



**Worthington
Creyssensac**



**INDUSTRIAL DIRECT DRIVEN
PISTON COMPRESSORS**

BLOCAIR®

BL-BH-BK

BLOCAIR® BL-BH-BK

DIRECT DRIVEN SOLUTION FOR INDUSTRY

PROVEN TECHNOLOGY, SOLID CONSTRUCTION

The BL - BH - BK units are directly driven air-cooled, single or two-stage compressors. In terms of quality, operational safety, service life and operating comfort they provide the standard of the industry.

VERSATILITY

A wide range of products and performance ensure economic solutions for nearly all compressed air needs in the industry. The BL - BH - BK industrial compressors serve as reliable and individual energy sources for machines and plants needing compressed air.

- For extreme operating conditions, in professional and industrial applications.
- For sensitive applications in medical and food technology, drinking water supply, etc.
- For heavy duty running in extreme operating conditions.

DESIGN FEATURES

Pressure Line

Special finned tubes for optimal heat dissipation.
Higher performance.
Cooler compressed air.
Low wear.

Cooling

Optimum cooling through generously dimensioned, high efficiency and heavy cast iron fan, resulting in low vibration and longer bearing lifetime. The special designed cooling fins on cylinders and pipes ensure low temperatures.

Cylinders

Cylinders made of high-quality castings.
Honed in two steps.
Extremely long service life.

Low speed

High quality electric motors.
Designed for industrial continuous operation (approx. 1400 rpm).
Overdimensioned.
Trouble-free operation.



Valve plate

Valves made of high-quality steel. High efficiency.
Minimum flow losses. Especially long service life through reduced stroke.

Pressure regulation

Fully equipped. Pressure switches, high quality (filter) pressure regulators (according to models), safety valve, motor protection, WORTHINGTON quick coupling, unloaded start.

Pressure range

All pressures up to 15 bar are covered, for every requirements.

Spare parts

Spare parts supply guaranteed. We guarantee delivery of all spare parts for any compressor for a minimum of 10 years after production stop.

POWERPACKS

POWERPACK CONFIGURATIONS: compressor with motor

- Direct driven: compact, greater efficiency, no belt maintenance or losses, perfect alignment.
- Oil lubricated and oil free models.
- Single stage and two-stage configurations.
- Proven industrial design.

TECHNICAL DATA

	Pressure		l/min	m ³ /h	HP	kW	Supply	Cylinders	Stages	rpm	Noise level dB(A)	
	bar	psi									standar	silenced
Single stage - 10 bar units												
BL 2A	10	145	185	11,1	2	1,5	M	1	1	1400	76	65
BL 2A	10	145	185	11,1	2	1,5	T	1	1	1400	76	65
BL 3A	10	145	302	18,1	3	2,2	M	2	1	1400	77	66
BL 3A	10	145	302	18,1	3	2,2	T	2	1	1400	77	66
BL 4A	10	145	410	24,6	4	3	T	2	1	1400	77	67
Two-stage - 10 bar units												
BH 2A	10	145	210	12,6	2	1,5	T	2	2	1400	74	61
BH 4A	10	145	446	26,8	4	3	T	2	2	1400	79	67
BH 5A	10	145	600	36,0	5,5	4	T	2	2	1400	79	68
BH 7A	10	145	702	42,12	7,5	5,5	T	2	2	1400	79	67
Two-stage - 15 bar units												
BH 2B	15	218	196	11,8	2	1,5	T	2	2	1400	74	61
BH 4B	15	218	389	23,3	4	3	T	2	2	1400	79	67
BH 5B	15	218	510	30,6	5,5	4	T	2	2	1400	79	67
BH 7B	15	218	603	36,18	7,5	5,5	T	2	2	1400	79	67
Oil free units												
BK 1A	7	102	144	8,6	1,5	1,1	T	1	1	1400	75	62
BK 2A	10	145	205	12,3	2	1,5	T	2	2	1400	74	61
BK 4A	10	145	441	26,5	4	3	T	2	2	1400	79	67
BK 5A	10	145	568	34,1	5,5	4	T	2	2	1400	79	67
BK 7A	10	145	675	40,5	7,5	5,5	T	2	2	1400	79	67

M = 230/1/50, T = 400/3/50. Effective output measured at 8 bar(g) for 10 bar units, 12 bar(g) for 15 bar units. Subject to change without notice.

BL – BH – BK industrial compressors are robust, economical and designed for long lifetime. BH and BK two-stage compressors have interstage cooling to ensure higher efficiency and lower operating temperatures.



BL 2



BL 4



BH 5

Single-stage blocks

- Oil lubricated: BL 2-4
- Oil free: BK 1

Two-stage blocks

- Oil lubricated: BH 2-7
- Oil free: BK 2-7

RANGE DESCRIPTION

Block		Receiver		Pressure	Powerpack	Silenced	Dryer	Voltage	Mobile
BL/BH/BK	(hp)	(Lt)	V	A/B	P	S	T	(V/ph/Hz)	MOBIL
lub 1 st lub 2 st oil free	power hp	vessel liters	vertical vessel	10 bar 15 bar	power pack	with canopy	with dryer	supply	mobile unit

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PISTON COMPRESSORS

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BASE MOUNTED - HORIZONTAL TANK MOUNTED UNITS

COMPRESSOR UNIT ON BASE PLATE

- Used for feeding compressed air tanks in existing stations.
- Complete with a flexible connecting hose, check valve, motor overload protection, rubber pads.
- Options:
 - Pressure switch.
 - High efficiency air inlet filtration (BH / BK 2-7).



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
Type	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Availability	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

COMPRESSOR UNIT ON HORIZONTAL TANK

- Easy to install, ready to run, mounted on a horizontal tank.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - High efficiency air inlet filtration (BH / BK 2-7).
 - Galvanized vessel (standard for BK oil free units).



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
Type	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
50L	X	X	X		X	X								X	X			
90L	X	X	X		X	X			X					X	X			
270L			X		X	X	X	X	X	X	X	X		X	X	X	X	X
500L						X	X	X		X	X	X			X	X	X	

DUPLEX COMPRESSOR UNIT ON HORIZONTAL TANK

- Space-saving and in case of fluctuating air requirement.
- Possibility to cover basic load by one compressor, the second one delivering peak demands.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for BK oil free units).
 - High efficiency air inlet filtration (BH / BK 2-7).
 - Double pressure switch.



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
Type	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
300L	X	X	X		X	X	X	X		X	X			X	X	X		
500L						X	X	X		X	X	X			X	X	X	

SILENCED UNITS

COMPRESSOR UNIT ON BASE PLATE, WITH SILENCING HOOD

- Identical to unit on base plate, but delivered with a silencing hood.
- Delivered with a flexible connecting hose, check valve, motor overload, rubber pads.
- Option:
 - Pressure switch.



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X		X	X	X		X	X	X	X	
Availability	X	X	X		X	X	X	X		X	X	X		X	X	X	X	

COMPRESSOR UNIT ON HORIZONTAL TANK, WITH SILENCING HOOD

- Identical to unit on tank, but delivered with a silencing hood.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for BK oil free units).



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X												X				
50L	X	X			X	X								X	X			
90L			X		X	X			X	X	X			X	X	X		
270L							X	X		X	X				X	X		
500L							X	X		X	X				X	X		

DUPLEX COMPRESSOR UNIT ON HORIZONTAL TANK, WITH SILENCING HOOD

- Identical to duplex unit, but delivered with a silencing hood.
- Options:
 - Rubber pads.
 - Electronic condensate drain.
 - Galvanized vessel (standard for BK oil free units).
 - Double pressure switch.



Range	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Type	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Supply 50Hz	X	X	X		X	X	X	X		X	X			X	X	X		
300L																		
500L						X	X			X	X				X	X		

MOBILE PORTABLE UNITS

MOBILE UNITS ON HORIZONTAL TANK

- Very quiet, two-cylinder direct driven compressors for industrial use.
- High-quality filter regulator.
- 2 professional quick couplings (one reduced and filtered).
- Motor overload protection, safety valve, unloaded start.



Range Type	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
50L	X	X	X	X	X													
90L			X	X	X													
200L					X			X										

24L PORTABLE

- Portable compressor on a 24-litre tank.
- Easy to transport and move around.
- Large wheels.
- High-quality filter regulator.
- 2 professional quick couplings (one pressure reduced and filtered).
- Motor overload protection, safety valve, unloaded start.



Range Type	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
24L		X		X														

TOOL MOBILE

- Mobile job site compressor with 100-litre vertical tank.
- Easy to transport.
- Motor overload protection, safety valve, unloaded start.
- Large wheels.
- High-quality filter regulator.
- Lubricator with 3 separate quick-outlets couplings for unreduced, reduced unoled and reduced oiled compressed air.



Range Type	Single-stage 10 bar				Two-stage 10 bar				Two-stage 15 bar				Oil free units 10 bar					
	BL 2A		BL 3A		BL 4A	BH 2A	BH 4A	BH 5A	BH 7A	BH 2B	BH 4B	BH 5B	BH 7B	BK 1A	BK 2A	BK 4A	BK 5A	BK 7A
Supply 50Hz	400	230	400	230	400	400	400	400	400	400	400	400	400	400	400	400	400	400
100L			X	X	X													

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SHARING OUR VALUES



PARTNERSHIPS

Close working partnerships form the foundation of our corporate culture. This identity has grown from our strength in developing long term partnerships with our distribution and sales networks that have local knowledge and experience to provide a total compressed air solution service, tailored specifically to our customers' requirements. Our business approach has earned us a reputation of trust and loyalty committed to achieving success through partnership.

COMPETENCE

Personnel skill development is a vital part of our success: by a continuous improvement process we improve the ability of our personnel to maintain and improve the service to our customers. We carry this process through to our partner distributors to ensure that we create a motivated and enthusiastic team working together for the benefit of our customers.

EVOLUTION

Our strategy in product and service development is based on continuous improvement of our products and services in order to meet the requirement of the market and our customers. Continued investment in the design of new products and the use of innovating technologies keep our compressed air solutions amongst the most competitive in the industry. This is our mission to guarantee the satisfaction and trust of our customers.

YOUR DISTRIBUTOR



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