

Type Approval Certificate Extension

This is to certify that Certificate No. 04/00018(E4) for the under noted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Kohler Power Systems N7650 City Rd LS Sheboygan WI 53085 USA	
PLACES OF PRODUCTION	Kohler Power Systems N7650 City Rd LS Sheboygan WI 53085 USA	Kohler Power Systems, Ltd. Kohler Road, Xin Bei District Changzhou, Jiangsu 213032 China
DESCRIPTION	Marine Alternators	
TYPES	4P7, 4P7.3	
APPLICATION	Marine use.	
SPECIFIED STANDARDS	Rules and Regulations for the Classification of Ships Rules and Regulations for the Classification of Special Service Craft	

Certificate No. 04/60018(E5)
Issue Date 25 July 2013
Expiry Date 27 March 2018
Sheet 1 of 5



A.Munden

RATINGS

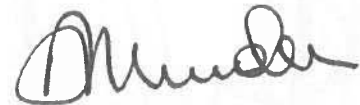
Model	Hertz	Alternator	Voltage	Phase	Output Power (kW)
6.5EFOZD	50	4P7.3	115/230	1	6.5
			230	1	6.5
			240	1	6.5
8EOZD	60	4P7.3	120	1	8
			120/240	1	8
7EFOZD	50	4P7.3	115/230	1	7
			230	1	7
			240	1	7
9EOZD	60	4P7.3	120	1	9
			120/240	1	9
9EFOZD	50	4P7.3	115/230	1	9
			230	1	9
			240	1	9
10EOZD	60	4P7.3	120	1	10
			120/240	1	10
11EFOZD	50	4P7.3	115/230	1	11
			230	1	11
			240	1	11
13EOZD	60	4P7.3	120/240	1	13
11.5EFOZD	50	4P7.3	110/190	3	11.5
			115/230	1	11.5
			115/230	3	11.5
			120/208	3	11.5
			230/400	3	11.5
			240/416	3	11.5

Certificate No. 04/60018(E5)

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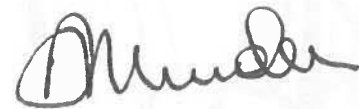
Sheet 2 of 5



A.Munden

Model	Hertz	Alternator	Voltage	Phase	Output Power (kW)
14EOZD	60	4P7.3	120/208	3	14
			120/240	3	14
			120/240	1	14
			127/220	3	14
			139/240	3	14
			277/480	3	14
13EFOZD	50	4P7.3	115/230	1	13
			230	1	13
			240	1	13
15.5EOZD	60	4P7.3	120/240	1	15.5
17EFOZD	50	4P7.3	115/230	1	17
			230	1	17
			240	1	17
20EOZD	60	4P7.3	120/240	1	20
17EFOZD	50	4P7.3	115/230	1	17
			230	1	17
			240	1	17
23EOZD	60	4P7.3	120/240	1	20
20EFOZD	50	4P7.3	110/190	3	19
			115/230	3	19.8
			115/230	1	16
			230	1	20
			240	1	20
			120/208	3	20
			230/400	3	19.8
			240/416	3	20

Certificate No. 04/60018(E5)
Issue Date 25 July 2013
Expiry Date 27 March 2018
Sheet 3 of 5



A.Munden

Model	Hertz	Alternator	Voltage	Phase	Output Power (kW)
24EOZD	60	4P7.3	120/208	3	22.5
			120/240	3	22.5
			120/240	1	18.5
			127/220	3	23.3
			139/240	3	24
			277/480	3	24
25EFOZD	50	4P7.3	110/190	3	25
			115/230	3	25
			115/230	1	25
			230	1	25
			240	1	25
			120/208	3	25
			230/400	3	25
			240/416	3	25
28EOZD	60	4P7.3	120/208	3	28
			120/240	3	28
			120/240	1	28
			127/220	3	28
			139/240	3	28
			277/480	3	28
28EFOZD	50	4P7	110/190	3	28
			115/230	3	28
			115/230	1	27
			230	1	28
			240	1	28
			120/208	3	28
			230/400	3	28
			240/416	3	28
			220/380	3	28

Certificate No. 04/60018(E5)

Issue Date 25 July 2013

Expiry Date 27 March 2018

Sheet 4 of 5



A.Munden

Model	Hertz	Alternator	Voltage	Phase	Output Power (kW)
32EOZD	60	4P7	120/208	3	32
			120/240	3	32
			120/240	1	32
			127/220	3	32
			139/240	3	32
			277/480	3	32

OTHER CONDITIONS

Installation of this equipment for marine applications is to be in accordance with the Rules and Regulations for the Classification of Ships.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 04/60018(E5) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 04/00018(E4) to which this extension should be attached.

Certificate No. 04/60018(E5)
 Issue Date 25 July 2013
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 Sheet 5 of 5



A.Munden