



CAT Class: Diesel Generator 200kW/250kVA & 250kW/330kVA

Technical Data¹

Generator	Units	QAS 250 JD		QAS 330 JD	
		50	60	50	60
Frequency	Hz	50	60	50	60
Rated Prime Power @ 400V/50Hz & 480V/60Hz 3Ø	kW / kVA	200/250	200/250	224/280	264/330
Rated Standby Power @ 400V/50Hz & 480V/60Hz 3Ø	kW / kVA	220/275	220/275	246/308	290/363
3Ø Power Factor		0.8	0.8	0.8	0.8
3Ø Voltage @ 480V 60Hz (Series Star w/Neutral)	V	-	480Y/277	-	480Y/277
Amp Capacity @ 480V 60Hz 3Ø	A	-	301	-	397
3Ø Voltage @ 240-208V 60Hz (Parallel Star w/ Neutral)	V	-	240Y/139 – 208Y/120	-	240Y/139 – 208Y/120
Rated Prime Power @ 240V 3Ø 60Hz	kW / kVA	-	200/250	-	264/330
Amp Capacity @ 240V 60Hz 3Ø	A	-	600	-	794
Rated Prime Power @ 208V 3Ø	kW / kVA	-	173/216	-	231/288
Amp Capacity @ 208V 60Hz 3Ø	A	-	600	-	800
Rated Prime Power 1Ø @ 120-240V 60Hz	kW / kVA	-	144 / 144	-	192 / 192
1Ø Power Factor		-	1.0	-	1.0
1Ø Voltage @ 120-240V 60Hz (Zig-Zag)	V	-	240/120	-	240/120
Amp Capacity @ 240V 60Hz 1Ø	A	-	600	-	800
Amp Capacity @ 120V 60Hz 1Ø	A	-	2 x 600	-	2 x 800
3Ø Voltage @ 400V 50Hz (Series Star w/Neutral)	V	400Y/231	-	400Y/231	-
Amp Capacity @ 400V 50Hz 3Ø	A	361	-	404	-
Performance Class (acc. ISO 8528-5:1993)		G2	G2	G2	G2
Single Step Load Acceptance (0-PRP)	kW (%)	140 (56%)	159 (79%)	121 (54%)	163.7 (62%)
Sound Pressure Level @ 23'(7 m) @ 75% Load ²	dB(A)	70	73	70	73
Alternator (4 Pole, 12 Wire)	Leroy Somer	LSA 46.2 L6		LSA 46.2 L9	
Excitation system		AREP (auxiliary winding)		AREP (auxiliary winding)	
AVR - Automatic Voltage Regulator model		DVC 550		DVC 550	
AVR's AC voltage regulation accuracy	%	±0.25%		±0.25%	
Insulation		Class H		Class H	
Main Breaker – Rated Current In	A	800		1000	
Power Distribution – Terminal Board		5 Wire (L1, L2, L3, N, Ground)		5 Wire (L1, L2, L3, N, Ground)	
Terminal Board Connections		Bare Wire Terminals		Bare Wire Terminals	
Maximum Terminal Cable Size		350MCM		350MCM	
Convenience Receptacles ³		N/A	(2) NEMA 5-20R GFCI & (2) 125/250V 50A CS6369	N/A	(2) NEMA 5-20R GFCI & (2) 125/250V 50A CS6369

Engine	Units	QAS 250 JD	QAS 330 JD
Model	John Deere	6090HFG06	6090HFG06
US EPA Family		MJDXL09.0313	MJDXL09.0313
US EPA Tier		Tier 4 Final	Tier 4 Final
Displacement	L	9	9
Cylinders	#	6	6
Continuous Engine Power Output	HP (kW)	334 (249)	399 (298)
Gross Engine Power Output	HP (kW)	366 (273)	437 (326)
Rated Speed	RPM	1800	1800
Engine Control		ECU	ECU
Aspiration		Turbocharged w/ Intercooler	Turbocharged w/ Intercooler
Engine oil capacity ⁴	US Gal (L)	10.6 (40)	10.6 (40)
Engine coolant capacity	US Gal (L)	13.6 (51)	13.6 (51)
Maximum Ambient Temperature (@ Sea Level) ⁵	°F (°C)	122 (50)	122 (50)
Min. Starting Temp (w/o heater)	°F (°C)	14 (-10)	14 (-10)
Minimum Starting Temperature (with heater) ⁶	°F (°C)	-13 (-25)	-13 (-25)
Electrical System (Negative Ground)	V	24	24
Engine Alternator Output	A	60	60
Battery Capacity (Cold Cranking Amps)	A	(2) 1100	(2) 1100

Fuel & DEF Systems	Units	QAS 250 JD		QAS 330 JD		
Fuel Consumption @ 25% load	50Hz / 60Hz	US Gal/hr (L/hr)	4.4 (16.6)	4.47 (16.9)	5.1 (19.2)	6.10 (23.09)
Fuel Consumption @ 50% load	50Hz / 60Hz	US Gal/hr (L/hr)	6.4 (24.4)	7.11 (26.8)	7.8 (29.5)	9.48 (35.88)
Fuel Consumption @ 75% load	50Hz / 60Hz	US Gal/hr (L/hr)	10.2 (38.5)	10.16 (38.4)	11.9 (44.9)	13.55 (51.29)
Fuel Consumption @ 100% load	50Hz / 60Hz	US Gal/hr (L/hr)	13.5 (51.3)	14.23 (53.9)	15.2 (57.7)	18.29 (69.23)
Fuel Type		Ultra-Low Sulfur Diesel ONLY ⁷		Ultra-Low Sulfur Diesel ONLY ⁷		
Fuel Tank Capacity	US Gal (L)	385 (1457)		385 (1457)		
Fuel Autonomy @ 75% load and 90% of fuel capacity	Hr	34.1	34.1	29.1	25.6	
DEF Tank Capacity	US Gal (L)	25 (94.6)		25 (94.6)		

¹ All ratings are at a reference condition of 0' altitude and 20°C (72°F)
² Measured in accordance with ISO 2151 under free field conditions @ 7m distance (23ft)
³ Please see receptacle voltage configuration in Power Distribution section on page #7
⁴ Engine oil to meet CJ-4 (low ash oil)
⁵ Please see "Derate Table" for altitude and temperature calculations on page #6
⁶ Coolant Heater (120V 1000W) is a standard feature.
⁷ Engine and emissions require the use of Ultra Low Sulfur Diesel in accordance to ASTM-D975 Grade No.1-D S15 & No.2-DS15