WORLDWIDE ELECTRIC CORPORATION

(800) 808-2131
worldwideelectric.com

Generators
Stock Products Catalog

2023

WorldWide Electric now offers a reliable line of generators for industrial and light tower applications.

Generators

Reliable designs for industrial and light tower applications

WorldWide Electric has been in the motor business for over two decades, providing reliable and affordable electric motors, motor controls, and gear reducers for many industrial applications. We now offer a range of reliable alternators for standby and continuous-duty industrial and marine generator applications and a specific product range for light tower applications.

Manufactured in an ISO 9001-certified facility per IEC 600341-1 & -2 requirements, BS4990 & 5000, NEMA MG1 2006, CSA, and CE to quality standards, integrated into our world-class supply chain, our generators are available for order today!

In-stock Generators

- Pancake Style Generators for Light Tower Applications
- Double Bearing Generators, Three-phase
- Single Bearing Generators, 4 Lead, Single-phase, 2 Pole
- Single Bearing Generators, 4 Lead, Single-phase, 2 Pole
- Single Bearing Generators, 12 Lead, Three-phase, 2 Pole
- Single Bearing Generators, 12 Lead, Three-phase, 4 Pole

Table Of Contents

WorldWide Electric Generators are designed and manufactured for safe and reliable operation, in factories certified to ISO 9001. WorldWide Electric generators are rated for standby or continuous duty, and can meet the needs of any application. A wide range of configurations are available, as well as optional modifications, and accessories.

WorldWide Electric AC synchronous generators are brushless 2 pole or 4 pole, self-ventilated alternators, which create 60 Hz power at 1800 RPM or 50 Hz power at 1500 RPM. The generators can be provided in one or two bearing configurations. They are designed and built in accordance with IEC 600341-1 & -2 requirements, BS4990 & 5000, NEMA MG1 2006, CSA, and CE.

Generators carry the following quality marks from internationally recognized agencies:

Windings are randomly wound on stators made of electrical laminations using NEMA 400 laminate steel. The windings are wound with 2/3 pitch and insulated with Class H insulation using epoxy. The rotor employs an aluminum alloy, or optional copper, amortisseur winding, and uses brushless excitation. Each rotor is dynamically balanced to provide smooth operation.

Heavy duty ball bearings are used throughout, designed with a minimum life expectancy of 40,000 operating hours. Bearings are either “lifetime lubricated” or equipped with grease fittings. Excitation systems for generators include a choice of Shunt, Auxiliary Winding, or Permanent Magnet (PMG). The alternators are designed with short circuit capability of up to 270% of rated KVA using the optional Auxiliary Winding, and 300% with the PMG excitation system. Numerous automatic voltage regulators (AVR) are available in single or three phase and Average or RMS sensing. Voltage regulation accuracy ranges from ±1.0% to ±0.25%, depending on the AVR/excitation system selected. All AVR’s are equipped with Under Speed Protection.

Single bearing alternators come with SAE adapter housing, flexible discs, standard voltage regulator, and specified IP Protection (IP) 22 or 23 depending on model. Two bearing generators include a drive end bracket and shaft extension. A saddle box atop the generator contains the AVR and power connection terminals.

Special Features

- Advanced automatic voltage regulator control for trouble-free operation under
- the most demanding condition.
- Easy paralleling with mains or other generators.
- Standard 2/3 pitch windings avoid excessive neutral currents.
- One slot stator skewing further reduces harmonics.
- Dynamically balanced rotors, with sealed-for-life ball bearings and single or two-bearing construction.
- Simple installation and maintenance, with easy access to terminals, rotating diodes and coupling bolts.
- Built to conform with all leading industrial standards.
- Wide range of Flange adaptor and single bearing coupling disc.
- Exciter's Stator is equipped with permanent magnetic steel. It can make generator starting smoothly in any occasions.

Specifications and Options

- Standards - The industrial generators meet the requirements of BS5000 part 3, VDE0530, IEC34-1.

Excitation systems

- With self-excited systems the main stator provides power via the automatic voltage regulator (AVR) to the exciter stator. The high efficiency semiconductors of the AVR ensure positive build up from initial low level of residual voltage.
- The exciter rotor output is fed to the main rotor through a three phase full wave bridge rectifier. The rectifier is protected by a surge suppressor against surges caused, for short circuit or out-of-phase paralleling.
- AVR will support a range of electronic accessories, including a droop current transformer (CT) to permit parallel operation with other ac generators.

Voltage regulation

- SX460/SX440/AS440 AVRs are 2 phase average voltage sensed and will control the generator output voltage to within +/-1% from no load to full load including cold to hot variations for any power factor between 0.8 lagging and unity allowing for a 4% engine speed variation. Voltage is adjustable by using a trimmer on the AVR.
- MX341/MX321 AVRs ,together with PMG ,can be selected as option.

Unbalanced load

- The alternators permit an unbalanced load of 25% rated current. The deviation of line voltage is less than 5%.

Dynamic voltage characteristics

- The transient dip in voltage when rated load is placed on the alternators at 0.8 power factor is less than 20%Un. The recovery time is between 0.2 and 1.0 second.

Overload

- Short time load rating of up to 150% of the rated current in 2 minutes.
- The alternators can carry a load of 110% for one hour within 12 hours.

Insulation/impregnation

- The insulation system is class H.
- All wound components are impregnated with materials and processes designed specifically to provide protection against the harsh environments encountered in generator applications. Resin based materials are selected and developed to provide the high quality required for static windings and the high mechanical strength required for rotating components.

Impregnation

All alternator windings are in excellent dielectric strength manufactured by vacuum impregnation. The stator windings are also manufactured in special resin process for the alternators suitable for operation in moisture, oil vapour, salt contamination environment. Windings and Electrical performance.
Generator stator is wound to 2/3 pitch. This eliminates tripling (3rd, 9th, 15th) harmonics on the voltage waveform and is found to be the optimum design for trouble-free supply for non-linear loads. The 2/3 pitch design avoids excessive neutral current sometimes occurs with higher winding pitches, when in parallel with mains. A full connected damper winding reduces oscillations during paralleling. This winding, with 2/3 pitch and carefully selected pole and tooth designs, ensures very low waveform distortion.

Telephone interference

THF(as defined by 8S4999 Part 40) is better than 2%. TIF(as defined by ASACS0.12) is better than 50.

Radio interference

The absence of brushgear and the high quality AVR ensure low levels of interference with radio transmissions. The alternators are supplied with interference suppression grade N to VDE 0875.

Terminals & Terminal Box

Standard generators are 3 phase reconnectable with 12 ends brought out to the terminals, which are mounted on a cover at the non-drive end of the generator. A sheet steel terminal box contains the AVR and provides ample space for customers' wiring and gland arrangements. It has removable panels for easy access.

Damper winding

The alternators incorporate a damper winding in order to ensure good parallel running with mains network and other machines. Inserted into the shoes of the poles are the bars of the damper winding which are connected together at each end of the poles to form a closed cage. This arrangement provides the alternator with excellent damping against the torsinal vibration that occurs during changes in load and when running in parallel.

Model Number Selection

AF D1 1 04

LEADS
04 — 4-Lead (Single-Phase)
12 — 12-Lead (Three-Phase)

BEARING
1 — Single 2 — Double

POLES & CORE SIZE
D1 — A, 4-pole
D2 — B, 4-pole
D3 — C, 4-pole
D4 — D, 4-pole
D5 — E, 4-pole
D6 — F, 4-pole
D7 — G, 4-pole
D8 — H, 4-pole
D9 — J, 4-pole
D10 — K, 4-pole
*4-pole = 1800 RPM, 2-pole = 3600 RPM
B1 — D, 2-pole
B2 — E, 2-pole
B3 — F, 2-pole
B4 -— G, 2-pole
B8 — H, 2-pole
B9 — J, 2-pole
B10 — K, 2-pole

FRAME
AF — 16 BB — 22 DD — 4 FD — 6
AH — 18 BG — 27 ED — 5

Available SAE Adaptor / Coupling

Adaptor	Coupling	AF	AH	BB	BG	D	E	F
6	6.5	A						
	7.5	A						
5	6.5	O	A					
	7.5	A	A					
	ALPHA	A	A					
4	6.5	A	A					
	7.5	O	A	X				
	8	O	O*	A				
	10	O	O*	A				
	11.5	A						
3	8		X	A				
	10	A	O*	O	O			
	11.5	A	O*	O	O			
2	10			A	A			
	11.5		X	O	O	A		
1	11.5			A	A	A		
	14			A	O	O	A	A
	17.75D				X	A	A	
1/2	14					A	A	A
	18						A	A
	17.75D					A	A	A
0	14						A	A
	18					O	A	O
	7.75D					A	O	A
0	18						A	A
	21						A	A
	24						A	A

A-Available O- Most Common X- Special order

Document No: GEN-CAT-04.2023 | For more information, please contact customerservice@worldwideelectric.com

Phone: +1 (800) 808-2131

Alternators are rated for balanced load with power factor between 0.8 and 1. The following de-rating factors must be considered for high altitude operation and power factor.

Ratings are based on 104°F (40°C) ambient temperature, at altitudes less than 3280 feet (1000 meters)

Altitude (feet) above Sea Level	Output Percent of Rated Values
3280	100%
4920	97%
6560	94%
8200	91%
9840	87%
11480	82%
13120	77%
14760	73%
16400	69%

Power Factor	Output Percent of Rated Values
1.0-0.8	100%
0.7	96%
0.6	92%
0.5	91%
0.4	90%
0.0	88%

The following de-rating factors must be considered for high ambient temperatures.

Ambient Temperature (°C)	Output Percent of Rated Values
40	100%
45	97%
50	94%
55	91%
60	88%

The following de-rating factors should be kept in mind for international protection (IP) ratings.

IP Rating	Output Percent of Rated Values
IP21	100%
IP22	100%
IP23	95%

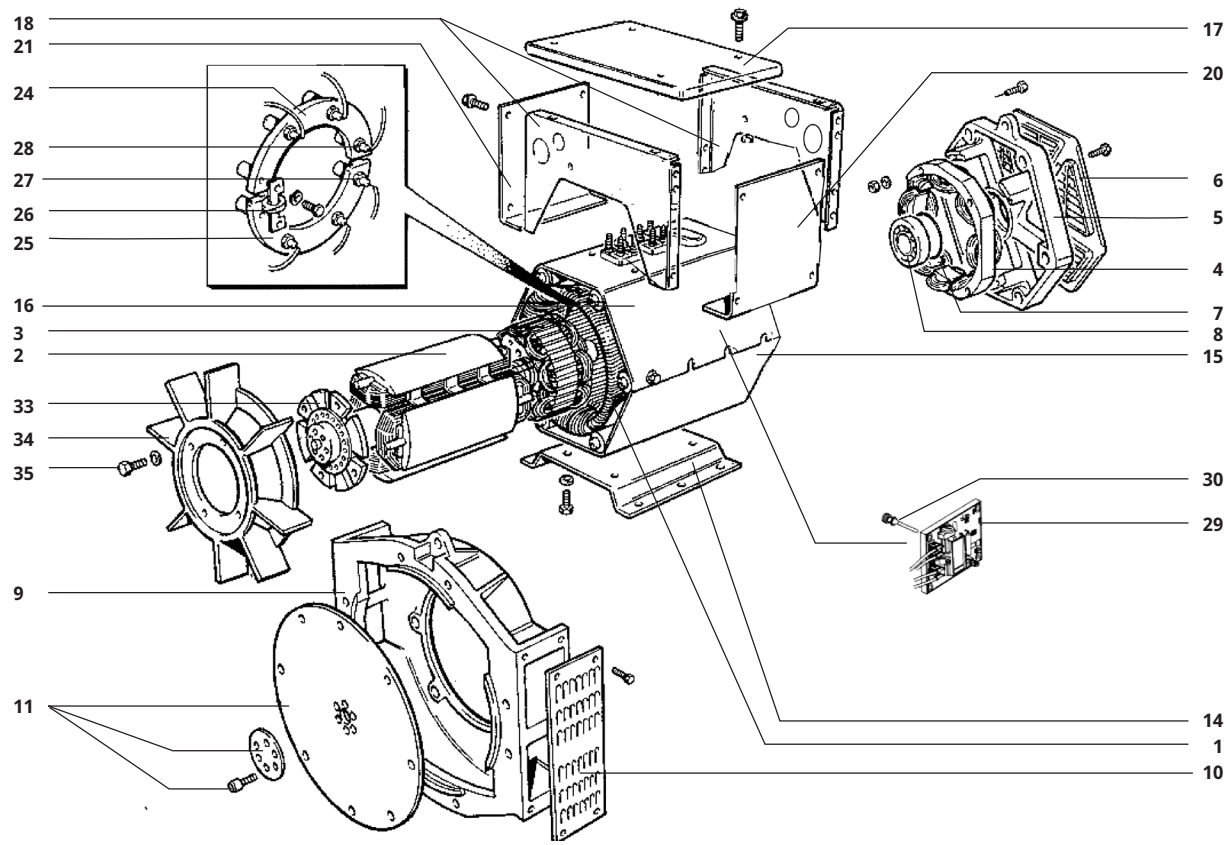
The following overload ratings are standard for generators

10% for 1 hour
15% for 10 minutes
25% for 5 minutes
50% for 2 minutes

The total harmonic distortion, line to line, on a balanced linear three phase load is < 4%.

The data presented herein is intended for use by qualified power generation / conversion engineers. This catalog does not replace or supersede any data contained in documents shipped with alternators. WorldWide Electric makes every effort to distribute an accurate catalog. However, our generators and accessories are continuously being improved. Therefore, all information is subject to change without notice.

The installation and use of WorldWide Electric products must be in accordance with the provisions of the National Electrical and/or other local codes, or industry standards that apply to the particular end use. Misapplication of this equipment may cause serious personal injury.



ITEM	DESCRIPTION	PART NO.	PRICE
1	Main Stator Assembly		
2	Main Rotor Assembly		
3	Excitor Rotor		
4	Excitor Stator		
5	NDN bracket		
6	Air Inlet Louver		
7	O ring		
8	NDE bearing		
9	AFD-AHD, SAE3 ADAPTOR(ROUND)	SAE3Flange	$658.00
	AFD-AHD, SAE4 ADAPTOR(ROUND)	SAE4Flange	$598.00
	AFD-AHD, SAE5 ADAPTOR(ROUND)	SAE5Flange	$538.00
	BBD, SAE2 ADAPTOR(ROUND)	SAE2-1Flange	$778.00
	BBD, SAE3 ADAPTOR(ROUND)	SAE3-1Flange	$748.00
	BBD, SAE4 ADAPTOR(ROUND)	SAE4-1Flange	$688.00
	BGD, SAE1 ADAPTOR(ROUND)	SAE1-2Flange	$1,041.00
	BGD, SAE2 ADAPTOR(ROUND)	SAE2-2Flange	$927.00
	BGD, SAE3 ADAPTOR(ROUND)	SAE3-2Flange	$957.00
	AFD-AHD, SAE4 ADAPTOR(SQUARE)	SAE4SFlange	$598.00
10	Air Outlet screen cover		
11	AFD AFG, Disk/Flywheel Sold & Priced in sets of 2	DP6.5	$239.00
	AFD AFG, Disk/Flywheel Sold & Priced in sets of 2	DP7.5	$239.00
	AFD AFG, Disk/Flywheel Sold & Priced in sets of 2	DP8	$239.00
	AFD AFG, Disk/Flywheel Sold & Priced in sets of 2	DP10	$239.00
	AFD AFG, Disk/Flywheel Sold & Priced in sets of 2	DP11.5	$239.00
	BBD BGD, Disk/Flywheel Sold & Priced in sets of 2	DP10-1	$239.00
	BBD BGD, Disk/Flywheel Sold & Priced in sets of 2	DP11.5-1	$239.00
	BBD BGD, Disk/Flywheel Sold & Priced in sets of 2	DP14-2	$359.00

ITEM	DESCRIPTION	PART NO.	PRICE
14	Foot		
15	Bottom frame cover		
16	Top frame cover		
17	Terminal box cover		
18	DE terminal box panel		
19	NDE terminal box panel		
20	Right side terminal box panel		
21	Left side terminal box panel		
24-25	Diode Ring Assembly, All AF, AHD5-AHD7	DiodeRA1	$269.00
	Diode Ring Assembly, AHD8, AHD9, All: BB, BG	DiodeRA2	$269.00
26	Surge Suppressor, Varistor, All AF, AHD5-AHD7	Surge1	$30.00
	Surge Suppressor, Varistor, AHD8, AHD9, All: BB, BG	Surge2	$24.00
27-28	3 x FWD, 3 x Rev,total 6 diodes, AFD1112-4112, AHD5112-9112	Diode1	$179.00
	3 x FWD, 3 x Rev,total 6 diodes, BBD3112-7112	Diode2	$179.00
	3 x FWD, 3 x Rev,total 6 diodes, Pancake Models: 164S16, 164T16	Diode3	$179.00
29	AVR, AFD/AHD /BBD	AGR460	$389.00
	AVR, BGD/DDD/EDD	AS440	$449.00
	AVR, used together with PMG for big machine	MX341	$837.00
	AVR, used together with PMG for big machine	MX321	$1,376.00
34	SAE 4 fan for the 164A-184G	SAE4Fan	$122.00
	SAE5 Fan for 164A-184G	SAE5Fan	$122.00
Misc.	Capacitor, Pancake (Light Tower) Models 164S16, 164T16	CAP2	$80.00
	Rubber Edging for Generator Saddle Box (per Yard)	RUBBEREDGE	$6.00
	Jumper for all AVR	AGRJ1	$0.50

12 Lead, Three-Phase, 4 Pole, 60 Hz

- 1800 RPM
- 60 Hz
- 12 Lead
- 4 Pole
- Three-Phase
- 0.8 Power Factor
- 40°C Ambient
- Series Star (Wye) 416-480V
- Parallel Star (Wye) 208-240V
- Series Delta 240-277V
- AS440 AVR

*__NOTE__: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Continuous Duty												
Model Number	Class B (80°C)		Class F (105°C)		Class H (125°C)		Efficiency PF 0.8	Class H (150°C)		Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	kVA	kW	kVA	kW	kVA	kW		kVA	kW			
AFD1112	8.2	6.6	9.4	7.5	10.2	8.2	77.4	N/A	N/A	187	5x7.5	$2,983.05
AFD2112	11.0	8.8	12.5	10.0	13.8	11.0	80.5	N/A	N/A	198	4x7.5	$3,121.65
AFD3112	13.5	10.8	15.6	12.5	16.9	13.5	81.7	N/A	N/A	212	4x7.5	$3,240.30
AFD4112	16.0	12.8	18.8	15.0	20.0	16.0	82.7	N/A	N/A	218	4x7.5	$3,322.20
AHD5112	19.7	15.8	26.3	21.0	28.8	23.0	85.6	N/A	N/A	265	4x7.5	$3,730.65
AHD6112	25.8	20.6	31.3	25.0	34.4	27.5	86.7	35.0	28.0	331	4x7.5	$4,076.10
AHD7112	28.3	22.7	34.4	27.5	37.5	30.0	87.6	39.0	31.0	344	4x7.5	$4,339.65
AHD8112	37.5	30.0	43.0	34.4	46.9	37.5	87.5	48.0	38.0	476	3x11.5	$5,017.95
AHD9112	40.0	32.0	45.8	36.6	50.0	40.0	87.8	52.0	41.0	498	3x11.5	$5,212.20
BBD3112	43.6	34.8	46.3	37.0	52.5	42.0	87.9	55.0	44.0	518	3x11.5	$5,608.05
BBD4112	52.7	42.2	56.0	44.8	62.5	50.0	88.8	65.0	52.0	551	3x11.5	$5,877.90
BBD5112	60.0	48.2	65.0	52.0	70.0	56.0	89.4	73.0	59.0	595	3x11.5	$6,330.45
BBD6112	72.0	58.1	78.0	62.0	87.5	70.0	90.5	92.0	74.0	683	3x11.5	$6,958.35
BBD7112	84.0	67.0	93.0	75.0	100.0	80.0	91.0	102.0	82.0	772	3x11.5	$7,573.65
BGD3112	96.0	77.0	106.0	85.0	117.5	94.0	91.0	125.0	100.0	849	3x11.5	$8,490.30
BGD4112	110.0	88.0	125.0	100.0	150.0	120.0	91.2	145.0	116.0	893	3x11.5	$9,275.70
BGD5112	138.0	110.0	143.0	115.0	168.0	134.4	92.1	175.0	140.0	1003	3x11.5	$9,872.10
BGD6112	165.0	132.0	172.0	138.0	190.0	152.0	92.6	200.0	160.0	1102	3x11.5	$10,651.20
BGD7112	188.0	150.0	199.0	159.0	213.0	170.0	92.8	228.0	183.0	1213	3x11.5	$11,624.55
BGD8112	209.3	167.4	225.0	180.0	245.0	196.0	93.6	258.0	207.0	1323	3x11.5	$12,384.75
BGD9112	230.0	183.8	247.0	198.0	281.0	225.0	93.8	295.0	236.0	1389	1x14	$13,407.45
BGD10112	257.0	206.0	275.0	220.0	300.0	240.0	94.1	312.0	250.0	1389	1x14	$13,897.80
DDD3112	257.0	206.0	275.0	220.0	300.0	240.0	92.8	320.0	256.0	1896	1x14	$17,068.80
DDD4112	298.0	239.0	330.0	264.0	360.0	288.0	93.5	388.0	310.0	2039	1x14	$18,620.70
DDD5112	350.0	280.0	375.0	300.0	400.0	320.0	93.6	431.0	345.0	2205	1x14	$20,247.15
DDD6112	399.0	319.0	425.0	340.0	463.0	370.0	93.8	488.0	390.0	2326	1x14	$22,225.35
EDD3112	487.0	389.0	531.0	425.0	581.0	465.0	94.0	613.0	490.0	2784	1x14	$26,897.85
EDD4112	538.0	430.0	563.0	450.0	625.0	500.0	94.4	655.0	524.0	3071	1x14	$29,001.00
EDD5112	613.0	491.0	663.0	530.0	732.0	586.0	94.9	780.0	624.0	3402	1x14	$31,337.25
EDD6112	673.0	538.0	731.0	585.0	800.0	640.0	94.9	848.0	678.0	3715	1x14	$33,730.20
FDD2112	718.0	575.0	823.0	659.0	895.0	716.0	93.3	942.0	754.0	4376	0x18	$42,127.05
FDD3112	766.0	613.0	880.0	704.0	958.0	766.0	93.6	1010.0	808.0	4577	0x18	$43,496.25
FDD4112	875.0	700.0	1000.0	800.0	1090.0	872.0	93.5	1150.0	920.0	4923	0x18	$45,084.90
FDD5112	958.0	766.0	1100.0	880.0	1197.0	958.0	94.3	1280.0	1024.0	5278	0x18	$47,558.70
FDD6112	1066.0	852.0	1225.0	980.0	1332.0	1066.0	94.8	1400.0	1120.0	5904	0x18	$51,955.05
FDD7112	1160.0	928.0	1340.0	1072.0	1449.0	1159.0	95.0	1550.0	1240.0	4332	0x18	$57,832.95

12 Lead, Three-Phase, 4 Pole, 50 Hz

- 1500 RPM
- 50 Hz
- 12 Lead
- 4 Pole
- Three-Phase
- 0.8 Power Factor
- 40°C Ambient
- Series Star (Wye) 380-440V
- Parallel Star (Wye) 190-240V
- Series Delta 200-240V
- AS440 AVR

***NOTE**: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Continuous Duty												
Model Number	Class B (80°C)		Class F (105°C)		Class H (125°C)		Efficiency PF 0.8	Class H (150°C)		Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	kVA	kW	kVA	kW	kVA	kW		kVA	kW			
AFD1112	6.4	5.1	7.5	6.0	8.1	6.5	77.4	N/A	N/A	187	5x7.5	$2,983.05
AFD2112	8.0	6.4	10.0	8.0	11.0	8.8	80.5	N/A	N/A	198	4x7.5	$3,121.65
AFD3112	10.0	8.0	12.5	10.0	13.5	10.8	81.7	N/A	N/A	212	4x7.5	$3,240.30
AFD4112	12.0	9.6	15.0	12.0	16.0	12.8	82.7	N/A	N/A	218	4x7.5	$3,322.20
AHD5112	15.0	12.0	20.0	16.0	22.5	18.0	85.6	N/A	N/A	265	4x7.5	$3,730.65
AHD6112	20.0	16.0	25.0	20.0	27.5	22.0	86.7	29.0	23.0	331	4x7.5	$4,076.10
AHD7112	22.2	17.8	29.0	23.2	31.3	25.0	87.6	33.0	26.0	344	4x7.5	$4,339.65
AHD8112	29.2	23.4	34.4	27.5	37.5	30.0	87.5	39.0	31.0	476	3x11.5	$5,017.95
AHD9112	31.5	25.2	39.0	31.2	40.0	32.0	87.8	44.0	35.0	498	3x11.5	$5,212.20
BBD3112	34.7	27.8	37.5	30.0	42.5	34.0	87.9	45.0	36.0	518	3x11.5	$5,608.05
BBD4112	40.7	32.6	45.0	36.0	50.0	40.0	88.8	53.0	42.0	551	3x11.5	$5,877.90
BBD5112	47.0	37.6	53.0	42.4	60.0	48.0	89.4	61.0	49.0	595	3x11.5	$6,330.45
BBD6112	56.4	45.1	65.0	52.0	72.5	58.0	90.5	77.0	61.0	683	3x11.5	$6,958.35
BBD7112	65.6	52.5	75.0	60.0	85.0	68.0	91.0	87.0	70.0	772	3x11.5	$7,573.65
BGD3112	76.1	60.9	83.8	67.0	100.0	80.0	91.0	106.0	84.0	849	3x11.5	$8,490.30
BGD4112	88.6	70.9	105.0	84.0	125.0	100.0	91.2	127.0	101.0	893	3x11.5	$9,275.70
BGD5112	111.6	89.3	125.0	100.0	140.0	112.0	92.1	145.0	116.0	1003	3x11.5	$9,872.10
BGD6112	130.0	104.0	145.0	116.0	160.0	128.0	92.6	170.0	136.0	1102	3x11.5	$10,651.20
BGD7112	141.8	113.4	163.8	131.0	180.0	144.0	92.8	187.0	149.0	1213	3x11.5	$11,624.55
BGD8112	164.7	131.8	181.3	145.0	200.0	160.0	93.6	212.0	169.0	1323	3x11.5	$12,384.75
BGD9112	170.0	144.5	210.0	168.0	225.0	180.0	93.8	236.0	189.0	1389	1x14	$13,407.45
BGD10112	185.0	148.0	216.3	173.0	250.0	200.0	93.0	250.0	200.0	1389	1x14	$13,897.80
DDD3112	197.0	158.0	220.0	176.0	250.0	200.0	92.8	313.0	250.0	1896	1x14	$17,068.80
DDD4112	221.0	177.0	268.0	214.0	300.0	240.0	93.5	345.0	376.0	2039	1x14	$18,620.70
DDD5112	267.0	213.0	300.0	240.0	325.0	260.0	93.6	390.0	312.0	2205	1x14	$20,247.15
DDD6112	296.0	236.0	350.0	280.0	375.0	300.0	93.8	512.0	410.0	2326	1x14	$22,225.35
EDD3112	365.0	292.0	445.0	356.0	450.0	360.0	94.0	575.0	460.0	2784	1x14	$26,897.85
EDD4112	410.0	328.0	495.0	396.0	500.0	400.0	94.4	640.0	512.0	3071	1x14	$29,001.00
EDD5112	483.0	386.0	560.0	448.0	600.0	480.0	94.9	710.0	568.0	3402	1x14	$31,337.25
EDD6112	517.0	414.0	620.0	496.0	670.0	536.0	94.9	800.0	640.0	3715	1x14	$33,730.20
FDD2112	587.0	469.0	690.0	552.0	750.0	600.0	93.3	848.0	678.0	4376	0x18	$42,127.05
FDD3112	627.0	502.0	738.0	590.0	800.0	640.0	93.6	965.0	772.0	4577	0x18	$43,496.25
FDD4112	714.0	672.0	840.0	672.0	910.0	728.0	93.5	1060.0	848.0	4923	0x18	$45,084.90
FDD5112	786.0	629.0	925.0	740.0	1000.0	800.0	94.3	1200.0	960.0	5278	0x18	$47,558.70
FDD6112	888.0	755.0	1045.0	836.0	1130.0	904.0	94.8	1325.0	1060.0	5904	0x18	$51,955.05
FDD7112	982.0	785.0	1155.0	924.0	1250.0	1000.0	95.0	1550.0	1240.0	4332	0x18	$57,832.95

12 Lead, Three-Phase, 2 Pole, 60 Hz

- 3600 RPM
- 60 Hz
- 12 Lead
- 2 Pole
- Three-Phase
- 0.8 Power Factor
- 40°C Ambient
- Series Star (Wye) 380-480V
- Parallel Star (Wye) 190-240V
- AS440 AVR

*__NOTE__: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Model Number	kVA	kW	Efficiency	Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
AFB1112	15.6	12.5	73.5	183	5x6.5	$3,171.00
AFB2112	18.8	15.0	77.0	207	5x6.5	$3,366.30
AFB3112	21.9	17.5	79.2	223	5x6.5	$3,484.95
AFB4112	31.3	25.0	81.7	258	5x6.5	$3,667.65
AHB8112	35.0	28.0	82.0	351	4x6.5	$4,000.50
AHB9112	40.0	32.0	83.1	287	4x6.5	$4,257.75
AHB10112	46.9	37.5	84.4	315	4x6.5	$4,515.00

12 Lead, Three-Phase, 2 Pole, 50 Hz

- 3000 RPM
- 50 Hz
- 12 Lead
- 2 Pole
- Three-Phase
- 0.8 Power Factor
- 40°C Ambient
- Series Star (Wye) 380-440V
- Parallel Star (Wye) 190-220V
- AS440 AVR

*__NOTE__: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Model Number	kVA	kW	Efficiency	Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
AFB1112	12.5	10.0	74.0	183	5x6.5	$3,171.00
AFB2112	15.0	12.0	77.5	207	5x6.5	$3,366.30
AFB3112	17.5	14.0	79.6	223	5x6.5	$3,484.95
AFB4112	25.0	20.0	81.9	258	5x6.5	$3,667.65
AHB8112	30.0	24.0	82.3	351	4x6.5	$4,000.50
AHB9112	35.0	28.0	83.4	287	4x6.5	$4,257.75
AHB10112	37.5	30.0	85.0	315	4x6.5	$4,515.00

4 Lead, Single-Phase, 4 Pole, 60 Hz

- 1800 RPM
- 60 Hz
- 4 Lead
- 4 Pole
- Single-Phase
- 40°C Ambient
- Series 220-240V
- Parallel 110-120V
- AS440 AVR

*__NOTE__: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Continuous Duty												
Model Number	PF 0.8						PF 1.0		Efficiency %	Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	Class B (80°C)		Class F (105°C)		Class H (125°C)		105°C	125°C				
	kVA	kW	kVA	kW	kVA	kW	kW	kW				
AFD1104	4.7	3.8	5.9	4.7	6.4	5.1	7.5	8.2	70.5	187	5x7.5	$2,983.05
AFD2104	6.4	5.1	8.0	6.4	8.8	7.0	10.0	11.0	74.1	198	4x7.5	$3,121.65
AFD3104	8.0	6.4	10.0	8.0	10.8	8.6	12.4	13.5	75.8	212	4x7.5	$3,240.30
AFD4104	9.8	7.8	12.3	9.8	13.5	10.8	15.0	16.5	77.0	218	4x7.5	$3,322.20
AHD5104	13.2	10.6	16.5	13.2	18.4	14.7	19.0	21.0	82.0	265	4x7.5	$3,730.65
AHD6104	16.0	12.8	20.0	16.0	21.9	17.5	23.0	25.6	83.5	331	4x7.5	$4,076.10
AHD7104	18.4	14.7	23.0	18.4	25.0	20.0	27.0	30.8	84.2	344	4x7.5	$4,339.65
AHD8104	23.0	18.4	28.7	23.0	31.3	25.0	32.0	35.0	84.5	476	3x11.5	$5,017.95
AHD9104	25.6	20.5	32.0	25.6	35.0	28.0	36.0	40.0	84.6	498	3x11.5	$5,212.20
BBD3104	27.0	21.6	33.8	27.0	37.5	30.0	33.8	37.5	84.8	518	3x11.5	$5,608.05
BBD4104	32.0	25.6	40.0	32.0	44.0	35.0	40.0	44.0	85.5	551	3x11.5	$5,877.90
BBD5104	37.8	30.2	47.3	37.8	50.0	40.0	47.3	50.0	86.3	595	3x11.5	$6,330.45
BBD6104	45.5	36.4	56.9	45.5	60.0	48.0	56.9	60.0	87.5	683	3x11.5	$6,958.35
BBD7104	52.5	42.0	65.0	52.5	70.0	56.0	65.6	75.0	88.4	772	3x11.5	$7,573.65
BGD3104	60.0	48.0	75.0	60.0	84.0	67.0	75.0	90.0	87.8	849	3x11.5	$8,490.30
BGD4104	70.0	56.0	87.5	70.0	96.0	77.0	87.0	100.0	87.9	893	3x11.5	$9,275.70
BGD5104	80.0	64.0	100.0	80.0	112.0	90.0	100.0	115.0	88.9	1003	3x11.5	$9,872.10
BGD6104	100.0	80.0	125.0	100.0	135.0	108.0	125.0	135.0	89.2	1102	3x11.5	$10,651.20
BGD7104	110.0	88.0	137.5	110.0	150.0	120.0	137.0	150.0	90.1	1213	3x11.5	$11,624.55
BGD8104	115.0	92.0	143.8	115.0	156.0	125.0	143.0	156.0	90.8	1323	3x11.5	$12,384.75

4 Lead, Single-Phase, 4 Pole, 50 Hz

- 1500 RPM
- 50 Hz
- 4 Lead
- 4 Pole
- Dedicated Single-Phase
- 40°C Ambient
- Series 220-240V
- Parallel 110-120V
- AS440 AVR

***NOTE**: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Continuous Duty												
Model Number	PF 0.8						PF 1.0		Efficiency %	Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	Class B (80°C)		Class F (105°C)		Class H (125°C)		105°C	125°C				
	kVA	kW	kVA	kW	kVA	kW	kW	kW				
AFD1104	4.0	3.2	5.0	4.0	5.4	4.3	6.2	6.8	70.0	187	5x7.5	$2,983.05
AFD2104	5.4	4.3	6.8	5.4	7.4	5.9	7.6	8.4	73.9	198	4x7.5	$3,121.65
AFD3104	6.8	5.4	8.5	6.8	9.0	7.2	9.6	11.0	75.5	212	4x7.5	$3,240.30
AFD4104	8.0	6.4	10.0	8.0	8.8	11.8	13.0	76.9	76.9	218	4x7.5	$3,322.20
AHD5104	10.8	8.6	13.5	10.8	15.0	12.0	15.0	16.6	81.9	265	4x7.5	$3,730.65
AHD6104	13.4	10.7	16.8	13.4	18.5	14.8	18.0	20.0	83.3	331	4x7.5	$4,076.10
AHD7104	15.5	12.4	19.4	15.5	21.0	16.8	20.5	22.8	83.9	344	4x7.5	$4,339.65
AHD8104	18.3	14.6	22.9	18.3	25.0	20.0	24.7	27.0	84.1	476	3x11.5	$5,017.95
AHD9104	20.6	16.5	25.7	20.6	28.0	22.4	27.5	30.0	84.3	498	3x11.5	$5,212.20
BBD3104	20.0	16.0	25.0	20.0	28.0	22.4	25.0	28.0	84.4	518	3x11.5	$5,608.05
BBD4104	25.2	20.2	31.5	25.2	35.0	28.0	31.5	35.0	85.1	551	3x11.5	$5,877.90
BBD5104	28.8	23.0	36.0	28.8	40.0	32.0	36.0	40.0	86.1	595	3x11.5	$6,330.45
BBD6104	36.0	28.8	45.0	36.0	50.0	40.0	45.0	50.0	87.5	683	3x11.5	$6,958.35
BBD7104	43.2	34.6	54.0	43.2	60.0	48.0	54.0	60.0	88.3	772	3x11.5	$7,573.65
BGD3104	48.0	38.4	60.0	48.0	66.0	52.8	60.0	66.0	87.6	849	3x11.5	$8,490.30
BGD4104	53.0	42.4	66.0	53.0	74.0	59.2	66.0	74.0	87.9	893	3x11.5	$9,275.70
BGD5104	67.0	53.8	84.0	67.0	94.0	75.0	84.0	94.0	88.5	1003	3x11.5	$9,872.10
BGD6104	80.0	64.0	100.0	80.0	110.0	88.0	100.0	110.0	89.0	1102	3x11.5	$10,651.20
BGD7104	86.0	69.0	108.0	86.0	120.0	96.0	108.0	120.0	89.6	1213	3x11.5	$11,624.55
BGD8104	100.0	80.0	125.0	100.0	140.0	112.0	125.0	140.0	90.8	1323	1x14	$12,384.75

4 Lead, Single-Phase, 2 Pole, 60 Hz

- 3600 RPM
- 60 Hz
- 4 Lead
- 2 Pole
- Single-Phase
- 40°C Ambient
- 0.8 PF
- Series 220-240V
- Parallel 110-120V
- AS440 AVR

***NOTE**: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Model Number	Class H (125°C)			Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	kVA	kW	Efficiency			
AFB1104	10.0	8.0	65.3	183	5x6.5	$3,171.00
AFB2104	12.4	9.9	70.1	207	5x6.5	$3,366.30
AFB3104	14.4	11.5	72.6	223	5x6.5	$3,484.95
AFB4104	20.6	16.5	75.9	258	5x6.5	$3,667.65
AHB8104	24.8	19.8	76.2	287	4x6.5	$4,000.50
AHB9104	28.9	23.1	77.6	315	4x6.5	$4,257.75
AHB10104	31.0	24.8	79.2	351	4x6.5	$4,515.00

4 Lead, Single-Phase, 2 Pole, 50 Hz

- 3000 RPM
- 50 Hz
- 4 Lead
- 2 Pole
- Single-Phase
- 40°C Ambient
- 0.8 PF
- Series 220-240V
- Parallel 110-120V
- AS440 AVR

*__NOTE__: Reference page 4 for **SAE Adaptor / Coupling** options available at request.

Model Number	Class H (125°C)			Approx. Wt. (lbs.)	Standard SAE Adaptor / Coupling*	List Price
	kVA	kW	Efficiency			
AFB1104	8.4	6.7	68.4	183	5x6.5	$3,171.00
AFB2104	10.0	8.0	72.0	207	5x6.5	$3,366.30
AFB3104	11.8	9.4	74.3	223	5x6.5	$3,484.95
AFB4104	16.8	13.4	77.4	258	5x6.5	$3,667.65
AHB8104	20.0	16.0	77.9	287	4x6.5	$4,000.50
AHB9104	23.5	18.8	79.3	315	4x6.5	$4,257.75
AHB10104	25.0	20.0	80.8	351	4x6.5	$4,515.00

12 Lead, Three-Phase, 4 Pole, 60 Hz

- 1800 RPM
- 60 Hz
- 12 Lead
- 4 Pole
- Three-Phase
- 0.8 Power Factor
- 40°C Ambient
- Series Star (Wye) 416-480V
- Parallel Star (Wye) 208-240V
- Series Delta 240-277V
- AS440 AVR

Model Number	Class B (80°C)		Class F (105°C)		Class H (125°C)		Approx. Wt. (lbs.)	List Price
	kVA	kW	kVA	kW	kVA	kW		
AFD1212	8.2	6.6	9.4	7.5	10.2	8.2	222	$3,552.55
AFD2212	11.0	8.8	12.5	10.0	13.8	11.0	222	$3,691.15
AFD3212	13.5	10.8	15.6	12.5	16.9	13.5	222	$3,809.80
AFD4212	16.0	12.8	18.8	15.0	20.0	16.0	222	$3,891.70
AHD5212	19.7	15.8	26.3	21.0	28.8	23.0	310	$4,383.21
AHD6212	25.8	20.6	31.3	25.0	34.4	27.5	361	$4,728.66
AHD7212	28.3	22.7	34.4	27.5	37.5	30.0	361	$4,992.21
AHD8212	37.5	30.0	43.0	34.4	46.9	37.5	506	$5,670.51
AHD9212	40.0	32.0	45.8	36.6	50.0	40.0	506	$5,864.76
BBD3212	43.6	34.8	46.3	37.0	52.5	42.0	561	$5,922.00
BBD4212	52.7	42.2	56.0	44.8	62.5	50.0	561	$6,191.85
BBD5212	60.0	48.2	65.0	52.0	70.0	56.0	638	$6,644.40
BBD6212	72.0	58.1	78.0	62.0	87.5	70.0	638	$7,272.30
BBD7212	84.0	67.0	93.0	75.0	97.5	78.0	814	$7,887.60
BGD3212	96.0	77.0	106.0	85.0	118.0	94.0	957	$8,804.25
BGD4212	110.0	88.0	125.0	100.0	150.0	120.0	957	$9,589.65
BGD5212	138.0	110.0	143.0	115.0	168.0	134.0	1122	$10,186.05
BGD6212	165.0	132.0	172.0	138.0	190.0	152.0	1122	$10,965.15
BGD7212	188.0	150.0	199.0	159.0	213.0	170.0	1298	$11,938.50
BGD8212	209.3	167.4	225.0	180.0	245.0	196.0	1430	$12,698.70
DDD3212	257.0	206.0	275.0	220.0	300.0	240.0	2002	$17,382.75
DDD4212	298.0	239.0	330.0	264.0	360.0	288.0	2002	$18,934.65
DDD5212	350.0	280.0	375.0	300.0	400.0	320.0	2002	$20,561.10
DDD6212	399.0	319.0	425.0	340.0	463.0	370.0	2603	$22,539.30
EDD3212	487.0	389.0	531.0	425.0	581.0	465.0	2922	$27,211.80
EDD4212	538.0	430.0	563.0	450.0	625.0	500.0	2922	$29,314.95
EDD5212	613.0	491.0	663.0	530.0	732.0	586.0	2922	$31,651.20
EDD6212	673.0	538.0	731.0	585.0	800.0	640.0	3399	$34,044.15

Single Bearing Pancake Generators, 4 Lead, Single-Phase, 4 Pole, 60 Hz

- 1800 RPM
- 4 Lead
- Single-Phase
- 1.0 Power Factor
- Capacitor Excitation
- 60 Hz
- 4 Pole
- 40°C Ambient
- 240/120V

Model Number	kW @ 105°C	kW @ 125°C	Efficiency	Approx. Wt. (lbs.)	List Price
AFD19104-6/0 (DG164S16)	5.4	6.0	78	110	$2,222.85
AFD20104 (AG164T16)	7.2	8.0	78	127	$2,348.85

Single Bearing Pancake Generators, 4 Lead, Single-Phase, 4 Pole, 50 Hz

- 1500 RPM
- 4 Lead
- Single-Phase
- 1.0 Power Factor
- Capacitor Excitation
- 50 Hz
- 4 Pole
- 40°C Ambient
- 240/120V

Model Number	kW @ 105°C	kW @ 125°C	Efficiency	Approx. Wt. (lbs.)	List Price
AFD19104-5/0	5.4	6.0	78	110	$2,222.85
AFD20104-5/0	7.2	8.0	78	127	$2,348.85

Single Bearing Pancake Generators, 4 Lead, Single-Phase, 4 Pole, 50/60 Hz

- 1800/1500 RPM
- 4 Lead
- Single-Phase
- 1.0 Power Factor
- Capacitor Excitation
- 60/50 Hz
- 4 Pole
- 40°C Ambient
- 240/120V

Model Number	kW @ 105°C	kW @ 125°C	Efficiency	Approx. Wt. (lbs.)	List Price
AFD19104-6/5	5.4	6.0	78	110	$2,222.85
AFD20104-6/5	7.2	8.0	78	127	$2,348.85

Locked Rotor Ratings, Non-PMG

3 Phase, 60 Hz, 12 Lead, 4 Pole, 0.8 PF, °40C Ambient

Model Number	Locked Rotor KVA, ≤30% Transient Voltage Dip				
	60Hz				
	380V	416V	440V	460V	480V
AFD1112	13.1	16.1	17.1	18.7	20.4
AFD2112	17.5	21.6	23.1	25.4	27.5
AFD3112	21.6	26.8	28.4	31.1	33.8
AFD4112	25.6	31.7	33.5	36.7	40.1
AHD5112	35.6	43.5	48.3	52.8	60.1
AHD6112	42.2	51.5	57.8	63.3	70.0
AHD7112	49.9	57.5	65.3	71.6	77.9
AHD8112	48.8	63.9	75.8	82.9	89.9
AHD9112	53.7	70.9	83.8	91.8	100.0
BBD3112	80.9	97.5	109.7	117.3	130.7
BBD4112	97.7	116.8	131.6	142.8	157.9
BBD5112	112.9	134.3	149.0	165.4	182.0
BBD6112	139	166	186	204	227
BBD7112	153	187	213	238	269
BGD3112	215	250	273	300	339
BGD4112	253	322	355	401	424
BGD5112	285	343	382	414	443
BGD6112	319	398	436	491	521
BGD7112	381	467	534	585	642
BGD8112	425	556	610	676	725
BGD9112	354	508	570	621	677
BGD10112	407	567	636	694	755
DDD3112	380	474	543	620	707
DDD4112	430	516	647	722	784
DDD5112	562	684	747	817	922
DDD6112	640	733	860	933	1045
EDD3112	759	880	1023	1175	1327
EDD4112	830	973	1137	1308	1440
EDD5112	980	1180	1365	1510	1690
EDD6112	1057	1260	1445	1655	1875
FDD2112					
FDD3112					
FDD4112					
FDD5112			Not Available as PMG		
FDD6112					
FDD7112					
GDD2112					
GDD3112					
GDD4112					
GDD5112			Not Available as PMG		
GDD6112					
GDD7112					

Locked Rotor Ratings, Non-PMG

3 Phase, 50 Hz, 12 Lead, 4 Pole, 0.8 PF, °40C Ambient

Model Number	Locked Rotor KVA, ≤30% Transient Voltage Dip			
	50Hz			
	380V	400V	415V	440V
AFD1112	13.2	14.6	15.8	17.8
AFD2112	17.0	18.6	20.3	22.7
AFD3112	20.1	22.3	23.9	26.8
AFD4112	23.7	26.4	28.3	31 .8
AHD5112	32.9	36.4	39.2	44.0
AHD6112	41.0	45.3	48.7	54.6
AHD7112	47.5	52.4	56.8	63.6
AHD8112	59.7	66.8	70.9	79.9
AHD9112	65.8	72.9	78.3	88.2
BBD3112	65.8	82.8	93.1	103.5
BBD4112	80.7	100.0	115.1	124.5
BBD5112	98.6	117.0	134.8	151.0
BBD6112	112.3	147.5	167.2	191.0
BBD7112	148	177	202	240
BGD3112	184	225	255	N/A
BGD4112	210	257	291	N/A
BGD5112	270	324	380	N/A
BGD6112	294	352	387	N/A
BGD7112	346	428	491	N/A
BGD8112	396	463	527	N/A
BGD9112	445	493	529	N/A
BGD10112	508	564	605	N/A
DDD3112	428	499	534	668
DDD4112	470	510	573	710
DDD5112	529	639	714	897
DDD6112	621	739	814	993
EDD3112	734	830	940	1175
EDD4112	856	950	1070	1338
EDD5112	953	1087	1285	1565
EDD6112	1046	1193	1369	1649
FDD2112	Not Available as PMG			
FDD3112				
FDD4112				
FDD5112				
FDD6112				
FDD7112				
GDD2112	Not Available as PMG			
GDD3112				
GDD4112				
GDD5112				
GDD6112				
GDD7112				

Locked Rotor Ratings, PMG

3 Phase, 60 Hz, 12 Lead, 4 Pole, 0.8 PF, °40C Ambient

Model Number	Locked Rotor KVA, ≤30% Transient Voltage Dip				
	60Hz				
	380V	416V	440V	460V	480V
AFD1112	Not Available as PMG				
AFD2112					
AFD3112					
AFD4112					
AHD5112					
AHD6112					
AHD7112					
AHD8112					
AHD9112					
BBD3112	102.0	114.0	132.5	138.0	149.5
BBD4112	119.0	137.0	154.0	168.0	182.0
BBD5112	137.0	161.0	176.5	194.5	211.0
BBD6112	165	194	215	242	256
BBD7112	185	217	246	276	312
BGD3112	305	348	371	389	420
BGD4112	347	407	445	481	521
BGD5112	384	450	501	531	581
BGD6112	429	510	568	602	673
BGD7112	446	480	534	582	632
BGD8112	583	726	783	836	906
BGD9112	439	638	704	770	840
BGD10112	447	623	695	760	828
DDD3112	489	570	650	694	752
DDD4112	629	724	813	890	943
DDD5112	685	815	915	980	1050
DDD6112	835	980	1090	1185	1270
EDD3112	970	1145	1280	1380	1480
EDD4112	1220	1380	1525	1620	1750
EDD5112	1335	1585	1775	1895	2070
EDD6112	1505	1770	1930	2095	2310
FDD2112	1420	1710	1910	2085	2270
FDD3112	1515	1815	2030	2215	2420
FDD4112	1600	1915	2135	2340	2555
FDD5112	1935	2320	2600	2830	3090
FDD6112	2340	2810	3145	3430	3740
FDD7112	2990	3580	4010	4360	4750
GDD2112	1550	2250	2700	3000	3300
GDD3112	1900	2600	3100	3480	3850
GDD4112	2020	2750	3300	3700	4100
GDD5112	2300	3100	3700	4150	4600
GDD6112	3300	4500	5300	6000	6600
GDD7112	1950	2650	3150	3520	3950

Locked Rotor Ratings, PMG

3 Phase, 50 Hz, 12 Lead, 4 Pole, 0.8 PF, ºC Ambient

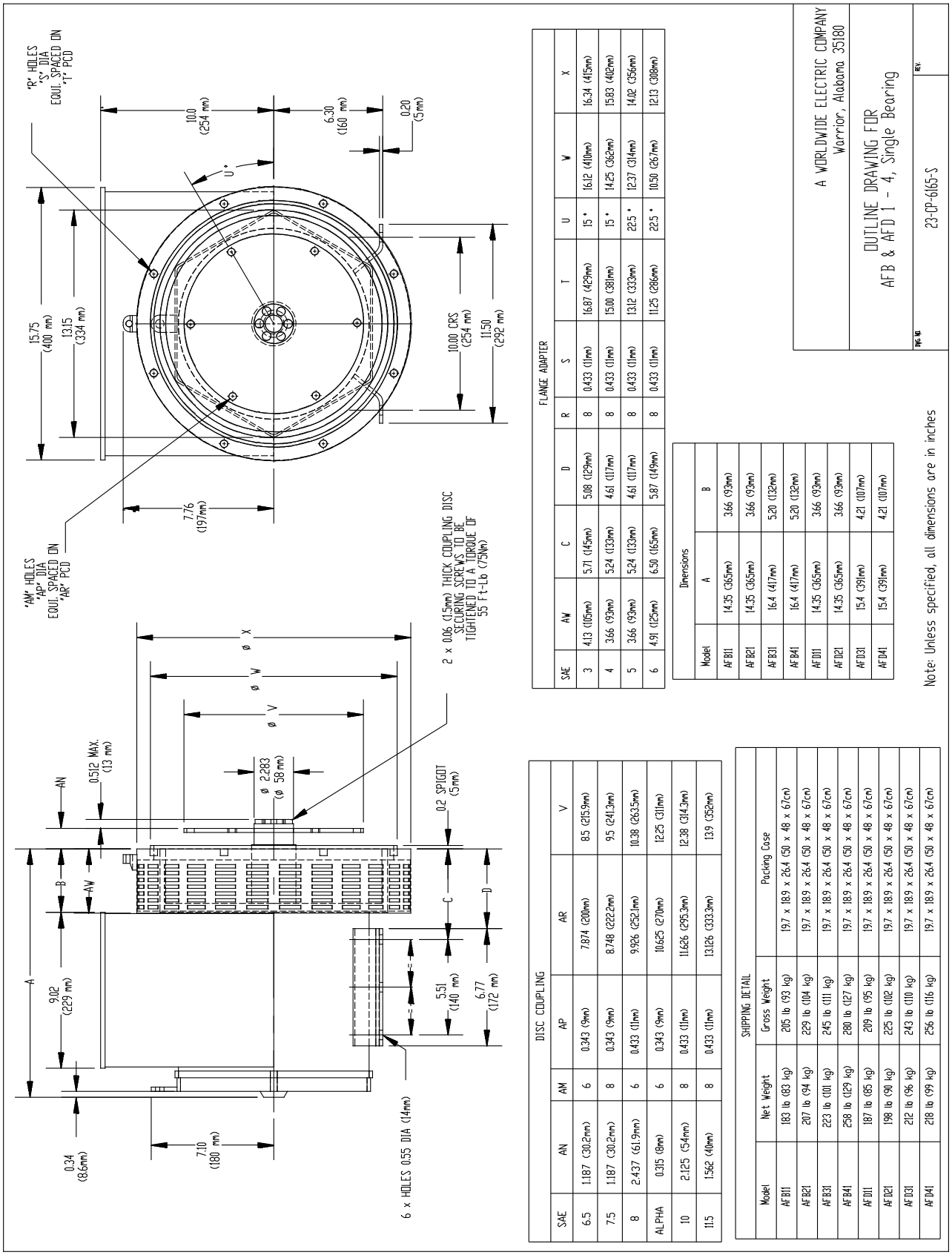
Model Number	Locked Rotor KVA, ≤30% Transient Voltage Dip			
	50Hz			
	380V	400V	415V	440V
AFD1112	Not Available as PMG			
AFD2112				
AFD3112				
AFD4112				
AHD5112				
AHD6112				
AHD7112				
AHD8112				
AHD9112				
BBD3112	84.0	101.0	111.0	121.5
BBD4112	107.0	125.5	140.0	150.5
BBD5112	129.0	143.0	158.0	171.0
BBD6112	156.0	172.0	191.0	214.0
BBD7112	182	215	231	248
BGD3112	242	259	279	N/A
BGD4112	275	300	324	N/A
BGD5112	337	374	416	N/A
BGD6112	352	403	434	N/A
BGD7112	466	500	533	N/A
BGD8112	550	603	678	N/A
BGD9112	538	596	641	N/A
BGD10112	568	629	679	N/A
DDD3112	600	642	690	750
DDD4112	706	809	840	929
DDD5112	835	890	960	1040
DDD6112	1010	1080	1205	1305
EDD3112	1040	1170	1265	1405
EDD4112	1315	1420	1525	1670
EDD5112	1455	1650	1760	1910
EDD6112	1780	1930	2075	2300
FDD2112	1570	1740	1875	2115
FDD3112	1675	1860	2010	2250
FDD4112	1765	1960	2105	2370
FDD5112	2155	2385	2560	2880
FDD6112	2550	2830	3040	3430
FDD7112	3310	3650	3940	4430
GDD2112	2200	2500	2700	2980
GDD3112	2520	2870	3100	3440
GDD4112	2720	3120	3350	3700
GDD5112	3170	3600	3900	4300
GDD6112	4000	4600	4900	5400
GDD7112	2850	3250	3500	3850

Locked Rotor Ratings

1 Phase, 50/60 Hz, 4 Lead, 4 Pole, 0.8 PF, °40C Ambient

Model Number	Locked Rotor KVA, ≤30% Transient Voltage Dip					
	Non-PMG			PMG		
	220V	230V	240V	220V	**23V**	240V
AFD1104	10.6	11.6	12.6	Not Available as PMG		
AFD2104	14.6	16.0	17.5			
AFD3104	16.4	17.9	19.5			
AFD4104	21.0	22.8	24.7			
AHD5104	30.7	33.5	36.5			
AHD6104	36.4	40.0	43.0			
AHD7104	42.0	45.0	49.0			
AHD8104	46.0	50.0	55.0			
AHD9104	53.0	58.0	63.0			
BBD3104	67.0	73.0	80.0	77	83	91
BBD4104	74.0	81.0	88.0	95	105	115
B8D5104	78.0	85.0	93.0	103	113	122
B8D6104	112	122	133	142	155	169
B8D7104	142	156	170	169	184	202
BGD3104	177	194	210	223	245	265
BGD4104	225	247	270	292	319	348
BGD5104	243	264	289	301	330	357
BGD6104	273	300	325	352	385	418
BGD7104	330	363	394	430	472	513
BGD8104	336	367	400	470	515	568

Drawing: AFB and AFD 1-4 Single Bearing



FLANGE ADAPTER

SAE	AW	C	D	R	S	T	U	W	X
3	4.13 (105mm)	5.71 (145mm)	5.08 (129mm)	8	0.433 (11mm)	16.87 (429mm)	15 °	16.12 (410mm)	16.34 (415mm)
4	3.66 (93mm)	5.24 (133mm)	4.61 (117mm)	8	0.433 (11mm)	15.00 (381mm)	15 °	14.25 (362mm)	15.83 (402mm)
5	3.66 (93mm)	5.24 (133mm)	4.61 (117mm)	8	0.433 (11mm)	13.12 (333mm)	22.5 °	12.37 (314mm)	14.02 (356mm)
6	4.91 (125mm)	6.50 (165mm)	5.87 (149mm)	8	0.433 (11mm)	11.25 (286mm)	22.5 °	10.50 (267mm)	12.13 (308mm)

Dimensions

Model	A	B
AFB11	14.35 (365mm)	3.66 (93mm)
AFB21	14.35 (365mm)	3.66 (93mm)
AFB31	16.4 (417mm)	5.20 (132mm)
AFB41	16.4 (417mm)	5.20 (132mm)
AFD11	14.35 (365mm)	3.66 (93mm)
AFD21	14.35 (365mm)	3.66 (93mm)
AFD31	15.4 (391mm)	4.21 (107mm)
AFD41	15.4 (391mm)	4.21 (107mm)

DISC COUPLING

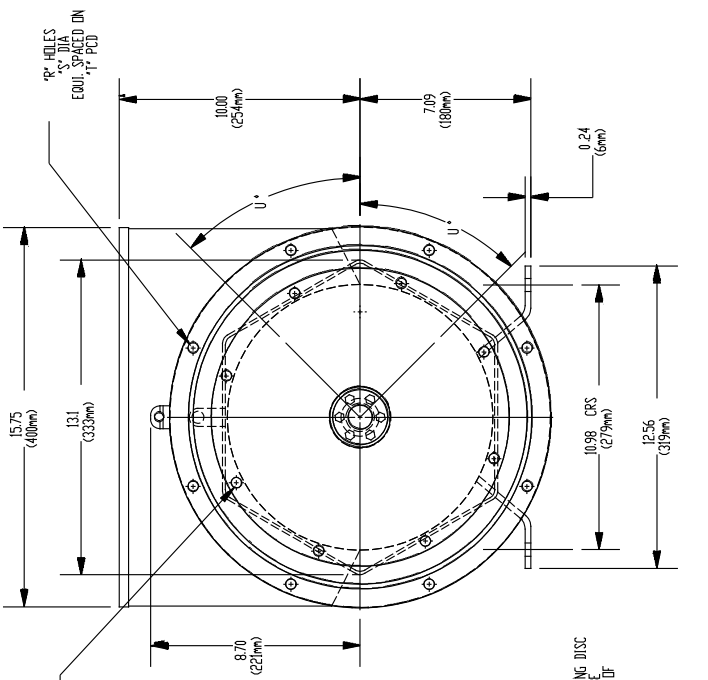
SAE	AN	AM	AP	AR	V
6.5	1.187 (30.2mm)	6	0.343 (9mm)	7.874 (200mm)	8.5 (215.9mm)
7.5	1.187 (30.2mm)	8	0.343 (9mm)	8.748 (222.2mm)	9.5 (241.3mm)
8	2.437 (61.9mm)	6	0.433 (11mm)	9.926 (252.1mm)	10.38 (263.5mm)
ALPHA	0.315 (8mm)	6	0.343 (9mm)	10.625 (270mm)	12.25 (311mm)
10	2.125 (54mm)	8	0.433 (11mm)	11.626 (295.3mm)	12.38 (314.3mm)
11.5	1.562 (40mm)	8	0.433 (11mm)	13.126 (333.3mm)	13.9 (352mm)

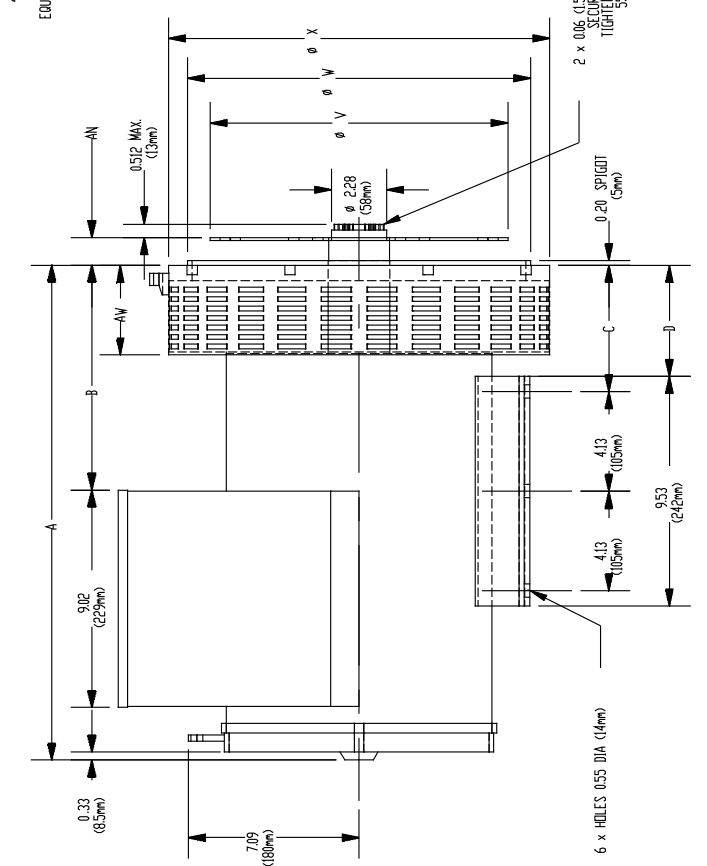
SHIPPING DETAIL

Model	Net Weight	Gross Weight	Packing Case
AFB11	183 lb (83 kg)	205 lb (93 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFB21	207 lb (94 kg)	229 lb (104 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFB31	223 lb (101 kg)	245 lb (111 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFB41	258 lb (129 kg)	280 lb (127 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFD11	187 lb (85 kg)	209 lb (95 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFD21	198 lb (90 kg)	225 lb (102 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFD31	212 lb (96 kg)	243 lb (110 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)
AFD41	218 lb (99 kg)	256 lb (116 kg)	19.7 x 18.9 x 26.4 (50 x 48 x 67cm)

Phone: +1 (800) 808-2131

Drawing: AFB 8-10 & AHD 5-7 Single Bearing





DISC COUPLING					
SAE	AN	AM	AS	AT	V
6.5	1.187 (30mm)	6	0.343 (9mm)	7.874 (200mm)	8.5 (216mm)
7.5	1.187 (30mm)	8	0.343 (9mm)	8.748 (222mm)	9.5 (241mm)
8	2.437 (62mm)	6	0.433 (11mm)	9.626 (245mm)	10.4 (263mm)
ALPHA	0.315 (8mm)	6	0.343 (9mm)	10.625 (270mm)	12.25 (311mm)
10	2.125 (54mm)	8	0.433 (11mm)	11.626 (295mm)	12.4 (314mm)
11.5	1.562 (40mm)	8	0.433 (11mm)	13.126 (333mm)	13.9 (352mm)

FLANGE ADAPTER									
SAE	AW	C	D	R	S	T	U	W	X
3	4.13 (105mm)	5.71 (145mm)	5.09 (129mm)	8	0.433 (11mm)	16.87 (429mm)	15 °	16.12 (410mm)	17.76 (451mm)
4	3.66 (93mm)	5.24 (133mm)	4.61 (117mm)	8	0.433 (11mm)	15.00 (381mm)	15 °	14.25 (362mm)	15.83 (402mm)
5	3.66 (93mm)	5.24 (133mm)	4.61 (117mm)	8	0.433 (11mm)	13.12 (333mm)	22.5 °	12.37 (314mm)	14.02 (356mm)

Dimensions		
Model	A	B
AHB81	18.96 (482mm)	7.76 (197mm)
AHB91	18.96 (482mm)	7.76 (197mm)
AHB101	20.53 (522mm)	9.33 (237mm)
AHD51	16.99 (432mm)	5.79 (147mm)
AHD61	20.53 (522mm)	9.33 (237mm)
AHD71	20.53 (522mm)	9.33 (237mm)

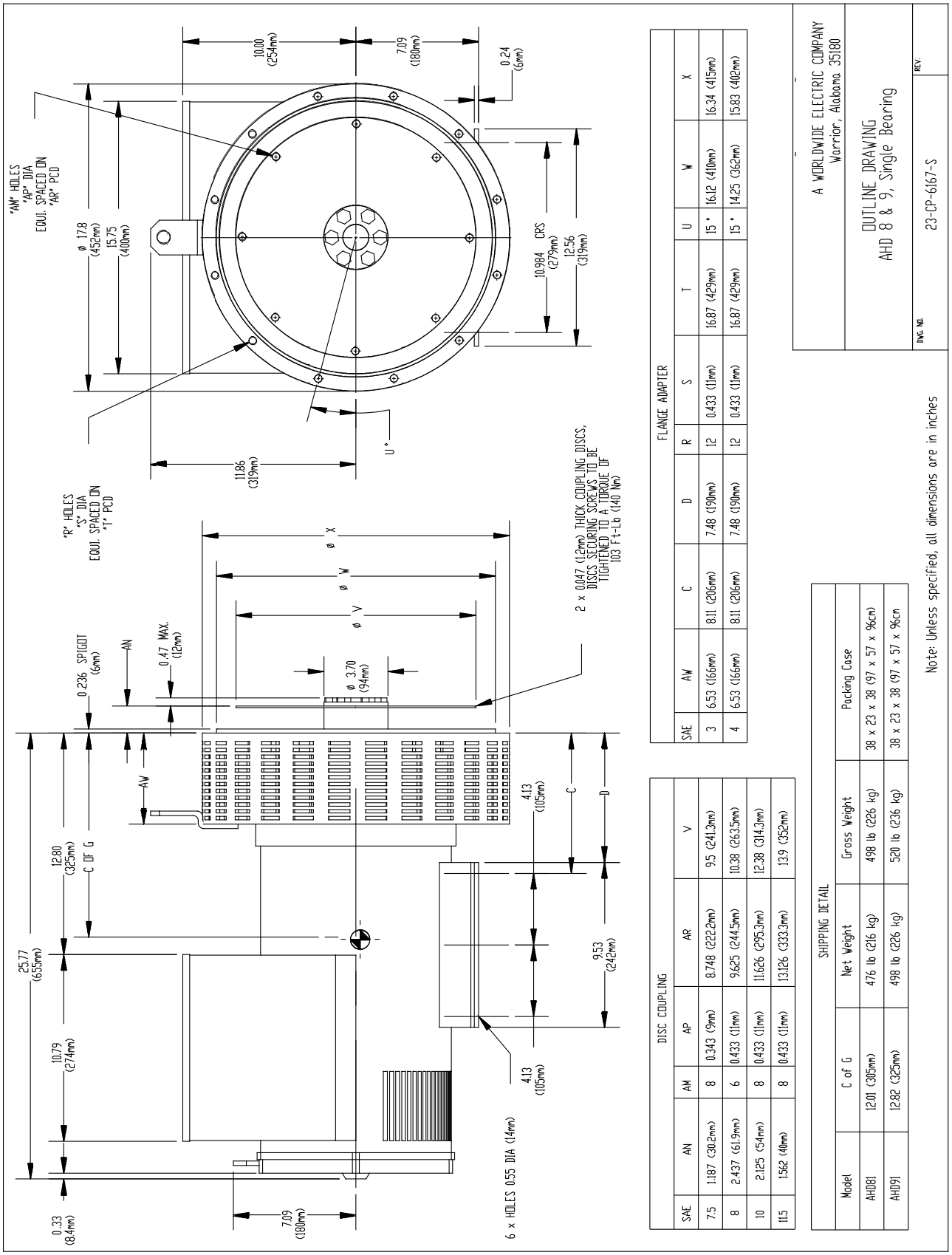
SHIPPING DETAIL			
Model	Net Weight	Gross Weight	Packing Case
AHB81	287 lb (130 kg)	309 lb (140 kg)	25.2 x 21.3 x 28.4 (64 x 54 x 72cm)
AHB91	315 lb (143 kg)	337 lb (153 kg)	25.2 x 21.3 x 28.4 (64 x 54 x 72cm)
AHB101	351 lb (159 kg)	373 lb (169 kg)	25.2 x 21.3 x 28.4 (64 x 54 x 72cm)
AHD51	265 lb (120 kg)	293 lb (133 kg)	33 x 23.2 x 29.5 (84 x 59 x 75cm)
AHD61	330 lb (150 kg)	344 lb (156 kg)	33 x 23.2 x 29.5 (84 x 59 x 75cm)
AHD71	344 lb (156 kg)	379 lb (172 kg)	33 x 23.2 x 29.5 (84 x 59 x 75cm)

Note: Unless specified, all dimensions are in inches

A WORLDWIDE ELECTRIC COMPANY
Warrior, Alabama 35180

OUTLINE DRAWING FOR
AHB 8 -10 & AHD 5 - 7, Single Bearing

DWG NO: 23-CP-6166-S REV:



FLANGE ADAPTER

SAE	AW	C	D	R	S	T	U	W	X
3	6.53 (166mm)	8.11 (206mm)	7.48 (190mm)	12	0.433 (11mm)	16.87 (429mm)	15 °	16.12 (410mm)	16.34 (415mm)
4	6.53 (166mm)	8.11 (206mm)	7.48 (190mm)	12	0.433 (11mm)	16.87 (429mm)	15 °	14.25 (362mm)	15.83 (402mm)

DISC COUPLING

SAE	AN	AM	AP	AR	V
7.5	1.187 (30.2mm)	8	0.343 (9mm)	8.748 (222.2mm)	9.5 (241.3mm)
8	2.437 (61.9mm)	6	0.433 (11mm)	9.625 (244.5mm)	10.38 (263.5mm)
10	2.125 (54mm)	8	0.433 (11mm)	11.626 (295.3mm)	12.38 (314.3mm)
11.5	1.562 (40mm)	8	0.433 (11mm)	13.126 (333.3mm)	13.9 (352mm)

SHIPPING DETAIL

Model	C of G	Net Weight	Gross Weight	Packing Case
AHD81	12.01 (305mm)	476 lb (216 kg)	498 lb (226 kg)	38 x 23 x 38 (97 x 57 x 96cm)
AHD91	12.82 (325mm)	498 lb (226 kg)	520 lb (236 kg)	38 x 23 x 38 (97 x 57 x 96cm

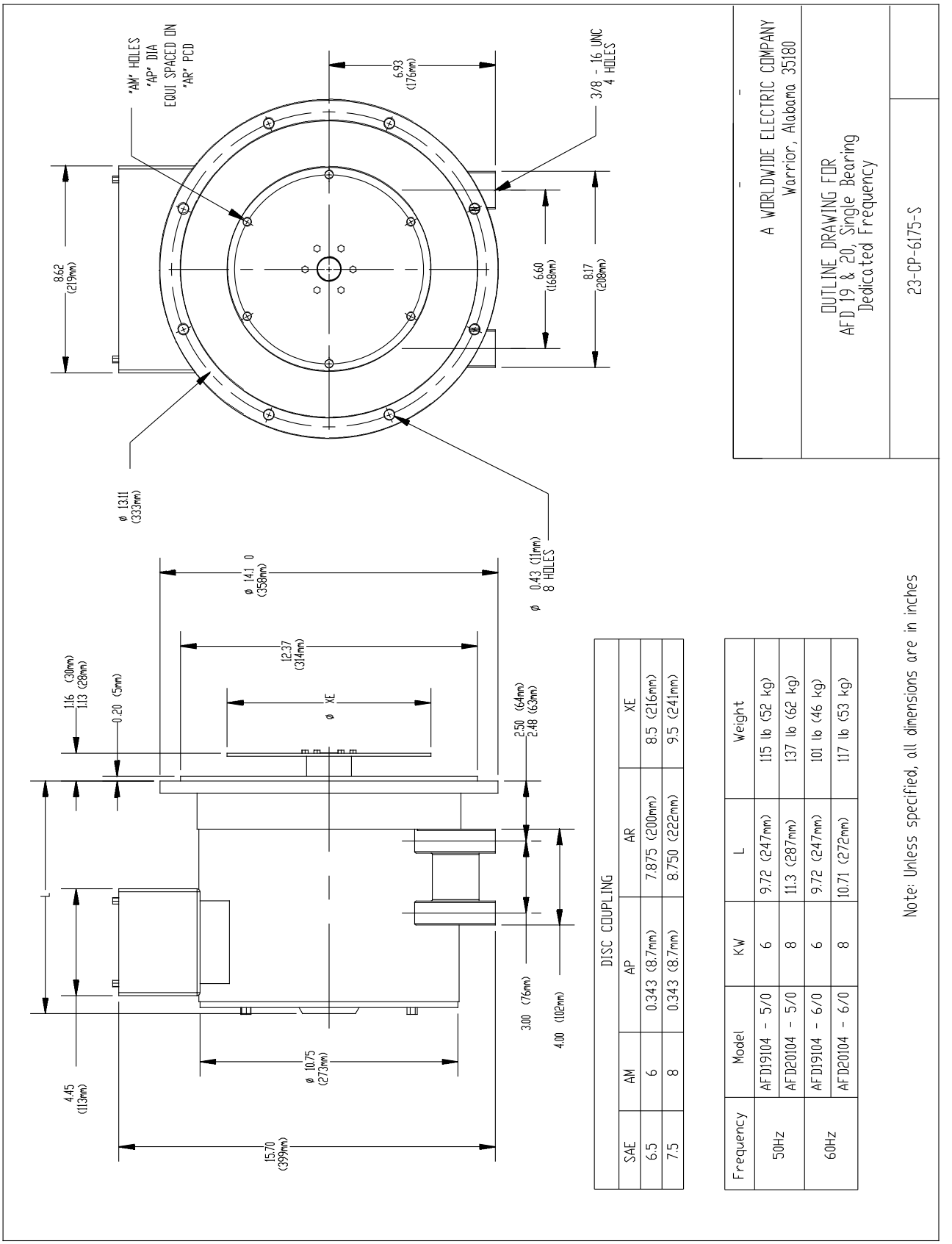
Note: Unless specified, all dimensions are in inches

A WORLDWIDE ELECTRIC COMPANY
Warrior, Alabama 35180

OUTLINE DRAWING
AHD 8 & 9, Single Bearing

DWG. NO. 23-CP-6167-S REV.

Drawing: AHD 19 & 20 Single Bearing Dedicated Frequency

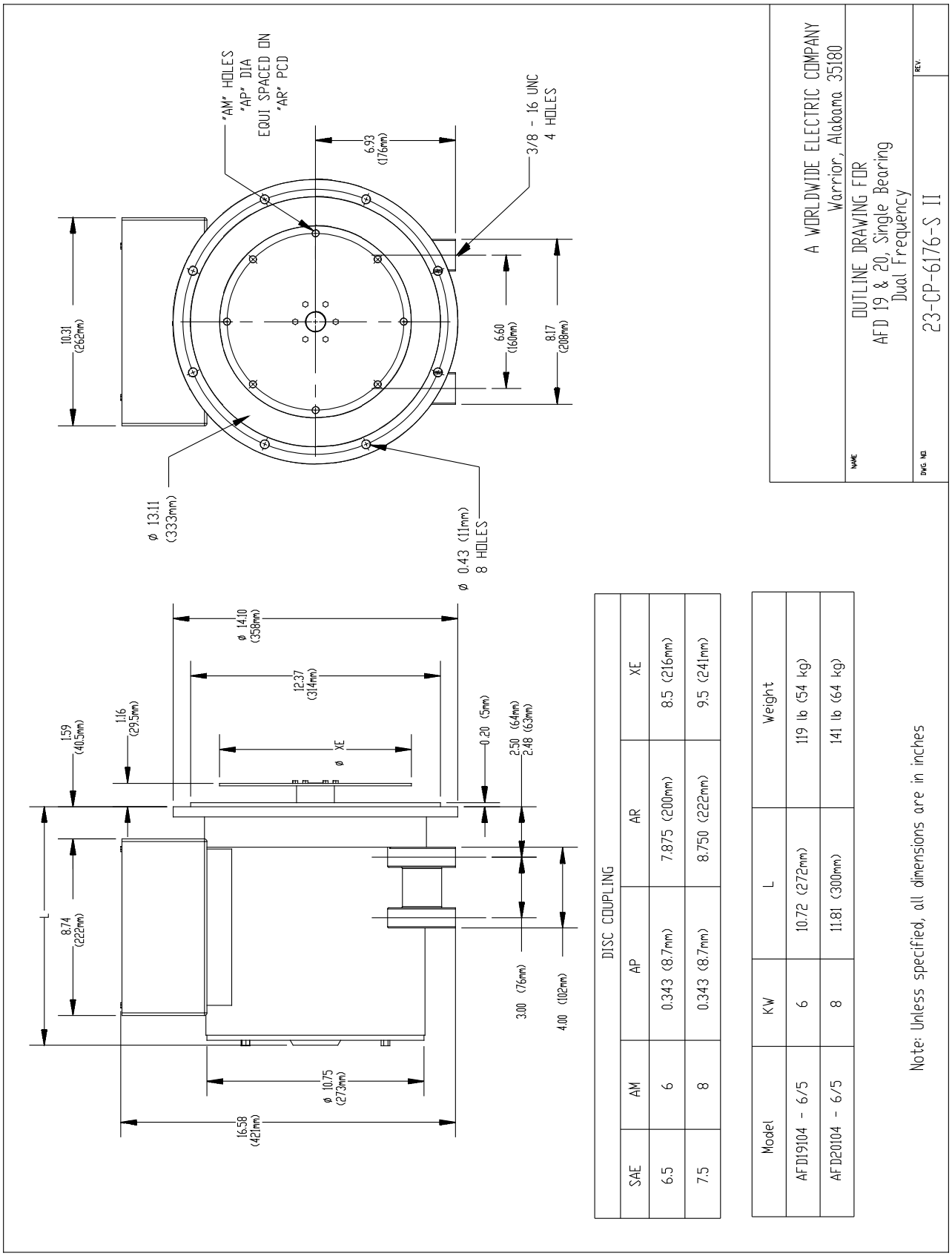


DISC COUPLING				
SAE	AM	AP	AR	XE
6.5	6	0.343 (8.7mm)	7.875 (200mm)	8.5 (216mm)
7.5	8	0.343 (8.7mm)	8.750 (222mm)	9.5 (241mm)

Frequency	Model	KW	L	Weight
50Hz	AFD19104 - 5/0	6	9.72 (247mm)	115 lb (52 kg)
	AFD20104 - 5/0	8	11.3 (287mm)	137 lb (62 kg)
60Hz	AFD19104 - 6/0	6	9.72 (247mm)	101 lb (46 kg)
	AFD20104 - 6/0	8	10.71 (272mm)	117 lb (53 kg)

Note: Unless specified, all dimensions are in inches

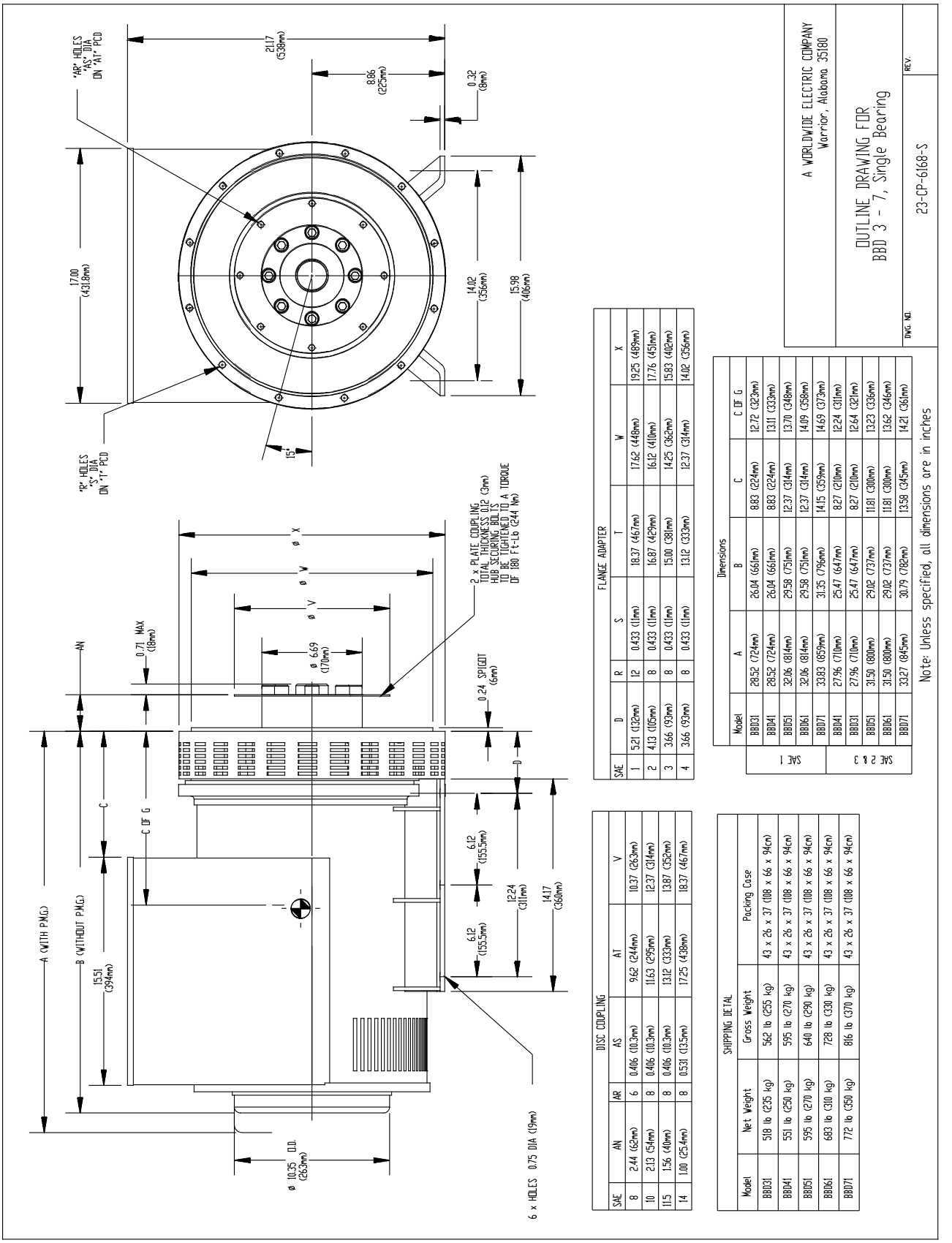
Drawing: AHD 19 & 20 Single Bearing Dual Frequency



DISC COUPLING				
SAE	AM	AP	AR	XE
6.5	6	0.343 (8.7mm)	7.875 (200mm)	8.5 (216mm)
7.5	8	0.343 (8.7mm)	8.750 (222mm)	9.5 (241mm)

Model	KW	L	Weight
AFD19104 - 6/5	6	10.72 (272mm)	119 lb (54 kg)
AFD20104 - 6/5	8	11.81 (300mm)	141 lb (64 kg)

Drawing: BBD 3-7 Single Bearing



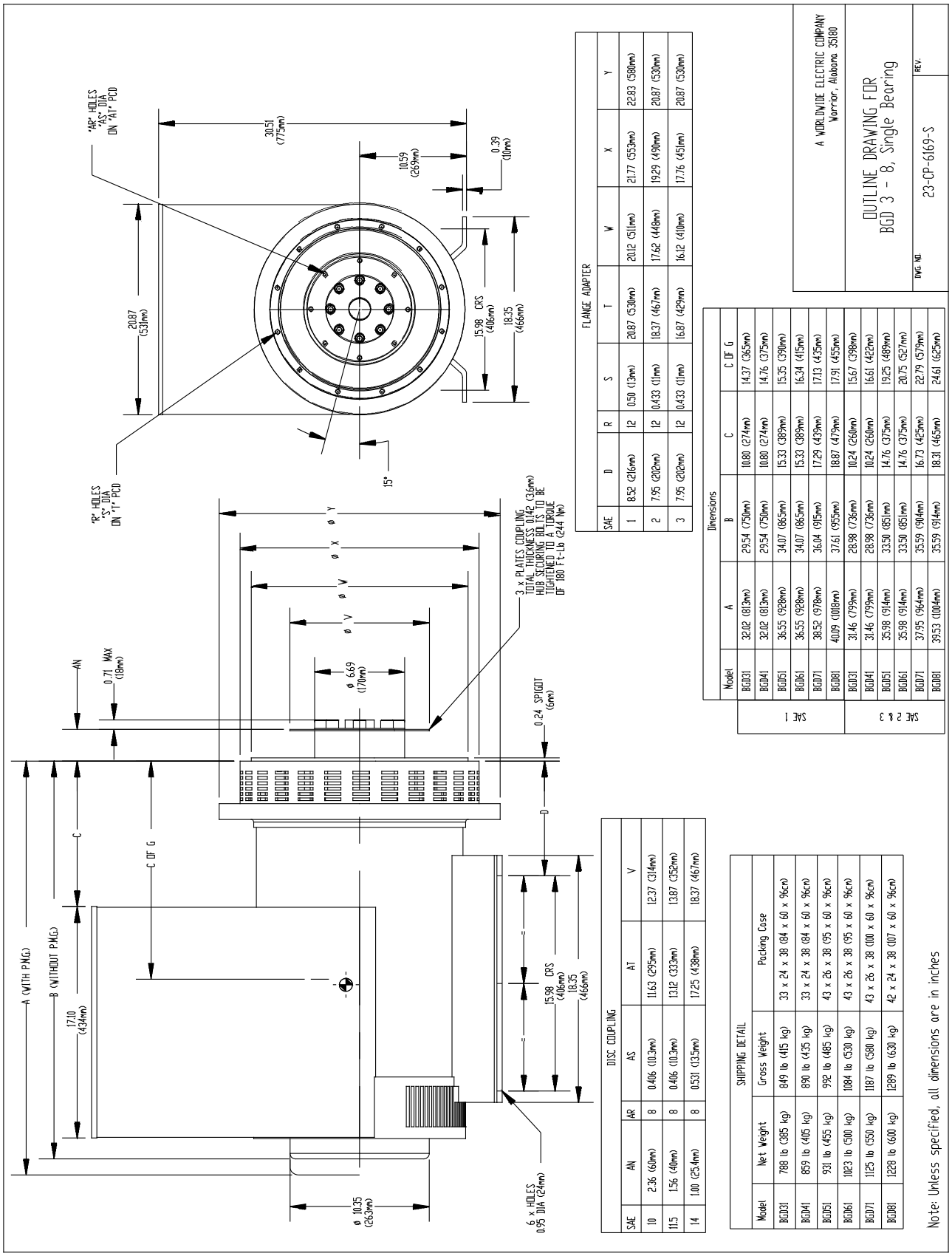
FLANGE ADAPTER						
SAE	D	R	S	T	W	X
1	5.21 (132mm)	12	0.433 (11mm)	18.37 (467mm)	17.62 (448mm)	19.25 (489mm)
2	4.13 (105mm)	8	0.433 (11mm)	16.87 (429mm)	16.12 (410mm)	17.76 (451mm)
3	3.66 (93mm)	8	0.433 (11mm)	15.00 (381mm)	14.25 (362mm)	15.83 (402mm)
4	3.66 (93mm)	8	0.433 (11mm)	13.12 (333mm)	12.37 (314mm)	14.02 (356mm)

		Dimensions			
	Model	A	B	C	C OF G
SAE 1	BBD31	28.52 (724mm)	26.04 (661mm)	8.83 (224mm)	12.72 (323mm)
	BBD41	28.52 (724mm)	26.04 (661mm)	8.83 (224mm)	13.11 (333mm)
	BBD51	32.06 (814mm)	29.58 (751mm)	12.37 (314mm)	13.70 (348mm)
	BBD61	32.06 (814mm)	29.58 (751mm)	12.37 (314mm)	14.09 (358mm)
	BBD71	33.83 (859mm)	31.35 (796mm)	14.15 (359mm)	14.69 (373mm)
SAE 2 & 3	BBD41	27.96 (710mm)	25.47 (647mm)	8.27 (210mm)	12.24 (311mm)
	BBD31	27.96 (710mm)	25.47 (647mm)	8.27 (210mm)	12.64 (321mm)
	BBD51	31.50 (800mm)	29.02 (737mm)	11.81 (300mm)	13.23 (336mm)
	BBD61	31.50 (800mm)	29.02 (737mm)	11.81 (300mm)	13.62 (346mm)
	BBD71	33.27 (845mm)	30.79 (782mm)	13.58 (345mm)	14.21 (361mm)

DISC COUPLING					
SAE	AN	AR	AS	AT	V
8	2.44 (62mm)	6	0.406 (10.3mm)	9.62 (244mm)	10.37 (263mm)
10	2.13 (54mm)	8	0.406 (10.3mm)	11.63 (295mm)	12.37 (314mm)
11.5	1.56 (40mm)	8	0.406 (10.2mm)	13.12 (333mm)	13.87 (352mm)
14	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)	18.37 (467mm)

SHIPPING DETAIL			
Model	Net Weight	Gross Weight	Packing Case
BBD31	518 lb (235 kg)	562 lb (255 kg)	43 x 26 x 37 (108 x 66 x 94cm)
BBD41	551 lb (250 kg)	595 lb (270 kg)	43 x 26 x 37 (108 x 66 x 94cm)
BBD51	595 lb (270 kg)	640 lb (290 kg)	43 x 26 x 37 (108 x 66 x 94cm)
BBD61	683 lb (310 kg)	728 lb (330 kg)	43 x 26 x 37 (108 x 66 x 94cm)
BBD71	772 lb (350 kg)	816 lb (370 kg)	43 x 26 x 37 (108 x 66 x 94cm)

Drawing: BGD 3-8 Single Bearing



FLANGE ADAPTER

SAE	D	R	S	T	W	X	Y
1	8.52 (216mm)	12	0.50 (13mm)	20.87 (530mm)	20.12 (511mm)	21.77 (553mm)	22.83 (580mm)
2	7.95 (202mm)	12	0.433 (11mm)	18.37 (467mm)	17.62 (448mm)	19.29 (490mm)	20.87 (530mm)
3	7.95 (202mm)	12	0.433 (11mm)	16.87 (429mm)	16.12 (410mm)	17.76 (451mm)	20.87 (530mm)

	Model	Dimensions A	B	C	C OF G
SAE 1	BGD31	32.02 (813mm)	29.54 (750mm)	10.88 (274mm)	14.37 (365mm)
	BGD41	32.02 (813mm)	29.54 (750mm)	10.80 (274mm)	14.76 (375mm)
	BGD51	36.55 (928mm)	34.07 (865mm)	15.33 (389mm)	15.35 (390mm)
	BGD61	36.55 (928mm)	34.07 (865mm)	15.33 (389mm)	16.34 (415mm)
	BGD71	38.52 (978mm)	36.04 (915mm)	17.29 (439mm)	17.13 (435mm)
	BGD81	40.09 (1018mm)	37.61 (955mm)	18.87 (479mm)	17.91 (455mm)
SAE 2 & 3	BGD31	31.46 (799mm)	28.98 (736mm)	10.24 (260mm)	15.67 (398mm)
	BGD41	31.46 (799mm)	28.98 (736mm)	10.24 (260mm)	16.61 (422mm)
	BGD51	35.98 (914mm)	33.50 (851mm)	14.76 (375mm)	19.25 (489mm)
	BGD61	35.98 (914mm)	33.50 (851mm)	14.76 (375mm)	20.75 (527mm)
	BGD71	37.95 (964mm)	35.59 (904mm)	16.73 (425mm)	22.79 (579mm)
	BGD81	39.53 (1004mm)	35.59 (914mm)	18.31 (465mm)	24.61 (625mm)

DISC COUPLING

SAE	AN	AR	AS	A1	V
10	2.36 (60mm)	8	0.406 (10.3mm)	11.63 (295mm)	12.37 (314mm)
11.5	1.56 (40mm)	8	0.406 (10.3mm)	13.12 (333mm)	13.87 (352mm)
14	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)	18.37 (467mm)

SHIPPING DETAIL

Model	Net Weight	Gross Weight	Packing Case
BGD31	788 lb (385 kg)	849 lb (415 kg)	33 x 24 x 38 (84 x 60 x 96cm)
BGD41	859 lb (405 kg)	890 lb (435 kg)	33 x 24 x 38 (84 x 60 x 96cm)
BGD51	931 lb (455 kg)	992 lb (485 kg)	43 x 26 x 38 (95 x 60 x 96cm)
BGD61	1023 lb (500 kg)	1084 lb (530 kg)	43 x 26 x 38 (95 x 60 x 96cm)
BGD71	1125 lb (550 kg)	1187 lb (580 kg)	43 x 26 x 38 (100 x 60 x 96cm)
BGD81	1228 lb (600 kg)	1289 lb (630 kg)	42 x 24 x 38 (107 x 60 x 96cm)

Note: Unless specified, all dimensions are in inches

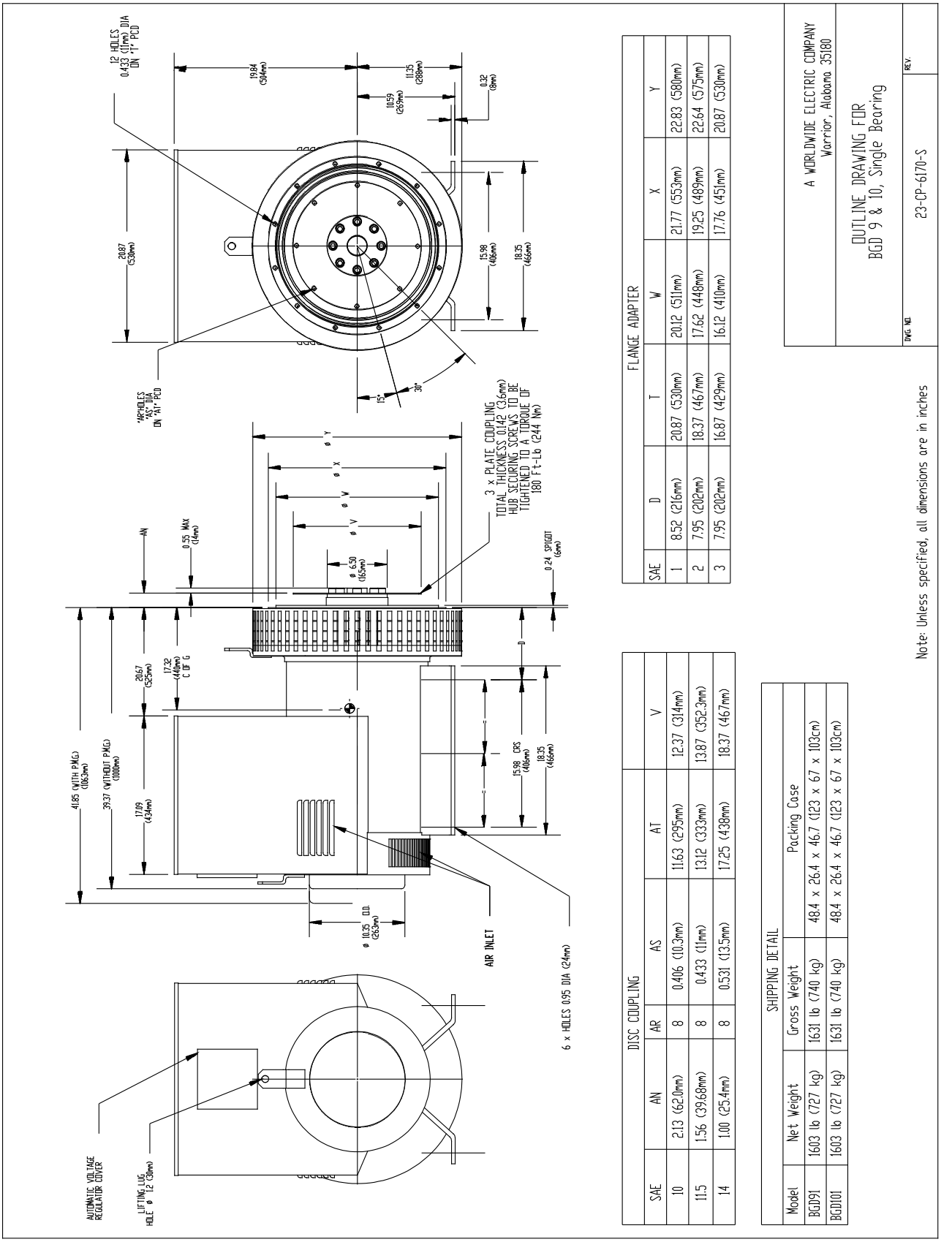
A WORLDWIDE ELECTRIC COMPANY
Warrior, Alabama 35180

OUTLINE DRAWING FOR
BGD 3 - 8, Single Bearing

DWG. NO. 23-CP-6169-S REV.

Phone: +1 (800) 808-2131

Drawing: BGD 9 & 10 Single Bearing



FLANGE ADAPTER

SAE	D	T	W	X	Y
1	8.52 (216mm)	20.87 (530mm)	20.12 (511mm)	21.77 (553mm)	22.83 (580mm)
2	7.95 (202mm)	18.37 (467mm)	17.62 (448mm)	19.25 (489mm)	22.64 (575mm)
3	7.95 (202mm)	16.87 (429mm)	16.12 (410mm)	17.76 (451mm)	20.87 (530mm)

DISC COUPLING

SAE	AN	AR	AS	AT	V
10	2.13 (62.0mm)	8	0.406 (10.3mm)	11.63 (295mm)	12.37 (314mm)
11.5	1.56 (39.68mm)	8	0.433 (11mm)	13.12 (333mm)	13.87 (352.3mm)
14	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)	18.37 (467mm)

SHIPPING DETAIL

Model	Net Weight	Gross Weight	Packing Case
BGD91	1603 lb (727 kg)	1631 lb (740 kg)	48.4 x 26.4 x 46.7 (123 x 67 x 103cm)
BGD101	1603 lb (727 kg)	1631 lb (740 kg)	48.4 x 26.4 x 46.7 (123 x 67 x 103cm)

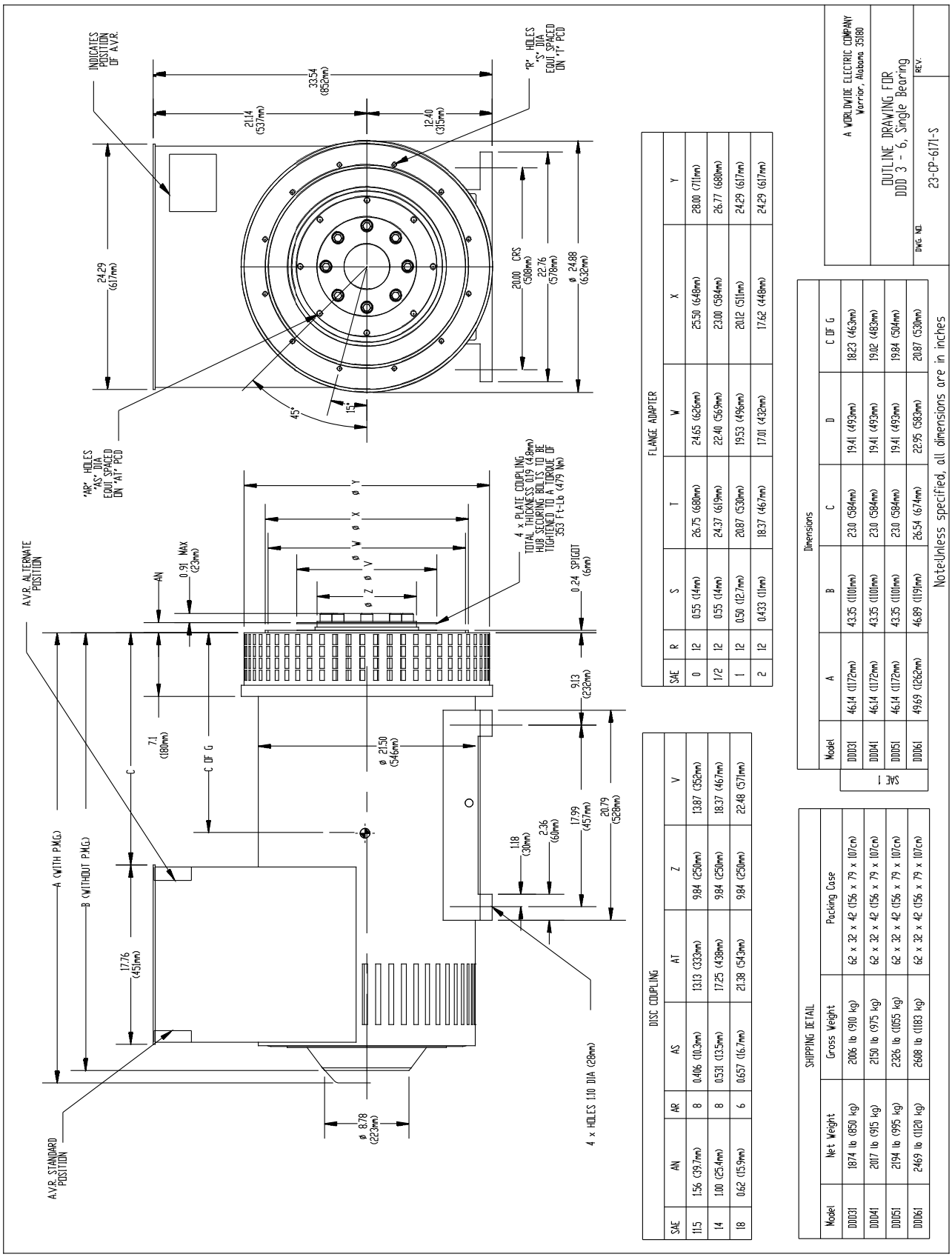
A WORLDWIDE ELECTRIC COMPANY
Warrior, Alabama 35180

OUTLINE DRAWING FOR
BGD 9 & 10, Single Bearing

DWG NO. 23-CP-6170-S REV.

Note: Unless specified, all dimensions are in inches

Drawing: DDD 3-6 Single Bearing



SAE	AN	AR	AS	AT	Z	V
11.5	1.56 (39.7mm)	8	0.406 (10.3mm)	13.13 (333mm)	9.84 (250mm)	13.87 (352mm)
14	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)	9.84 (250mm)	18.37 (467mm)
18	0.62 (15.9mm)	6	0.657 (16.7mm)	21.38 (543mm)	9.84 (250mm)	22.48 (571mm)

DISC COUPLING

SAE	R	S	T	W	X	Y
0	12	0.55 (14mm)	26.75 (680mm)	24.65 (626mm)	25.50 (648mm)	28.00 (711mm)
1/2	12	0.55 (14mm)	24.37 (619mm)	22.40 (569mm)	23.00 (584mm)	26.77 (680mm)
1	12	0.50 (12.7mm)	20.87 (530mm)	19.53 (496mm)	20.12 (511mm)	24.29 (617mm)
2	12	0.433 (11mm)	18.37 (467mm)	17.01 (432mm)	17.62 (448mm)	24.29 (617mm)

FLANGE ADAPTER

Model	A	B	C	D	C OF G
DDD31	46.14 (1172mm)	43.35 (1101mm)	23.0 (584mm)	19.41 (493mm)	18.23 (463mm)
DDD41	46.14 (1172mm)	43.35 (1101mm)	23.0 (584mm)	19.41 (493mm)	19.02 (483mm)
DDD51	46.14 (1172mm)	43.35 (1101mm)	23.0 (584mm)	19.41 (493mm)	19.84 (504mm)
DDD61	49.69 (1262mm)	46.89 (1191mm)	26.54 (674mm)	22.95 (582mm)	20.87 (530mm)

SAE 1

Dimensions

Model	Net Weight	Gross Weight	Packing Case
DDD31	1874 lb (850 kg)	2006 lb (910 kg)	62 x 32 x 42 (156 x 79 x 107cm)
DDD41	2017 lb (915 kg)	2150 lb (975 kg)	62 x 32 x 42 (156 x 79 x 107cm)
DDD51	2194 lb (995 kg)	2326 lb (1055 kg)	62 x 32 x 42 (156 x 79 x 107cm)
DDD61	2469 lb (1120 kg)	2608 lb (1183 kg)	62 x 32 x 42 (156 x 79 x 107cm)

SHIPPING DETAIL

Note:Unless specified, all dimensions are in inches

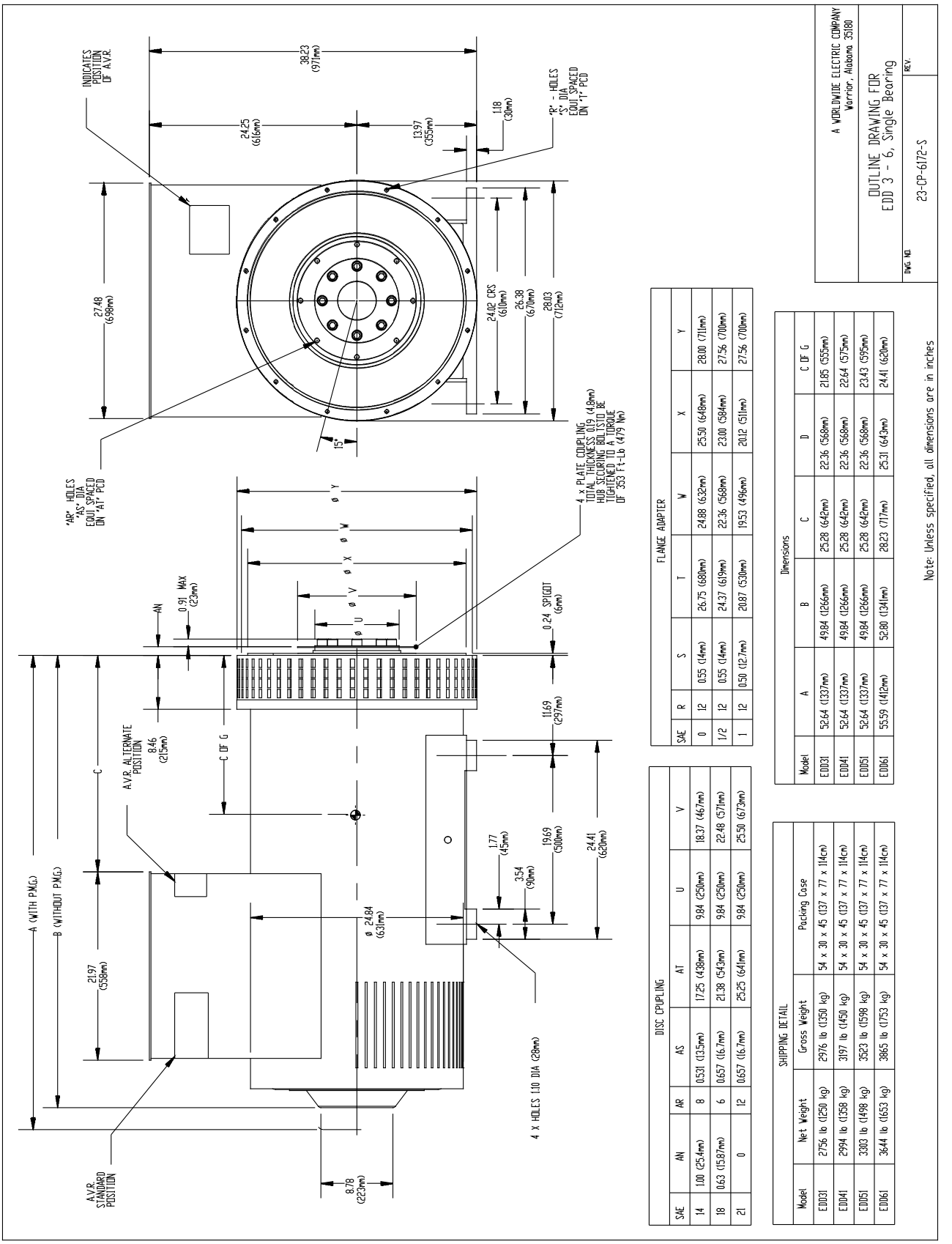
A WORLDWIDE ELECTRIC COMPANY
Warrior, Alabama 35180

OUTLINE DRAWING FOR
DDD 3 - 6, Single Bearing

DWG. NO: 23-CP-6171-S REV:

Phone: +1 (800) 808-2131

Drawing: EDD 3-6 Single Bearing



SAE	AN	AR	AS	AT	U	V
14	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)	9.84 (250mm)	18.37 (467mm)
18	0.63 (15.87mm)	6	0.657 (16.7mm)	21.38 (543mm)	9.84 (250mm)	22.48 (571mm)
21	0	12	0.657 (16.7mm)	25.25 (641mm)	9.84 (250mm)	25.50 (673mm)

DISC COUPLING

SAE	R	S	T	W	X	Y
0	12	0.55 (14mm)	26.75 (680mm)	24.88 (632mm)	25.50 (648mm)	28.00 (711mm)
1/2	12	0.55 (14mm)	24.37 (619mm)	22.36 (568mm)	23.00 (584mm)	27.56 (700mm)
1	12	0.50 (12.7mm)	20.87 (530mm)	19.53 (496mm)	20.12 (511mm)	27.56 (700mm)

FLANGE ADAPTER

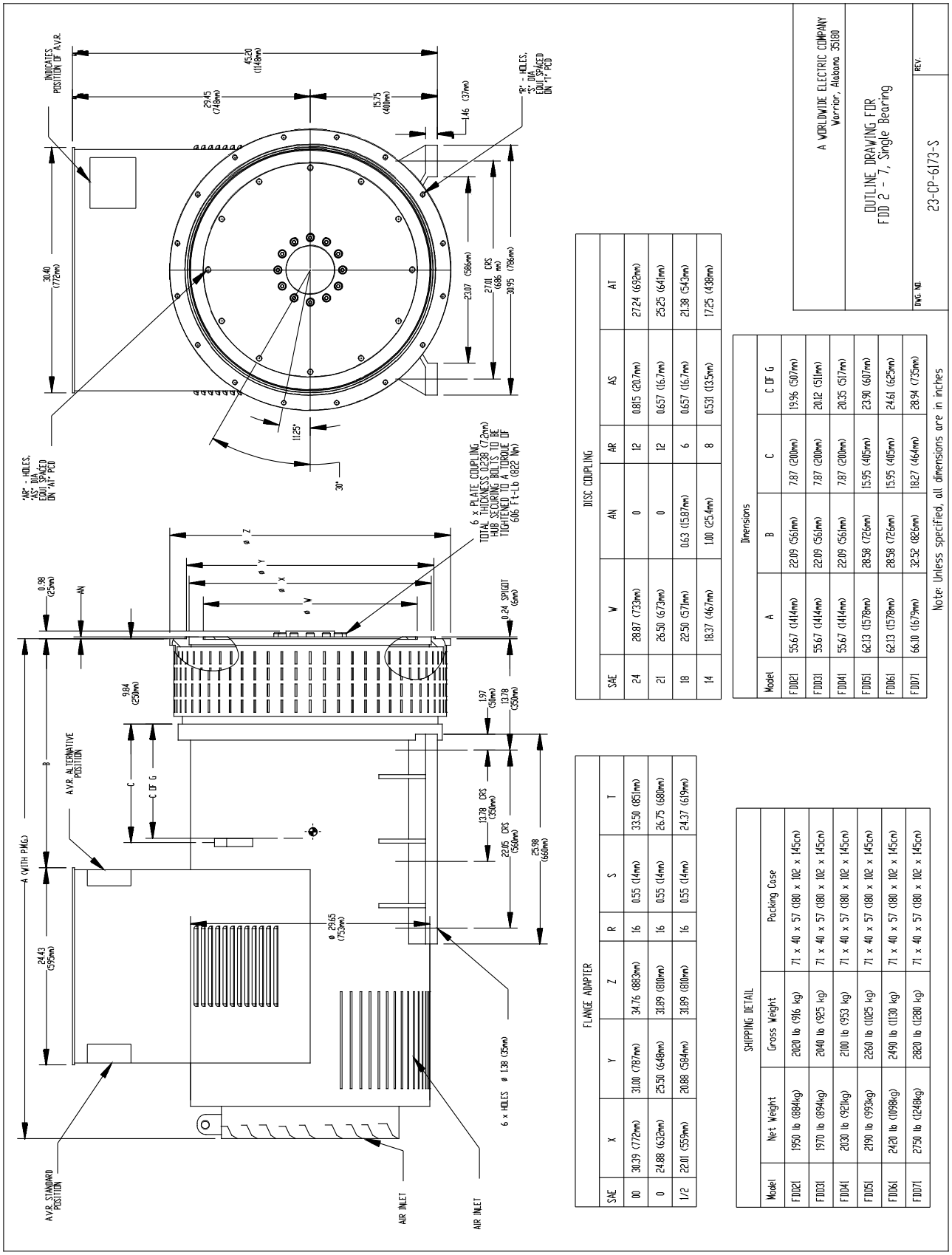
Model	A	B	C	D	C DIF G
EDD31	52.64 (1337mm)	49.84 (1266mm)	25.28 (642mm)	22.36 (568mm)	21.85 (555mm)
EDD41	52.64 (1337mm)	49.84 (1266mm)	25.28 (642mm)	22.36 (568mm)	22.64 (575mm)
EDD51	52.64 (1337mm)	49.84 (1266mm)	25.28 (642mm)	22.36 (568mm)	23.43 (595mm)
EDD61	55.59 (1412mm)	52.80 (1341mm)	28.23 (717mm)	25.31 (643mm)	24.41 (620mm)

Dimensions

Model	Net Weight	Gross Weight	Packing Case
EDD31	2756 lb (1250 kg)	2976 lb (1350 kg)	54 x 30 x 45 (137 x 77 x 114cm)
EDD41	2994 lb (1358 kg)	3197 lb (1450 kg)	54 x 30 x 45 (137 x 77 x 114cm)
EDD51	3303 lb (1498 kg)	3523 lb (1598 kg)	54 x 30 x 45 (137 x 77 x 114cm)
EDD61	3644 lb (1653 kg)	3865 lb (1753 kg)	54 x 30 x 45 (137 x 77 x 114cm)

SHIPPING DETAIL

Drawing: FDD 2-7 Single Bearing



SAE	W	AN	AR	AS	AT
2/4	28.87 (733mm)	0	12	0.815 (20.7mm)	27.24 (692mm)
21	26.50 (673mm)	0	12	0.657 (16.7mm)	25.25 (641mm)
18	22.50 (571mm)	0.63 (15.87mm)	6	0.657 (16.7mm)	21.38 (543mm)
14	18.37 (467mm)	1.00 (25.4mm)	8	0.531 (13.5mm)	17.25 (438mm)

DISC COUPLING

Model	A	B	C	C OF G
FDD21	55.67 (1414mm)	22.09 (561mm)	7.87 (200mm)	19.96 (507mm)
FDD31	55.67 (1414mm)	22.09 (561mm)	7.87 (200mm)	20.12 (511mm)
FDD41	55.67 (1414mm)	22.09 (561mm)	7.87 (200mm)	20.35 (517mm)
FDD51	62.13 (1578mm)	28.58 (726mm)	15.95 (405mm)	23.90 (607mm)
FDD61	62.13 (1578mm)	28.58 (726mm)	15.95 (405mm)	24.61 (625mm)
FDD71	66.10 (1679mm)	32.52 (826mm)	18.27 (464mm)	28.94 (735mm)

Dimensions

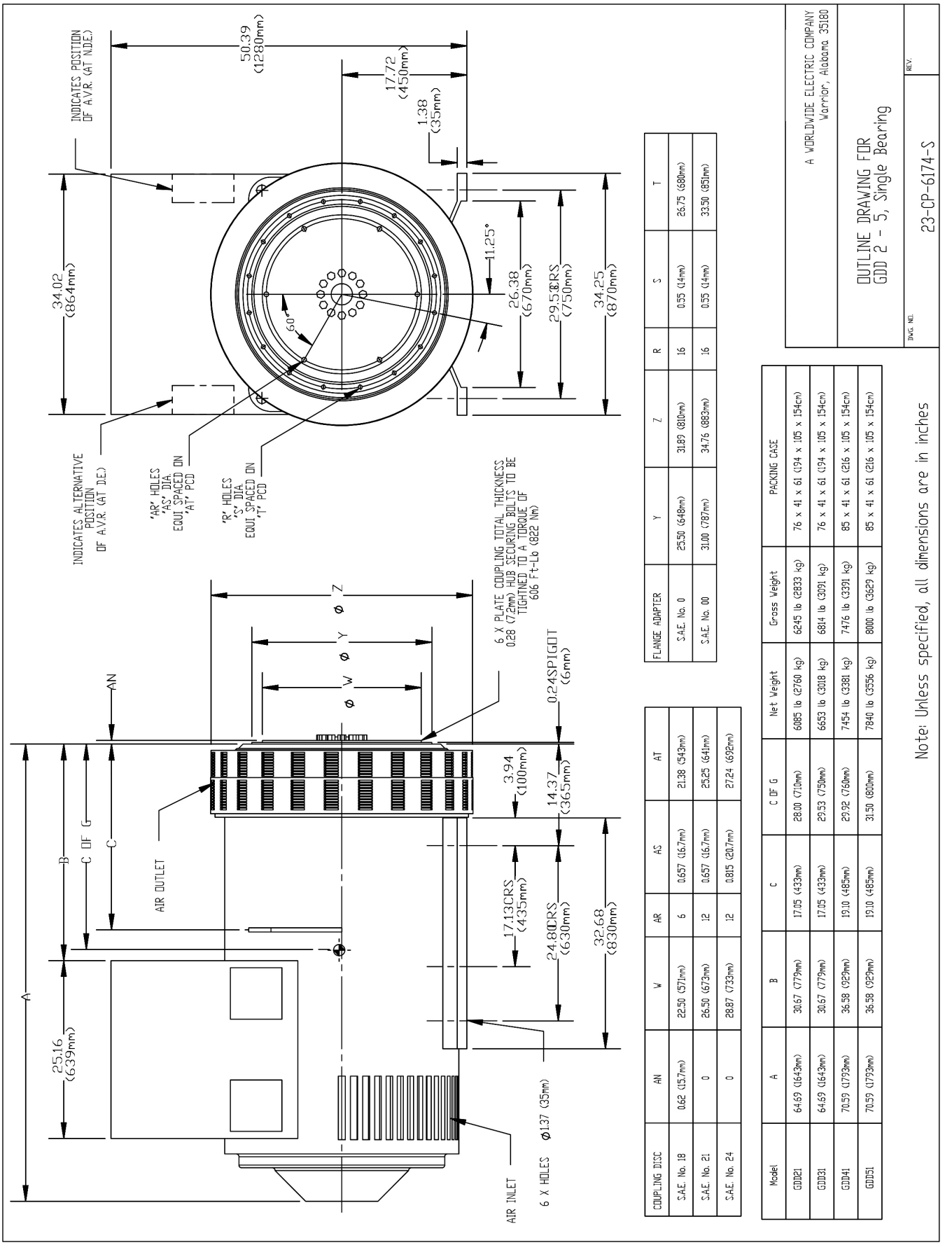
SAE	X	Y	Z	R	S	T
00	30.39 (772mm)	31.00 (787mm)	34.76 (883mm)	16	0.55 (14mm)	33.50 (851mm)
0	24.88 (632mm)	25.50 (648mm)	31.89 (810mm)	16	0.55 (14mm)	26.75 (680mm)
1/2	22.01 (559mm)	20.88 (584mm)	31.89 (810mm)	16	0.55 (14mm)	24.37 (619mm)

FLANGE ADAPTER

Model	Net Weight	Gross Weight	Packing Case
FDD21	1950 lb (884kg)	2020 lb (916 kg)	71 x 40 x 57 (180 x 102 x 145cm)
FDD31	1970 lb (894kg)	2040 lb (925 kg)	71 x 40 x 57 (180 x 102 x 145cm)
FDD41	2030 lb (921kg)	2100 lb (953 kg)	71 x 40 x 57 (180 x 102 x 145cm)
FDD51	2190 lb (993kg)	2260 lb (1025 kg)	71 x 40 x 57 (180 x 102 x 145cm)
FDD61	2420 lb (1098kg)	2490 lb (1130 kg)	71 x 40 x 57 (180 x 102 x 145cm)
FDD71	2750 lb (1248kg)	2820 lb (1280 kg)	71 x 40 x 57 (180 x 102 x 145cm)

SHIPPING DETAIL

Drawing: GDD 2 - 5 Single Bearing

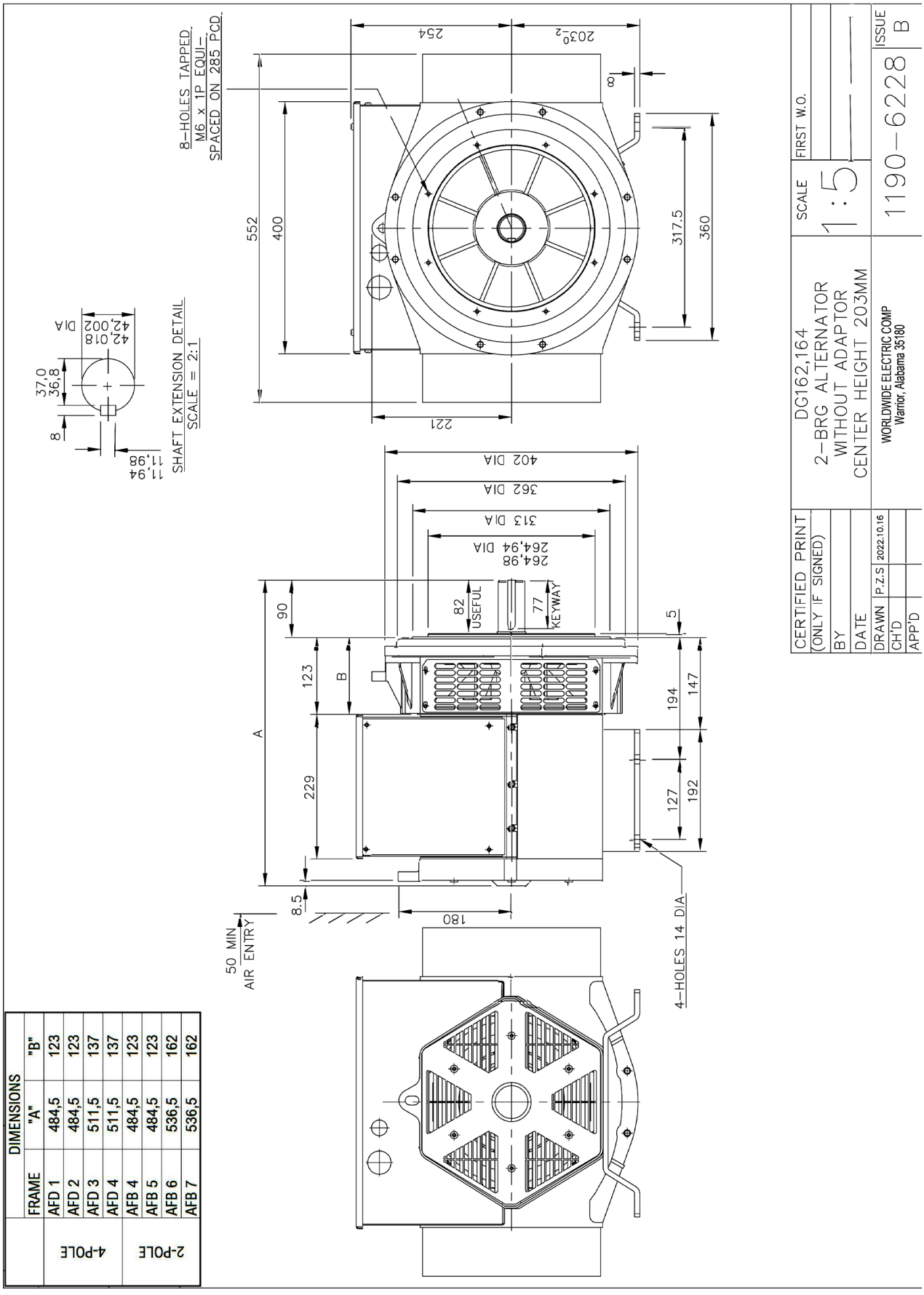


COUPLING DISC	AN	W	AR	AS	AT
S.A.E. No. 18	0.62 (15.7mm)	22.50 (571mm)	6	0.657 (16.7mm)	21.38 (543mm)
S.A.E. No. 21	0	26.50 (673mm)	12	0.657 (16.7mm)	25.25 (641mm)
S.A.E. No. 24	0	28.87 (733mm)	12	0.815 (20.7mm)	27.24 (692mm)

FLANGE ADAPTER	Y	Z	R	S	T
S.A.E. No. 0	25.50 (648mm)	31.89 (810mm)	16	0.55 (14mm)	26.75 (680mm)
S.A.E. No. 00	31.00 (787mm)	34.76 (883mm)	16	0.55 (14mm)	33.50 (851mm)

Model	A	B	C	C OF G	Net Weight	Gross Weight	PACKING CASE
GDD21	64.69 (1643mm)	30.67 (779mm)	17.05 (433mm)	28.00 (710mm)	6085 lb (2760 kg)	6245 lb (2833 kg)	76 x 41 x 61 (194 x 105 x 154cm)
GDD31	64.69 (1643mm)	30.67 (779mm)	17.05 (433mm)	29.53 (750mm)	6653 lb (3018 kg)	6814 lb (3091 kg)	76 x 41 x 61 (194 x 105 x 154cm)
GDD41	70.59 (1793mm)	36.58 (929mm)	19.10 (485mm)	29.92 (760mm)	7454 lb (3381 kg)	7476 lb (3391 kg)	85 x 41 x 61 (216 x 105 x 154cm)
GDD51	70.59 (1793mm)	36.58 (929mm)	19.10 (485mm)	31.50 (800mm)	7840 lb (3556 kg)	8000 lb (3629 kg)	85 x 41 x 61 (216 x 105 x 154cm)

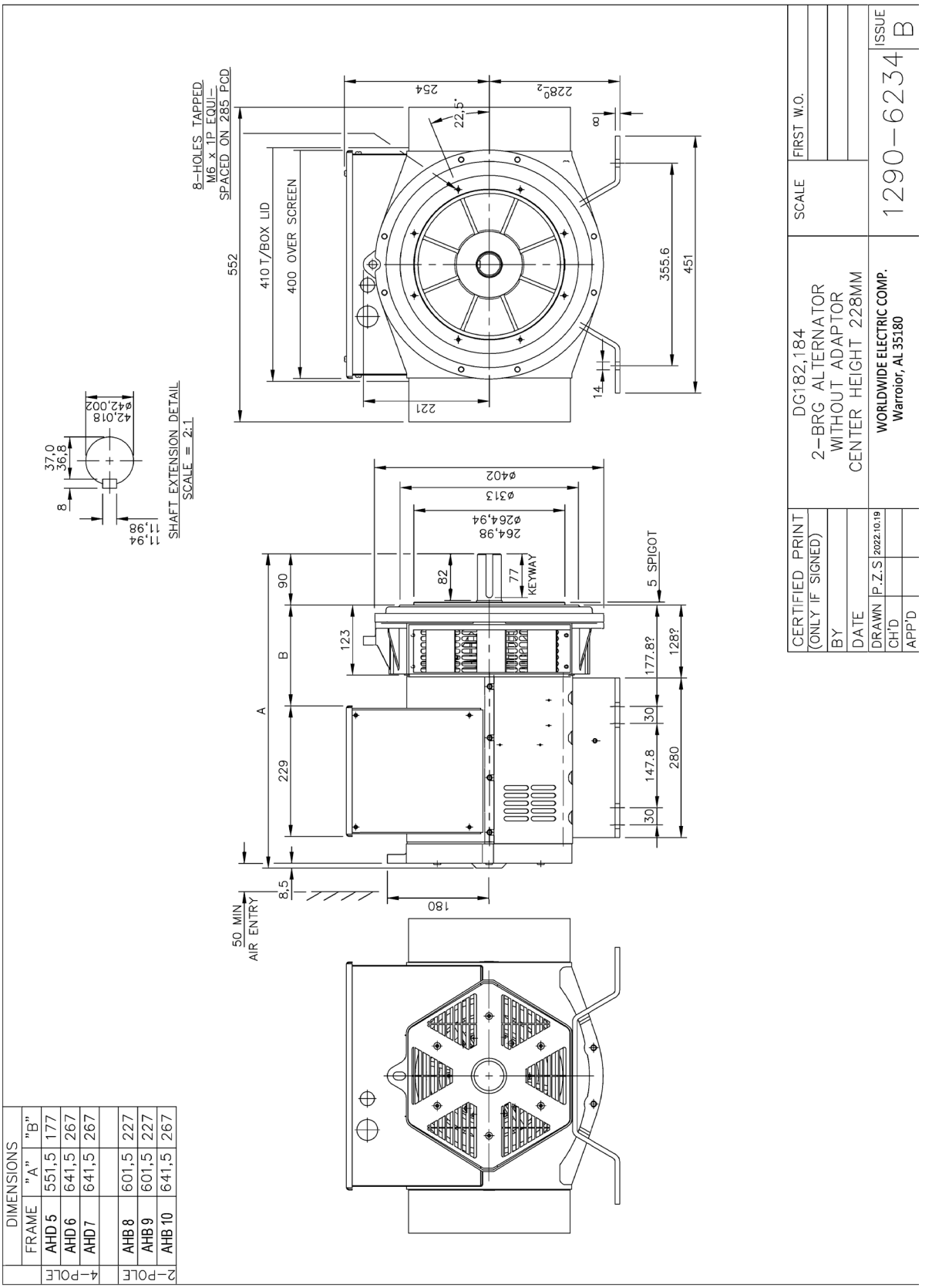
Drawing: AFB & AFD 1-4 Double Bearing



	DIMENSIONS		
	FRAME	"A"	"B"
4-POLE	AFD 1	484,5	123
	AFD 2	484,5	123
	AFD 3	511,5	137
	AFD 4	511,5	137
2-POLE	AFB 4	484,5	123
	AFB 5	484,5	123
	AFB 6	536,5	162
	AFB 7	536,5	162

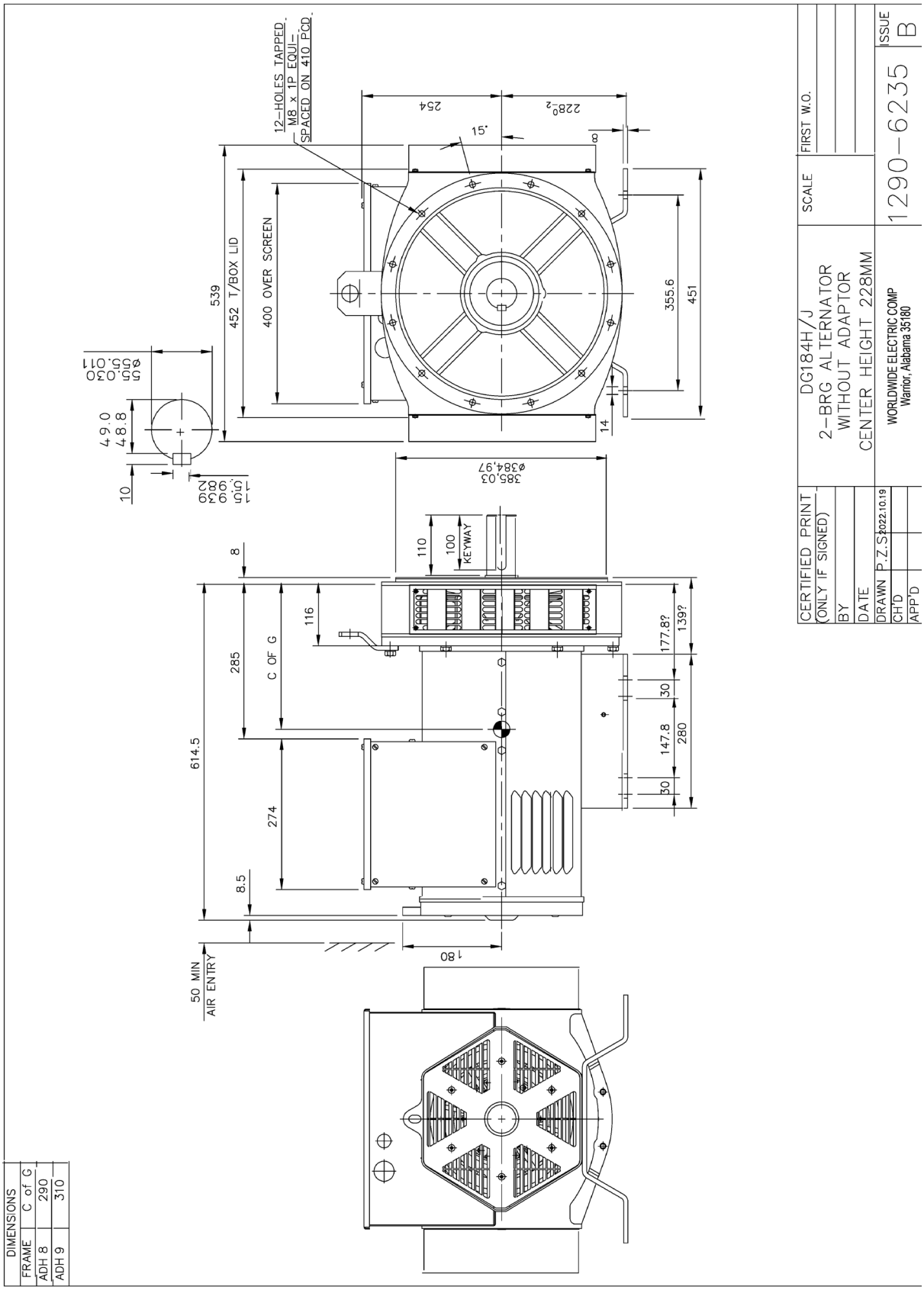
Phone: +1 (800) 808-2131

Drawing: AHB 8 - 10 & AHD 5 - 7 Double Bearing



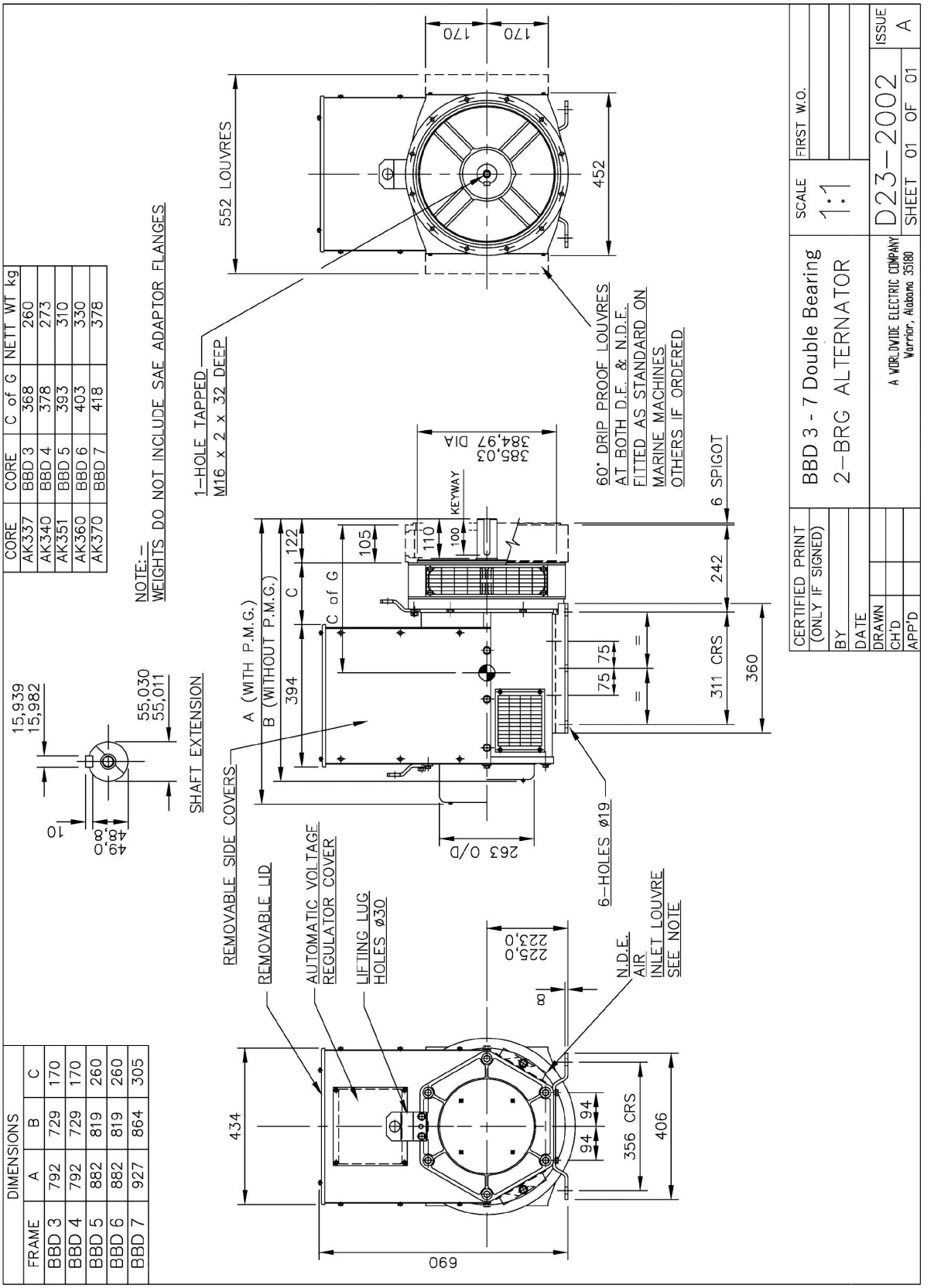
	DIMENSIONS		
	FRAME	"A"	"B"
4–POLE	AHD 5	551,5	177
	AHD 6	641,5	267
	AHD 7	641,5	267
2–POLE	AHB 8	601,5	227
	AHB 9	601,5	227
	AHB 10	641,5	267

Drawing: AHD 8 - 9 Double Bearing



Phone: +1 (800) 808-2131

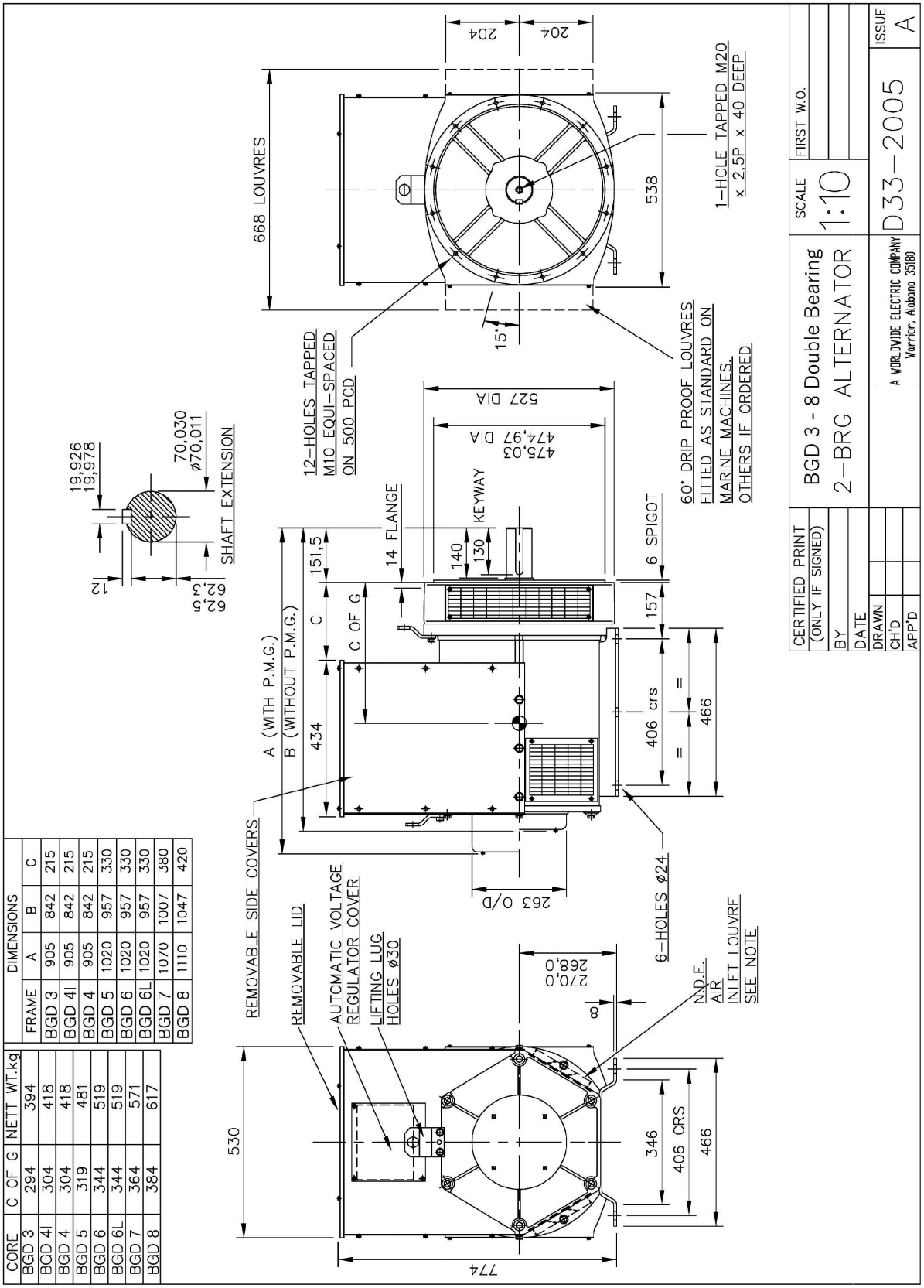
Drawing: BBD 3 - 7 Double Bearing



CORE	CORE	C of G	NETT WT kg
AK337	BBD 3	368	260
AK340	BBD 4	378	273
AK351	BBD 5	393	310
AK360	BBD 6	403	330
AK370	BBD 7	418	378

DIMENSIONS			
FRAME	A	B	C
BBD 3	792	729	170
BBD 4	792	729	170
BBD 5	882	819	260
BBD 6	882	819	260
BBD 7	927	864	305

Drawing: BGD 3 - 7 Double Bearing



CORE	C OF G	NETT WT.kg
BGD 3	294	394
BGD 4I	304	418
BGD 4	304	418
BGD 5	319	481
BGD 6	344	519
BGD 6L	344	519
BGD 7	364	571
BGD 8	384	617

DIMENSIONS			
FRAME	A	B	C
BGD 3	905	842	215
BGD 4I	905	842	215
BGD 4	905	842	215
BGD 5	1020	957	330
BGD 6	1020	957	330
BGD 6L	1020	957	330
BGD 7	1070	1007	380
BGD 8	1110	1047	420

Phone: +1 (800) 808-2131

Warranty Policy

NOTE: This warranty is extended only to customers who purchase directly from WorldWide Electric Corporation, LLC. The warranty policy does not extend to customers of the initial buyer.

WARRANTY PERIOD

WorldWide Electric Corporation, LLC warrants Standby Duty Generators to be free from defects in materials and workmanship for a period of 24 months from date of commissioning, 30 months from date of shipment, or 1200 hours of run time, whichever occurs first. WorldWide Electric Corporation, LLC warrants Continuous Duty Generators to be free from defects in materials and workmanship for a period of 12 months from date of commissioning, 18 months from date of shipment, or 5000 hours of run time, whichever occurs first.

CORRECTION OF DEFECTS

WorldWide Electric Corporation, LLC will repair, or at its option, replace, any defect that, under proper use, appears in the Generator(s) during the warranty period, given that upon examination by WorldWide Electric Corporation, LLC, the defect is solely due to defective material or workmanship.

This warranty shall be conditioned upon WorldWide Electric Corporation, LLC receiving written notice of any defect within 2 business days upon its discovery. The written notice must include the model number, serial number, and a detailed description of the failure. Additionally, the bad Generator or part must be returned within 15 days of informing WorldWide Electric Corporation, LLC at the client's expense. It must be packaged properly to avoid damage due to shipping. For Generators, this includes the support of the rotor within the stator. If these steps are not followed, the warranty is void. All identification marks and numbers must be intact to aid identification. Any part repaired or replaced under warranty, will be returned to the customer by WorldWide Electric Corporation, LLC, free of charge.

WorldWide Electric Corporation, LLC shall not be liable for any expenses that may be incurred in removing or replacing any part sent to us for inspection or in fitting any replacement part supplied by us. WorldWide Electric Corporation, LLC shall have no liability for defects in any items which have not been properly installed in accordance with recommended installation practices. In no event shall WorldWide Electric Corporation, LLC's liability for such defective or nonconforming products exceed the purchase price paid by Buyer for the item(s).

In all cases of claims, the WorldWide Electric Corporation, LLC decision shall be final on all questions as to defects and the exchange of a part or parts.

EXCLUSIONS

This warranty does not (1) cover any tax, duty, custom, inspection or testing fee, or any other charge of any nature related thereto, nor does it cover the costs of disassembling or removing defective equipment or reassembling, reinstalling, or testing repaired or replaced equipment or finishing the reinstallation thereof, (2) apply and shall be void with respect to equipment operated in excess of rated capacity or otherwise not in accordance with installation, maintenance, or operating instructions, or to equipment which has been subjected to abuse, negligence, misuse, misapplication, accident, damages by circumstances beyond WorldWide Electric Corporation, LLC's control, due to improper installation, operation, maintenance or storage, or to other than normal use or service, and (3) apply to equipment or components not manufactured by or for WorldWide Electric Corporation, LLC.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES (EXCEPT TITLE), INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO EMPLOYEE, REPRESENTATIVE, OR AGENT OF WORLDWIDE ELECTRIC CORPORATION, LLC OTHER THAN AN OFFICER OF THE CORPORATION IS AUTHORIZED TO ALTER OR MODIFY ANY PROVISION OF THIS WARRANTY OR TO MAKE ANY GUARANTEE, WARRANTY, OR REPRESENTATION, EXPRESS OR IMPLIED, ORALLY OR IN WRITING, WHICH IS CONTRARY TO THE FOREGOING.

Return Policy

1. All WorldWide Electric products (electric motors, motor controls, gear reducers, and generators) that are purchased as normal stock items may be returned, with freight to be paid, back to the closest WorldWide Electric warehouse by the customer.
2. Any returned products must be new, undamaged and in original cartons/packaging. Final credit will not be issued until WorldWide Electric has verified the products/shipping cartons as such.
3. All RGA requests must be made within 90 days of original purchase.
4. If the returned products were ordered incorrectly by the customer, 20% will be levied as a restocking charge which carries a minimum $75 charge.
5. If the customer places an order equal to or greater than the goods being returned, then the restocking charge will be 10% (minimum $75 charge).
6. If the product being returned was originally shipped to the customer prepaid and allowed, the original freight charge will be deducted from the return credit.
7. If the returned products are not in original condition (as well as the packaging), there will be additional fees applied to repair and/or replace those parts/products.

Freight Terms / Programs / Services

Freight Terms

Freight terms are as follows on all orders shipped from any of our warehouses.
All products can be assorted from all three divisions; motors, controls and gearing.

$5,000 +	Truck - Prepaid and Allowed
$1,000 - $4,999	Truck - 10% of Invoice - Prepaid and Add
$0 - $999	Truck - $100 Minimum - Prepaid and Add

FedEx / UPS may be utilized for shipments under 100 lbs. and billed on a prepaid and add basis (excluding cast iron motors and gear reducer products). Customers may always choose to have their shipment sent freight collect.

Customer Pick Up

Orders may be picked up from any of our warehouses as a will call. We would prefer a one-hour advance notification for orders to be picked up. However, allowances will be made for special rush and urgent situations. Freight terms are as follows on all orders shipped from any of our warehouses.

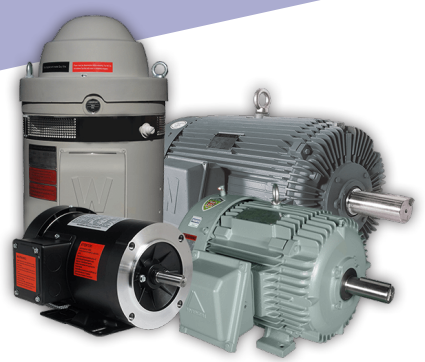
Additional Freight Services

Delivery Appointment	$ 65.00
Liftgate Delivery	$200.00
Residential Delivery	$125.00
Expedited Delivery	Please Call for Quote

WORLDWIDE
ELECTRIC CORPORATION

Designed for demanding applications at affordable and competitive prices.

Industrial Products
Proven Quality

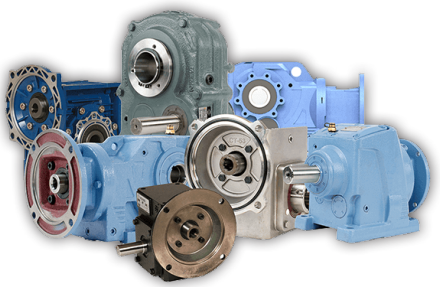


Electric Motors

- Definite Purpose Motors
- General Purpose Motors
- Fractional HP Motors
- Farm Duty Motors
- Serve Duty Motors
- Marine-Duty Motors
- Pump Motors
- Explosion Proof Motors
- IEC Motors
- Motor Accessories

Motor Controls

- Variable Frequency Drives
- Soft Starters
- Across the Line Starters
- Remote Operating Modules
- Pre-configured/Customizable Cabinets and Panels
- Pilot Devices, Safety Switches, Contactors & Relays



Gear Reducers

- Helical Inline Gear Reducers
- Parallel Shaft Helical Gear Reducers
- Shaft Mount Reducers
- Worm Gear Reducers
- Accessories and Kits

Discover More Capabilities with Worldwide Electric's Family of Brands

LOUIS ALLIS
Custom Specialty Motors

GLEASON-AVERY
Fractional and Sub-fractional Gear Motors

GEORATOR
Frequency Convertors

2023
Generator Stock Products Catalog

Document No: GEN-CAT-04.2023

RELIABLE GENERATORS

FOR INDUSTRIAL AND LIGHT TOWER APPLICATIONS

(OH, AND THEY'RE IN STOCK TOO‡)

Call us today at **(800) 808-2131**
or browse our complete product lines at **worldwideelectric.com**.

worldwideelectric.com

WorldWide Electric Corporation
3540 Winton Place
Rochester, NY 14623

‡While most products are in stock in one of our distribution centers, certain conditions may lead to temporary stock shortages.