

Louis Allis | Georator Product Catalog | February 2024
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For more information, please contact sales@louisallis.com



Product Selection Catalog and Price List
2024



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Design a Frequency Converter Application Questionnaire

Technology

Do you have a preference of technology used in your solution?

- Solid State Frequency Converter
- Rotary Frequency Converter
- Solid State UPS
- Don't Know

Output

What are the power requirements of your loads, i.e. what output would you like from this equipment?

Output Frequency

- 50 Hz
- 60 Hz
- 400 Hz

Output Phases

- One Phase
- Three Phase

Voltage

Select a Voltage and output kVA (or Output kW or Output Amperage)

Output Voltage:

Output kVA:

Output kW:

Output Amperage:

Motors

Are there motors on your load? Yes No Don't Know

What are the largest motors (HP or kW) that START together? Please list the horsepower or the running amps of each individual motor and list the voltage of the motors and which motors start together.

Motor #	HP	FLA	Voltage	Number of Phases	Which Motors Start Together (eg. 1 & 4)

Available Power

What power is available in your facility to run this frequency converter?

Frequency?

- 50 Hz
- 60 Hz
- 400 Hz

Number of Phases?

- One Phase
- Three Phase

Voltage

- 110V 50/60Hz
- 220V 50/60Hz
- 110/220V 50/60Hz
- 380-415V 50Hz
- 440-480V 60Hz
- 220-240V 60Hz
- 115V 400Hz

Location?

- Indoor
- Outdoor

Additional Information

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Louis Allis, A WorldWide Electric Company, manufactures and supplies Georator Power Frequency Convertors and Generators for industrial, military, aerospace, and municipal applications. Classified as **rotary type Motor-Generator Sets, Solid-State Electronic Frequency Convertors, and Brushless Permanent Magnet Generators**, Georator products are available in standard sizes, phases, and input and output frequencies. With decades of application knowledge, the Louis Allis team of power frequency experts can also specify and build custom units for unique application requirements.

Rotary, Permanent-Magnet Frequency Convertors



Series 30 - Motor and alternator are combined horizontally in a single-housing with Power Ratings: 150 VA to 3 KVA Page 2



Series 33 - Motor and alternator are combined vertically in a single-housing with Power Ratings: 2.5 to 20 KVA Page 3



Series 36 - Stand-alone brushless alternator can be connected to an existing motor with Power Ratings: 0.15 to 15 KVA Page 4



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Motor Generator Sets - Rotary Frequency Convertors Page 8

Louis Allis manufactures and supplies Georator belt-driven and inline motor generator (MG) sets. Standard designs, including a motor starter, motor, breaker, and generator mounted to a compact skid, are available with short-lead times.



Solid State Frequency Convertors Page 10

Convert incoming A.C. power into D.C. power (rectifier stage) and then convert the D.C. power into the required A.C. frequency and voltage. Static frequency convertors are inherently quiet, which makes them ideal for office and laboratory environments.

Additional Information

- Reference Tables (pg. 12)



Series 30 - Horizontal Unit Shell Convertor (USC) Rotary, Permanent-Magnet Frequency Convertors



Brushless frequency convertors with a 60 or 50 Hz induction drive motor or voltage regulator mounted on a single shaft with a permanent magnet alternator. Series 30 Motor and alternator are combined horizontally in a single-housing.

Technical Specifications

- Power Ratings: 150 VA to 3 KVA
- 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Motor: Induction
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

Model	Phase	kVA	Hertz	Amps	Type	List Price
30-001	Single	0.25	400 Hz	13	Unit Shell Convertor (USC)	\$29,664.29
30-002	Single	0.5	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49
30-003	Single	1	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-004	Three	0.25	400 Hz	13	Unit Shell Convertor (USC)	\$29,664.29
30-005	Single	0.5	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49
30-006	Single	0.75	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49
30-007	Three	2	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-008	Three	3	400 Hz	19	Unit Shell Convertor (USC)	\$66,093.71
30-012	Single	1	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-013	Single	1.5	400 Hz	19	Unit Shell Convertor (USC)	\$66,093.71
30-016	Three	0.5	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49
30-019	Three	1.5	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-020	Three	2	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-021	Single	0.15	400 Hz	13	Unit Shell Convertor (USC)	\$29,664.29
30-026	Three	1.5	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-028	Single	1.5	400 Hz	18	Unit Shell Convertor (USC)	\$66,093.71
30-029	Three	2.5	400 Hz	19	Unit Shell Convertor (USC)	\$66,093.71
30-154	Three	1.5	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-185	Three	1.5	400 Hz	18	Unit Shell Convertor (USC)	\$63,570.02
30-249	Single	0.15	400 Hz	13	Unit Shell Convertor (USC)	\$29,664.29
30-270	Single	0.4/0.5	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49
30-287	Three	2.5	400 Hz	19	Unit Shell Convertor (USC)	\$66,093.71
30-299-1	Three	0.75	400 Hz	14	Unit Shell Convertor (USC)	\$32,084.49



Series 33 - Vertical Convertor

Rotary, Permanent-Magnet Frequency Convertors



Brushless frequency convertors with a 60 or 50 Hz induction drive motor or voltage regulator mounted on a single shaft with a permanent magnet alternator. Series 33 Motor and alternator are combined vertically in a single-housing.

Technical Specifications

- Power Ratings: 2.5 to 20 KVA
- 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Motor: Induction
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

Model	Phase	kVA	Hertz	Amps	Type	List Price
33-001	Single	2.5	400 Hz	20	Vertical Convertor (VC)	\$76,582.27
33-002	Single	3.5	400 Hz	21	Vertical Convertor (VC)	\$81,368.66
33-003	Single	5	400 Hz	22	Vertical Convertor (VC)	\$86,155.05
33-004	Three	5	400 Hz	20	Vertical Convertor (VC)	\$76,582.27
33-005	Three	7.5	400 Hz	21	Vertical Convertor (VC)	\$81,368.66
33-006	Three	10	400 Hz	22	Vertical Convertor (VC)	\$86,155.05
33-009	Three	3	400 Hz	20	Vertical Convertor (VC)	\$76,582.27
33-059	Three	10	400 Hz	22	Vertical Convertor (VC)	\$86,155.05
33-085	Three	7.5	400 Hz	21	Vertical Convertor (VC)	\$81,368.66
33-102	Three	15	400 Hz	25	Vertical Convertor (VC)	\$105,300.05
33-103	Single	10	400 Hz	25	Vertical Convertor (VC)	\$105,300.05
33-142	Single	7.5	400 Hz	24	Vertical Convertor (VC)	\$95,727.85
33-157	Single	5	400 Hz	22	Vertical Convertor (VC)	\$86,155.05
33-222	Three	12.5	400 Hz	24	Vertical Convertor (VC)	\$95,727.85
33-222-2	Three	8.8	400 Hz	24	Vertical Convertor (VC)	\$95,727.85
33-139	Three	15	400 Hz	25	Vertical Convertor (VC)	\$105,300.05
33-154	Three	20	400 Hz	25	Vertical Convertor (VC)	\$105,300.05
33-223	Three	20	400 Hz	25	Vertical Convertor (VC)	\$105,300.05

Series 36 - Stand Alone Alternator

Rotary, Permanent-Magnet Frequency Convertors



Series 38 Stand-alone brushless frequency permanent magnet alternator can be connected to an existing motor.

Technical Specifications

- Power Ratings: 0.15 to 15 KVA
- Up to 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

Model	Phase	kVA	Hertz	Amps	Type	List Price
36-001	Single	0.25	400 Hz	13	Alternator (ALT)	\$18,082.93
36-003	Single	0.5	400 Hz	14	Alternator (ALT)	\$19,891.22
36-004	Single	0.5	400 Hz	16	Alternator (ALT)	\$22,402.66
36-006	Single	1.0	400 Hz	18	Alternator (ALT)	\$24,642.93
36-007	Three	1.0	400 Hz	16	Alternator (ALT)	\$22,402.66
36-008	Three	2.0	400 Hz	18	Alternator (ALT)	\$24,642.93
36-010	Single	5.0	400 Hz	22	Alternator (ALT)	\$34,500.10
36-011-1	Three	5.0	400 Hz	20	Alternator (ALT)	\$29,551.29
36-012-1	Three	7.5	400 Hz	21	Alternator (ALT)	\$31,842.76
36-013-1	Three	10	400 Hz	22	Alternator (ALT)	\$34,500.10
36-013-3	Three	5 & 10	400 Hz	22	Alternator (ALT)	\$34,500.10
36-030	Three	0.5	400 Hz	14	Alternator (ALT)	\$19,891.22
36-041	Three	3.0	400 Hz	19	Alternator (ALT)	\$29,143.27
36-049	Single	0.25	400 Hz	13	Alternator (ALT)	\$18,082.93
36-052	Three	0.15	400 Hz	13	Alternator (ALT)	\$18,082.93
36-054	Single	1.5	400 Hz	19	Alternator (ALT)	\$29,143.27
36-055	Single	3.5	400 Hz	21	Alternator (ALT)	\$31,842.76
36-097	Single	3.0	210 Hz	24	Alternator (ALT)	\$48,533.73
36-129	Single	0.5	400 Hz	16, 230 V	Alternator (ALT)	\$22,402.66
36-129-1	Single	0.5	400 Hz	16, 115 V	Alternator (ALT)	\$22,402.66
36-162	Three	0.75	400 Hz	14	Alternator (ALT)	\$19,891.22
36-162-1	Single	0.75	400 Hz	14	Alternator (ALT)	\$19,891.22
36-189	Single	1.0	400 Hz	18	Alternator (ALT)	\$24,642.93
36-202	Single	0.15	210 Hz	13	Alternator (ALT)	\$18,082.93
36-214	Three	4.0	187 Hz	22	Alternator (ALT)	\$34,500.10
36-225	Single	0.5	400 Hz	14	Alternator (ALT)	\$19,891.22
36-227	Three	2.0	400 Hz	18	Alternator (ALT)	\$24,642.93
36-229-1	Single	5.0	400 Hz	22	Alternator (ALT)	\$34,500.10
36-234	Three	0.3	280 Hz	14	Alternator (ALT)	\$19,891.22
36-237	Single	1.0	400 Hz	18	Alternator (ALT)	\$24,642.93
36-241	Three	4.1	420 Hz	20	Alternator (ALT)	\$29,551.29
36-242	Single	1.0	400 Hz	18	Alternator (ALT)	\$24,642.93

Continued on Next...

Series 36 - Stand Alone Alternator

Rotary, Permanent-Magnet Frequency Convertors



Series 38 Stand-alone brushless frequency permanent magnet alternator can be connected to an existing motor.

Technical Specifications

- Power Ratings: 0.15 to 15 KVA
- Up to 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

...Continued from Previous

Model	Phase	kVA	Hertz	Amps	Type	List Price
36-248	Single	0.3	140 Hz	18	Alternator (ALT)	\$24,642.93
36-249	Three	0.5/0.2	400 Hz	14	Alternator (ALT)	\$19,891.22
36-254	Single	2.4	200 Hz	22, 230 V	Alternator (ALT)	\$34,500.10
36-254-1	Single	2.4	200 Hz	22, 240 V	Alternator (ALT)	\$34,500.10
36-254-2	Single	2.4	200 Hz	22, 120 V	Alternator (ALT)	\$34,500.10
36-257	Single	0.2	81.7 Hz	19	Alternator (ALT)	\$29,143.27
36-259	Three	0.5	400 Hz	14	Alternator (ALT)	\$19,891.22
36-262	Single	0.25	400 Hz	13	Alternator (ALT)	\$18,082.93
36-264	Three	0.3	280 Hz	14	Alternator (ALT)	\$19,891.22
36-265	Single	0.7	210 Hz	18	Alternator (ALT)	\$24,642.93
36-268	Three	0.5	400 Hz	14	Alternator (ALT)	\$19,891.22
36-279	Single	3.5	400 Hz	19	Alternator (ALT)	\$29,143.27
36-280	Three	2.0	400 Hz	18	Alternator (ALT)	\$24,642.93



Series 38 - Rotor & Stator Rotary, Permanent-Magnet Frequency Convertors

Brushless rotators and stator spare parts for use in Permanent Magnet Alternators.

Technical Specifications

- Power Ratings: 2.5 to 20 KVA
- Up to 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Motor: Induction
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

Model	Phase	kVA	Hertz	Amps	Type	List Price
38-016	Three	0.25	140	14	Rotor, Stator & HSG (14 Amp Magnet)	\$11,285.90
38-017	Three	0.25	140	14	Rotor & Stator	\$11,285.90
38-30	Single	1.6	260	15	Rotor & Stator	\$27,629.83
38-035	Three	0.2	248	13	Rotor, Stator & HSG	\$9,923.39
38-040	Single	0.12	420	27	Rotor, Stator	\$14,580.76
38-050	Three	2.4	840	18	Rotor & Stator	\$16,767.85
38-066	Single	1	400	18	Rotor & Stator	\$16,767.85
38-067	Single	1	400	18	Rotor, Stator & HSG	\$16,767.85
38-068	Single	2.5	400	20	Rotor, Stator & HSG	\$20,578.68
38-074	Single	0.3/1	420	20	Rotor & Stator	\$20,578.68
38-082	Single	0.5	400	16	Rotor, Stator & HSG	\$14,580.76
38-085	Three	0.8	168	19	Rotor, Stator & HSG	\$19,069.24
	Single	0.05				\$19,069.24
38-089	Single	1	400	18	Rotor, Stator & HSG	\$16,767.85
38-095	Single	0.25	200	14	Rotor, Stator & HSG	\$11,285.90
38-114	Three	1.1 & 1.83	180 & 300	15	Rotor & Stator (0.9 Power Factor, 90 & 150 Volts L-L)	\$27,629.83
38-114-1	Three	1.1, 1.83 & 2.2	180, 300 & 360	15	Rotor & Stator (0.9 Power Factor, 90, 150 & 180 Volts L-L)	\$27,629.83
38-114-3	Three	1.1, 1.83 & 2.2	180, 300 & 360	15	Rotor & Stator (0.9 Power Factor, 90, 150, & 180 Volts L-L)	\$27,629.83
38-114-5	Three	8 & 6.9	360 & 300	15	Rotor & Stator (1.0 Power Factor, 227 & 189 Volts L-L)	\$27,629.83
38-123	Three	5.3	420	22	Rotor & Stator	\$29,348.15
38-123-1	Three	5	350	22	Rotor & Stator	\$29,348.15
38-124	Single	3	120		Rotor, Stator & HSG (514 RPM)	\$41,157.37
38-125	Three	2.6	300	15	Rotor & Stator (3-wire, 0.9 Power Factor, 60 Volts L-L)	
38-133	Three	1.85	93.3	25	Rotor, Stator & HSG (400 RPM)	\$41,157.37
38-144	Three	2.85	420	22	Rotor & Stator	\$29,348.15



Series 39 - Vertical Voltage Regulator & Alternator Rotary, Permanent-Magnet Frequency Convertors



Brushless frequency convertors contain a voltage regulator and alternator combined vertically in a single housing.

Technical Specifications

- Power Ratings: 0.3 to 18.75 KVA
- 400 Hz Output
- 1500 to 3600 RPM
- Alternator: Permanent magnet excitation
- Waveform: THD less than 4%
- Typical 10+ Year Life Expectancy

Model	Phase	kVA	Hertz	Amps	Type	List Price
39-001	Three 208/120 Vac	5	400 Hz	21	Back Iron Regulated (BIR)	\$85,337.63
39-001-3	Three 200/115Vac	5	400 Hz	21	Back Iron Regulated (BIR)	\$85,337.63
39-002	Single	5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-002-1	Three	5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-002-3	Single	5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-002-4	Single with 380 V input	5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-004	Three	6.5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-005	Single with 240 V Output	5	400 Hz	22	Back Iron Regulated (BIR)	\$89,862.46
39-015	Three	15	400 Hz	25	Back Iron Regulated (BIR)	\$113,253.22
39-020	Single	10	400 Hz	25	Back Iron Regulated (BIR)	\$113,253.22
39-021	Three	18.75	400 Hz	25	Back Iron Regulated (BIR)	\$113,253.22
39-023	Three	3	400 Hz	20	Back Iron Regulated (BIR)	\$80,752.00
39-025	Three	10.0	400 Hz	25	Back Iron Regulated (BIR)	\$113,253.22
39-026	Single	7.5	400 Hz	24	Back Iron Regulated (BIR)	\$111,329.39
39-029	Three	3	400 Hz	20	Back Iron Regulated (BIR)	\$80,752.00

Series 65 - Belted 60 to 50 Hz Sets

Rotary, Motor Generator Sets



Belt-driven Motor Generator (MG) sets. Standard designs, including a motor starter, motor, breaker, and generator mounted to a compact skid, are available with short-lead times.

Technical Specifications

- 50 to 60 Hz, 60 to 50 Hz designs
- Power ratings: 10 - 500 KVA
- Complete electrical isolation from harmonics, spikes.
- Premium efficiency induction motor
- Synchronous generator w/voltage regulator
- Precise frequency regulation (+/-1%)
- Waveform: THD < 5%
- Adjustable output voltage (+/-10%)

Options

- Circuit Breaker Kit*
- Weather Enclosure Kit
- Metering Kit

***We can also provide custom belt-driven and inline (horizontal or vertical) designs for your specific requirements up to 5000 kVA**

If you are a contractor or buyer interested in MG sets but you are not sure what you need, our expert engineers are here to guide you through the specifying process.

Input Power	Output Power	kVA	Series 65 Model	LR kVA	Dimensions (in.)	Weight (lbs.)	List Price
480V 60Hz	400V 50Hz	10	65W3S10.AR010UDCL	18	32 x 41 x 31	750	\$29,235.71
		15	65W3S15.AZ010UDCN	26	32 x 41 x 32	755	\$31,018.15
		20	65W3S20.BU010UDCN	45	40 x 45 x 33	1250	\$36,493.02
		25	65W3S25.CS010UFCR	67	40 x 45 x 33	1300	\$39,324.51
		30	65W3S30.CS010UGCR	67	45 x 47 x 35	1400	\$43,366.61
		40	65W3S40.EK010UHCV	116	48 x 50 x 38	1850	\$48,134.44
		45	65W3S45.EK010UJCV	116	50 x 54 x 33	2100	\$54,561.73
		50	65W3S50.FR010UKCX	176	50 x 54 x 37	2300	\$58,893.59
		60	65W3S60.FR010UKCX	176	50 x 54 x 37	2300	\$61,398.95
		75	65W3S75.FR010ULCX	176	55 x 53 x 51	2900	\$64,365.17
		100	65W3S100GQ010UMCZ	255	53 x 60 x 45	2900	\$76,929.66
		125	65W3S125HK010UNDB	350	60 x 65 x 45	3800	\$89,182.41
150	65W3S150HX010UPDC	420	67 x 65 x 45	4500	\$109,484.49		

Optional Kits

Series 56 - Belted 50 to 60 Hz Sets

Rotary, Motor Generator Sets

Input Power	Output Power	kVA	Series 56 Model	LR kVA	Dimensions (in.)	Weight (lbs.)	List Price
380V 50Hz	208V 60Hz	10	56R3J10.AM010UDCL	23	32 x 41 x 32	750	\$28,399.22
		15	56R3J15.BG010UECN	33	34 x 43 x 33	850	\$31,542.54
		20	56R3J20.CG010UFCP	57	40 x 45 x 33	1300	\$38,012.00
		25	56R3J25.DA010UGCR	75	45 x 47 x 35	1400	\$42,988.02
		30	56R3J30.DA010UHCR	75	45 x 47 x 35	1400	\$44,042.12
		40	56R3J40.FB010UJCV	148	50 x 54 x 36	2100	\$53,217.95
		45	56R3J45.FB010UJCV	148	50 x 54 x 36	2100	\$57,239.02
		50	56R3J50.FB010UKCV	148	50 x 54 x 37	2300	\$63,503.29
		60	56R3J60.FB010UKCV	148	50 x 54 x 37	2300	\$65,761.56
		75	56R3J75.GF010ULCX	210	55 x 55 x 45	3000	\$66,290.73
		100	56R3J100.HL010UMCZ	355	53 x 60 x 45	3000	\$79,594.05
		125	56R3J125.HY010UZDB	430	60 x 65 x 45	3800	\$90,766.95
		150	56R3J150.JJ010UPDC	530	67 x 65 x 45	4500	\$112,465.24

Optional Kits



Series 65 - Belted 60 to 50 Hz Sets

Optional Kits

Series 65 Model	Circuit Breaker Kit* Part Number	List Price	Weather Enclosure Kit Part Number	List Price	Metering Package Kit Part Number	List Price
65W3S10.AR010UDCL	HDL36020.HOFA201206LP	\$12,649.17	D-11-778.CSD12106.PDB	\$64,670.46	M850-LCD.CRNTXMRS	\$3,744.71
65W3S15.AZ010UDCN	HDL36030.HOFA201206LP	\$12,649.17	D-11-778.CSD12106.PDB	\$64,670.46		
65W3S20.BU010UDCN	HDL36040.HOFCSD241610	\$13,071.37	D-11-779.CSD12106.PDB	\$63,743.66		
65W3S25.CS010UFCR	HDL36050.HOFCSD241610	\$13,071.37	D-11-779.CSD12106.PDB	\$63,743.66		
65W3S30.CS010UGCR	HDL36060.HOFCSD241610	\$13,457.71	D-11-780.CSD12106.PDB	\$64,698.95		
65W3S40.EK010UHCV	HDL36100.HOFCSD241610	\$14,840.15	D-11-781.CSD16128.PDB	\$66,833.10		
65W3S45.EK010UJCV	HDL36100.HOFA302010LP	\$17,180.05	D-11-782.CSD16128.PDB	\$68,979.22		
65W3S50.FR010UKCX	HDL36100.HOF302010LPP	\$17,461.22	D-11-782.CSD16128.PDB	\$68,979.22		
65W3S60.FR010UKCX	HDL36125.HOFA302010LP	\$21,328.54	D-11-783.CSD24168.PDB	\$75,514.39		
65W3S75.FR010ULCX	HGL36150.HOFA302010LP	\$22,673.07	D-11-784.CSD24168.PDB	\$80,835.78		
65W3S100G0010UMCZ	JJL36200.HOFA302010LP	\$23,186.78	D-11-785.CSD24168.PDB	\$82,046.93		
65W3S125HK010UNDB	JLL36250.HOFA302010LP	\$24,282.39	D-11-786.CSD24168.PDB	\$83,469.61		
65W3S150HX010UPDC	MAL36300.HOFA302010LP	\$31,592.49	D-11-787.CSD24208.PDB	\$86,957.02		

* Please Note: Electrical failure is not covered under warranty if a circuit breaking option is not originally purchased with a Motor Generator Set.

Series 56 - Belted 50 to 60 Hz Sets

Optional Kits

Series 56 Model	Circuit Breaker Kit* Part Number	List Price	Weather Enclosure Kit Part Number	List Price	Metering Package Kit Part Number	List Price
56R3J10.AM010UDCL	HDL36040.HOFCSD241610	\$13,071.37	D-11-778.CSD12106.PDB	\$64,670.46	M850-LCD.CRNTXMRS	\$3,744.71
56R3J15.BG010UECN	HDL36060.HOFCSD241610	\$13,457.71	D-11-778.CSD12106.PDB	\$64,670.46		
56R3J20.CG010UFCP	HDL36070.HOFCSD241610	\$14,628.44	D-11-779.CSD12106.PDB	\$63,743.66		
56R3J25.DA010UGCR	HDL36090.HOFA302010LP	\$15,682.20	D-11-779.CSD12106.PDB	\$63,743.66		
56R3J30.DA010UHCR	HDL36100.HOFCSD241610	\$14,840.15	D-11-780.CSD12106.PDB	\$64,698.95		
56R3J40.FB010UJCV	HGL36150.HOFA302010LP	\$22,673.07	D-11-781.CSD16128.PDB	\$66,833.10		
56R3J45.FB010UJCV	JLL36175.HOFA302010LP	\$22,890.63	D-11-782.CSD16128.PDB	\$68,979.22		
56R3J50.FB010UKCV	JJL36200.HOFA302010LP	\$23,186.78	D-11-782.CSD16128.PDB	\$68,979.22		
56R3J60.FB010UKCV	JLL36225.HOFA302010LP	\$23,646.29	D-11-783.CSD24168.PDB	\$75,514.39		
56R3J75.GF010ULCX	JLL36250.HOFA302010LP	\$24,282.39	D-11-784.CSD24168.PDB	\$80,835.78		
56R3J100.HL010UMCZ	LAL36350.HOFA302010LP	\$35,318.34	D-11-785.CSD24168.PDB	\$82,046.93		
56R3J125.HY010UZDB	MJL36500.HOFA+P	\$42,863.61	D-11-786.CSD24168.PDB	\$83,469.61		
56R3J150.JJ010UPDC	MGL36600.HOFA362410LP	\$48,152.39	D-11-787.CSD24208.PDB	\$86,957.02		

* Please Note: Electrical failure is not covered under warranty if a circuit breaking option is not originally purchased with a Motor Generator Set.

Solid State Frequency Convertors



Convert incoming A.C. power into D.C. power (rectifier stage) and then convert the D.C. power into the required A.C. frequency and voltage. Static frequency converters are inherently quiet, which makes them ideal for office and laboratory environments. Model Options include 50-60 Hz, 110 - 220 V and single- three-phase input/output conversion from 1 - 20 kVA output.

Technical Specifications

- Compatible with generator input
- Equipped with DC cold start function
- Standard with check diodes to avoid affecting the DC panel
- Standard input/output isolation transformers to achieve complete isolation of AC and DC sides
- Voltage In +/-25%
- Voltage Out +/-15%

Input Power	Output Power	kVA	Model	Dimensions (in.)	List Price
110/220V 50/60Hz	110/220V 50/60Hz	1	T3FC-11-1K-CC	7.1x15.0x12.1	\$5,483
110/220V 50/60Hz	110/220V 50/60Hz	3	T3AFC-11-3K-CC	21.3x7.1x19.7	\$11,410
110/220V 50/60Hz	110/220V 50/60Hz	5	T3AFC-11-5K-CC	18.9x16.5x34.3	\$15,039
110/220V 50/60Hz	110/220V 50/60Hz	10	T3AFC-11-10K-CC	21.7x63.0x31.5	\$21,898
110/220V 50/60Hz	110/220V 50/60Hz	15	T3AFC-11-15K-CC	21.7x63.0x31.5	\$30,354
110/220V 50/60Hz	110/220V 50/60Hz	20	T3AFC-11-20K-CC	21.7x63.0x31.5	\$41,429

Input Power	Output Power	kVA	Model	Dimensions (in.)	List Price
110V 50/60Hz	220V 50/60Hz	3	T3AFC-11-3K-AB	21.3x7.1x19.7	\$7,171
110V 50/60Hz	220V 50/60Hz	5	T3AFC-11-5K-AB	22.8x9.1x27	\$9,671
110V 50/60Hz	220V 50/60Hz	10	T3AFC-11-10K-AB	18.9x16.5x34.3	\$14,568
110V 50/60Hz	220V 50/60Hz	15	T3AFC-11-15K-AB	21.7x63.0x31.5	\$38,895
110V 50/60Hz	220V 50/60Hz	20	T3AFC-11-20K-AB	21.7x63.0x31.5	\$43,822

T3AFC-11-20K-BA

Model	Phase	Output kVA	Input Power	Output Power
T3AFC: Fixed Output Frequency (50/60Hz)	11: Single to Single	1	A: 110V 50/60Hz	A: 110V 50/60Hz
T2 Variable Output Frequency (0-400Hz)	13: Single to Three	3	B: 220V 50/60Hz	B 220V 50/60Hz
	31: Three to Single	5	C: 110/220V 50/60Hz	C: 110/220V 50/60Hz
	33: Three to Three	10	D: 380-415V 50Hz	D: 380-415V 50Hz
		15	E: 440-480V 60Hz	E: 440-480V 60Hz
		20	F: 220-240V 60Hz	F: 220-240V 60Hz
		Up to 150	G: 115V 400Hz	G: 115V 400Hz

Selection Guide

Model number contains the phase conversion, output kVA, input power, and output power. ‡ Not all combinations indicated by this table are possible. Please contact us for more information.



Volts (V), VoltAmps (kVA), Watts (kW) & Amps (A) Reference Tables

Volts IN	Volts OUT	KVA	KW	AMPS
100	100	1.0	1.0	1
110	110	1.1	1.1	2
115	115	1.2	1.2	3
120	120	1.3	1.3	4
127	127	1.4	1.4	5
190	190	1.5	1.5	6
200	200	1.6	1.6	7
208	208	1.7	1.7	8
220	220	1.8	1.8	9
230	230	1.9	1.9	10
240	240	2.0	2.0	11
250	250	2.1	2.1	12
265	265	2.2	2.2	13
277	277	2.3	2.3	14
380	380	2.4	2.4	15
400	400	2.5	2.5	16
415	415	2.6	2.6	17
416	416	2.7	2.7	18
440	440	2.8	2.8	19
460	460	2.9	2.9	20
480	480	3.0	3.0	21
575	575	3.1	3.1	22
600	600	3.125	3.2	23

KVA	KW	AMPS
3.2	3.3	24
3.3	3.4	25
3.4	3.5	26
3.5	3.6	27
3.6	3.7	28
3.7	3.8	29
3.8	3.9	30
3.9	4.0	31
4.0	4.1	32
4.1	4.2	33
4.2	4.3	34
4.3	4.4	35
4.4	4.5	36
4.5	4.6	37
4.6	4.7	38
4.7	4.8	39
4.8	4.9	40
4.9	5.0	41
5.0	5.1	42
5.1	5.2	43
5.2	5.3	44
5.3	5.4	45
5.4	5.5	46
5.5	5.6	47
5.6	5.7	48

KVA	KW	AMPS
5.7	5.8	49
5.8	5.9	50
5.9	6.0	51
6.0	6.1	52
6.1	6.2	53
6.2	6.3	54
6.25	6.4	55
6.3	6.5	56
6.4	6.6	57
6.5	6.7	58
6.6	6.8	59
6.7	6.9	60
6.8	7.0	61
6.9	7.1	62
7.0	7.2	63
7.1	7.3	64
7.2	7.4	65
7.3	7.5	66
7.4	7.6	67
7.5	7.7	68
7.6	7.8	69
7.7	7.9	70
7.8	8.0	71
7.9	8.1	72
8.0	8.2	73
8.1	8.3	74
8.2	8.4	75
8.3	8.5	76
8.4	8.6	77
8.5	8.7	78
8.6	8.8	79
8.7	8.9	80
8.8	9.0	81
8.9	9.1	82
9.0	9.2	83
9.1	9.3	84
9.2	9.4	85
9.3	9.5	86
9.4	9.6	87
9.5	9.7	88
9.6	9.8	89
9.7	9.9	90
9.8	10	91
9.9	11	92
10	12	93
11	13	94
12	14	95
12.5	15	96
13	16	97
14	17	98

KVA	KW	AMPS
15	18	99
16	19	100
17	20	101
18	21	102
18.75	22	103
19	23	104
20	24	105
21	25	106
22	26	107
23	27	108
24	28	109
25	29	110
26	30	111
27	31	112
28	32	113
29	33	114
30	34	115
31	35	116
31.25	36	117
32	37	118
33	38	119
34	39	120
35	40	121
36	41	122
37	42	123
37.5	43	124
38	44	125
39	45	126
40	46	127
41	47	128
42	48	129
43	49	130
44	50	131
45	51	132
46	52	133
47	53	134
48	54	135
49	55	136
50	56	137
51	57	138
52	58	139
53	59	140
54	60	141
55	61	142
56	62	143
57	63	144
58	64	145
59	65	146
60	66	147
61	67	148

KVA	KW	AMPS
62	68	149
62.5	69	150
63	70	151
64	71	152
65	72	153
66	73	154
67	74	155
68	75	156
69	76	157
70	77	158
71	78	159
72	79	160
73	80	161
74	81	162
75	82	163
76	83	164
77	84	165
78	85	166
79	86	167
80	87	168
81	88	169
82	89	170
83	90	171
84	91	172
85	92	173
86	93	174
87	94	175
88	95	176
89	96	177
90	97	178
91	98	179
92	99	180
93	100	181
94	101	182
95	102	183
96	103	184
97	104	185
98	105	186
99	106	187
100	107	188
101	108	189
102	109	190
103	110	191
104	111	192
105	112	193
106	113	194
107	114	195
108	115	196
109	116	197
110	117	198

KVA	KW	AMPS
111	118	199
112	119	200
113	120	201
114	121	202
115	122	203
116	123	204
117	124	205
118	125	206
119	126	207
120	127	208
121	128	209
122	129	210
123	130	211
124	131	212
125	132	213
126	133	214
127	134	215
128	135	216
129	136	217
130	137	218
131	138	219
132	139	220
133	140	221
134	141	222
135	142	223
136	143	224
137	144	225
138	145	226
139	146	227
140	147	228
141	148	229
142	149	230
143	150	231
144	151	232
145	152	233
146	153	234
147	154	235
148	155	236
149	156	237
150	157	238
151	158	239
152	159	240
153	160	241
154	161	242
155	162	243
156	163	244
157	164	245
158	165	246
159	166	247
160	167	248

KVA	KW	AMPS
161	168	249
162	169	250
163	170	251
164	171	252
165	172	253
166	173	254
167	174	255
168	175	256
169	176	257
170	177	258
171	178	259
172	179	260
173	180	261
174	181	262
175	182	263
176	183	264
177	184	265
178	185	266
179	186	267
180	187	268
181	188	269
182	189	270
183	190	271
184	191	272
185	192	273
186	193	274
187	194	275
187.5	195	276
188	196	277
189	197	278
190	198	279
191	199	280
192	200	281
193	201	282
194	202	283
195	203	284
196	204	285
197	205	286
198	206	287
199	207	288
200	208	289
201	209	290
202	210	291
203	211	292
204	212	293
205	213	294
206	214	295
207	215	296
208	216	297
209	217	298

KVA	KW	AMPS	KVA	KW	AMPS	KVA	KW	AMPS	KVA	KW	AMPS	KVA	KW	AMPS	KVA	KW	AMPS
210	218	299	260	268	349	310	318	399	359	368	449	409		499	459	549	
211	219	300	261	269	350	311	319	400	360	369	450	410	500	460	550		
212	220	301	262	270	351	312	320	401	361	370	451	411	501	461	551		
213	221	302	263	271	352	312.5	321	402	362	371	452	412	502	462	552		
214	222	303	264	272	353	313	322	403	363	372	453	413	503	463	553		
215	223	304	265	273	354	314	323	404	364	373	454	414	504	464	554		
216	224	305	266	274	355	315	324	405	365	374	455	415	505	465	555		
217	225	306	267	275	356	316	325	406	366	375	456	416	506	466	556		
218	226	307	268	276	357	317	326	407	367	376	457	417	507	467	557		
219	227	308	269	277	358	318	327	408	368	377	458	418	508	468	558		
220	228	309	270	278	359	319	328	409	369	378	459	419	509	469	559		
221	229	310	271	279	360	320	329	410	370	379	460	420	510	470	560		
222	230	311	272	280	361	321	330	411	371	380	461	421	511	471	561		
223	231	312	273	281	362	322	331	412	372	381	462	422	512	472	562		
224	232	313	274	282	363	323	332	413	373	382	463	423	513	473	563		
225	233	314	275	283	364	324	333	414	374	383	464	424	514	474	564		
226	234	315	276	284	365	325	334	415	375	384	465	425	515	475	565		
227	235	316	277	285	366	326	335	416	376	385	466	426	516	476	566		
228	236	317	278	286	367	327	336	417	377	386	467	427	517	477	567		
229	237	318	279	287	368	328	337	418	378	387	468	428	518	478	568		
230	238	319	280	288	369	329	338	419	379	388	469	429	519	479	569		
231	239	320	281	289	370	330	339	420	380	389	470	430	520	480	570		
232	240	321	282	290	371	331	340	421	381	390	471	431	521	481	571		
233	241	322	283	291	372	332	341	422	382	391	472	432	522	482	572		
234	242	323	284	292	373	333	342	423	383	392	473	433	523	483	573		
235	243	324	285	293	374	334	343	424	384	393	474	434	524	484	574		
236	244	325	286	294	375	335	344	425	385	394	475	435	525	485	575		
237	245	326	287	295	376	336	345	426	386	395	476	436	526	486	576		
238	246	327	288	296	377	337	346	427	387	396	477	437	527	487	577		
239	247	328	289	297	378	338	347	428	388	397	478	438	528	488	578		
240	248	329	290	298	379	339	348	429	389	398	479	439	529	489	579		
241	249	330	291	299	380	340	349	430	390	399	480	440	530	490	580		
242	250	331	292	300	381	341	350	431	391	400	481	441	531	491	581		
243	251	332	293	301	382	342	351	432	392		482	442	532	492	582		
244	252	333	294	302	383	343	352	433	393		483	443	533	493	583		
245	253	334	295	303	384	344	353	434	394		484	444	534	494	584		
246	254	335	296	304	385	345	354	435	395		485	445	535	495	585		
247	255	336	297	305	386	346	355	436	396		486	446	536	496	586		
248	256	337	298	306	387	347	356	437	397		487	447	537	497	587		
249	257	338	299	307	388	348	357	438	398		488	448	538	498	588		
250	258	339	300	308	389	349	358	439	399		489	449	539	499	589		
251	259	340	301	309	390	350	359	440	400		490	450	540	500	590		
252	260	341	302	310	391	351	360	441	401		491	451	541		591		
253	261	342	303	311	392	352	361	442	402		492	452	542		592		
254	262	343	304	312	393	353	362	443	403		493	453	543				
255	263	344	305	313	394	354	363	444	404		494	454	544				
256	264	345	306	314	395	355	364	445	405		495	455	545				
257	265	346	307	315	396	356	365	446	406		496	456	546				
258	266	347	308	316	397	357	366	447	407		497	457	547				
259	267	348	309	317	398	358	367	448	408		498	458	548				



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