

HIGH PERFORMANCE SCREW COMPRESSOR

5-13 BAR, OIL-INJECTED, DIRECT DRIVE, FREQUENCY-CONTROLLED

The frequency-controlled, direct-drive, oil-injected MONSUN Dynamic Series allows volume flow adjustment with constant pressure in a very wide control range. Thus the MONSUN Dynamic

can use its advantages as a single installation as well as in combination.

- + BAFA funding possible
- + Advanced Procon 4.0 touch technology
- + Silent efficiency – quiet efficient operation
- + Maintenance-friendly accessibility
- + Made in Germany, made by Blitz

Maintenance can be done conveniently from the front. The sound-absorbing panels can be removed in seconds.

Through adjustment of the delivery quantity, the fluctuation in the compressed air network ideally can be kept constant below 0.1 bar.

Whisper quiet – Through a variety of fluidic detailed solutions, the operating noise is reduced to a minimum – as standard.

Vibration isolation – Two-stage design reduces vibrations to a minimum.

Without foundation – Setting up is possible without foundation.



Multi-stage oil separation – Vertical gravity separation as a cyclone separator ensures minimal pressure losses with the lowest residual oil content.

Two-stage intake filtration – A cyclone separator with subsequent fine filtration is responsible for the defense against penetrating foreign bodies – guaranteed long filter life.

Visual oil level indicator.



HIGHLIGHTS IN DETAIL



1 The motor and compressor unit is already achieving the motor efficiency levels of the Super Premium Class.

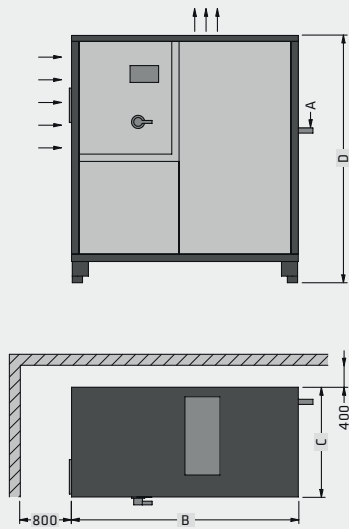
2 Our Radial cooling fans are extremely energy efficient and particularly quiet. A positive factor are the higher available compressions, a blessing especially with connection to exhaust ducts.



3 Prepared for the future: Control cabinet / frequency converter with sufficient reserve space.

4 The built-in oil tray prevents unintentional draining of waste oil into the environment.

MONSUN Dynamic

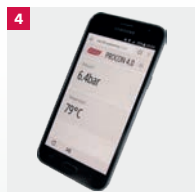
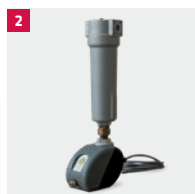
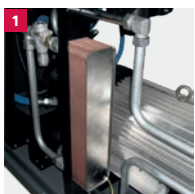


Model	MONSUN DYNAMIC				
	15	18	22	30	30plus
Max. pressure	5-13 bar	5-13 bar	5-13 bar	5-13 bar	5-13 bar
Engine power	15 kW	18 kW	22 kW	30 kW	30 kW
Power supply	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
A Compressed air connection	1"	1"	1"	1"	1 1/4"
Flow capacity	0.5-3.1 m ³ / min.	1.4-4.0 m ³ / min.	1.4-4.6 m ³ / min.	1.4-6.0 m ³ / min.	1.8-6.6 m ³ / min.
Noise level*	68 dB	69 dB	70 dB	71 dB	70 dB
B Width *	1.550 mm	1.550 mm	1.550 mm	1.550 mm	1.960 mm
C Depth*	750 mm	750 mm	750 mm	750 mm	990 mm
D Height*	1.640 mm	1.640 mm	1.640 mm	1.640 mm	1.993 mm
Weight*	510 kg	560 kg	570 kg	590 kg	980 kg

* with noise reduction hood

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 the heating-up of process or heating water with plate heat exchanger incl. control, mounting and installation material, piped and ready for operation
- 2** Cyclone separator, water separator combined with electronically level controlled steam trap
- 3** Anti-condensation heating, self-regulating heating guarantees trouble-free operation down to -10 °C
- 4** Web visualization, PROCON 4.0 online visualization, everything at a glance - instantly shows pressure, temperature and compressor status online

Further information is available a BLITZair.eu

HEAT RECOVERY & FILTRATION

HEAT RECOVERY

Reduce your external energy requirements and CO₂ emissions with our optional heat recovery system integrated into the installation. The Blitz heat recovery system lets you use energy converted to heat for diverse applications.

Benefits:

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

FILTRATION

Particular attention to the filtration chain – you also benefit from our almost 100 years of expertise. In a compressor installation, air / oil separators, air, and oil filters cooperate closely. If one of them operates insufficiently, the other downstream filter systems are impaired in their performance

and life. The newly designed vertical oil separation, as a cyclone separator, assures minimal pressure losses with lowest residual oil content. Correct function of the system influences the process safety and the operating costs considerably.

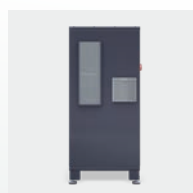
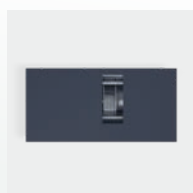
37	45	55	55plus	75	90
5-13 bar	5-13 bar	5-13 bar	5-13 bar	5-13 bar	5-13 bar
37 kW	45 kW	55 kW	55 kW	75 kW	90 kW
400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
1 1/4"	1 1/2"	1 1/2"	1 1/2"	2"	2"
1.8-7.9 m ³ / min.	1.8-9.2 m ³ / min.	1.8-10.0 m ³ / min.	3.7-12.4 m ³ / min.	3.7-16.0 m ³ / min.	3.7-17.2 m ³ / min.
70 dB	71 dB	72 dB	73 dB	74 dB	75 dB
1.960 mm	1.960 mm	1.960 mm	2.000 mm	2.000 mm	2.000 mm
990 mm	990 mm	990 mm	1.485 mm	1.485 mm	1.485 mm
1.993 mm	1.993 mm	1.993 mm	2.005 mm	2.005 mm	2.005 mm
980 kg	1.000 kg	1.050 kg	1.590 kg	1.620 kg	1.650 kg

SPECIFICATION

SOPHISTICATED DESIGN

The supply air is sucked in laterally and the exhaust air exits upwards. This allows space-efficient installation that is ideal for container solutions. Backup installations can be installed mirror-inverted back-to-back. In this way, both compressors

can be connected to one exhaust duct. The installations can be moved from all sides with lift trucks. Maintenance can be done conveniently from the front. The sound-absorbing panels can be removed in seconds.



TOUCH TECHNOLOGY PROCON-4.0

The advantages of the modern touch technology of our new industrial Procon 4.0 control with realistic visualization on color TFT display and most simple, intuitive menu navigation.

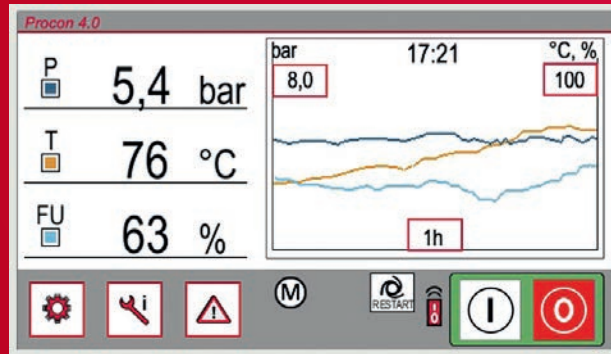
The operation resembles that of a tablet or a smartphone.

Start / Stop presetting thanks to real-time clock with battery backup

Basic indication, status of compressors at a glance

Remote control via programmable inputs

SD card for data recording



Optional connection to web server

Comprehensive statistics about data loggers

Automatic restart after power failure

Active alerts in case of faults

Error memory log

FOR ALMOST 100 YEARS ...

A SYNONYM FOR COMPRESSED AIR

The construction of compressors 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 Blitz compressors and predominantly ensure one goal: Satisfied customers.

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

