

# QAS range









## Technical data

QAS 25 ID	QAS 45 ID	QAS 70 ID	QAS 95 JD	QAS 125 JD
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Performance		25 kVA	45 kVA	70 kVA	95 kVA	125 kVA
Frequency	Hz	60	60	60	60	60
Rated prime power 3ø	kW/kVA	20 / 25	36 / 45	56 / 70	76 / 95	100 / 125
Rated standby power 3ø	kW/kVA	22 / 28	40 / 50	60 / 75	83 / 104	110 / 138
3ø Power factor		0.8	0.8	0.8	0.8	0.8
3ø Voltage in 480V switch position (Y+N)	V	480Y / 277	480Y / 277	480Y / 277	480Y / 277	480Y / 277
Amp Capacity @480V	A	30	54	84.2	114	150
3ø Voltage in 240-208V switch position (YY+N)	V	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139-208YY
Amp Capacity @240V	A	60	108	166	229	300
Amp Capacity @208V	A	63	125	177	242	300
3Ø Voltage in 400V 50 Hz switch position (Y+N)	V	N/A	N/A	N/A	N/A	N/A
Amp Capacity @400V 50 Hz	A	N/A	N/A	N/A	N/A	N/A
Rated prime power 1ø	kW/kVA	13 / 13	22 / 22	31 / 31	52 / 52	65 / 65
1ø Power factor		1.0	1.0	1.0	1.0	1.0
1ø Voltage in 120-240V switch position (Zig-Zag)	V	240 / 120	240 / 120	240 / 120	240 / 120	240 / 120
Amp Capacity @240V	A	54	90	130	217	271
Amp Capacity @120V	A	54 x2	90 x2	130 x2	217 x2	271 x2
Main breaker - Rated Current	A	63	125	200	400	400
Power distribution - Terminal board		5 Wire (L1, L2, L3, N, Ground)				
Terminal board connections		Bare wire Terminals				
Maximum terminal cable size		350 MCM				
Convenience receptacles		2 x NEMA 5-20R & 2 x 125/250V 50A CS6369			2 x NEMA 5-20R & 3 x 125/250V 50A CS6369	
Max. sound pressure level (LPA) @23' @75% Load	dB(A)	67	67	67	73	73
<b>Fuel consumption</b>						
Fuel tank capacity	gal (l)	75 (284)	75 (284)	110 (416)	166 (628)	166 (628)
Fuel consumption at full load (PRP)	gal/h (l/h)	1.63 (6.2)	2.76 (10.4)	3.95 (15.0)	5.36 (20.3)	7.06 (26.7)
Fuel autonomy at 75% load and 90% of fuel capacity	h	48.2	31.4	25.1	35.3	26.4
<b>Alternator</b>		<b>Leroy Somer</b>	<b>Leroy Somer</b>	<b>Leroy Somer</b>	<b>Leroy Somer</b>	<b>Leroy Somer</b>
Model		LSA 40 M5	LSA 42.3 S5	LSA 42.3 L9	LSA 44.3 S3	LSA 44.3 S5
Excitation system		AREP	AREP	AREP	AREP	AREP
Automatic voltage regulator (+/-0.25%)		D350	D350	D350	D350	D350
Insulation		Class H	Class H	Class H	Class H	Class H
<b>Engine</b>		<b>Isuzu</b>	<b>Isuzu</b>	<b>Isuzu</b>	<b>John Deere</b>	<b>John Deere</b>
Model		4LE2T	4LE2X	4JJ1X	4045 HFG04	4045 HFG06
US EPA Family		MSZXL02.2ZTB	MSZXL02.2PXB	MSZXL03.0RXB	MJDXL04.5315	MJDXL04.5311
US EPA Tier		Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Displacement	L	2.2	2.2	2.99	4.5	4.5
Cylinders		4	4	4	4	4
Continuous engine output	HP (kW)	31.5 (23.5)	59 (44)	88 (65.5)	122 (91)	157 (117)
Gross engine power output	HP (kW)	40 (30)	66 (49)	95 (71)	133 (99)	172 (128)
Speed	RPM	1800	1800	1800	1800	1800
Engine control		ECU	ECU	ECU	ECU	ECU
Aspiration		Turbocharged	Turbocharged	Turbo w/Intercooler	Turbo w/Intercooler	Turbo w/Intercooler
Engine oil capacity	US Gal (L)	1.9 (7.2)	1.9 (7.2)	3.7 (14)	5.4 (20.5)	5.4 (20.5)
Engine coolant capacity	US Gal (L)	3 (11.4)	2.11 (8)	1.6 (6)	2.25 (8.5)	2.25 (8.5)
Max. ambient temperature (@Sea Level)	°F (°C)	122 (50)	122 (50)	122 (50)	122 (50)	122 (50)
Min. starting temperature (w/o Cold weather options)	°F (°C)	14 (-10)	14 (-10)	14 (-10)	14 (-10)	14 (-10)
Minimum starting temperature (w/ Cold weather options)	°F (°C)	-	-	-4 (-20)	-13 (-25)	-13 (-25)
Electrical system (Negative ground)	V	12	12	12	12	12
Engine alternator output	A	50	50	110	90	90
Battery Capacity (Cold Cranking Amps)	A	685	685	1100	1100	1100
<b>Dimensions and weight</b>						
Dimensions skid / w/Trailer (L x W x H)	in	75 x 34 x 55 / 129 x 54 x 66	75 x 34 x 55 / 129 x 54 x 66	94 x 42 x 61 / 143 x 66 x 75	108 x 43 x 76 / 160 x 67 x 88	108 x 43 x 76 / 160 x 67 x 88
Weight - Skid wet / w/Trailer wet	lbs	2280 / 2565	2500 / 2785	4047 / 4527	5442 / 6342	5585 / 6485

QAS 150 JD	QAS 200 JD	QAS 250 JD	QAS 330 JD	QAS 410 SD	QAS 700 VD
					
150 kVA	200 kVA	250 kVA	330 kVA	410 kVA	700 kVA
50   60	50   60	50   60	50   60	50   60	50   60
120 / 150	160 / 200	200 / 250	264 / 330	328 / 410	560 / 700
132 / 165	176 / 220	220 / 275	290 / 363	364 / 455	616 / 770
0.8	0.8	0.8	0.8	0.8	0.8
480Y / 277	480Y / 277	480Y / 277	480Y / 277	480Y / 277	480Y / 277
180	241	301	397	497	842
240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120	240YY / 139 208YY / 120
361	481	600	794	992	1520
375	492	600	800	1030	1521
400Y / 231	400Y / 231	400Y / 231	400Y / 231	400Y / 231	400Y / 231
180	237	325	404	527	805
76 / 76	102 / 102	144 / 144	192 / 192	231 / 231	260 / 260
1.0	1.0	1.0	1.0	1.0	1.0
240 / 120	240 / 120	240 / 120	240 / 120	240 / 120	240 / 120
316	425	600	800	963	1083
316 x2	425 x2	600 x2	800 x2	963 x2	1083 x2
400	600	800	1000	1000	1600
5 Wire (L1, L2, L3, N, Ground)					
Bare wire Terminals					
350 MCM					
2 x NEMA 5-20R & 3 x 125/250V 50A CS6369		2 x NEMA 5-20R & 2 x 125/250V 50A CS6369		2 x NEMA 5-20R & 3 x 125/250V 50A CS6369	
70	71	73	73	TBD	76
335 (1268)	335 (1268)	385 (1457)	385 (1457)	412 (1560)	707 (2676)
8.2 (31.0)	10.84 (41.0)	14.1 (53.4)	18.3 (69.3)	22.6 (85.6)	36.9 (139.8)
43.7	36.6	33.3	25.6	24.3	22.6
Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
LSA 44.3 M6	LSA 44.3 VL13	LSA 46.2 L6	LSA 46.2 L9	LSA 46.3 L11	LSA 47.2 L9
AREP	AREP	AREP	AREP	AREP	AREP
D350 (std) / DVC550 (parallel)	D350 (std) / DVC550 (parallel)	D350 (std) / DVC550 (parallel)	D350 (std) / DVC550 (parallel)	DVC550 (parallel)	D350 (std) / DVC550 (parallel)
Class H	Class H	Class H	Class H	Class H	Class H
John Deere	John Deere	John Deere	John Deere	Scania	Volvo
6068HFG05	6068HFG05	6068HFG06	6090HFG06	DC13 085A	TWD1683GE
MJDXL06.8312	MJDXL06.8312	MJDXL06.8312	MJDXL09.0313	MY9XL12.7DAA	MVPXL16.1CDD
Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
6.8	6.8	6.8	9	12.7	16.12
6	6	6	6	6	6
196 (146)	235 (175)	295 (220)	399 (298)	437 (326)	811 (596)
215 (160)	257 (192)	323 (241)	437 (326)	470 (351)	891 (655)
1800	1800	1800	1800	1800	1800
ECU	ECU	ECU	ECU	ECU	ECU
Turbo w/Intercooler	Turbo w/Intercooler	Turbo w/Intercooler	Turbo w/Intercooler	Turbo w/Intercooler	Two-Stage Turbo w/Intercooler
8.6 (32.5)	8.6 (32.5)	8.6 (32.6)	10.6 (40)	11.9 (45)	11.1 (42)
10.5 (39.7)	10.5 (39.7)	14.0 (53)	13.6 (51)	12.2 (46)	25.7 (97.3)
120 (49)	122 (50)	122 (50)	122 (50)	119 (48.2)	122 (50)
14 (-10)	14 (-10)	14 (-10)	14 (-10)	4 (-15)	14 (-10)
-13 (-25)	-13 (-25)	-13 (-25)	-13 (-25)	-13 (-25)	-13 (-25)
24	24	24	24	24	24
60	60	60	60	100	80
685 x2	685 x2	1100 x2	1100 x2	680 x2	1400 x2
145 x 51 x 92 / 203 x 87 x 98	145 x 51 x 92 / 203 x 87 x 98	158 x 55 x 93 / 218 x 94 x 109	158 x 55 x 93 / 218 x 94 x 109	197 x 63.8 x 88.3 / 248.5 x 96 x 105.1	211 x 71 x 112 / 260 x 102 x 118
9812 / 10787	10032 / 11062	11735 / 13405	12446 / 14355	13140 / 15864	24982 / 26620