



acniti LLC
1-2-9 Nyoidani
Minoh Osaka
562-0011
Japan

acniti

Oxiti Industrial oxygen concentrator

Oxiti industrial oxygen concentrator with high-quality components from Japan and America, built in a rugged aluminium casing. The concentrator uses pressure swing adsorption (PSA) technology and produces 8 liters per minute of oxygen. This unit gives peace of mind and many hours of stable oxygen production.

Oxiti Industrial oxygen concentrator

Oxiti industrial oxygen concentrator

- ✓ 1, 5 and 8 LPM industrial oxygen concentrator
- ✓ High quality Japanese components and assembled in Japan
- ✓ Microprocessor controlled
- ✓ Low operating cost
- ✓ Transportable design
- ✓ Easy to install and maintain

Technology

The Oxiti industrial oxygen concentrator uses pressure swing adsorption (PSA) technology. Air consists of three primary gases: 21% oxygen, 78% Nitrogen, and 1% argon. An oxygen concentrator removes Nitrogen from the air.

Acniti uses a high-quality compressor in the oxygen concentrator, which compresses over 120 liters of air per minute. The compressed air is fed into an air dryer, where it removes moisture and other impurities. After the air-dryer, the air flows into one of the two oxygen sieves. In the sieve, Nitrogen molecules adhere to the zeolite under pressure, while oxygen passes through the sieve and flows into a small storage container. When the oxygen sieve saturates, which occurs in a matter of seconds, the solenoid valve system switches to the second sieve to repeat the process. The first sieve then depressurizes, allowing the Nitrogen to purge out of the sieve and the oxygen concentrator. This process is constantly repeated.

Quality components

The Oxiti utilizes high-quality components from Japanese and American manufacturers in a rugged aluminum casing. The quality components ensure a long life and easy maintenance with standard components. Many oxygen concentrators developed for the healthcare market are intended for home use and lack the strength, environmental design, and durability of industrial oxygen concentrators. The industrial-designed concentrators have larger and easier-to-wash inlet filters. Another focus point is the air drying after the compressor. Water easily attaches to the zeolite. Once the water attaches to the zeolite, the zeolite is no longer able to hold the Nitrogen, and the sieves need to be replaced.

The oxygen concentrator unit features a pressure gauge that allows the user to monitor the pressure at the inlet of the nanobubble generator. The oxiti supplies a pressure of 35 kPa. When higher pressures are required to dissolve larger quantities of gases more efficiently, please check the oxiti booster.

industrial oxygen concentrator specs 8 lpm 115v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 8 LPM 115V	industrial oxygen concentrator 8 LPM 115V
2	Model number	oxiti-08-115	oxiti-08-115
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F
4	Ambient temperature maximum	40 °C	104 °F
5	Relative humidity minimum	15 %	15 %
6	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
7	Minimum flow / minute	2.0 Liter	0.5 Gallone
8	Maximum flow / minute	8.0 Liter	2.1 Gallone
9	Minimum flow / hour	120 Liter	32 Gallone
10	Maximum flow / hour	480 Liter	127 Gallone
11	Druck Minimum	70 kPa	10 PSI
12	Druck maximal	100 kPa	15 PSI
13	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
14	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
15	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz or 50 Hz	1 Ø 115 VAC 60 Hz or 50 Hz
16	Unit power consumption	605 watts 60 Hz or 480 watts 50 Hz	605 watts 60 Hz or 480 watts 50 Hz

Verbindungen		Metrisch	Kaiserlich
17	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
18	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
19	weight	29.9 Kg	65.9 lbs.
20	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
21	Shipping weight	32.9 Kg	73 lbs.
Bemerkungen			
22	Other remarks	 Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft)	
		 Storage temperature from - 20 °C to 60 °C (0°F to 140 °F)	
		 unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	

industrial oxygen concentrator specs 8 lpm 200v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 8 LPM 200V	industrial oxygen concentrator 8 LPM 200V
Umgebung		Metrisch	Kaiserlich
2	Ambient temperature minimum	10 °C	50 °F
3	Ambient temperature maximum	40 °C	104 °F
4	Relative humidity minimum	15 %	15 %
5	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
6	Minimum flow / minute	2.0 Liter	0.5 Gallone
7	Maximum flow / minute	8.0 Liter	2.1 Gallone
8	Minimum flow / hour	120 Liter	32 Gallone
9	Maximum flow / hour	480 Liter	127 Gallone
10	Druck Minimum	70 kPa	10 PSI
11	Druck maximal	100 kPa	15 PSI
12	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
13	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
14	Unit phase Ø voltage	1 Ø 200 VAC 60 Hz or 50 Hz	1 Ø 200 VAC 60 Hz or 50 Hz
15	Unit power consumption	580 watts 60 Hz or 450 watts 50 Hz	580 watts 60 Hz or 450 watts 50 Hz

Verbindungen		Metrisch	Kaiserlich
16	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
17	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
18	weight	29.9 Kg	65.9 lbs.
19	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
20	Shipping weight	32.9 Kg	73 lbs.

industrial oxygen concentrator specs 8 lpm 230v

	Beschreibung	Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 8 LPM 230V	industrial oxygen concentrator 8 LPM 230V

2	Model number	oxiti-08-230	oxiti-08-230
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	Umgebung	Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F

4	Ambient temperature maximum	40 °C	104 °F
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5	Relative humidity minimum	15 %	15 %
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6	Relative humidity maximum	95 %	95 %
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	Gas	Metrisch	Kaiserlich
7	Minimum flow / minute	2.0 Liter	0.5 Gallone

8	Maximum flow / minute	8.0 Liter	2.1 Gallone
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9	Minimum flow / hour	120 Liter	32 Gallone
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10	Maximum flow / hour	480 Liter	127 Gallone
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11	Druck Minimum	70 kPa	10 PSI
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12	Druck maximal	100 kPa	15 PSI
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13	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
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14	Gas remark	ambient air	ambient air
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	Elektrisch	Metrisch	Kaiserlich
15	Unit phase Ø voltage	1 Ø 230 VAC 50 Hz or 60 Hz	1 Ø 230 VAC 50 Hz or 60 Hz

16	Unit power consumption	550 watts	550 watts
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Verbindungen		Metrisch	Kaiserlich
17	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
18	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
19	weight	29.9 Kg	65.9 lbs.
20	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
21	Shipping weight	32.9 Kg	73 lbs.

industrial oxygen concentrator specs 5 lpm 100v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 5 LPM 100V	industrial oxygen concentrator 5 LPM 100V
Umgebung		Metrisch	Kaiserlich
2	Ambient temperature minimum	10 °C	50 °F
3	Ambient temperature maximum	40 °C	104 °F
4	Relative humidity minimum	15 %	15 %
5	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
6	Minimum flow / minute	2.0 Liter	0.5 Gallone
7	Maximum flow / minute	5.0 Liter	1.3 Gallone
8	Minimum flow / hour	120 Liter	32 Gallone
9	Maximum flow / hour	300 Liter	79 Gallone
10	Druck Minimum	70 kPa	10 PSI
11	Druck maximal	100 kPa	15 PSI
12	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
13	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
14	Unit phase Ø voltage	1 Ø 100 VAC 60 Hz or 50 Hz	1 Ø 100 VAC 60 Hz or 50 Hz
15	Unit power consumption	555 watts 60 Hz or 435 watts 50 Hz	555 watts 60 Hz or 435 watts 50 Hz

Verbindungen		Metrisch	Kaiserlich
16	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
17	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
18	weight	29.9 Kg	65.9 lbs.
19	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
20	Shipping weight	32.9 Kg	73 lbs.
Bemerkungen			
21	Other remarks	✓ Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft) ✓ Storage temperature from - 20 °C to 60 °C (0°F to 140 °F) ✓ unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	

industrial oxygen concentrator specs 5 lpm 115v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 5 LPM 115V	industrial oxygen concentrator 5 LPM 115V
2	Model number	oxiti-05-115	oxiti-05-115
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F
4	Ambient temperature maximum	40 °C	104 °F
5	Relative humidity minimum	15 %	15 %
6	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
7	Minimum flow / minute	1.0 Liter	0.3 Gallone
8	Maximum flow / minute	5.0 Liter	1.3 Gallone
9	Minimum flow / hour	60 Liter	16 Gallone
10	Maximum flow / hour	300 Liter	79 Gallone
11	Druck Minimum	70 kPa	10 PSI
12	Druck maximal	100 kPa	15 PSI
13	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
14	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
15	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz or 50 Hz	1 Ø 115 VAC 60 Hz or 50 Hz
16	Unit power consumption	605 watts 60 Hz or 480 watts 50 Hz	605 watts 60 Hz or 480 watts 50 Hz

Verbindungen		Metrisch	Kaiserlich
17	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
18	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
19	weight	29.9 Kg	65.9 lbs.
20	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
21	Shipping weight	32.9 Kg	73 lbs.
Bemerkungen			
22	Other remarks	 Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft)	
		 Storage temperature from - 20 °C to 60 °C (0°F to 140 °F)	
		 unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	

industrial oxygen concentrator specs 5 lpm 200v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 5 LPM 200V	industrial oxygen concentrator 5 LPM 200V
Umgebung		Metrisch	Kaiserlich
2	Ambient temperature minimum	10 °C	50 °F
3	Ambient temperature maximum	40 °C	104 °F
4	Relative humidity minimum	15 %	15 %
5	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
6	Minimum flow / minute	2.0 Liter	0.5 Gallone
7	Maximum flow / minute	5.0 Liter	1.3 Gallone
8	Minimum flow / hour	120 Liter	32 Gallone
9	Maximum flow / hour	300 Liter	79 Gallone
10	Druck Minimum	70 kPa	10 PSI
11	Druck maximal	100 kPa	15 PSI
12	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
13	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
14	Unit phase Ø voltage	1 Ø 200 VAC 60 Hz or 50 Hz	1 Ø 200 VAC 60 Hz or 50 Hz
15	Unit power consumption	580 watts 60 Hz or 450 watts 50 Hz	580 watts 60 Hz or 450 watts 50 Hz

Verbindungen		Metrisch	Kaiserlich
16	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
17	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
18	weight	29.9 Kg	65.9 lbs.
19	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
20	Shipping weight	32.9 Kg	73 lbs.

industrial oxygen concentrator specs 5 lpm 230v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 5 LPM 230V	industrial oxygen concentrator 5 LPM 230V
2	Model number	oxiti-05-230	oxiti-05-230
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F
4	Ambient temperature maximum	40 °C	104 °F
5	Relative humidity minimum	15 %	15 %
6	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
7	Minimum flow / minute	1.0 Liter	0.3 Gallone
8	Maximum flow / minute	5.0 Liter	1.3 Gallone
9	Minimum flow / hour	60 Liter	16 Gallone
10	Maximum flow / hour	300 Liter	79 Gallone
11	Druck Minimum	70 kPa	10 PSI
12	Druck maximal	100 kPa	15 PSI
13	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
14	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
15	Unit phase Ø voltage	1 Ø 230 VAC 50 Hz or 60 Hz	1 Ø 230 VAC 50 Hz or 60 Hz
16	Unit power consumption	495 watts 50 Hz or 640 watts 60 Hz	495 watts 50 Hz or 640 watts 60 Hz

Verbindungen		Metrisch	Kaiserlich
17	Gas inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
Abmessungen & Gewicht		Metrisch	Kaiserlich
18	Abm. (B) x (T) x (H)	460 x 444 x 700 mm	18.1 x 17.5 x 27.6 Zoll
19	weight	29.9 Kg	65.9 lbs.
20	Shipping dim. (w)x(d)x(h)	60 x 57 x 80 cm	24 x 22 x 31 Zoll
21	Shipping weight	32.9 Kg	73 lbs.

industrial oxygen concentrator specs 1

lpm 100v

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 1 LPM 100V	industrial oxygen concentrator 1 LPM 100V
Umgebung		Metrisch	Kaiserlich
2	Ambient temperature minimum	10 °C	50 °F
3	Ambient temperature maximum	40 °C	104 °F
4	Relative humidity minimum	15 %	15 %
5	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
6	Minimum flow / minute	0.1 Liter	0.0 Gallone
7	Maximum flow / minute	1.0 Liter	0.3 Gallone
8	Minimum flow / hour	6.0 Liter	1.6 Gallone
9	Maximum flow / hour	60 Liter	16 Gallone
10	Druck	75 kPa	11 PSI
11	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
12	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
13	Unit phase Ø voltage	1 Ø 100 VAC 50/60 Hz	1 Ø 100 VAC 50/60 Hz
14	Unit power consumption	135 watts	135 watts
Verbindungen		Metrisch	Kaiserlich
15	Gas inlet	6 mm push to connect fitting or 1/4" on request	6 mm push to connect fitting or 1/4" on request

Abmessungen & Gewicht		Metrisch	Kaiserlich
16	Abm. (B) x (T) x (H)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 Zoll
17	weight	14 Kg	30.9 lbs.
18	Shipping dim. (w)x(d)x(h)	43 x 65 x 48 cm	17 x 26 x 19 Zoll
19	Shipping weight	16 Kg	35 lbs.
Bemerkungen			
20	Other remarks	✓ Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft) ✓ Storage temperature from - 20 °C to 60 °C (0°F to 140 °F) ✓ unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	

industrial oxygen concentrator specs 1

lpm 115v 60hz

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 1 LPM 115V 60Hz	industrial oxygen concentrator 1 LPM 115V 60Hz
2	Model number	oxiti-01-115/60	oxiti-01-115/60
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F
4	Ambient temperature maximum	40 °C	104 °F
5	Relative humidity minimum	15 %	15 %
6	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
7	Minimum flow / minute	0.1 Liter	0.0 Gallone
8	Maximum flow / minute	1.0 Liter	0.3 Gallone
9	Minimum flow / hour	6.0 Liter	1.6 Gallone
10	Maximum flow / hour	60 Liter	16 Gallone
11	Druck	75 kPa	11 PSI
12	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
13	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
14	Unit phase Ø voltage	1 Ø 115 VAC 60 Hz	1 Ø 115 VAC 60 Hz
15	Unit power consumption	135 watts 60 Hz	135 watts 60 Hz
Verbindungen		Metrisch	Kaiserlich
16	Gas inlet	6 mm push to connect fitting or 1/4" on request	6 mm push to connect fitting or 1/4" on request

Abmessungen & Gewicht		Metrisch	Kaiserlich
17	Abm. (B) x (T) x (H)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 Zoll
18	weight	14 Kg	30.9 lbs.
19	Shipping dim. (w)x(d)x(h)	36 x 61 x 46 cm	14 x 24 x 18 Zoll
20	Shipping weight	16 Kg	35 lbs.
Bemerkungen			
21	Other remarks	✓ Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft) ✓ Storage temperature from - 20 °C to 60 °C (0°F to 140 °F) ✓ unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	

industrial oxygen concentrator specs 1

lpm 220v 50hz

Beschreibung		Metrisch	Kaiserlich
1	Model name	industrial oxygen concentrator 1 LPM 220V 50Hz	industrial oxygen concentrator 1 LPM 220V 50Hz
2	Model number	oxiti-01-220/50	oxiti-01-220/50
Umgebung		Metrisch	Kaiserlich
3	Ambient temperature minimum	10 °C	50 °F
4	Ambient temperature maximum	40 °C	104 °F
5	Relative humidity minimum	15 %	15 %
6	Relative humidity maximum	95 %	95 %
Gas		Metrisch	Kaiserlich
7	Minimum flow / minute	0.1 Liter	0.0 Gallone
8	Maximum flow / minute	1.0 Liter	0.3 Gallone
9	Minimum flow / hour	6.0 Liter	1.6 Gallone
10	Maximum flow / hour	60 Liter	16 Gallone
11	Druck	75 kPa	11 PSI
12	Gas quality	87% to 96% Oxygen	87% to 96% Oxygen
13	Gas remark	ambient air	ambient air
Elektrisch		Metrisch	Kaiserlich
14	Unit phase Ø voltage	1 Ø 220 VAC 50 Hz	1 Ø 220 VAC 50 Hz
15	Unit power consumption	135 watts 50 Hz	135 watts 50 Hz
Verbindungen		Metrisch	Kaiserlich
16	Gas inlet	6 mm push to connect fitting or 1/4" on request	6 mm push to connect fitting or 1/4" on request

Abmessungen & Gewicht		Metrisch	Kaiserlich
17	Abm. (B) x (T) x (H)	270 x 550 x 450 mm	10.6 x 21.7 x 17.7 Zoll
18	weight	14 Kg	30.9 lbs.
19	Shipping dim. (w)x(d)x(h)	43 x 65 x 48 cm	17 x 26 x 19 Zoll
20	Shipping weight	16 Kg	35 lbs.
Bemerkungen			
21	Other remarks	✓ Altitude 21 degrees up to 1500 meter (5000 ft) without degradation, contact us for more information regarding 1,500 m to 4,000 m (5,000 - 13,000 ft) ✓ Storage temperature from - 20 °C to 60 °C (0°F to 140 °F) ✓ unprotected or inadequately ventilated environment or improper control power may cause damage to the oxygen concentrator and is not covered under warranty.	