

SCREW COMPRESSOR

7.5 / 10 / 13 / 15 BAR, OIL-INJECTED, V-BELT DRIVE

The oil-injected, V-belt driven MONSUN series is available in four pressure ratings in the power range from 4 to 75 KW. The application possibilities of the MONSUN screw compressors are

almost limitless and as individual as the available versions.

- + BAFA promotion possible
- + Made in Germany, made by Blitz
- + Maintenance-friendly openness
- + Silent efficiency - quiet, efficient operation
- + Models up to 15 bar available

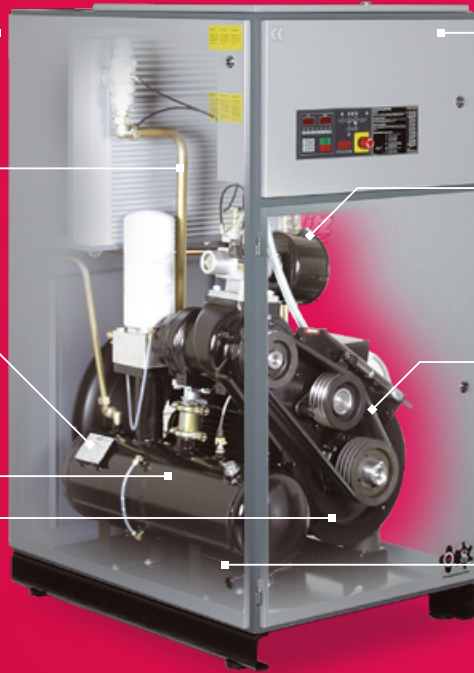
All side panels are removable. Maintenance work can be done comfortably and downtimes can be kept to a minimum.

Fix tubing: The secure FLEX piping guarantees a tight fit in every situation.

Visual oil level indicator: The regular oil level check is easily possible with the MONSUN screw compressors.

Multi-stage air / oil separation: cyclone separators, gravity separation and filtration result in an excellent air quality with a residual oil content of approx. 2-4 mg/m³.

Driven with reserves: MONSUN screw compressors include the use of IP55-tested IE3 electric motors. The ISO F winding offers safe power reserves.



Through a variety of fluidic detail solutions, the operating noise is reduced to a minimum – standard.

Two-stage suction filtration: The protection from penetrating foreign bodies is taken over by a cyclone separator, followed by fine filtration.

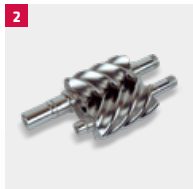
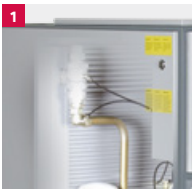
The flexible belt drive can achieve different pressures. In addition, a soft start-up is possible, as resulting starting torques are effectively cushioned.

The integrated oil pan prevents unintended waste oil from being distributed into the environment.

Illustration shows Monsun 4-37 kW



HIGHLIGHTS IN DETAIL



- 1** Aluminum compact cooler: The combination design combines oil and air cooling in one assembly. Cleaning is made even easier thanks to the easy-to-use placement.
- 2** Robust compressor stage: The performance-optimized BLITZ compressor stage with asymmetric screw profile combines high reliability with long service life.
- 3** External fine separator: Generously dimensioned fine separator cartridges reduce unwanted internal pressure losses. A change is possible within seconds.
- 4** Tailor-made: MONSUN screw compressors are also available in customer-specific versions.

MONSUN

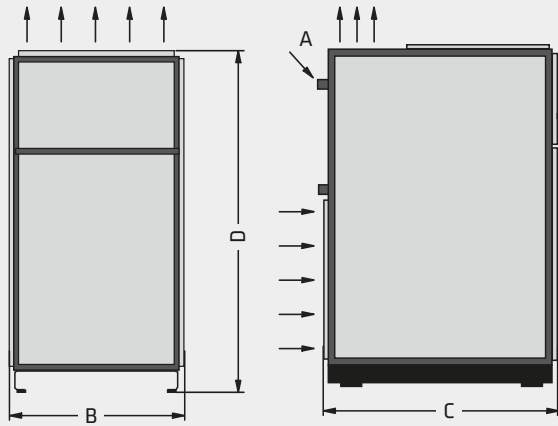
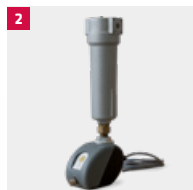
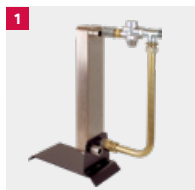


Illustration shows Monsoon 4-37 kW

Model	MONSUN				
	4	5,5	7,5	11	15
Engine power (kW)	7,5 - 10 - 13	7,5 - 10 - 13 - 15	10 - 13 - 15	7,5 - 10 - 13 - 15	10 - 13 - 15
Max. pressure (bar)	0,53-0,42-0,33	0,78-0,66-0,52-0,46	0,89-0,75-0,70	1,75-1,48-1,15-1,12	2,08 - 1,66 - 1,52
A Compressed air connection	1/2"	1/2"	1/2"	1"	1"
Power supply (V/Hz)	400/50	400/50	400/50	400/50	400/50
Noise level without acoustic hood	68 dB	68 dB	69 dB	71 dB	73 dB
Noise level with noise cover	62 dB	63 dB	64 dB	66 dB	68 dB
B Dimensions without acoustic hood (W)	695 mm	695 mm	695 mm	695 mm	695 mm
C Dimensions without acoustic hood (D)	650 mm	650 mm	650 mm	805 mm	805 mm
D Dimensions without acoustic hood (H)	1060 mm	1060 mm	1060 mm	1170 mm	1170 mm
B Dimensions with acoustic hood (W)	695 mm	695 mm	695 mm	695 mm	695 mm
C Dimensions with acoustic hood (D)	900 mm	900 mm	900 mm	1055 mm	1055 mm
D Dimensions with acoustic hood (H)	1260 mm	1260 mm	1260 mm	1370 mm	1370 mm
Weight without acoustic hood	264 kg	265 kg	270 kg	334 kg	346 kg
Weight with acoustic hood	304 kg	305 kg	310 kg	374 kg	386 kg

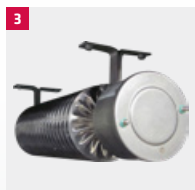
Volume flow of entire installation according to ISO 1217 2009, Annex C: Absolute inlet pressure 1 bar (a) Cooling and air inlet temperature 20 °C
Sound pressure level according to ISO 2151 and basic standard ISO 9614-2, tolerance ± 3 dB (A)

ACCESSORIES



1 Heat recovery for heating domestic water or heating water with plate heat exchanger, incl. control, and mounting and installation material, complete internal piping.

2 Cyclone separator, water separator combined with electronic level. Controlled steam trap.



3 Auxiliary heating, self-adjusting heating guarantees trouble-free operation down to -5 degrees C.

4 Top sound insulation.

Further information at BLITZair.eu

HEAT RECOVERY & FILTRATION

HEAT RECOVERY

Reduce your external energy requirements and CO₂ emissions with our optional heat recovery system. The Blitz heat recovery system allows you to use heat converted energy for a variety of applications.

Advantages:

- Heating of rooms or factory halls
- Heating of water in laundries
- Preheating of heating water circuits
- Preheating of combustion air in boilers

FILTRATION

Particular attention to the filtration chain, you also benefit from our almost 100 years of know-how. In a compressor plant air de-oiling elements, air and oil filters work in close cooperation. If one of them does not work properly, the other downstream filter systems will be affected in terms of their

performance and service life. The newly designed vertical oil separation, as a cyclone separator, ensures minimal pressure losses with the lowest residual oil content. The perfect functioning of the system considerably influences the process reliability and the operating costs.

18,5	22	30	37	45	55	75
7,5 - 10 - 13	7,5 - 10 - 13	7,5 - 10 - 13	7,5 - 10 - 13	7,5 - 10 - 13	7,5 - 10 - 13	7,5 - 10 - 13
3,05 - 2,59 - 2,15	3,45 - 3,03 - 2,66	5,01 - 4,35 - 3,64	6,07 - 5,28 - 4,49	7,51 - 6,52 - 5,62	8,82 - 7,76 - 6,72	11,10 - 10,24 - 9,05
1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
400/50	400/50	400/50	400/50	400/50	400/50	400/50
70 dB	72 dB	75 dB	77 dB	77 dB	79 dB	85 dB
66 dB	67 dB	67 dB	69 dB	68 dB	72 dB	74 dB
740 mm	740 mm	815 mm	815 mm	890 mm	890 mm	1000 mm
900 mm	900 mm	1100 mm	1100 mm	1400 mm	1400 mm	1750 mm
1350 mm	1350 mm	1600 mm	1600 mm	1700 mm	1700 mm	1870 mm
740 mm	740 mm	815 mm	815 mm	890 mm	890 mm	1000 mm
1150 mm	1150 mm	1410 mm	1410 mm	1800 mm	1800 mm	2150 mm
1550 mm	1550 mm	1900 mm	1900 mm	2050 mm	2050 mm	2270 mm
433 kg	466 kg	690 kg	710 kg	890 kg	955 kg	1360 kg
478 kg	511 kg	725 kg	745 kg	1060 kg	1120 kg	1580 kg


WELL-THOUGHT-OUT DESIGN

Open from the start: Wherever you look, ease-of-maintenance is a top priority for MONSUN series screw compressors.



PROCON CONTROL

MONSUN series screw compressors are equipped as standard with an integrated microprocessor control. PROCON combines the simplest operation with exceptional performance features. All settings can be conveniently made via a control panel. Various operating modes allow optimal adaptation to existing operational needs.



Automatic restart after power failure.

Switchable remote / local operation.

When the final pressure is reached, PROCON calculates the actual required overrun time. This saves up to 60% of the energy costs during idling.

The pressure sensor ensures precise working in the set pressure range (pressure difference of 0.2 bar possible).

An integrated diagnostic system monitors all safety-relevant operating parameters.

Self-test of the system before each startup.

Service messages remind you of due maintenance (service interval function).

In automatic mode, the motor runs only when necessary.

Potential-free contacts allow the connection of a higher-level network controller.

FOR ALMOST 100 YEARS ...

A SYNONYM FOR COMPRESSED AIR

Compressor construction has a long tradition at Blitz. With nearly 100 years of experience in compressed air and highly dedicated employees, we focus on designing and implementing new compressor and compressed air conditioning technologies.

Innovative ideas, professional implementation, and convincing product quality have established the outstanding reputation of the Blitz compressors and above all ensure one thing: Satisfied customers.

The right offer for your needs: Based on your compressed air requirements, Blitz Kompressoren assembles the right systems and systems in the optimum combination for you.

