

RECEPTACLE

## Industrial/Standby Generators



# Industrial/Standby Generators

MQ Power's high-performing industrial standby generators are ideally suited for use at factories, schools, hospitals and any facility requiring dependable standby power.

---

*The reliable solution at factories, schools, hospitals and any facility requiring dependable standby power*

---

Twelve models, with outputs ranging from 75kW to 500kW, are crafted with the expertise of our portable units and each is designed for the most demanding installed applications.

The industrial line is powered by rugged, 4-cycle direct injection Volvo diesel engines that meet EPA and CARB emissions standards. Each generator features a brushless alternator design and an encapsulated electronic automatic voltage regulator that precisely regulates the output current. This allows the power to



be controlled within 1%, no load to full load.

The generators have a closed circuit cooling system with an ambient temperature rating of 40°C (104° F) and a microprocessor-based, digital control panel that is vibration isolated. The panel's self-diagnostic feature continuously verifies power input and output.

MQ Power's industrial generators are available as a skid-mount or sub-base tank-mount design. The units come with the choice of standard weather-protective housing or sound-attenuated housing designs and a host of customized options. The generators are also available with manual and automatic transfer switches.

MQ Power. Perfecting power generation.



## MQ Power Industrial/Standby Generators — Specifications

Model	KD75V	KD100V	KD115V	KD150V	KD175V	KD200V
<b>Generator</b>						
Design	Revolving Field, Self-Ventilated, Drip-Proof, Single Bearing, Synchronous					
No of Poles	4 Poles					
Excitation	Shunt Excitation				Permanent Magnet Generator (PMG) Excitation	
Standby Output (KW)	75	100	115	150	175	200
Prime Output (KW)	68	90	104	135	158	180
Generator RPM	1800					
Voltage - 3 Phase	120/208V, 120/240V, 277/480V Three Phase; 120/240V Single Phase					
Voltage Selector Switch	Consult Factory					
Armature Connection	12-Lead Reconnectable					
Voltage Regulation (No Load to Full Load)	1%	1%	1%	1%	1%	1%
Power Factor	0.80					
Frequency (50 hz models available on request)	60 HZ					
Insulation	Class H					

### Diesel Engine

Make/Model	Volvo TD520GE	Volvo TAD520GE	Volvo TD720GE	Volvo TAD720GE	Volvo TWD740GE	Volvo TWD740GE
Starting System	12VDC	12VDC	12VDC	12VDC	24VDC	24VDC
Design	4 Cycle Turbocharged	4 Cycle Turbocharged Air to Air Intercooled	4 Cycle Turbocharged	4 Cycle Turbocharged Air to Air Intercooled	4 Cycle Turbocharged Water to Air Intercooled	4 Cycle Turbocharged Water to Air Intercooled
Displacement	4.76 liter	4.76 liter	7.15 liter	7.15 liter	7.28 liter	7.28 liter
No. Cylinders	4 In-line	4 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Bore x Stroke In (mm)	4.25 x 5.12 (108 x 130)	4.25 x 5.12 (108 x 130)	4.25 x 5.12 (108 x 130)	4.25 x 5.12 (108 x 130)	4.21 x 5.31 (107 x 135)	4.21 x 5.31 (107 x 135)
HP at Rated Speed	115	140	188	212	310	310
Fuel Tank Capacity Gal	Optional	Optional	Optional	Optional	Optional	Optional
Fuel Consumption at Standby Rating						
at Full Load Gph	6.1	7.1	8.9	10.41	14.7	14.7
at 3/4 Load Gph	4.6	5.3	6.7	7.78	11.1	11.1
at 1/2 Load Gph	3.1	3.7	4.6	5.47	7.4	7.4
at 1/4 Load Gph	1.9	2.3	2.9	3.12	3.7	3.7
Engine Coolant Capacity Gal	1.9	1.9	2.6	2.6	4.23	4.23
Oil Capacity with Filters Gal	3.4	3.4	5.3	5.3	7.7	7.7
Battery	176 AH	176 AH	176 AH	176 AH	2 x 143 AH	2 x 143 AH

### Size

L x W x H In (Open)	74.84 x 45 x 49.85	93 x 45 x 49.85	94.66 x 45 x 50.64	101.53 x 45 x 50.64	100.70 x 53 x 58.77	108.7 x 53 x 58.77
L x W x H In (Housed)	85 x 49 x 60.06	93 x 49 x 60.06	105 x 49 x 66.06	105 x 49 x 66.06	115 x 57 x 75	115 x 57 x 74
Approx. Weight - Dry	2,337 lbs.	2,392 lbs.	3,058 lbs.	3,079 lbs.	3,928 lbs.	4,033 lbs.
Approx. Weight - Wet	2,403 lbs.	2,460 lbs.	3,147 lbs.	3,178 lbs.	4,067 lbs.	4,172 lbs.

### Amp

Three Phase 208V	260	347	399	520	607	694
Three Phase 240V	226	301	346	451	526	601
Three Phase 480V	113	150	173	226	263	301
Single Phase 240V	250	275	313	333	542	633

All Models Listed To UL2200 Standard

Features and specifications are subject to change without notice.

Rev. 0 (090803)

© Copyright 2003, Multiquip Inc.

## MQ Power Industrial/Standby Generators — Specifications

Model	KD250V	KD300V	KD350V	KD400V	KD450V	KD500V
<b>Generator</b>						
Design	Revolving Field, Self-Ventilated, Drip-Proof, Single Bearing, Synchronous					
No. of Poles	4 Poles					
Excitation	Permanent Magnet Generator (PMG) Excitation					
Standby Output (KW)	250	300	350	400	450	500
Prime Output (KW)	225	270	315	350	400	450
Generator RPM	1800					
Voltage - 3 Phase	120/208V, 120/240V, 277/480V Three Phase					
Voltage Selector Switch	Consult Factory					
Armature Connection	12-Lead Reconnectable					
Voltage Regulation (No Load to Full Load)	1%	1%	1%	1%	1%	1%
Power Factor	0.80					
Frequency (50 hz models available on request)	60 HZ					
Insulation	Class H					

### Diesel Engine

Make/Model	Volvo TAD1031GE	Volvo TAD1240GE	Volvo TAD1241GE	Volvo TAD1242GE	Volvo TAD1631GE	Volvo TAD1631GE
Starting System	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
Design	4 Cycle Turbocharged Air to Air Intercooled	4 Cycle Turbocharged Water to Air Intercooled	4 Cycle Turbocharged Water to Air Intercooled	4 Cycle Turbocharged Water to Air Intercooled	4 Cycle Turbocharged Air to Air Intercooled	4 Cycle Turbocharged Air to Air Intercooled
Displacement	9.6 liter	12.13 liter	12.13 liter	12.13 liter	16.12 liter	16.12 liter
No. Cylinders	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line	6 In-line
Bore x Stroke In(mm)	4.75 x 5.51 (120.65 x 140)	5.16 x 5.91 (131 x 150)	5.16 x 5.91 (131 x 150)	5.16 x 5.91 (131 x 150)	5.67 x 6.50 (144 x 165)	5.67 x 6.50 (144 x 165)
HP at Rated Speed	390	449	514	585	743	743
Fuel Tank Capacity Gal	Optional	Optional	Optional	Optional	Optional	Optional
Fuel Consumption at Standby Rating at Full Load Gph at 3/4 Load Gph at 1/2 Load Gph at 1/4 Load Gph	20.5 15.3 10.2 5.1	23.8 17.9 11.9 6	23.8 17.9 11.9 6	28.4 21.3 14.2 7.1	36.8 27.6 18.4 9.2	36.8 27.6 18.4 9.2
Engine Coolant Capacity Gal	4.23	5.28	5.28	5.28	7.6	7.6
Oil Capacity with Filters Gal	9.5	9.2	9.2	9.2	16.9	16.9
Battery	2 x 143 AH	2 x 143 AH	2 x 143 AH	2 x 143 AH	2 x 176 AH	2 x 176 AH

### Size

L x W x H In (Open)	125.92 x 53 x 65	125.16 x 53 x 63.09	131.16 x 53 x 63.09	131.16 x 53 x 63.09	141.56 x 57 x 70.39	141.56 x 57 x 70.39
L x W x H In (Housed)	131 x 57 x 80	131 x 57 x 80	131 x 57 x 80	131 x 57 x 80	145 x 84 x 106.6	145 x 61 x 103.63
Approx. Weight - Dry	4,884 lbs.	5,536 lbs.	6,032 lbs.	6,042 lbs.	7,129 lbs.	7,129 lbs.
Approx. Weight - Wet	5,007 lbs.	5,701 lbs.	6,197 lbs.	6,207 lbs.	7,387 lbs.	7,387 lbs.

### Amps

Three Phase 208V	867	1041	1214	1388	1561	1735
Three Phase 240V	752	902	1052	1203	1353	1503
Three Phase 480V	376	453	526	601	677	752
Single Phase 240V	N/A	N/A	N/A	N/A	N/A	N/A

All Models Listed To UL2200 Standard

