

# GENERATORS

for Commercial Marine



**KOHLER**  
IN POWER. SINCE 1920.



# WE BUILT OUR REPUTATION ON RELIABILITY.

Out on the water, the only thing that matters is reliability. Because everybody knows the money stops as soon as your generator does. That's where we come in.

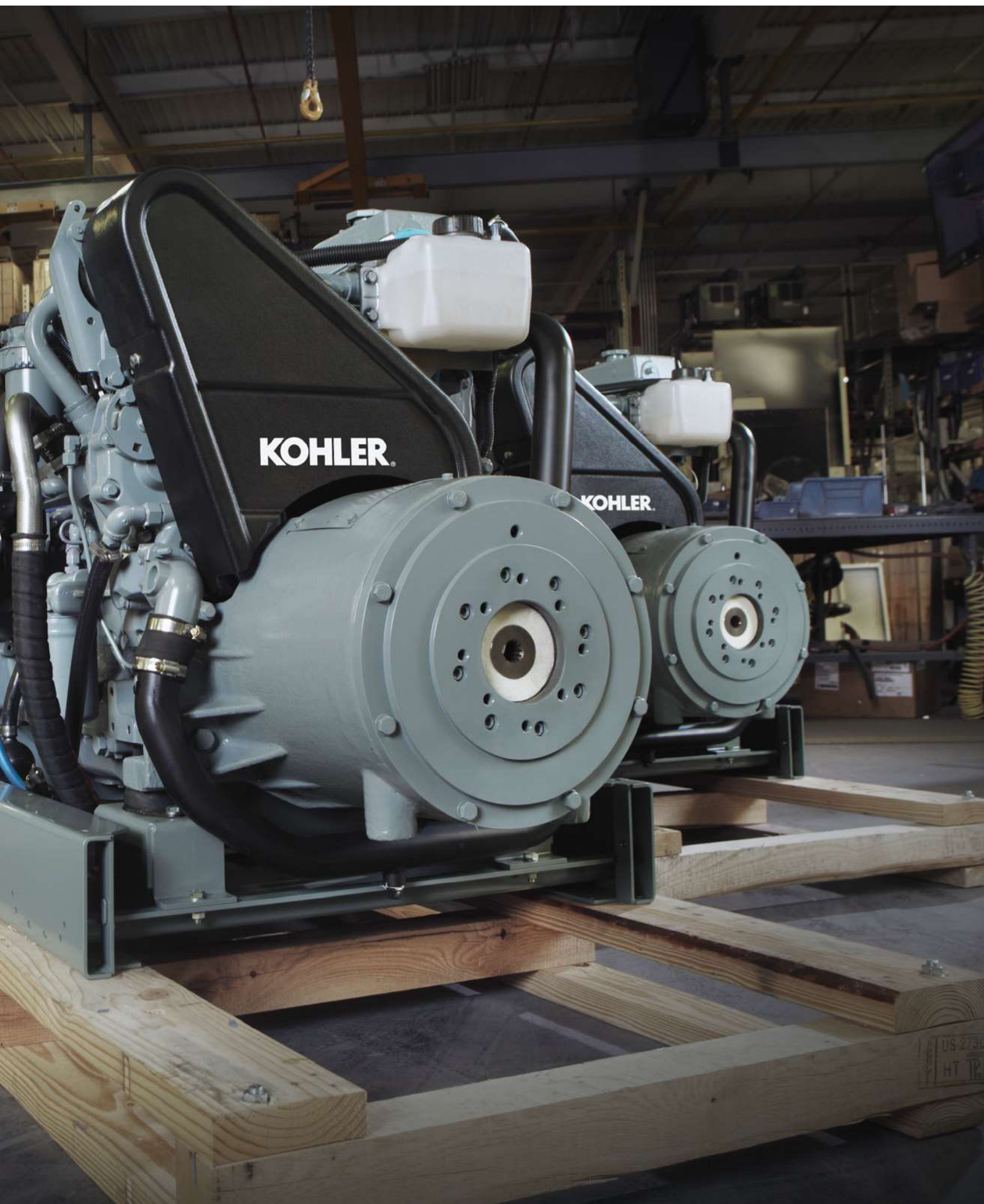
We're Kohler. And for nearly 100 years, we've built some of the best commercial generators on water. Truth is, we're a lot like you. We're good at what we do. And we make no apologies for it.

Every weld, wire and circuit is a badge of honor. If our craftsmen have touched it, it is good and true. And if our name is on it, it's going to work.



*From handcrafted alternators  
to hand-built controllers, we take  
pride in building power systems  
you can depend on.*





**KOHLER.**

**KOHLER.**

US 273  
HT



# THEN WE BUILT THE FUTURE.

## THE FIRST AND ONLY SINGLE-SOURCE GENERATOR PARALLELING SYSTEM



We created the world's first commercial marine generators with factory-installed, pretested paralleling controllers and automatic voltage regulators.\* Everything is automatic and easier to use than ever before.

### Instant Auto Transfer/Paralleling

All Decision-Maker® 3500 controllers are equipped with auto-transfer functionality. When the first generator's load is light, the second generator automatically drops off. When the load is heavy, the second generator automatically comes online to provide the power needed to carry the load. Or if one generator is in trouble, the second generator senses the problem, starts up and takes the load automatically.

### Repower-Ready

The Decision-Maker 3500 is compatible with existing systems, so repowers are easier than ever. When wired for V-bias/S-bias inputs or droop, it can parallel with existing load-share modules for even more installation options.

### Remote Monitoring

Monitor and control your generators from your boat's existing monitoring system. Or enjoy a more comprehensive experience with generator-specific monitors from Kohler.

### Proper Engine Combustion

Our electronically controlled high-pressure common rail fuel system provides just the right amount of fuel at just the right time.

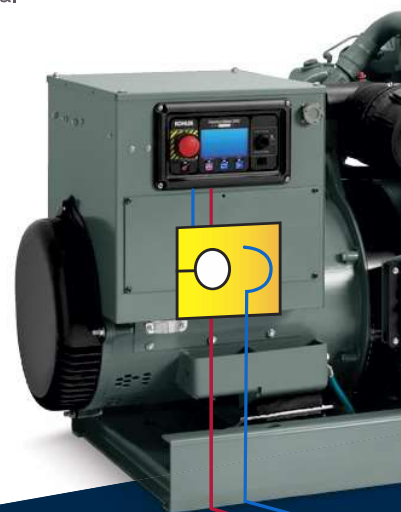
### Corrosion and Vibration Protection

Fully potted circuit boards and sealed connectors protect the controller and alternator from marine environmental conditions and heavy vibration.

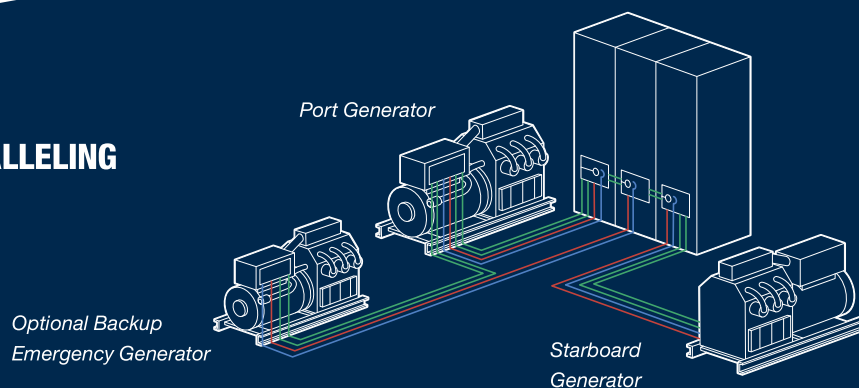
### Kohler-Made

Nearly every component is designed, built and serviced by Kohler. Just the way it should be.

\*Patents pending and certifications granted



## CONVENTIONAL PARALLELING

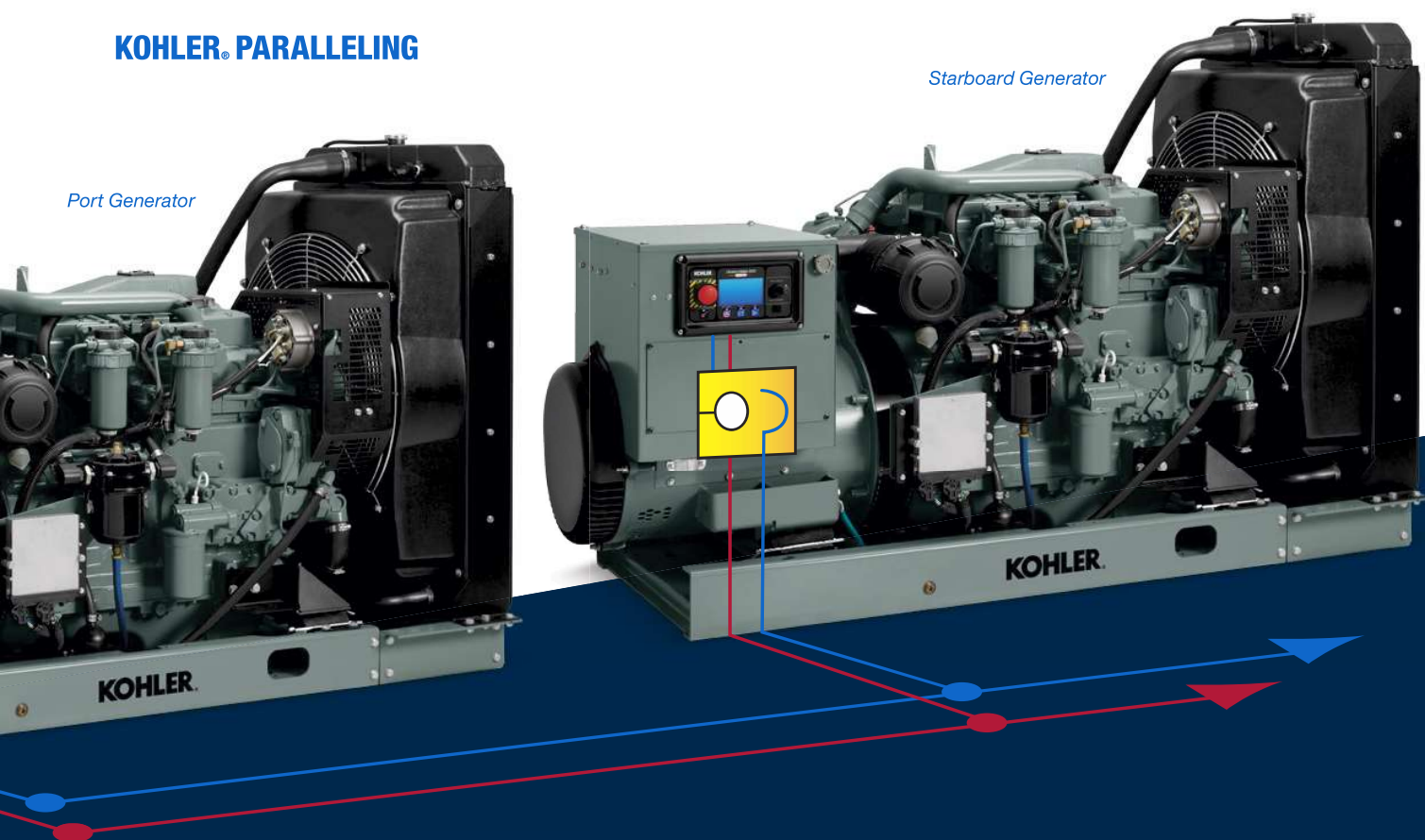


# nnovation


## KOHLER® PARALLELING

Port Generator

Starboard Generator



- AC Wiring
- Paralleling Wires
- Voltage and Speed Bias Wires
- Motorized Circuit Breaker



# botto

## IT'S ALL ABOUT YOUR BOTTOM LINE.

# lin

At the end of the day, all we care about is  
boosting your business. It's that simple.

That's why we created the Decision-Maker<sup>®</sup> 3500 controller. It eliminates the need for expensive, oversized switchgear, costly add-ons and complicated installations. Which means you save big on cost and space.

Not only that, our new controllers feature auto-transfer functionality. If one generator is in trouble, the second generator senses the problem, starts up and takes on the load—automatically. You won't lift a finger. Your boat will never be dead in the water. And you can keep your business in business.


*Our exclusive paralleling controller features an easy-to-use digital display. And it's multilingual, displaying text in English, Spanish, Arabic, Chinese or Portuguese.*





im  
ne





# TAKE A CLOSER LOOK AT THE BENEFITS TO YOUR BUSINESS.

## 1 KOHLER. DECISION-MAKER. 3500 CONTROLLER

- Easy-to-read 4.3-inch LED backlit color graphic LCD display
- Functions include bus sensing, first-on logic and synchronization
- Monitors critical power information: voltage, current, frequency, power
- Monitors critical engine information: oil pressure, coolant temperature, fuel flow, runtime, battery voltage
- Monitors analog inputs, warnings and faults
- Remote-start and remote-stop convenience
- Single- and 3-phase paralleling available
- Seamless transfer to shore power

## 2 SMALLER, MORE ADVANCED ALTERNATOR\*

- KOHLER Fast-Response® X alternator with 12-lead, multivoltage reconnectable stators and permanent-magnet exciter are standard
- Electronic isochronous governing is standard (frequency regulation: .5%, voltage regulation: +/- .5%†)
- Premium isolated-ground DC electrical system is standard
- 50 and 60 Hz models available
- Easier maintenance—split activator relocated to front of alternator for easy access

\*Compared to previous KOHLER FR2 alternators.  
†Except 40EOZDJ/33EFOZDJ and 40EOZCJ/33EFOZCJ models.  
‡Compared to previous KOHLER generator models.





### 3 SMALLER FOOTPRINT<sup>‡</sup>

- Overall footprint is 16 inches shorter, for more power density in a smaller package<sup>‡</sup>
- Easy to install and repower; fits into smaller applications where other generators can't
- Pre-engineered cooling system packages available in heat-exchange, radiator and keel-cooled versions

### 4 HIGH-PRESSURE COMMON RAIL FUEL SYSTEM

- Dramatically reduces the effects of poor performance (cylinder wall glazing, engine slobber, etc.)
- Available on Tier 3-compliant models
- Manages electrical operating speed for short dips with fast recovery
- An industry best for optimal performance with large loads
- Meets the highest emission standards in the world

### 5 QUIETER, WITH LESS VIBRATION<sup>‡</sup>

- Redesigned sound shield with separate engine and alternator compartments
- Improved air management for lower sound levels<sup>‡</sup>
- Improved mounts provide less vibration<sup>‡</sup>
- Sound shield separates "cool air in" from "warm air out" for improved hot/cold air management and overall performance





# **WHY KOHLER®**

## **PROVEN RELIABILITY**

We are a company of craftsmen guided by a single purpose: quality. Every KOHLER commercial marine generator is extensively quality-tested start to finish—before model release and before leaving the factory. The result is proven reliability.

## **NO-HASSLE WARRANTY**

We cover the first year, with the option to extend to three years.

## **GLOBAL SUPPORT**

With nearly 1000 sales and service locations around the world, we're everywhere you go.

**KOHLER®**  
**IN POWER. SINCE 1920.**

**AMERICAS  
CARIBBEAN**  
920 565 3381  
800 544 2444  
Fax 920 459 1646

**CHINA**  
+86 21 26062169  
+86 400 1808 900

**EUROPE  
MIDDLE EAST  
AFRICA**  
+31 168 331630  
Fax +31 168 331631

**SOUTHEAST ASIA**  
+65 6660 2681  
Fax +65 6264 6455

**INDIA**  
+91 80 42867000  
Fax +91 80 23615972

**KOHLER®**  
IN POWER. SINCE 1920.

**9001**  
**KOHLER**  
POWER SYSTEMS  
NATIONALLY REGISTERED

**KOHLERPOWER.COM**

Printed in U.S.A. G12-447 11/16 © 2016 by Kohler Co.



## MARINE GENERATOR SPECIFICATIONS



**KOHLER®**  
IN POWER. SINCE 1920.

Generator Model*									kW†	Hz	Cylinder	RPM	Phase	Voltage	Amps	Length x Width x Height mm (in) U – Unhoused / R – Radiator	Weight (Wet) kg (lb)
DIESEL	40EOZCJ	40	60	4	1800	3	120 / 208	139	U – 1524 (60) x 722 (28.4) x 960 (37.8) R – 1858 (73.2) x 827 (32.6) x 1265 (49.8)	U – 935 (2060) R – 957 (2110)†							
							1	120 / 240			120						
								120 / 240			150						
						3	127 / 220	131									
							139 / 240	120									
							277 / 480	60									
	33EFOZCJ	33	50		1500	3	110 / 190	125									
							110 / 220	108									
							115 / 230	143									
						1	220 / 380	63									
							3	230 / 400			60						
								240 / 416			57						
	40EFOZCJ	40	50	4	1500	3	110 / 190	152									
							110 / 220	131									
							115 / 230	174									
						1	220 / 380	76									
							3	230 / 400	72								
								240 / 416	69								
	50EFOZCJ	50	50	4	1500	3	110 / 190	190									
							110 / 220	164									
							115 / 230	196									
						1	220 / 380	95									
							3	230 / 400	90								
								240 / 416	87								
	55EOZCJ	55	60	4	1800	3	120 / 208	191									
							120 / 240	165									
							120 / 240	221									
						1	127 / 220	180									
							3	139 / 240	165								
								277 / 480	83								
	45EFOZCJ	45	50		1500	3		110 / 190	171								
							110 / 220	148									
115 / 230							196										
1							220 / 380	86									
							3	230 / 400	79								
								240 / 416	71								
65EOZCJ	65	60	4	1800	3	120 / 208	226										
						120 / 240	195										
						120 / 240	221										
					1	127 / 220	213										
						3	139 / 240	195									
							277 / 480	98									
55EFOZCJ	55	50		1500	3		110 / 190	209									
						110 / 220	181										
						115 / 230	217										
						1	220 / 380	105									
							3	230 / 400	95								
								240 / 416	89								
80EOZCJ	80	60	4	1800	3	120 / 208	278										
						120 / 240	241										
						127 / 220	262										
						1	139 / 240	241									
							3	277 / 480	120								
								110 / 190	266								
70EFOZCJ	70	50		1500	3	110 / 220		230									
						220 / 380	133										
						230 / 400	126										
						240 / 416	121										
						99EOZCJ	99	60	4	1800	3	120 / 208	343				
												120 / 240	298				
127 / 220	325																
1	139 / 240	298															
	3	277 / 480	149														
		110 / 190	304														
80EFOZCJ		80	50	1500	3	110 / 220	262										
	220 / 380					152											
	230 / 400					144											
	240 / 416					139											
	125EOZCJ					125	60	6		1800	3	120 / 208	434				
												120 / 240	376				
127 / 220		410															
1		139 / 240	376														
		3	277 / 480	188													
			110 / 190	380													
100EFOZCJ	100		50	1500	3	120 / 208	347										
		110 / 220				328											
		220 / 380				190											
		230 / 400				180											
		240 / 416				173											
		150EOZCJ				150	60		6	1800	3	120 / 208	520				
120 / 240	451																
127 / 220	492																
1	139 / 240		451														
	3		277 / 480	226													
			110 / 190	474													
125EFOZCJ		125	50	1500	3	120 / 208	433										
	110 / 220					409											
	220 / 380					237											
	230 / 400					225											
	240 / 416					217											
	200EOZCJ					200	60	6		1800	3	120 / 208	695				
120 / 240		602															
127 / 220		657															
1		139 / 240	602														
		3	277 / 480	301													
			110 / 190	666													
175EFOZCJ	175		50	1500	3	110 / 220	575										
		220 / 380				333											
		230 / 400				316											
		240 / 416				304											
		200EOZCJ				200	60										
									175EFOZCJ	175	50						
200EOZCJ	200		60														
				175EFOZCJ	175			50									
												200EOZCJ	200	60			
															175EFOZCJ	175	50

\*Commercial models are unhoused.

**AMERICAS/CARIBBEAN**  
920-565-3381  
800-544-2444  
Fax 920-459-1646

Printed in U.S.A. G12-438 11/16 © 2016 by Kohler Co.