# Model: 350ROZD

# **KOHLER** POWER SYSTEMS

360-400

**Diesel** 



Standby:

## **Ratings Range**

kVA

60 Hz 50 Hz kW 305-360 288-320

381-450

Prime: kW 275-325 260-288 kVA 344-406 325-360

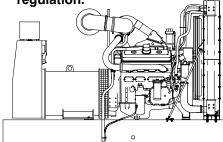
## **Generator Ratings**

Camerator   Coltage   PH   Hz   Kaling   Rating   KW/kVA   KWkVA   K					130°C	105°C	150°C	125°C
Generator   Voltage   PH   Hz   Rating   Rating   Rw/kVA   kW/kVA   kW/kXA   kW/kx   kW/kx kx/x   kw/kxixin   kw					Rise	Rise	Rise	Rise
Content					-			
### Tign	Generator	Voltage	PH	Hz				
### AM4019    139/240		120/208	3	60	350/438	320/400	355/444	320/400
AM4019  4M4019  4M4021  4M4021		127/220	3	60	355/444	320/400	355/444	320/400
### AM4019    AM4019	İ	139/240	3	60	360/450	325/406	360/450	325/406
### AM4019    AM4019		220/380	3	60	305/381	275/344	305/381	275/344
### AM4019    110/190		240/416	3	60	350/438	320/400	355/444	320/400
110/190	4844010	277/480	3	60	360/450	325/406	360/450	325/406
120/208	41014019	110/190	3	50	300/375	272/340	316/395	288/360
220/380			3	50		268/335		
230/400 3 50 296/370 268/335 316/395 288/360 240/416 3 50 288/360 260/325 316/395 288/360 120/208 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 315/394 285/356 315/394 285/356 240/416 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 120/208 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 50 320/400 288/360 3		120/208	3	50	288/360	260/325	316/395	288/360
240/416 3 50 288/360 260/325 316/395 288/360 120/208 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 315/394 285/356 315/394 285/356 240/416 3 60 360/450 325/406 360/450 325/406 277/480 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 120/208 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 240/416 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 240/416 3 60 360/450 325/406 360/450 325/406 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 60 360/450 325/406 360/450 325/406 5M4162 220/380 3 60 360/450 325/406 360/450 325/406								•
120/208			_					·
127/220 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 315/394 285/356 315/394 285/356 240/416 3 60 360/450 325/406 360/450 325/406 277/480 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 127/220 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360		240/416	_	50	288/360	260/325	316/395	288/360
139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 315/394 285/356 315/394 285/356 240/416 3 60 360/450 325/406 360/450 325/406 277/480 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 120/208 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 127/220 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 240/416 3 60 360/450 325/406 360/450 325/406 240/416 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/401 3 50 320/400 288/360 320/400 288/360 230/403 3 50 320/400 288/360 320/400 288/360 230/403 3 50 320/400 288/360 320/400 288/360 230/403 3 50 320/400 288/360 320/400 288/360 230/403 3 50 320/400 288/360 320/400 288/360		120/208	3	60	360/450	325/406	360/450	325/406
AM4021  4M4021  4M44021  4M44158  4M4021  220/380  3 60  315/394  315/394  325/406  325/406  325/406  325/406  325/406  325/406  325/406  325/406  320/400  288/360  325/406  360/450  325/406		· '	3	60	•	325/406		325/406
4M4021  4M4021  240/416 3 60 360/450 325/406 360/450 325/406 277/480 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 120/208 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 127/220 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 139/240 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 220/380 3 60 360/450 325/406 360/450 325/406 240/416 3 60 360/450 325/406 360/450 325/406 240/416 3 60 360/450 325/406 360/450 325/406 110/190 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360		139/240	3	60	360/450	325/406	360/450	325/406
4M4021  277/480		220/380	3	60	315/394	285/356	315/394	285/356
4M4021         110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406 <tr< td=""><td></td><td>240/416</td><td>3</td><td>60</td><td>360/450</td><td>325/406</td><td>360/450</td><td>325/406</td></tr<>		240/416	3	60	360/450	325/406	360/450	325/406
5M4027         110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360 <tr< td=""><td>4144001</td><td>277/480</td><td>3</td><td>60</td><td>360/450</td><td>325/406</td><td>360/450</td><td>325/406</td></tr<>	4144001	277/480	3	60	360/450	325/406	360/450	325/406
120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           120/208 <td>41014021</td> <td>110/190</td> <td>3</td> <td>50</td> <td>320/400</td> <td>288/360</td> <td>320/400</td> <td>288/360</td>	41014021	110/190	3	50	320/400	288/360	320/400	288/360
220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           110/190         3         50         320/400         288/360         320/400         288/360           120/208 <td></td> <td>115/200</td> <td>3</td> <td>50</td> <td>320/400</td> <td>288/360</td> <td>320/400</td> <td></td>		115/200	3	50	320/400	288/360	320/400	
230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380 <td></td> <td>120/208</td> <td>3</td> <td>50</td> <td>320/400</td> <td>288/360</td> <td>320/400</td> <td>288/360</td>		120/208	3	50	320/400	288/360	320/400	288/360
240/416         3         50         320/400         288/360         320/400         288/360           120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
5M4027         120/208         3         60         360/450         325/406         360/450         325/406           127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360 <tr< td=""><td></td><td>· '</td><td></td><td></td><td>•</td><td>288/360</td><td>320/400</td><td>288/360</td></tr<>		· '			•	288/360	320/400	288/360
5M4027         127/220         3         60         360/450         325/406         360/450         325/406           139/240         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360 <tr< td=""><td></td><td>240/416</td><td>3</td><td>50</td><td>320/400</td><td>288/360</td><td>320/400</td><td>288/360</td></tr<>		240/416	3	50	320/400	288/360	320/400	288/360
5M4027         3         60         360/450         325/406         360/450         325/406           220/380         3         60         360/450         325/406         360/450         325/406           240/416         3         60         360/450         325/406         360/450         325/406           277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           4M4158         220/380         3         60         360/450         325/406         360/450         325/406				60	•	325/406	360/450	325/406
5M4027  220/380			_		•			•
5M4027  240/416 3 60 360/450 325/406 360/450 325/406  2777/480 3 60 360/450 325/406 360/450 325/406  110/190 3 50 320/400 288/360 320/400 288/360  115/200 3 50 320/400 288/360 320/400 288/360  120/208 3 50 320/400 288/360 320/400 288/360  220/380 3 50 320/400 288/360 320/400 288/360  220/380 3 50 320/400 288/360 320/400 288/360  230/400 3 50 320/400 288/360 320/400 288/360  240/416 3 50 320/400 288/360 320/400 288/360  4M4158 220/380 3 60 360/450 325/406 360/450 325/406  5M4162 220/380 3 60 360/450 325/406 360/450 325/406  4M4266 347/600 3 60 360/450 325/406 360/450 325/406		,			,	,	,	,
5M4027         277/480         3         60         360/450         325/406         360/450         325/406           110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           4M4158         220/380         3         60         360/450         325/406         360/450         325/406           5M4162         220/380         3         60         360/450         325/406         360/450         325/406           4M4266         347/600         3         60         360/450         325/406         360/450         325/406	]		_					
5M4027         110/190         3         50         320/400         288/360         320/400         288/360           115/200         3         50         320/400         288/360         320/400         288/360           120/208         3         50         320/400         288/360         320/400         288/360           220/380         3         50         320/400         288/360         320/400         288/360           230/400         3         50         320/400         288/360         320/400         288/360           240/416         3         50         320/400         288/360         320/400         288/360           4M4158         220/380         3         60         360/450         325/406         360/450         325/406           5M4162         220/380         3         60         360/450         325/406         360/450         325/406           4M4266         347/600         3         60         360/450         325/406         360/450         325/406		· '			•	l '		
110/190 3 50 320/400 288/360 320/400 288/360 115/200 3 50 320/400 288/360 320/400 288/360 120/208 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 4M4158 220/380 3 60 360/450 325/406 360/450 325/406 5M4162 220/380 3 60 360/450 325/406 360/450 325/406 4M4266 347/600 3 60 360/450 325/406 360/450 325/406	5M4027	277/480	3	60	360/450	325/406	360/450	325/406
120/208 3 50 320/400 288/360 320/400 288/360 220/380 3 50 320/400 288/360 320/400 288/360 230/400 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 240/416 3 50 320/400 288/360 320/400 288/360 4M4158 220/380 3 60 360/450 325/406 360/450 325/406 5M4162 220/380 3 60 360/450 325/406 360/450 325/406 4M4266 347/600 3 60 360/450 325/406 360/450 325/406	31014027	110/190	3	50	320/400	288/360	320/400	288/360
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4M4158     220/380     3     60     360/450     325/406     360/450     325/406       5M4162     220/380     3     60     360/450     325/406     360/450     325/406       4M4266     347/600     3     60     360/450     325/406     360/450     325/406					·	,		
5M4162         220/380         3         60         360/450         325/406         360/450         325/406           4M4266         347/600         3         60         360/450         325/406         360/450         325/406					· ·			-
4M4266 347/600 3 60 360/450 325/406 360/450 325/406	4M4158	220/380		60	360/450	325/406	360/450	325/406
	5M4162	220/380	3	60	360/450	325/406	360/450	325/406
5M4272         347/600         3         60         360/450         325/406         360/450         325/406	4M4266	347/600	3	60	360/450	325/406	360/450	
	5M4272	347/600	3	60	360/450	325/406	360/450	325/406

### **Standard Features**

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- All generator sets and components are prototype tested, factory built, and production tested.
- Generator set provides one-step load acceptance per NFPA 110.
- A one-year limited warranty covers all systems and components. Two-, five-, and ten-year extended warranties are available.
- Generator features:
  - Brushless, rotating-field generator has broadrange reconnectability.
  - Permanent-magnet, pilot-excited generator (PMG) provides superior short-circuit capability.
- Other features:
  - Controllers are available to meet all applications. See controller features inside.
  - Low coolant level shutdown protects generator set from overheating.
  - Integral vibration isolation eliminates the need for installation of vibration spring isolators under the unit.

 Electronic, isochronous governor provides precise frequency regulation.



RATINGS: Standby ratings are continuous for the duration of any power outage. No overload capacity is specified at this rating. Prime ratings are continuous per BS 5514, DIN 6271, ISO-3046, and IEC 34-1 with 10% overload capacity one hour in twelve hours. All single-phase units are rated at 1.0 power factor. All 3-phase units are rated at 0.8 power factor. Contact the factory for ratings of city water-cooled and remote radiator models. Larger alternators may be used to meet special application requirements. Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler Co. generator distributor for availability. GENERAL GUIDELINES FOR DERATION: ALTITUDE: Derate 1.5% per 1000 ft. (305 m) elevation above 3300 ft. (1006 m). TEMPERATURE: Derate 1.0% per 10°F (5.5°C) temperature increase above 77°F (25°C).

# **Alternator Specifications**

II-Series <sup>™</sup> Generator	
4-Pole, Rotating Field	
Brushless Permanent Magnet Pilot Exciter	
d State, Volts/Hz	
ss H, Synthetic, hygroscopic	
°C, 150°C Standby	
Sealed	
Flexible Disc	
Full	
125% (60Hz) 150% (50Hz)	
25%	
100% of Rating	
% dip for voltages ed)	
0 (60Hz), 1000 (50Hz) 0 (60Hz), 1000 (50Hz) 0 (60Hz), 1250 (50Hz) 0 (60Hz) 0 (60Hz) 0 (60Hz)	
0 (6	

- Compliance with NEMA, IEEE, and ANSI standards for temperature rise.
- Sustained short-circuit current up to 300% of rated current for up to 10 seconds.
- Sustained short-circuit capability enabling downstream circuit breakers to trip without collapsing the generator field.
- Self-ventilation and drip-proof construction.
- Superior voltage waveform from two-thirds pitch windings and skewed stator.
- Digital solid-state, volts-per-hertz voltage regulator with ±0.25% no-load to full-load regulation.
- Brushless alternator with brushless pilot exciter for excellent load response.

## **Application Data**

### Fnaine

## **Engine Electrical**

Engine Specifications	60 Hz	50 Hz	
Manufacturer	Detroit	Detroit Diesel	
Engine, model, type	8V-92TA, (8083-7405) 2-Cycle, Turbocharged, Aftercooled		
Cylinder arrangement	8-	-V	
Displacement, cu. in. (L)	736 (	12.1)	
Bore and stroke, in. (mm)	4.84 (123)	x 5.00 (127)	
Compression ratio	17.	0:1	
Piston speed, ft/min. (m/sec.)	1500 (7.6)	1250 (6.3)	
Main bearings: number, type	5, Replace	5, Replaceable Insert	
Rated rpm	1800	1800 1500	
Max. power at rated rpm, hp (kW)	568 (424)	500 (373)	
Cylinder head material	Cast	lron	
Crankshaft material	Forge	d Steel	
Valve (exhaust) material	Pyron	net 31	
Governor, type, make/model	Electronic, Barber-Colman Dyna 8000		
Frequency regulation, no load to full load	ad to full		
Frequency regulation, steady state ±0.25%		25%	
Air cleaner type, all models Dry		ry	

Fx	h	а	п	st

Exhaust System	60 Hz	50 Hz
Exhaust flow at rated kW, cfm (m <sup>3</sup> /min.)	3310 (93.7)	2955 (83.7)
Exhaust temperature at rated kW, dry exhaust, °F (°C)	705 (374)	690 (366)
Maximum allowable back pressure, in. Hg (kPa)	2.0 (6.8)	1.4 (4.7)
Engine exhaust outlet size, in. (mm)	See ADV	Drawing

Engine Electrical System	60 Hz	50 Hz
Battery charging alternator:		
Ground (negative/positive)	Neg	ative
Volts (DC)	2	24
Ampere rating	6	35
Starter motor rated voltage (DC)	24	
Recommended battery cold cranking amps (CCA) rating	950 above 32°F (0°C), 1250 below 32°F (0°C)	
Quantity of batteries	2 above 32°F (0°C), 4 below 32°F (0°C)	
Battery voltage (DC)	12	
Rolling current at 32°F (0°C)	_	

#### **Fuel**

Fuel System	60 Hz	50 Hz	
Fuel supply line, min. ID, in. (mm)	0.5 (13)		
Fuel return line, min. ID, in. (mm)	0.31	0.31 (7.9)	
Max. lift, engine-driven fuel pump, ft. (m)	6.8 (2.1)		
Max. fuel flow, gph (Lph)	88 (333) 85 (32		
Fuel prime pump	Not Available		
Fuel filter	2, Primary/Secondary		
Recommended fuel	#2 Diesel		

#### Lubrication

Lubricating System	60 Hz	50 Hz
Туре	Full Pressure	
Oil pan capacity, qts. (L)	23.0 (21.9)	
Oil pan capacity with filter, qts. (L)	25.0 (23.8)	
Oil filter, quantity, type	2, Cartridge	
Oil cooler	Water-Cooled	

## **Application Data**

### **Cooling (Standard Radiator)**

Cooling System	60 Hz	50 Hz
Ambient temperature °F (°C)	110 (43)	
Engine jacket water capacity, gal. (L)	7.3 (27.0)	
Radiator system capacity, including engine, gal. (L)	23.3 (	(87.6)
Engine jacket water flow, gpm (Lpm)	160 (606)	133 (505)
Heat rejected to cooling water at rated kW, dry exhaust Btu/min.	17608	15500
Water pump type	Centrifugal	
Fan diameter, including blades, in. (mm)	40 (1016)	
Fan hp (kW)	30 (22.4)	17 (12.7)
Max. restriction of cooling air, intake and discharge side of rad., in. H <sub>2</sub> O (kPa)	nd 0.5 (0.125)	

### **Cooling (Optional Systems)**

High Ambient Radiator System	60 Hz	50 Hz
Ambient temperature °F (°C)	122 (50)	
Engine jacket water capacity, gal. (L)	7.3 (27.0)	
Radiator system capacity, including engine, gal. (L)	_	_
Engine jacket water flow, gpm (Lpm)	160 (606)	133 (505)
Heat rejected to cooling water at rated kW, dry exhaust Btu/min.	17608	15500
Water pump type	Centr	ifugal
Fan diameter, including blades, in. (mm)	43 (1092)	
Fan hp (kW)	29 (21.6)	17 (12.7)
Max. restriction of cooling air, intake and discharge side of rad., in. H <sub>2</sub> O (kPa)		

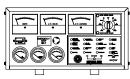
Remote Radiator System*	60 Hz	50 Hz
Exhaust manifold type	Dry	
Connection sizes:		
Water inlet, in. (mm)	3.0 (76) ID Hose	
Water outlet, in. (mm)	(2) 2.25 (57) ID Hose	
Static head allowable above engine, ft. (m)		5.25)
*Contact your local distributor for cooling system options and specifications based on your specific application.		

City Water Cooling System	60 Hz	50 Hz
Exhaust manifold type	Dry	
System capacity, gal. (L)	12.3 (46.5)	
City water consumption, gpm (Lpm) at 50°F (10°C)	25 (95)	21 (79)
Connection sizes:		
Water inlet, in.	1.5 NPT	
Water outlet, in	1.0 NPT	

### **Operation Requirements**

	Air Requirements	60 Hz	50 Hz
	Radiator-cooled cooling air, cfm (m³/min.)	22600 (640)	18800 (532)
	Cooling air required for gen. set when equipped with CWC or remote radiator, based on 25°F (14°C) rise and ambient temp. of 85°F (29°C), cfm (m³/min.)	9100 (257)	8900 (252)
Ī	Combustion air, cfm (m³/min.)	1525 (43)	1380 (39)
	Heat rejected to ambient air:	, ,	, ,
	Engine Btu/min	2660	2500
	Generator Btu/min.	1310	1370
	Fuel Consumption	60 Hz	50 Hz
	Diesel, gph (Lph) at % load		
	100%	27.2 (102.9)	22.2 (83.9)
	75%	20.8 (78.7)	16.4 (62.0)
1	50%	15.0 (56.7)	11.8 (44.6)
4	25%	9.6 (36.3)	7.1 (26.9)

## **Controllers**



#### **Standard Controller**

#### Decision-Maker ™ 3+. 16-Light Controller

Audio/visual annunciation with NFPA-110, Level 1 capability Microprocessor logic with AC meters and engine gauges Compatible with 12-volt and 24-volt engine electrical systems Remote start, prime power, and remote annunciation capability

#### **Optional Controllers**

#### Decision-Maker ™ 340 Controller

Audio/visual annunciation with NFPA-110, Level 1 capability Programmable microprocessor logic with digital display Compatible with 12-volt and 24-volt engine electrical systems Remote start, prime power, remote annunciation, and remote communication capability

#### Decision-Maker ™ 3+, 7-Light Controller

Audio/visual annunciation with NFPA-110, Level 2 capability Microprocessor logic with AC meters and engine gauges Compatible with 12-volt and 24-volt engine electrical systems Remote start, prime power, and remote annunciation capability

#### **Oversized Meterbox Controllers**

Provides additional space for optional engine oil temperature gauge, tachometer, and wattmeter

Available with 16-light or 7-light annunciation and microprocessor logic Same features as Decision-Maker™ 3+ controller Compatible with 12-volt and 24-volt engine electrical systems

#### Engine Gauge Box Controller for Paralleling Switchgear

Interfaces between generator set and switch gear for paralleling switch gear applications

Engine gauges with emergency stop switch

Compatible with 24-volt engine electrical systems only

NOTE: See the respective controller spec sheet for additional controller features and accessories.

KOHLER CO., Kohler, Wisconsin 53044 U.S.A. Phone 920-565-3381, Web site www.kohlergenerators.com Fax 920-459-1646 (U.S.A. Sales), Fax 920-459-1614 (International) For the nearest sales and service outlet in U.S.A. and Canada Phone 1-800-544-2444

Kohler® Power Systems Asia Pacific Headquarters 7 Jurong Pier Road Singapore 619159 Phone (65)264-6422, Fax (65)264-6455

## **Accessories**

	Enclosed Unit	Controller (Standard Controller)	
	Exhaust Silencer, Critical or Residential	☐ Common Failure Relay Kit	
_	Silencer Mounting Kit for Housing		
	-		
	Tail Pipe and Rain Cap Kit	! <del>-</del>	
ш	Weather Housing	Dry Contact Kit (Isolated Alarm)	
	Open Unit	Extension Wiring Harness for Remote Mounting of Controller	
	Exhaust Silencer, Critical or Residential	FASTCHECK® Diagnostic Fault Detector	
	Flexible Exhaust Connector, Stainless Steel	Prealarm Sender Kit	
	Cooling System	Remote Audio/Visual Alarm Panel	
	Block Heater	Remote Emergency Stop Kit	
	City Water Cooling	Run Relay Kit	
	Radiator Duct Flange	☐ Tachometer Kit/Oversized Meterbox	
	Remote Radiator Cooling	☐ Wattmeter Kit/Oversized Meterbox	
	Fuel System	Miscellaneous Accessories	
	Day Tanks		
	Flexible Fuel Lines		
	Fuel Pressure Gauge		
	Subbase Fuel Tanks	<u> </u>	
	Subbase Fuel Tanks Subbase Fuel Tanks	<u> </u>	
	Suppase rue Tanks	<u> </u>	
	Electrical System	<u> </u>	
	Battery	<u> </u>	
	Battery Charger, Equalize/Float Type		
	Battery Charger, Trickle Type		
	Battery Heater		
	Battery Rack and Cables (standard)		
	Engine and Generator	WEIGHTS AND DIMENSIONS	
	Air Cleaner, Heavy Duty	Overall Size, L x W x H, in. (mm): 114.00 x 50.00 x 81.54	
	Air Cleaner Restriction Indicator	(2896 x 1270 x 2071)	
	Bus Bar Kits	Weight (Radiator Model), wet lb. (kg): 7040 (3193)	
	Generator Strip Heater		
	Line Circuit Breaker		
	Line Circuit Breaker with Shunt Trip		
	NFPA 110 Literature	│║	
	Oil Drain Extension with Valve Kit		
	Optional Generators		
	Rated Power Factor Testing		
	Safeguard Breaker		
	Paralleling System		
	Load-Sharing Module	NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.	
	Reactive Droop Compensator	DISTRIBUTED BY:	
	Remote Speed Adjust Potentiometer/Electronic Governor	DISTRIBUTED BY:	
	Voltage Adjust Potentiometer		
	Voltage Regulator Relocation Kit		
	Maintenance		
	General Maintenance Literature Kit		
	Maintenance Kit (includes air, oil, and fuel filters)		
	Overhaul Literature Kit		