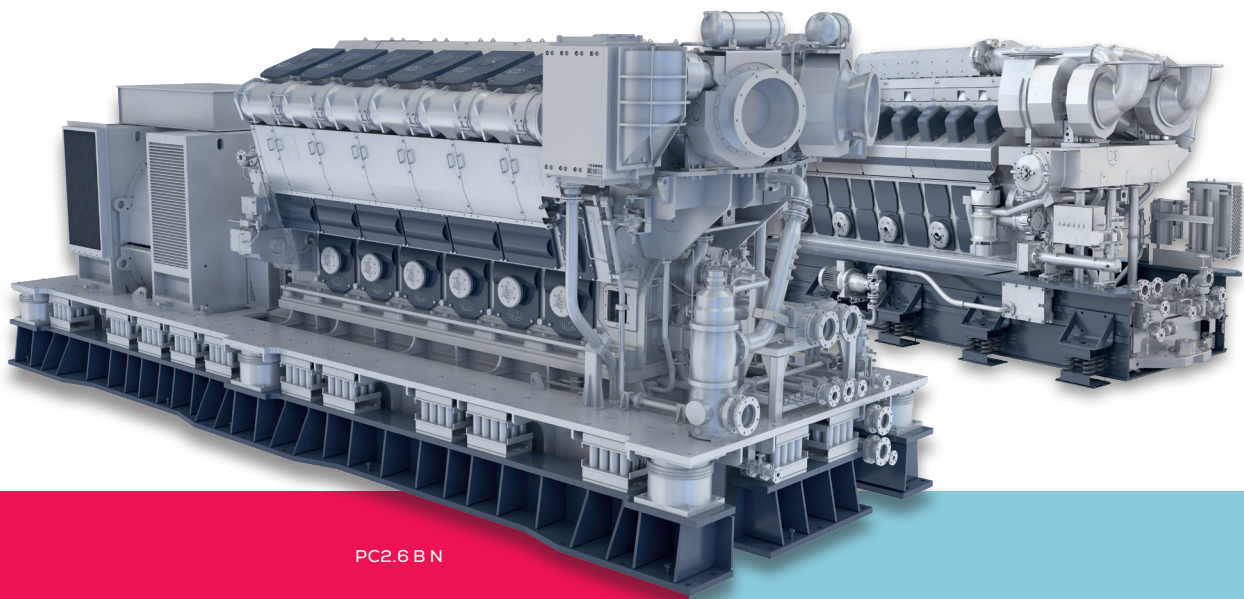


Emergency Diesel Generators



PC2.6 B N

PA6 B N

Our expertise over 50 years enables us to provide safe and highly reliable backup and emergency power solutions complying with international nuclear standards.

Benefits at a glance

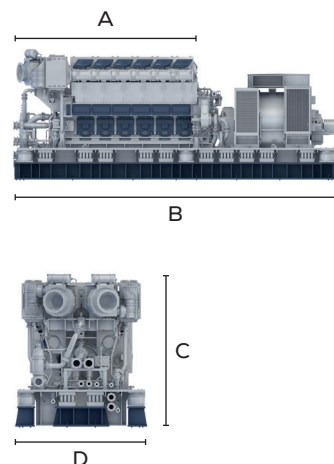
- Widest power range on the market – from 3 MW up to 10.5 MW
- Over 500 emergency generators supplied to more than 200 nuclear reactors in 20 countries
- Fast starting under all conditions
- Rapid response to changing load demand

Everllence

S.E.M.T Pielstick PC2.6 B N

Bore 400 mm, Stroke 500 mm		12 V*	14 V*
MCR ¹	kW _m	8,640	10,500
(maximum continuous rating)	kW _e	8,381	10,185
Engine speed 50/60Hz	rpm	600	600
Dimensions		12 V	14 V
A	mm	7,690	8,430
B	mm	11,890	12,630
C	mm	4,900	4,900
D	mm	4,100	4,100
Genset dry mass	t	210	245

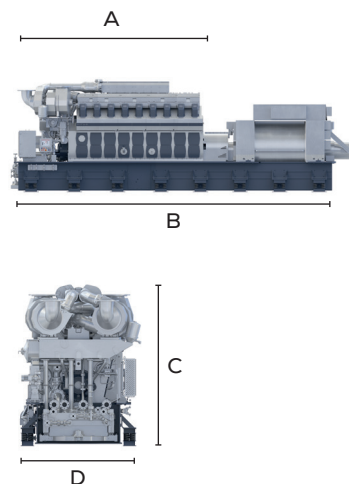
*Other cylinder variants possible on customer request



S.E.M.T Pielstick PA6 B N

Bore 280 mm, Stroke 330 mm		12 V	16 V	18 V	20 V
50 Hz at 1000 rpm: MCR ¹	kW _m	4,440	5,920	6,660	7,400
(maximum continuous rating)	kW _e	4,307	5,742	6,460	7,178
60 Hz at 900 rpm: MCR ¹	kW _m	4,200	5,600	6,300	7,000
(maximum continuous rating)	kW _e	4,074	5,432	6,111	6,790
Dimensions		12 V	16 V	18 V	20 V
A	mm	4,936	5,856	6,316	6,786
B	mm	8,920	9,840	10,300	10,760
C	mm	3,695	3,695	3,695	3,695
D	mm	2,825	2,825	2,825	2,825
Genset dry mass	t	70	80	90	98

¹ 110% overload available Nominal generator efficiencies: 97 %.
All dimensions and masses are approximate and subject to change without prior notice.
Values according to ISO 3046-1:2002; ISO 15550:2002. Last updated September 2025



Applications

- Emergency diesel generators for nuclear power plants or mission critical application
- Baseload and peaking power plants and marine / navy propulsion

Black start capability

- Engine driven pumps for all fluid systems
- Compressed air starting system
- Hydraulic speed governor

Engine output

- Medium-speed engines from 3.0 MW to 10.5 MW

Starting time & loading

- 10 sec. from start order to nominal speed
- 100 % load in < 60 sec.

Reliability

- MTBF > 2000 h
- Startup and loading failure rate < 1 %

Ambient conditions

- Reliable even in severe seismic conditions
- Extreme temperature ranges between -50° C to +50° C and wider

Expert support in all aspects of

- Licensing
- Engineering
- Procurement
- Qualification
- Services

International nuclear standards

- IEEE 387
- KTA 3702
- RCC-E
- IEC

Project management standards

- ISO 9001
- ISO 19443
- ISO 14001
- ISO 45001
- KTA 1401
- GS-R-3
- 10 CFR 50 Appendix B
- ASME NQA-1
- HAF 604

Contact

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