



Product Range - SC Series



Compressors | Purification | Storage | Filling Panels | Nitrox/Trimix

High performance and economic high pressure solutions
Made in Germany

Lenhardt & Wagner

Back in 1980 the L&W co-founder Bernd Wagner realized the lack of alternative high-pressure solutions within the market. He started to do repair and service work on all types of high pressure devices and furthermore offered rebuilt compressor units for sale. On his next step he managed to incorporate various improvements on existing models and as a consequence founded his own brand. The aim was to create a new range of technically advanced and affordable solutions.

Decades of experience and real quality products made Lenhardt & Wagner GmbH one of the most known and respected brands within the high-pressure industry.

If compressor units, filtration systems, storage banks, filling panels or air quality control systems, we can offer the right solutions at right price.

Mobile, compact, stationary and sound isolated compressor units with plenty of customer orientated and useful options.

Our flexible and fast acting customer service is also one of our main benefits. If you need support in calculating and choosing the right components for your business or servicing and repairing your existing gear, please ask for advice. Our customized solutions will always equally match your requirements and ensure first class investment.

We are pleased to make you an individual offer.



High pressure solutions made by L&W.

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Certified L&W Quality

L&W delivers high-pressure compressors and the complementary modules for purification, storage and filling of breathing air. Highest quality and continuous development and improvement of our products are our most significant target in the implementation of our daily tasks. Therefore, we meet all EU requirements as a standard and are certified to DIN ISO 9001. On requested, our products could also be certified by other authorities such as TÜV, Germanischer Lloyd, DNV, GOST, UDT or ABS.

In the field of air supply, we serve a broad range of users, such as firefighters in action, sports and professional divers. These customers must be able to trust unconditionally in the exercise of their activities on the quality and safety of our products.

Our employees are aware of their responsibilities and they have the task to reach with expertise and experience the

enormous needs of the market. Through continuous in-house quality control we face new challenges every day.

L&W Network

In all parts of the world our customers appreciate reliability and our full support. Our products offer the maximum in durability and ease of maintenance. Low operating costs and excellent value for money are as a matter of course for L&W. Through our worldwide dealer network, our customers can always count on superb service and excellent support. A special offer from L&W are the personal training sessions that are conducted in specially equipped training facilities in our company. In this training, our customers learn the proper use and independent maintenance with our products.



Germanischer Lloyd



High pressure solutions by L&W



Purification

Purification with refrigeration dryers or with filter towers.



Compressors

From 100 - 1300 l / min, in sound insulated versions 230 - 700 l / min. With an operating noise level of only 61 - 65 dB(A) at 1 m distance - we are the market leader.

Auto filling selector

Ensures the perfect combination of compressor, storage cylinder and filling panel and enables an optimised, economic use of your system.



Puracon Breathing Air Monitoring

The professional solution for the continuous monitoring of Humidity + CO + CO₂ + O₂ + VOC.



Nitrox/Trimix

Gas blending panels incl. TÜV approval for low cost Nitrox/Trimix fillings.



Filling panels

For 200, 232 or 300 bar filling operation with user-friendly lever operated filling valves and noise reduced venting. All filling panels are available in stainless steel.

Storage and storage management

For fast filling operation during peak hours, we recommend storage cylinders with automatic storage control. Numbers of storage tanks on request.

LW SC-300 E / LW SC-350 E

L&W offers quality at an unbeatable price-performance ratio with the Super Charger Series.

Our SC models are ideal for diving, sport shooters and fire services.

The multitude of possible options, the Super Chargers offers an all-round carefree package.

All models focus on high reliability, easy to operate and customized equipment.



LW SC-300 E / LW SC-350 E

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Automatic condensate drain with pressure free start/stop
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » 2 x Filling hose c/w filling valve
- » Motor protection switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 3 x concentric suction/pressure valves
- » Filter housing for 1.7 l filter cartridges (LW SC-300 E as option)
- » Filling pressure to your choice (200 or 300 bar)
- » Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification an accordance to EN 12021

Options

- » Auto start system
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Up to 2 additional filling hoses available
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-300 E	LW SC-350 E
Type:	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	300 / 18 / 10.6	350 / 21 / 12.4
Max. Pressure [bar]:	350	350
RPM [1/min]:	1270	1495
No of cylinders / No of stages:	3 / 3	3 / 3
Prime mover type:	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	7.5 / 9.0	7.5 / 9.0
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	2250 / 2700	2250 / 2700
Lubrication type:	Oil pump + Splash oil	Oil pump + Splash oil
Oil capacity [litre]:	1.8	1.8
Oil pressure [bar]:	0.6 - 4.0	0.6 - 4.0
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	500 (at +20°C / approx. 28 h)	900 (at +20°C / approx. 43 h)
Dimensions W x D x H [mm]:	1060 x 600 x 1000	1060 x 600 x 1000
Weight [kg]:	240	240
Noise level (measured at 1 m) [dB(A)]:	83	83

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-400 E / LW SC-480 E / LW SC-550 E

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LW SC-400 E / LW SC-480 E / LW SC-550 E

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel c/w start/stop and condensate test buttons, as well as emergency stop switch
- » 4x Filling hose c/w filling valve
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 3 concentric suction/pressure valves
- » Filling pressure of your choice (200 or 300 bar)
- » Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification an accordance to EN 12021

Options

- » Auto start system
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Indicator light - service interval
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-400 E	LW SC-480 E	LW SC-550 E
Type:	Air cooled piston compressor	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	400 / 24 / 14.1	480 / 28.8 / 17	550 / 33 / 19.4
Max. Pressure [bar]:	350	350	350
RPM [1/min]:	900	1015	1250
No of cylinders / No of stages:	3 / 3	3 / 3	3 / 3
Prime mover type:	E-Motor	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	11.0 / 13.2	11.0 / 13.2	11.0 / 13.2
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	3300 / 3960	3300 / 3960	3300 / 3960
Lubrication type:	Oil pump	Oil pump	Oil pump
Oil capacity [litre]:	2.7	2.7	2.7
Oil pressure [bar]:	1.5 (+/- 0.2)	1.5 (+/- 0.2)	1.5 (+/- 0.2)
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	900 (at +20°C / approx. 37.5 h)	900 (at +20°C / approx. 31.25 h)	900 (at +20°C / approx. 27 h)
Dimensions W x D x H [mm]:	1540 x 730 x 1020	1540 x 730 x 1020	1540 x 730 x 1020
Weight [kg]:	350	352	370
Noise level (measured at 1 m) [dB(A)]:	82	83	83

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-600 E / LW SC-680 E / LW SC-750 E

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LW SC-600 E / LW SC-680 E / LW SC-750 E

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Heavy duty compressor block components
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel c/w start/stop and condensate test buttons, as well as emergency stop switch
- » 4x Filling hose c/w filling valve
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and oil sieve
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 4 concentric suction/pressure valves
- » Filter housing for 2.3 l filter cartridges (LW SC-600 E as option)
- » Filling pressure of your choice (200 or 300 bar)
- » Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification in accordance to EN 12021

Options

- » Auto start system
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Oil temperature display with auto shut down
- » Indicator light - service interval
- » Cylinder head temperature monitoring with auto shut down
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Power cable and plug
- » Air Cooler connection kit
- » Special voltages / frequencies on request

Technical Data

	LW SC-600 E	LW SC-680 E	LW SC-750 E
Type:	Air cooled piston compressor	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	600 / 36 / 21.2	680 / 40.8 / 24	750 / 45 / 26.5
Max. Pressure [bar]:	350 / 420	350 / 420	350 / 420
RPM [1/min]:	940	1060	1170
No of cylinders / No of stages:	4 / 4	4 / 4	4 / 4
Prime mover type:	E-Motor	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	15.0 / 18.0	15.0 / 18.0	15.0 / 18.0
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	4500 / 5400	4500 / 5400	4500 / 5400
Lubrication type:	Oil pump	Oil pump	Oil pump
Oil capacity [litre]:	2.9	2.9	2.9
Oil pressure [bar]:	2.0 (+/- 0.1)	2.0 (+/- 0.1)	2.0 (+/- 0.1)
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	900 (at +20°C / approx. 25 h)	1200 (at +20°C / approx. 29.4 h)	1200 (at +20°C / approx. 26.7 h)
Dimensions W x D x H [mm]:	1540 x 820 x 1032	1360 x 820 x 1032	1540 x 820 x 1032
Weight [kg]:	398	405	405
Noise level (measured at 1 m) [dB(A)]:	82.7	83	83

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-800 E / LW SC-900 E

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LW SC-800 E / LW SC-900 E

Specifications

- » Electro motor
- » Powder coated steel frame (RAL 7016)
- » Powder coated steel fan guard (RAL 7016)
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Inclusive a remote control box for wall mounting
- » Main-, Start/Stop- and condensate test buttons, as well as emergency stop switch
- » Hour counter
- » Oil pressure gauge
- » Oil pressure monitoring c/w auto shut down
- » High pressure outlet with 1500 mm hose
- » Motor protection switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 4 x concentric suction/pressure valves
- » Additional Filter housing for 2.3 l filter cartridges (LW SC-800 E as option)
- » Filling pressure of your choice (200 or 300 bar)
- » Breathing air purification in accordance to EN 12021

Options

- » Auto start system
- » Oil temperature display with auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » Intermediate pressure gauges
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Indicator light - service interval
- » Ambient temperature monitoring
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-800 E	LW SC-900 E
Type:	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	800 / 48 / 28.3	900 / 54 / 31.8
Max. Pressure [bar]:	350	350
RPM [1/min]:	950	1260
No of cylinders / No of stages:	4 / 4	4 / 4
Prime mover type:	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	18.5 / 22.2	18.5 / 22.2
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	5550 / 6660	5550 / 6660
Lubrication type:	Oil pump + Splash oil	Oil pump + Splash oil
Oil capacity [litre]:	5	5
Oil pressure [bar]:	4.0 (+/- 0.5)	4.0 (+/- 0.5)
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	1200 (at +20°C / approx. 25 h)	2400 (at +20°C / approx. 44.4 h)
Dimensions W x D x H [mm]:	1670 x 770 x 1170	1670 x 770 x 1170
Weight [kg]:	600	625
Noise level (measured at 1 m) [dB(A)]:	88	88

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-180 ES / LW SC-250 ES

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All models focus on high reliability, easy to operate and customized equipment.



Figure with following options:

2 additional filling hoses and parallel filling pressures

LW SC-180 ES / LW SC-250 ES

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Sound insulated housing
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Main-, Start/Stop- and condensate test buttons, as well as emergency stop switch
- » 2 x Filling hose and filling valve
- » Safety switch
- » Pressure maintaining and non return valve
- » Alle Kolben mit Stahlkolbenringen
- » Oil- / Water separators after 2nd and 3rd stage
- » Safety valves after each stage
- » 3 x concentric suction/pressure valves
- » Maintenance door on both sides
- » Filling pressure to your choice (200 or 300 bar)
- » Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification an accordance to EN 120211

Options

- » Auto start system
- » Up to 2 additional filling hoses available
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Indicator light - service interval
- » Ambient temperature monitoring
- » Motor protection switch
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Low pressure oil pump and filter
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » 1.7 l Filter housing (Filter capacity: 900 m³ at +20°C)
- » Puracon filter monitoring (Auto shut down also available)
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » CEE plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-180 ES	LW SC-250 ES
Type:	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	180 / 10.8 / 5.3	250 / 15 / 8.8
Max. Pressure [bar]:	350	350
RPM [1/min]:	1505	1710
No of cylinders / No of stages:	3 / 3	3 / 3
Prime mover type:	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	4.0 / 4.8	5.5 / 6.6
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	1200 / 1400	1650 / 1980
Lubrication type:	Splash oil (oil pump as option)	Splash oil (oil pump as option)
Oil capacity [litre]:	0.8	0.8
Oil pressure [bar]:	0.6 - 4.0	0.6 - 4.0
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	500 (at +20°C / approx. 46,3 h)	500 (at +20°C / approx. 33,3 h)
Dimensions W x D x H [mm]:	816 x 1106 x 1326	816 x 1106 x 1326
Weight [kg]:	263	265
Noise level (measured at 1 m) [dB(A)]:	61	61

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-300 ES / LW SC-350 ES

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All models focus on high reliability, easy to operate and customized equipment.



Figure with following options:

2 additional filling hoses and parallel filling pressures

LW SC-300 ES / LW SC-350 ES

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Sound insulated housing
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » 2 x Filling hose and filling valve
- » Motor protection switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators after 2nd and 3rd stage
- » Safety valves after each stage
- » 3 x concentric suction/pressure valves
- » 1.7 l Filter housing (Filter capacity: 900 m³ at +20°C) (LW SC-300 ES as option)
- » Filling pressure to your choice (200 or 300 bar)
- » Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification in accordance to EN 12021

Options

- » Auto start system
- » Up to 2 additional filling hoses available
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Indicator light - service interval
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Oil temperature display with auto shut down
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-300 ES	LW SC-350 ES
Type:	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	300 / 18 / 10.6	350 / 21 / 12.4
Max. Pressure [bar]:	350	350
RPM [1/min]:	1270	1495
No of cylinders / No of stages:	3 / 3	3 / 3
Prime mover type:	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	7.5 / 9.0	7.5 / 9.0
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	2250 / 2700	2250 / 2700
Lubrication type:	Oil pump + Splash oil	Oil pump + Splash oil
Oil capacity [litre]:	1.8	1.8
Oil pressure [bar]:	0.6 - 4.0	0.6 - 4.0
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	500 (at +20°C / approx. 27.5 h)	900 (at +20°C / approx. 43 h)
Dimensions W x D x H [mm]:	760 x 1030 x 1630	760 x 1030 x 1630
Weight [kg]:	328	331
Noise level (measured at 1 m) [dB(A)]:	62	62

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-400 ES / LW SC-480 ES / LW SC-550 ES

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LW SC-400 ES / LW SC-480 ES / LW SC-550 ES

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Sound insulated housing
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » 3 x concentric suction/pressure valves
- » Low pressure oil pump and filter
- » Oil- / Water separators after each stage
- » Safety valves after each stage
- » Maintenance door on both sides
- » High pressure outlet with 3000 mm hose
- » Filling pressure of your choice (200 or 300 bar)
- » Breathing air purification in accordance to EN 12021

Options

- » Auto start system
- » Up to 6 additional hoses available
- » 4- fold filling panel installed at front door
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Indicator light - service interval
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » 2.3 l Filter housing (Filter capacity: 1200 m³ at +20°C)
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-400 ES	LW SC-480 ES	LW SC-550 ES
Type:	Air cooled piston compressor	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	400 / 24 / 14.1	480 / 28.8 / 17	550 / 33 / 19.4
Max. Pressure [bar]:	350	350	350
RPM [1/min]:	800	1100	1250
No of cylinders / No of stages:	3 / 3	3 / 3	3 / 3
Prime mover type:	E-Motor	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	11.0 / 13.2	11.0 / 13.2	11.0 / 13.2
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	3300 / 3960	3300 / 3960	3300 / 3960
Lubrication type:	Oil pump	Oil pump	Oil pump
Oil capacity [litre]:	2.7	2.7	2.7
Oil pressure [bar]:	1.5 (+/- 0.2)	1.5 (+/- 0.2)	1.5 (+/- 0.2)
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	900 (at +20°C / approx. 37.5 h)	900 (at +20°C / approx. 31.25 h)	900 (at +20°C / approx. 27,3 h)
Dimensions W x D x H [mm]:	860 x 1600 x 2000	860 x 1260 x 1800	860 x 1260 x 1800
Weight [kg]:	447	450	454
Noise level (measured at 1 m) [dB(A)]:	70	71	72

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

LW SC-600 ES / LW SC-680 ES / LW SC-750 ES

L&W offers quality at an unbeatable price-performance ratio with the Super Charger Series.

Our SC models are ideal for diving, sport shooters and fire services.

The multitude of possible options, the Super Chargers offers an all-round carefree package.

All models focus on high reliability, easy to operate and customized equipment.



LW SC-600 ES / LW SC-680 ES / LW SC-750 ES

Specifications

- » Electro motor
- » Powder coated steel housing (RAL 7016)
- » Sound insulated housing
- » Heavy duty compressor block components
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators after each stage
- » Safety valves after each stage
- » Maintenance doors on both sides
- » 4 concentric suction/pressure valves
- » 2.3 l Filter housing (Filter capacity: 1200 m³ at +20°C) (LW SC-600 ES as option)
- » High pressure outlet with 1500 mm hose
- » Filling pressure of your choice (200 or 300 bar)
- » Breathing air purification an accordance to EN 12021

Options

- » Auto start system
- » Up to 6 additional hoses available
- » 4- fold filling panel installed at front door
- » 200 and 300 bar parallel filling pressures
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Ambient temperature monitoring
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Indicator light - service interval
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Air Cooler connection kit
- » Power cable and plug
- » Special voltages / frequencies on request

Technical Data

	LW SC-600 ES	LW SC-680 ES	LW SC-750 ES
Type:	Air cooled piston compressor	Air cooled piston compressor	Air cooled piston compressor
Charging rate * [litre/min] / [Nm ³ /h] / [cfm]:	600 / 36 / 21.2	680 / 40.8 / 24	750 / 45 / 26.5
Max. Pressure [bar]:	350	350	350
RPM [1/min]:	940	1060	1170
No of cylinders / No of stages:	4 / 4	4 / 4	4 / 4
Prime mover type:	E-Motor	E-Motor	E-Motor
Drive power [kW] with 50 Hz / 60 Hz:	15.0 / 18.0	15.0 / 18.0	15.0 / 18.0
Cooling air req. [m ³ /h] with 50 Hz / 60 Hz:	4500 / 5400	4500 / 5400	4500 / 5400
Lubrication type:	Oil pump	Oil pump	Oil pump
Oil capacity [litre]:	2.9	2.9	2.9
Oil pressure [bar]:	1.5 (+/- 0.2)	1.5 (+/- 0.2)	1.5 (+/- 0.2)
Operating temperature [°C]:	+5°C to +45°C	+5°C to +45°C	+5°C to +45°C
Filter capacity [m ³ at +20°C] ¹⁾ :	900 (at +20°C / approx. 25 h)	1200 (at +20°C / approx. 29.4 h)	1200 (at +20°C / approx. 26.7 h)
Dimensions W x D x H [mm]:	860 x 1260 x 1800	860 x 1260 x 1800	860 x 1260 x 1800
Weight [kg]:	542	552	552
Noise level (measured at 1 m) [dB(A)]:	70	72	75

* Measured by tank filling (10 l) from 0 - 200 bar, ± 5% ¹⁾ In accordance with EN 12021

Customer reference list

Automotive

- » Audi AG
- » BMW AG
- » Daimler AG
- » Volkswagen AG

Army

- » Marinestützpunktkommando Kiel
- » Wehrtechnische Dienststelle Eckernförde
- » Mobile Atemschutz-Container für diverse Krisengebiete

Natural gas + Biogas

- » Tankstellen in Deutschland, Niederlande, Belgien, Tschechien, Österreich
- » Biogasanlagen in Deutschland u. Österreich

Fire department

- » Dräger AG
- » MSA

Technical gases

- » Air Liquide
- » Linde AG
- » Westfalen AG

Industry

- » ABS - Lawinenairbags
- » AIRCO SystemDruckluft GmbH
- » BASF SE
- » Bilfinger SE
- » Gardner Denver, Ltd.
- » Maximator GmbH
- » ThyssenKrupp Marine Systems GmbH

Universities + Hospitals + Schools

- » HBO Zentrum Euregio Aachen
- » Luft u. Raumfahrtzentrum Köln
- » RWTH – Aachen
- » Staatliche Lehr u. Versuchsanstalt Heidelberg
- » Universität Mainz
- » Universität Stuttgart
- » Universität Köln
- » Uniklinikum Regensburg

Electricity / Gas supplier

- » E.ON Kraftwerke GmbH
- » Evonik Degussa
- » Evonik Industries
- » Kernkraftwerk Isar
- » Kernkraftwerk Philippsburg
- » RWE Power AG

Maritime

- » AIDA Cruises
- » Carnival Cruise Line
- » Costa Crociere S.p.A.
- » MSC Cruises
- » Sunseeker International

Various

- » Aqua Lung
- » GREENPEACE
- » National Geographic Society
- » Sauer & Sohn Kiel
- » Walter AG
- » ZDF Mainz



Seminars / Training courses at L&W

In our training courses we teach you the basics for the knowledgeable and reliable handling of our compressors and filling devices. You will receive practical skills that allow you to expand your skills in terms of compression technology and air conditioning essential.

All participants will receive a certificate of participation. Participation in the trainings enable you to hold regular training of personnel in accordance with the provisions of the BG.

For questions about our training, please contact:

Lenhardt & Wagner GmbH

Mrs. Kerstin Stippel

An der Tuchbleiche 39

68623 Hüttenfeld / Germany

Phone: +49 (0)62 56 / 8 58 80 -21

Fax: +49 (0)62 56 / 8 58 80 -14

eMail: kstippel@lw-compressors.com

Compressor Seminar

max. 24 persons, duration: approx. 7h

In this seminar, the basics of the following topics are covered in theory:

- » Compressor technology, maintenance, troubleshooting
- » Legal Notices
- » Air conditioning and air quality testing
- » Production and use of Nitrox

The seminar also includes instruction for filling high pressure cylinders.





L&W - World Wide

Our worldwide network of dealers and service centers.



Compressors | Purification | Storage | Filling Panels | Nitrox/Trimix

Lenhardt & Wagner GmbH

An der Tuchbleiche 39
68623 Hüttenfeld / Germany

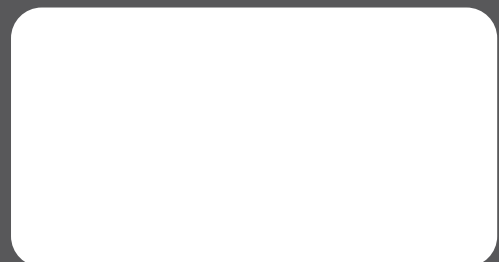
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Current product range as pdf



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