

Built on a legacy, focused on the future



INDUSTRIAL

ENGINE SELECTOR

Lister Petter Engine Company Limited

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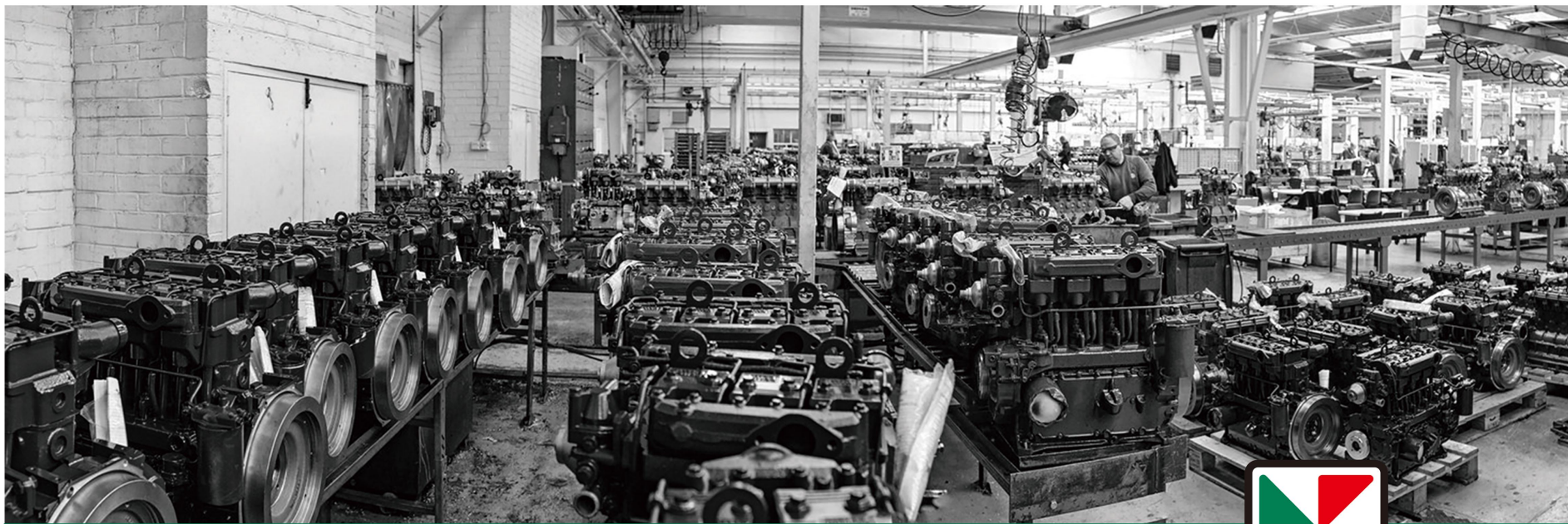
SA432i2

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Since 1865



LISTER PETTER, SINCE 1865

Lister Petter – world-renowned for more than 150 years.

Across the globe Lister Petter is the name for power generation. From water pumping to telecoms, agriculture to industry and emergency applications, Lister Petter power is the dependable choice. From the punishing sub-zero temperatures of China and Northern Russia to the scorching heat of Middle Eastern deserts or African plains, Lister Petter powered products deliver.

Each of our engines can be precisely configured for the job to be done. Every single one of our engines is fully tested before it leaves our factory to ensure it is fit for purpose immediately on installation. Lead times are short, and our flexible, highly skilled support teams are on call for every customer need.



THE COMMITMENT TO CUSTOMERS



Lister Petter design and develop the engines that suit our customer's needs. The range of Industrial engines can be configured to suit most industrial applications, and our team are here to support you with the specification process. Covered by a comprehensive Global product support network, and Warranty promise, Lister Petter Industrial Engines are the choice for reliable and cost effective power solutions.

Lister Petter has always been a customer focused company, and the relationships we build are at the heart of every business decision to ensure the highest levels of commitment and engagement.



Global Service Network

Engine support software available through our authorised service outlets.



BUILT ON A LEGACY FOCUSED ON THE FUTURE



Comprehensive warranty coverage



Technical back up available through our online portal, or distribution network.



Specialist engine oils direct from Lister Petter, to ensure the best possible running conditions.



Global spare parts support.



Every Lister Petter engine is tested and certified before being dispatched.



Proven quality production process throughout.

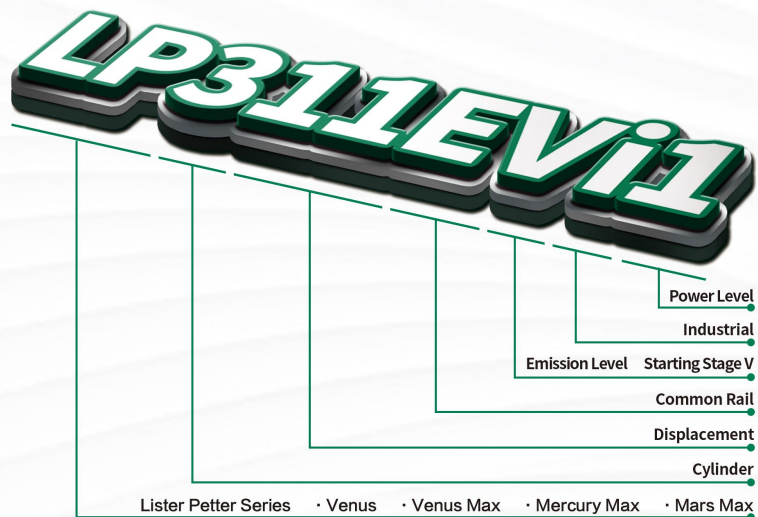


Global Sales and Application support available.

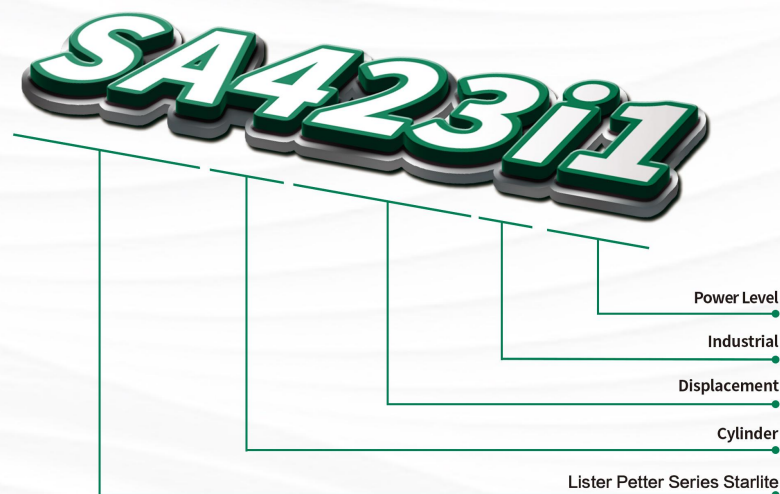


BUILT ON A LEGACY FOCUSED ON THE FUTURE

INDUSTRIAL ENGINE NAMING DEFINITIONS



05



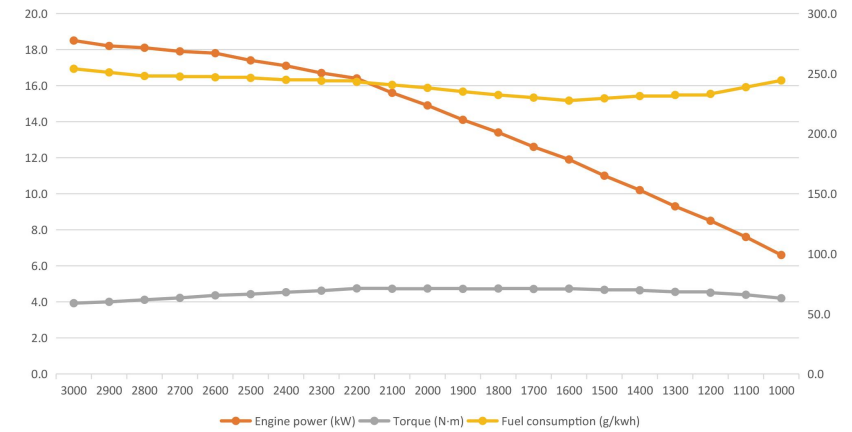
06



EU Stage V

Model	LP311EVi1	LP311EVi2	LP322EVi1	LP322EVi2	LP430EVi1
Engine Power(kW)	18.5	18.5	44.8	55.8	55.8
Speed(rpm)	3000	2200	2400	2400	2200
No. of cylinders	3	3	3	3	4
Displacement	1.1	1.1	2.2	2.2	3.0
Bore (mm)	78	78	94	94	94
Stroke (mm)	78.4	78.4	107	107	107
SAE	V-6.5	V-6.5	IV-7.5	IV-7.5	IV-7.5
Fuel system	HPCR, ECU	HPCR, ECU	HPCR, ECU	HPCR, ECU	HPCR, ECU
Aspiration	Natural	Turbo	Turbo	Turbo & Intercooler	Turbo
Cooling system	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling
Heat rejection (kw)	14.5	12.7	31.6	38.1	38.3
Air intake flow (m³/h)	92.6	127.7	278.8	322.3	348.5
Max intake air restriction	4kpa	4kpa	4kpa	4kpa	4kpa
Max exhaust back pressure	10kpa	10kpa	10kpa	10kpa	10kpa
Fan size	F330	F330	F450	F450	F490
Emissions	EU stage V	EU stage V	EU stage V	EU stage V	EU stage V
Aftertreatment	/	/	EGR+DOC+DPF	EGR+DOC+DPF	EGR+DOC+DPF

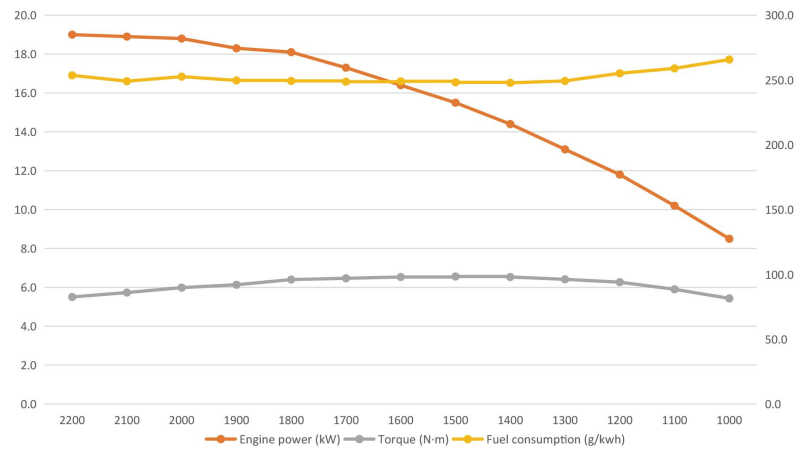
LP311EVi1



Speed (rpm)	Engine power (kW)	Torque (N-m)	Fuel consumption (g/kwh)
3000	18.5	58.9	254
2900	18.2	60.0	251
2800	18.1	61.7	248
2700	17.9	63.3	248
2600	17.8	65.4	247
2500	17.4	66.4	246
2400	17.1	68.0	245
2300	16.7	69.3	244
2200	16.4	71.2	243
2100	15.6	70.9	241
2000	14.9	71.1	238
1900	14.1	70.8	235
1800	13.4	71.1	232
1700	12.6	70.7	230
1600	11.9	71.0	228
1500	11.0	70.0	229
1400	10.2	69.6	231
1300	9.3	68.3	232
1200	8.5	67.6	233
1100	7.6	65.9	239
1000	6.6	63.0	244

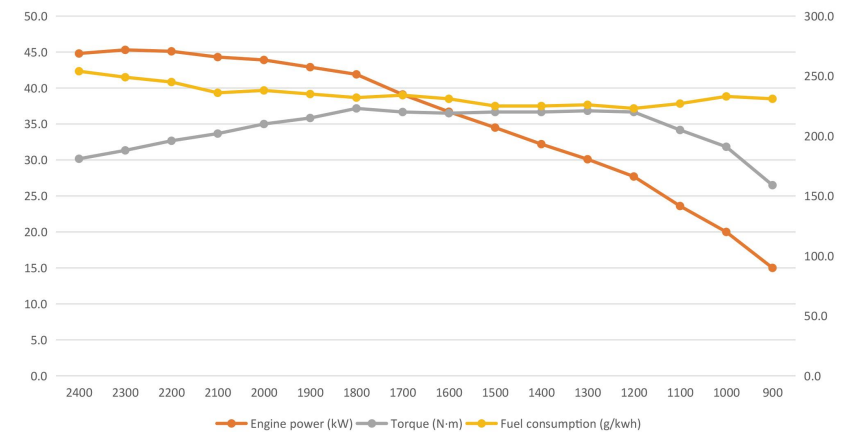


LP311EVi2



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2200	19.0	82.6	254
2100	18.9	86.0	249
2000	18.8	89.8	253
1900	18.3	92.0	250
1800	18.1	96.0	249
1700	17.3	97.0	249
1600	16.4	98.0	249
1500	15.5	98.4	248
1400	14.4	98.0	248
1300	13.1	96.2	249
1200	11.8	94.0	255
1100	10.2	88.5	259
1000	8.5	81.5	266

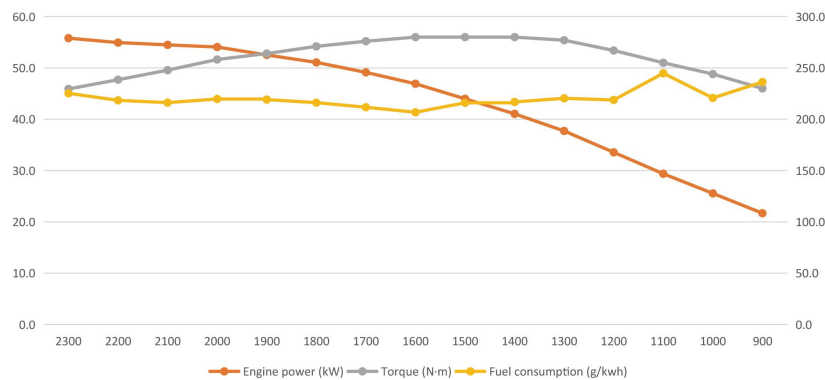
LP322EVi1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2400	44.8	181.0	254
2300	45.3	188.0	249
2200	45.1	196.0	245
2100	44.3	202.0	236
2000	43.9	210.0	238
1900	42.9	215.0	235
1800	41.9	223.0	232
1700	39.1	220.0	234
1600	36.7	219.0	231
1500	34.5	220.0	225
1400	32.2	220.0	225
1300	30.1	221.0	226
1200	27.7	220.0	223
1100	23.6	205.0	227
1000	20.0	191.0	233
900	15.0	159.0	231

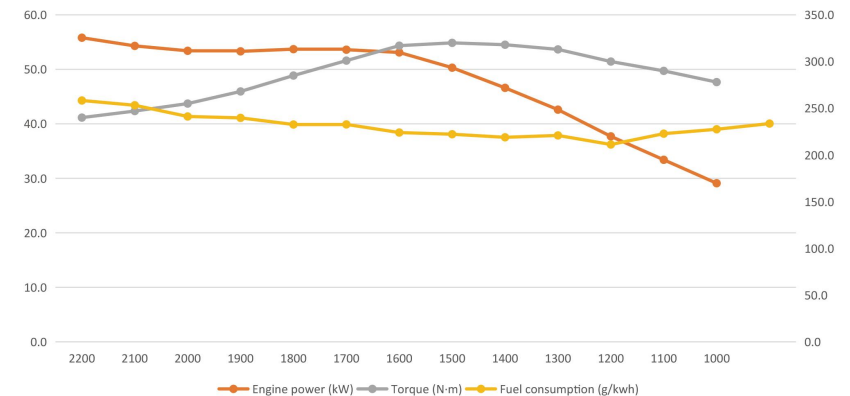


LP322EVi2



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2300	55.8	229.5	225
2200	54.9	238.5	218
2100	54.5	247.8	216
2000	54.1	258.2	220
1900	52.5	264.0	219
1800	51.1	271.0	216
1700	49.1	276.0	212
1600	46.9	280.0	207
1500	44.0	280.0	216
1400	41.1	280.0	217
1300	37.7	277.0	220
1200	33.6	267.0	219
1100	29.4	255.0	245
1000	25.6	244.0	221
900	21.7	230.0	236

LP430EVi1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2200	55.8	240.0	253
2100	54.3	247.0	241
2000	53.4	255.0	240
1900	53.3	268.0	233
1800	53.7	285.0	233
1700	53.6	301.0	224
1600	53.1	317.0	222
1500	50.3	320.0	219
1400	46.6	318.0	221
1300	42.6	313.0	211
1200	37.7	300.0	223
1100	33.4	290.0	228
1000	29.1	278.0	234

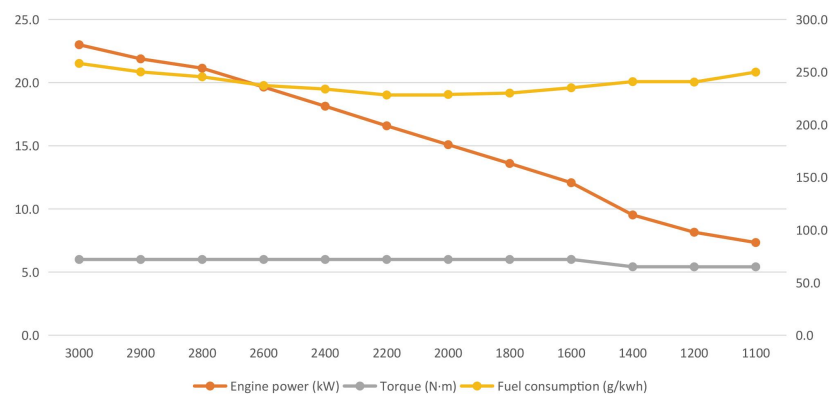


Stage II

Model	SA315i2	SA423i1	SA427i1	SA427i2	SA432i1	SA432i4	SA432i2	SA432i3	SA432i5	SA435i1
Engine Power(kW)	23	29.1	39.7	42	45	54	53.3	65	64	73.5
Speed	3000	2600	2650	3000	2600	3000	2600	2600	3000	2600
NO. of cylinders	3	4	4	4	4	4	4	4	4	4
Displacement	1.5	2.3	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.5
Bore	85	85	90	98	98	98	98	98	98	98
Stroke	90	100	105	105	105	105	105	105	105	115
SAE	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5	IV-7.5
Fuel system	Electronic	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Aspiration	Natural	Natural	Natural	Natural	Natural	Natural	Turbo	Turbo	Turbo	Turbo
Cooling system	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling	Water cooling
Heat rejection (kw)	15.0	23.4	31.0	30.0	35.0	38.4	37.0	45.0	34.1	50.6
Air intake flow (m ³ /h)	160.0	167.7	200.7	227.2	233.4	269.3	439.3	439.3	506.9	480.5
Max intake air restriction	4kpa	4kpa	4kpa	4kpa	4kpa	4kpa	4kpa	4kpa	4kpa	4kpa
Max exhaust back pressure	10kpa	10kpa	10kpa	10kpa	10kpa	10kpa	10kpa	10kpa	10kpa	10kpa
Fan size	F380	F380	F420	F450	F450	F450	F490	F490	F490	F490
Emissions	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II

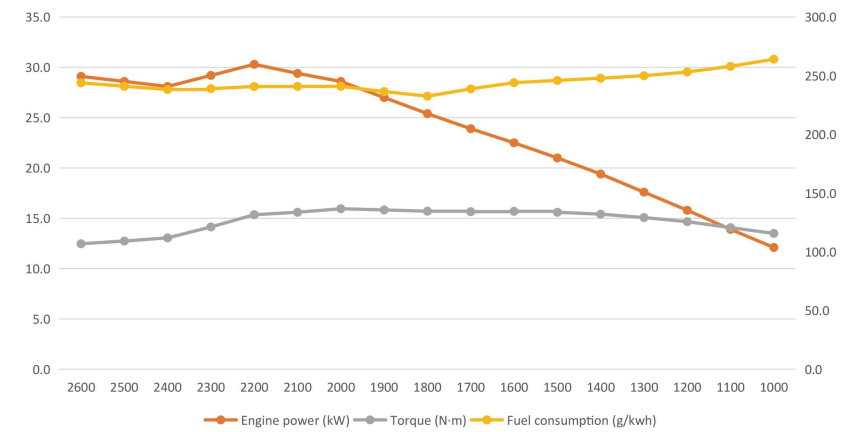


SA315i2



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
3000	23.0	72.0	258
2900	21.9	72.0	250
2800	21.1	72.0	246
2600	19.6	72.0	237
2400	18.1	72.0	234
2200	16.6	72.0	228
2000	15.1	72.0	229
1800	13.6	72.0	230
1600	12.1	72.0	235
1400	9.5	65.1	241
1200	8.2	65.0	241
1100	7.3	65.0	250

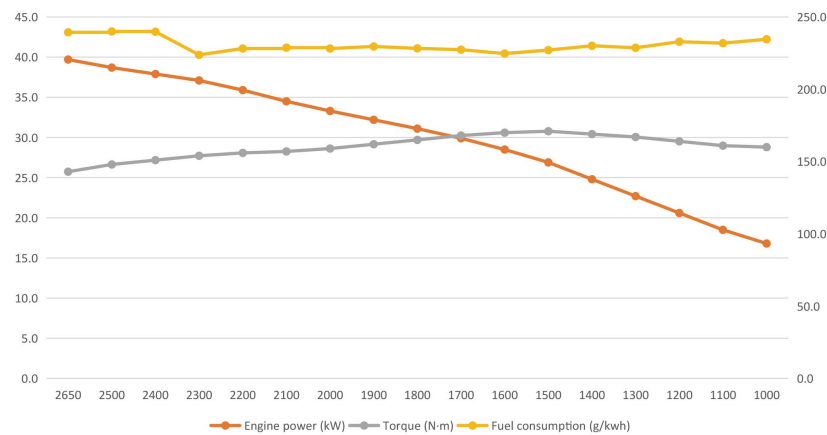
SA423i1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2600	29.1	106.9	244
2500	28.6	109.2	241
2400	28.1	111.9	238
2300	29.2	121.2	239
2200	30.3	131.6	241
2100	29.4	133.7	241
2000	28.6	136.7	241
1900	27.0	135.7	237
1800	25.4	134.6	233
1700	23.9	134.2	239
1600	22.5	134.5	244
1500	21.0	133.7	246
1400	19.4	132.1	248
1300	17.6	129.2	250
1200	15.8	125.7	253
1100	13.9	120.6	258
1000	12.1	115.7	264

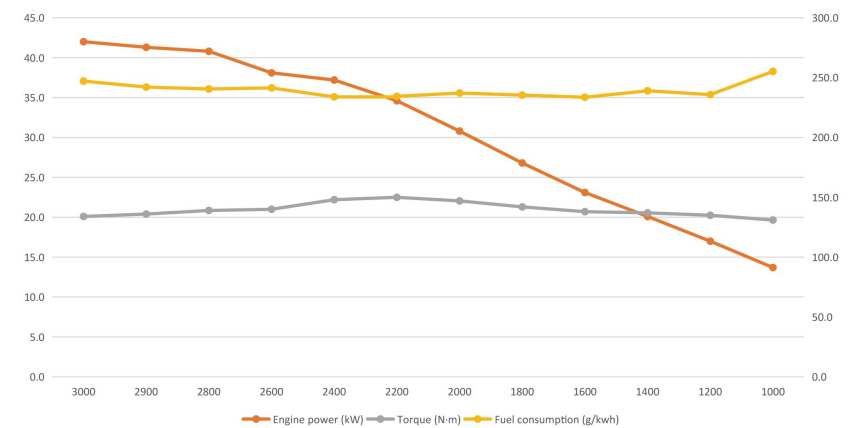


SA427i1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2650	39.7	143.0	239
2500	38.7	148.0	240
2400	37.9	151.0	240
2300	37.1	154.0	224
2200	35.9	156.0	228
2100	34.5	157.0	229
2000	33.3	159.0	228
1900	32.2	162.0	230
1800	31.1	165.0	228
1700	29.9	168.0	227
1600	28.5	170.0	225
1500	26.9	171.0	227
1400	24.8	169.0	230
1300	22.7	167.0	229
1200	20.6	164.0	233
1100	18.5	161.0	232
1000	16.8	160.0	235

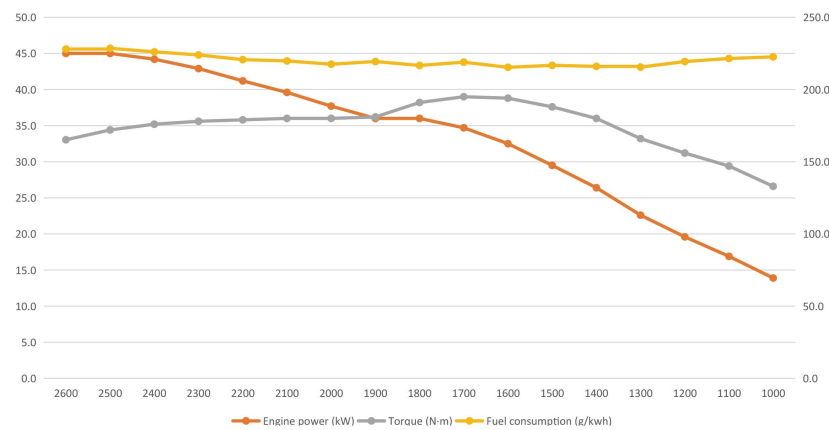
SA427i2



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
3000	42.0	134.0	247
2900	41.3	136.0	242
2800	40.8	139.0	241
2600	38.1	140.0	241
2400	37.2	148.0	234
2200	34.6	150.0	234
2000	30.8	147.0	237
1800	26.8	142.0	235
1600	23.1	138.0	234
1400	20.1	137.0	239
1200	17.0	135.0	236
1000	13.7	131.0	255

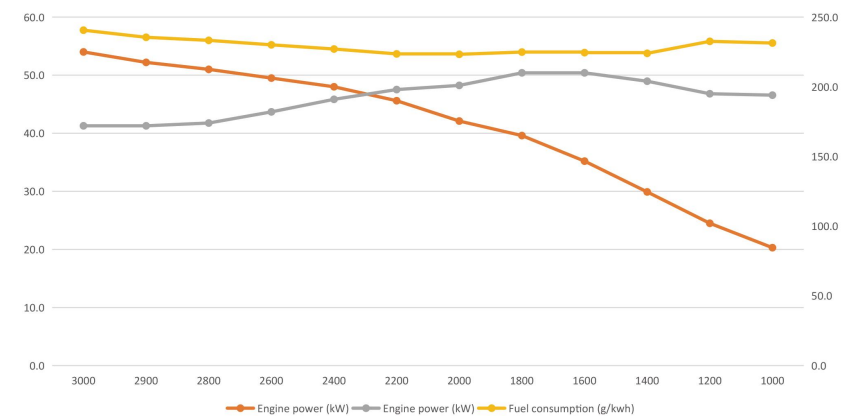


SA432i1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2600	45.0	165.2	228
2500	45.0	172.0	229
2400	44.2	176.0	226
2300	42.9	178.0	224
2200	41.2	179.0	221
2100	39.6	180.0	220
2000	37.7	180.0	218
1900	36.0	181.0	219
1800	36.0	191.0	217
1700	34.7	195.0	219
1600	32.5	194.0	215
1500	29.5	188.0	217
1400	26.4	180.0	216
1300	22.6	166.0	216
1200	19.6	156.0	219
1100	16.9	147.0	221
1000	13.9	133.0	223

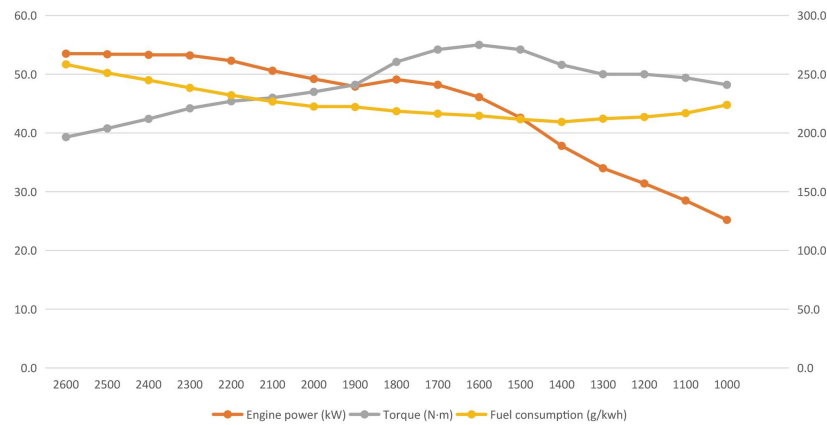
SA432i4



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
3000	54.0	172.0	241
2900	52.2	172.0	236
2800	51.0	174.0	233
2600	49.5	182.0	230
2400	48.0	191.0	227
2200	45.6	198.0	224
2000	42.1	201.0	223
1800	39.6	210.0	225
1600	35.2	210.0	225
1400	29.9	204.0	224
1200	24.5	195.0	233
1000	20.3	194.0	231

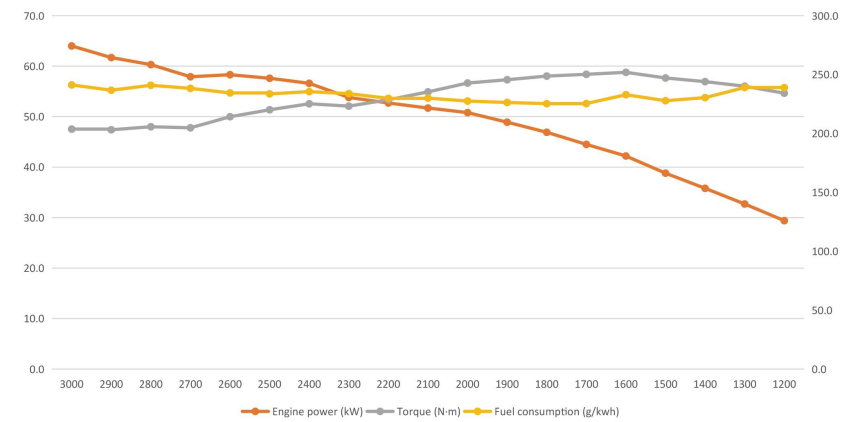


SA432i2



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2600	53.5	196.5	258
2500	53.4	203.9	251
2400	53.3	212.0	245
2300	53.2	221.0	238
2200	52.3	227.0	232
2100	50.6	230.0	227
2000	49.2	235.0	222
1900	47.9	241.0	222
1800	49.1	260.5	219
1700	48.2	271.0	216
1600	46.1	275.0	215
1500	42.6	271.0	212
1400	37.8	258.0	209
1300	34.0	250.0	212
1200	31.4	250.0	214
1100	28.5	247.0	217
1000	25.2	241.0	224

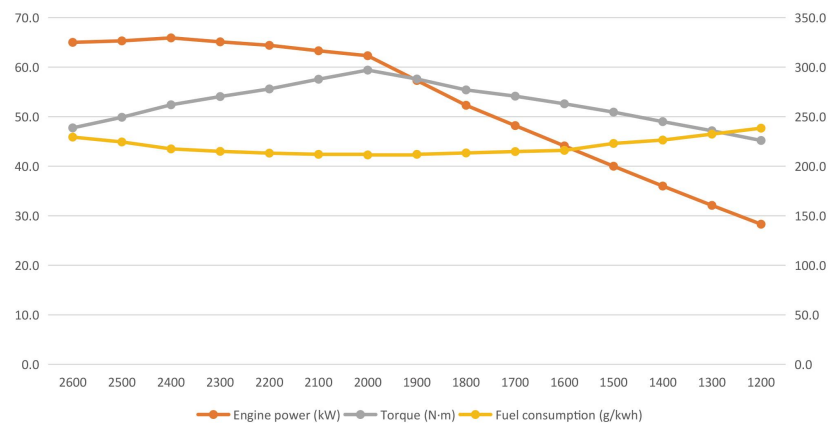
SA432i5



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
3000	64.0	203.7	241
2900	61.7	203.1	237
2800	60.3	205.7	241
2700	57.9	204.8	238
2600	58.3	214.2	234
2500	57.6	220.1	234
2400	56.6	225.2	236
2300	53.8	223.2	234
2200	52.7	228.6	230
2100	51.7	235.3	230
2000	50.8	242.8	228
1900	48.9	245.6	226
1800	48.9	248.7	225
1700	44.5	250.2	225
1600	42.2	251.9	233
1500	38.8	247.1	228
1400	35.8	244.0	230
1300	32.7	240.1	239
1200	29.4	234.2	239

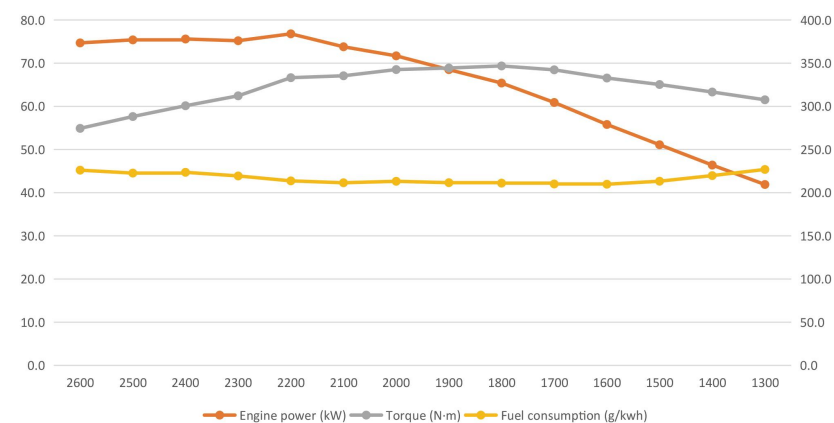


SA432i3



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2600	65.0	238.7	229
2500	65.3	249.4	225
2400	65.9	262.0	218
2300	65.1	270.3	215
2200	64.4	278.0	213
2100	63.3	287.8	212
2000	62.3	297.0	211
1900	57.3	288.0	212
1800	52.3	277.0	213
1700	48.2	270.7	215
1600	44.1	263.0	216
1500	40.0	254.6	223
1400	36.0	245.0	226
1300	32.1	235.8	232
1200	28.3	226.0	238

SA435i1



Speed (rpm)	Engine power (kW)	Torque (N·m)	Fuel consumption (g/kwh)
2600	73.5	269.9	226
2500	75.4	288.2	223
2400	75.6	300.7	224
2300	75.2	312.2	219
2200	76.8	333.2	214
2100	73.8	335.4	212
2000	71.7	342.6	213
1900	68.5	344.4	212
1800	65.4	346.8	211
1700	60.9	342.3	210
1600	55.8	332.8	210
1500	51.1	325.3	213
1400	46.4	316.6	220
1300	41.9	307.6	227