

POWER CONVERSION CHART

THREE PHASE POWER-AMPERE TABLE
At Common Line Two-Line Voltages-80% Power Factor

kVA	kW	208V	220V	240V	380V	400V	440V	460V	480V	600V	2400V	3300V	4160V
6.3	5	17	16	15	9	9	9	8	8	6	-	-	-
9.4	7.5	26	25	23	14	13	13	12	11	9	-	-	-
12.5	10	34	33	30	19	18	17	16	15	12	-	-	-
18.7	15	52	49	45	28	27	26	24	23	18	-	-	-
25	20	69	66	60	38	36	35	31	30	24	6	4	3
31.3	25	87	82	75	47	45	43	39	38	30	8	5	4
37.5	30	104	98	90	57	54	52	47	45	36	9	7	5
50	40	139	131	120	76	72	70	63	60	48	12	9	7
62.5	50	173	164	150	95	90	87	78	75	60	15	11	9
75	60	208	197	180	114	108	104	94	90	72	18	13	10
93.5	75	360	246	226	142	135	130	118	113	90	23	16	13
100	80	278	262	241	152	144	139	126	120	96	24	17	14
125	100	347	328	301	190	180	174	157	150	120	30	22	17
156	125	434	410	376	237	226	217	196	188	150	38	27	22
187	150	520	492	451	285	271	261	235	226	180	45	33	26
219	175	607	574	526	332	316	304	275	263	210	53	38	30
250	200	694	656	601	380	361	346	314	301	241	60	44	35
312	250	867	820	752	475	451	435	392	376	301	75	55	43
375	300	1041	984	902	570	541	522	471	451	361	90	66	52
438	350	1214	1148	1052	665	631	609	549	526	421	105	77	61
500	400	1388	1312	1203	760	722	696	628	601	481	120	87	69
625	500	1735	1640	1504	950	902	870	784	752	601	150	109	87
750	600	2082	1968	1804	1140	1083	1043	1941	902	722	180	131	87
875	700	2429	2296	2105	1329	1263	1217	1098	1052	842	210	153	121
1000	800	2776	2624	2406	1519	1443	1391	1255	1203	962	241	175	139
1125	900	3123	2952	2706	1709	1624	1565	1412	1353	1063	271	197	156
1250	1000	3470	3280	3007	1899	1804	1739	1569	1503	1203	301	219	173
1563	1250	4340	4100	3760	2375	2255	2170	1960	1880	1505	375	275	215
1875	1500	5205	4920	4510	2850	2705	2610	2355	2255	1805	450	330	260
2188	1750	6070	5740	5260	3325	3160	3050	2750	2630	2105	525	385	305
2500	2000	6940	6560	6015	3800	3610	3480	3140	3010	2405	600	440	350
2812	2250	7805	7380	6765	4275	4060	3910	3525	3385	2705	675	490	390
3125	2500	8675	8200	7520	4750	4510	4350	3920	3760	3010	750	550	435
3750	3000	10410	9840	9020	5700	5415	5220	4705	4510	3610	900	655	520
4375	3500	12145	11480	10525	6650	6315	6090	5490	5410	3610	900	655	520
5000	4000	13880	13120	12030	7600	7220	6955	6275	6015	4811	1200	875	695
6250	5000	17350	16400	15035	9495	9020	8695	7845	7520	6015	1505	1095	865

kW = Volts x Amp x 1.73 x Power Factor
1000

Tons (Fluid) = $\frac{\text{GPM} \times 500 \text{ sp.heat} \times \text{sp.gravity} \times \text{DT}}{12,000}$

Tons (Air) = $\frac{\text{cfm} \times 4.45 \times \text{Dh (enthalpy)}}{12,000}$

kW Heat (Structure) = $\frac{\text{Surface area} \times \text{u factor} \times \text{DT}}{3413}$

cfm = $\frac{\text{Volume} \times \# \text{ of required air changes}}{60}$

kW Heat = $\frac{\text{cfm} \times 1.08 \times \text{DT}}{3413}$

kW (Temperature) = $\frac{\text{Btu / hr}}{3413}$

Tons (Refrigeration) = $\frac{\text{Btu / hr}}{12,000}$

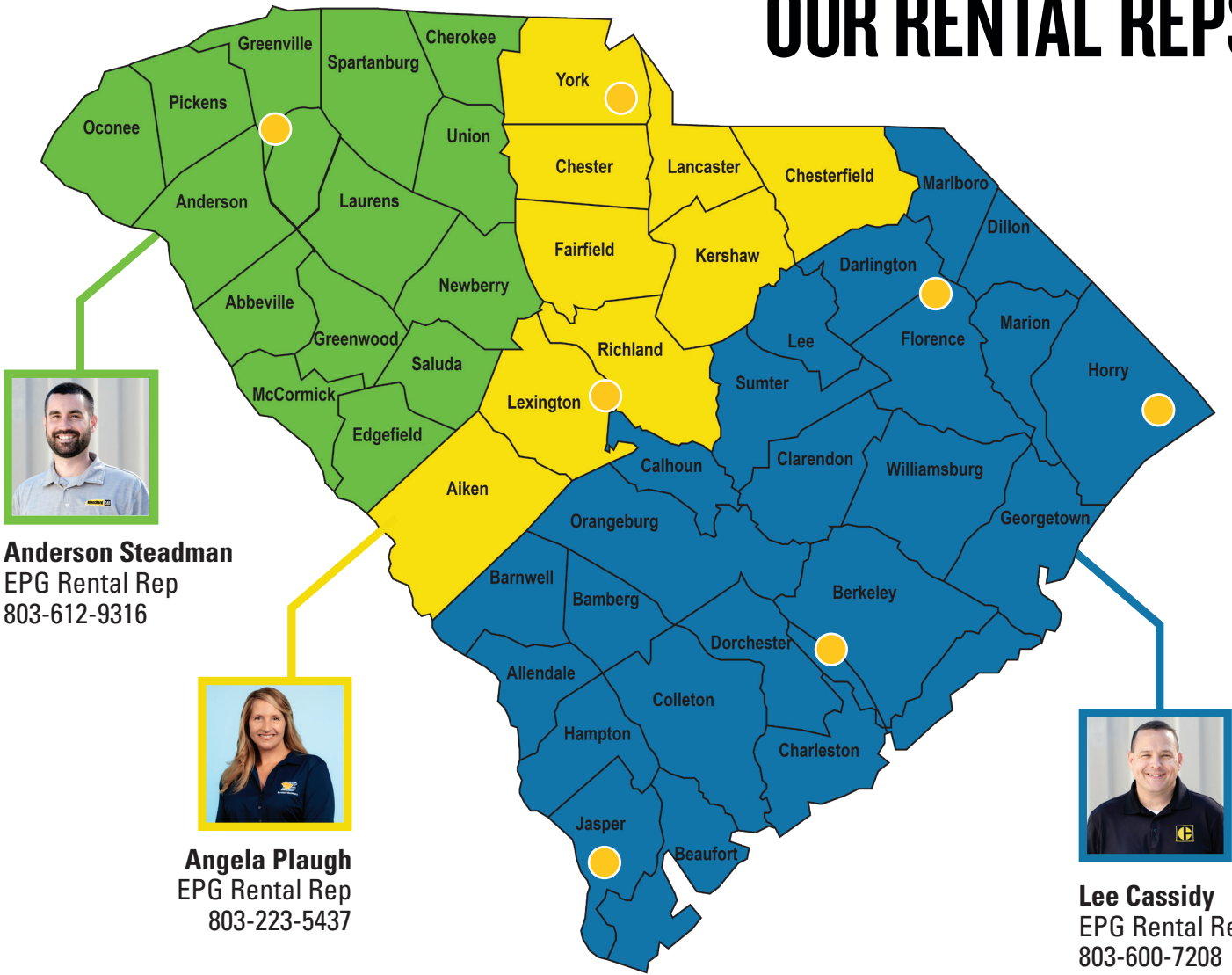
Tons (Nominal)* = $\frac{\text{Tons (effective) or Btu / hr of work deration factor}}{12,000}$

* = Below 45° Low Temperature Applications

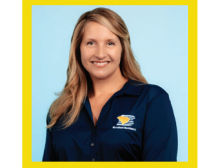
OUR LOCATIONS



OUR RENTAL REPS



Anderson Steadman
EPG Rental Rep
803-612-9316



Angela Plaugh
EPG Rental Rep
803-223-5437



Lee Cassidy
EPG Rental Rep
803-600-7208

LOCATIONS

Columbia
3151 Charleston Hwy.
West Columbia, SC

Florence
3031 Caterpillar Ln.
Florence, SC

Greenville
6755 Frontage Rd.
Greenville, SC

Hilton Head
50500 Whyte Hardee Blvd.
Hardeeville, SC

Myrtle Beach
2334 Chestnut Rd.
Longs, SC

Rock Hill
3777 Lazy Hawk Rd.
Rock Hill, SC

Summerville
151 Farmington Rd.
Summerville, SC

BlanchardPowerSystems.com

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BLANCHARD POWER SYSTEMS RENTAL

YOUR LOCAL PARTNER OF CHOICE FOR
POWER, COMPRESSED AIR & TEMPERATURE CONTROL

We Provide Power For Living

BlanchardPowerSystems.com

POWER GENERATORS

We're Available When YOU Need Us

Blanchard Power Systems Rental offers one of the largest rental generator fleets in the Southeast. Our CAT® Rental generators are equipped with the following options:

- Simultaneous Dual Voltage 208/480 Volt Outputs
- Fine Voltage Adjustments on the Operators Panel
- Trailer Mounted or Skid Mounted
- Extended Run Fuel Tanks
- Ultra Quiet Operation
- Electronic Governors
- Auto Start Ready

Need more than a generator?

No problem, our fleet also includes:

- Rental Cable
- Cable Protection
- Electrical Distribution
- Transformers
 - 45 kVA to 2500 kVA
 - 110v to 13,800v
- Panels
 - I-line
 - Outlet Panels
 - RV Panels
 - Disconnects
- Transfer switches
 - Automatic and Manual



SIZE	FUEL CAPACITY	GPH	DIMENSION	WEIGHT
20kW	47 Gal	1,53	78" X 32"	2,400 lbs
30kW	56 Gal	2,08	96" X 44"	3,600 lbs
60kW	149 Gal	4,27	144" X 44"	4,900 lbs
100kW	190 Gal	7,2	124" X 74"	5,800 lbs
175kW	264 Gal	10	146" X 45"	6,900 lbs
200kW	306 Gal	14	158" X 44"	14,000 lbs
230kW	400 Gal	13	171" X 59"	13,690 lbs
300kW	470 Gal	20	200" X 61"	17,000 lbs
400kW	470 Gal	25	200" X 61"	17,000 lbs
500kW	660 Gal	30	20'X8'	32,000 lbs
600kW	428 Gal	30	20'X8'	30,000 lbs
750kW	1,250 Gal	55	40'X8'	39,500 lbs
800kW	1,000 Gal	42	30'X8'	49,000 lbs
1,000kW	1,250 Gal	70	40'X8'	49,000 lbs
1,250kW	1,250 Gal	95	40'X8'	50,000 lbs
1,500kW	1,250 Gal	95	40'X8'	59,000 lbs
2,000kW	1,250 Gal	127	40'X8'	89,000 lbs



COMPRESSED AIR

INDUSTRIES SERVED & APPLICATIONS

- Drilling Industry
- Pharmaceutical Plants
- General Purpose Plant Air
- Painting and Sandblasting Industry
- Pipeline Contractors
- 24/7/365 Service

Compressed air is the lifeblood of industry today. When maintenance or repairs inhibit the use of your machines, or in instances where additional capacity is needed, call on the pros at Blanchard Power Systems Rental. We have the largest fleet of rental air compressors in the Southeast. We offer electric or diesel driven units along with 24/7/365 service and support.

Our line of aftercooled – filtered rental air compressors provide cool, clean air where and when it's needed. We also offer a complete line of accessories including:

- Air Dryers
- Valves
- Air Hose
- Regulators
- Fittings
- Surge Tanks

Whether you're in the drilling, pharmaceutical, painting/sandblasting or pipeline industry we can provide you with rental air compressors to make your job easier.



High Pressure/Standard Pressure Diesel Driven Compressors

Manufacturer/Model Number	Atlas Copco XAVS 400FF	Atlas Copco XAS 950	Atlas Copco XAS 1800FF	Atlas Copco XRVS 1000	Kobelco 400HP Diesel Oil Free
Capacity (CFM)	400 CFM	754-950 CFM	1800 CFM	1000 CFM	1550 CFM
Operating Pressure PSI	200 PSI	100-200 PSI	150 PSI	365 PSI	110-150 PSI
Fuel Tank Size (Gal)	58 Gal	90 Gal	240 Gal	142 Gal	375 Gal
Fuel Consumption @ 100% Load	6.3 GPH	13.21 GPH	25 GPH	21.1 GPH	24 GPH
Mounting	Single Axle	Single Axle	Tandem Axle	Tandem Axle	Tandem Axle
Overall Length	152"	201"	235"	222"	240"
Overall Height	72"	80"	101"	98.4"	102"
Overall Width	68"	97"	88"	84.7"	118"
Shipping Weight (Wet)	3,575 lbs	8,200 lbs	18,000 lbs	15,000 lbs	25000 lbs

Standard Pressure Electric Driven Compressors

Manufacturer/Model Number	Kobelco 100HP	Kobelco 200HP	Kobelco 400HP
Capacity (CFM)	400 CFM	811 CFM	1550 CFM
Operating Pressure PSI	40-135 PSI	125PSI	50-150 PSI
3 Phase Voltage/HP	460/100 HP	460/200 HP	460/400 HP
Circuit Breaker	150 Amps	350 Amps	415 Amps
Overall Length	79.71"	104.5"	192"
Overall Height	48"	70.75"	96"
Overall Width	98.64"	100"	108"
Weight	5000 lbs	8640 lbs	13000 lbs

100% Oil-Free Electric units also available.

AIR CONDITIONERS

When the heat affects your operation, you can depend on Blanchard Power Systems Rental. Our portable air conditioners come in many different sizes to suit your needs.

TONNAGE	DIMENSIONS	WEIGHT	ELECTRICAL REQUIREMENTS
12 Ton 4,050 CFM	64" x 44" x 67.5"	1,250 lbs.	46A@ 460 V
30 Ton 1,000 CFM	96"x 66" x 102"	4,900 lbs.	67A@480V
60 Ton 23,000 CFM	140' x 96' x 100.8"	11,203 lbs.	250A@460V

1-5 Ton spot coolers also available.

- Features Include:
- Most Use Standard 20" Ducting
 - Trailer Mounted
 - Remote Thermostat Capable
 - Variable Speed Evaporator Blowers
 - 24/7/365 Service

WATER CHILLERS

The Blanchard Power Systems Rental fleet of water chillers features mobility, flexibility and value. With single units ranging from 30 Tons to 400 Tons, count on Blanchard Power Systems for comfort, process or additional cooling capacity.

MODEL	MAKE	SIZE	DIMENSIONS (LxWxH)	WEIGHT	CONNECTIONS	POWER REQUIREMENTS
50 ton	York	50 ton	178.8"x 105.6"x 80.4"	6,456 lbs	3" Victaulic	150A @460V
100 ton	York	100 ton	184.8"x 92.4"x 105.6"	10,723 lbs	3" Victaulic	250A @460V
200 ton	York	200 ton	300"x 92.4"x 105.6"	25,282 lbs	6" Victaulic	500A @460V
300ton	York	300 ton	405.6"x 92.4"x 103.2"	29,920 lbs	6" Victaulic	800A @460V
500 ton	York	500 ton	624"x 96"x 163.2"	48,500 lbs	6" Victaulic	1,600A @460V

HEAT

Blanchard Power Systems Rental offers solutions to all of your temperature control problems. Our expanded fleet ensures prompt, reliable service.

SIZE	ENERGY SOURCE	DIMENSIONS (LxWxH)	WEIGHT	CFM	ELECTRICAL REQUIREMENTS
15kW	Electric	39" x 27" x 23"	70 lbs	800	42@208V
60kW	Electric	36" x 46" x 35"	170 lbs	2,700	74@480V
150kW	Electric	94" x 33" x 60"	2,000 lbs	10,000	185@480V
700,000 BTU	Propane Or Natural Gas	53" x 21" x 32"	178 lbs	4,500	8@120V
1,000,000 BTU	Diesel	124" x 80" x 72"	4,650 lbs	5,000	None
2,000,000 BTU	Propane Or Natural Gas	63" x 31" x 37"	355 lbs	8,000	14@120V

1-5 Ton Heat Pumps.

OTHER SERVICES

- Ground Thaw
- Project Management
- Desiccant Dehumidification
- Event Management

