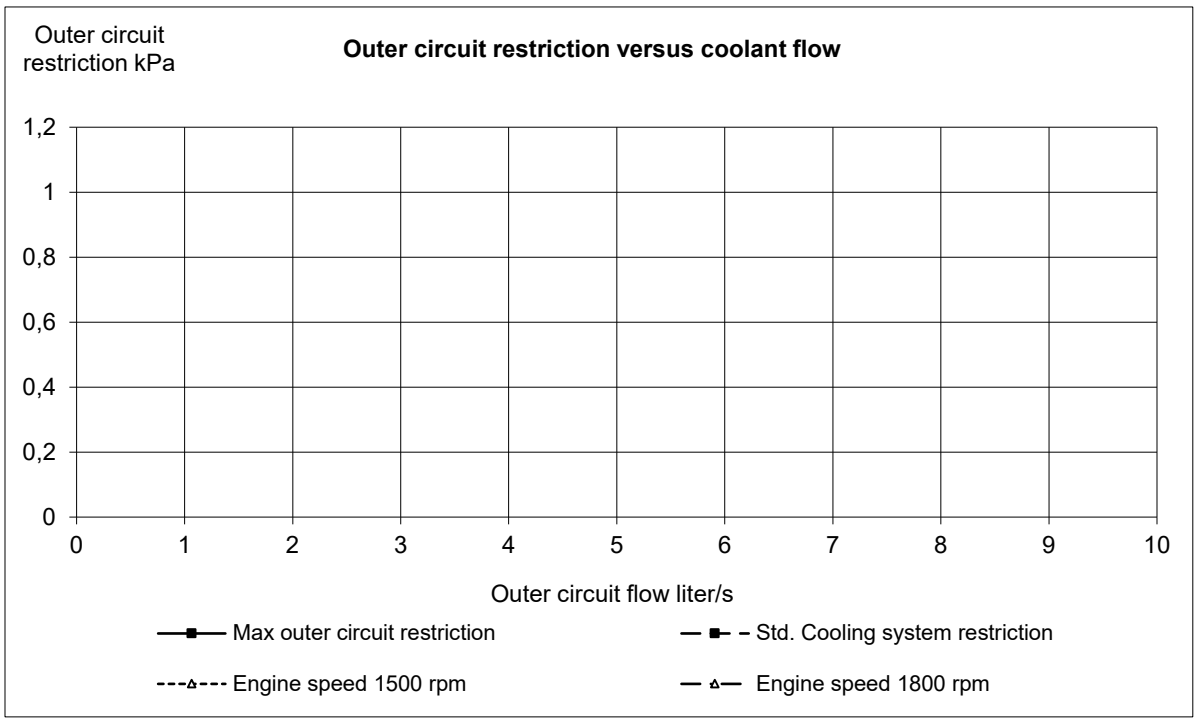


VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03

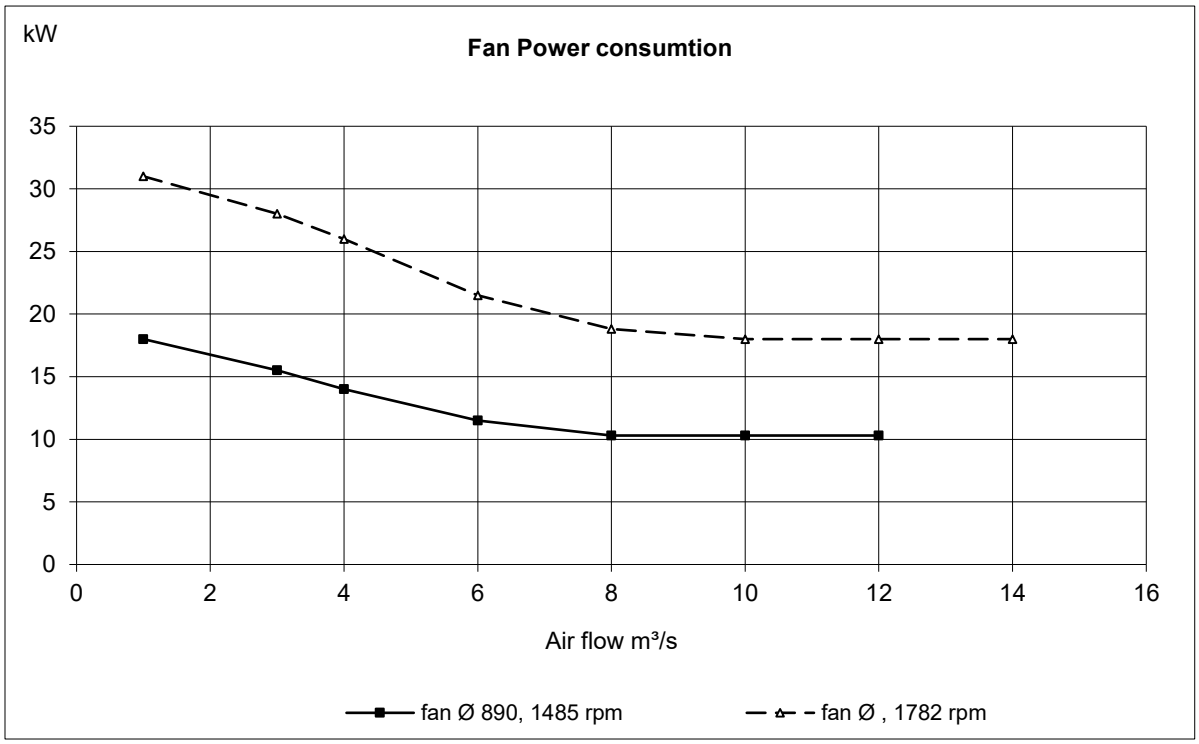


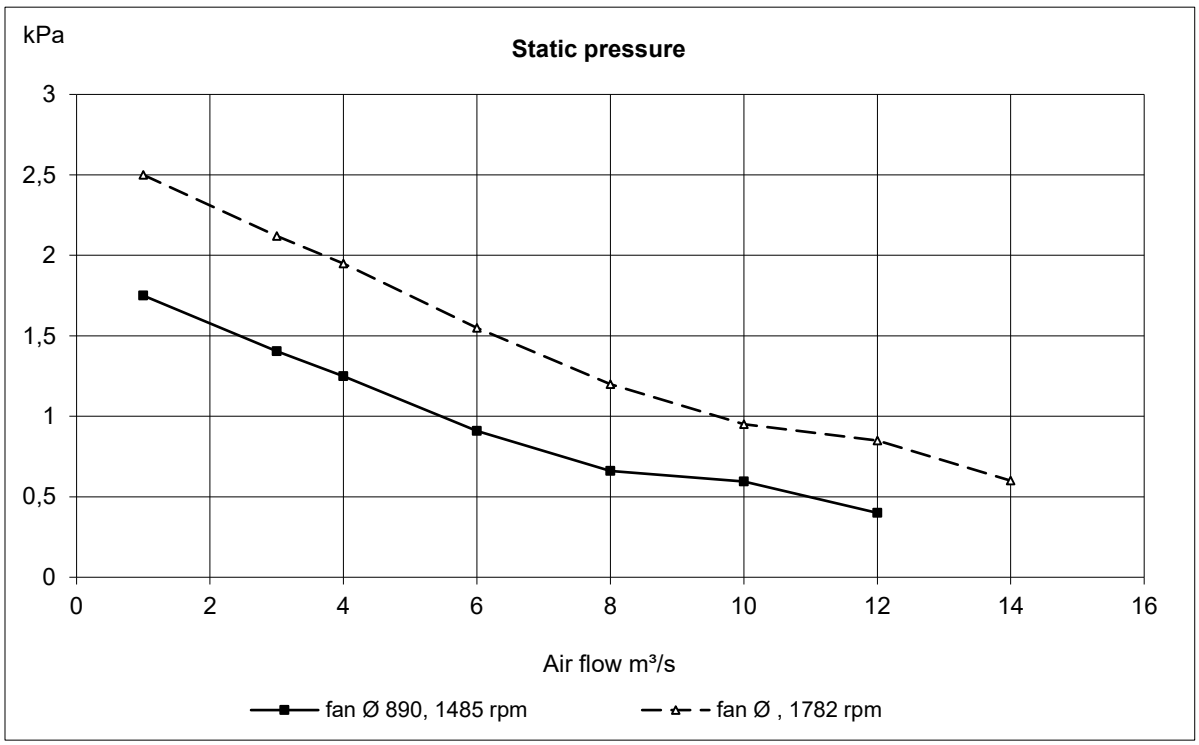
VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03





VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03





VOLVO PENTA D13C2 MG / RC 360/400kW	Document No 23477806	Issue Index 03