



/// NEW SILVER ROTARY SCREW COMPRESSORS

**Performance, simplicity, longevity.
The next generation of low and maintenance
free compressed air solutions.**

Italian technology since 1977 for a choice that lasts over time.

/// FIAC PROFESSIONAL AIR COMPRESSORS

We **are experts in compressed air.**
To ensure you never go **short of air.**
Always **close to your needs.**



Fiac Professional Air Compressors is based in Casalecchio di Reno, in the province of Bologna, and it is specialized in the sale of air compressors for DIY, professional and industrial uses.



*With a history of over forty years, it is a world reference company in the field of compressed air products with production facilities also in Brazil and China. In 2016 the historic Italian brand and Atlas Copco combine their resources, achieving a perfect combination of experience and professionalism of both brands.
In 2019 FIAC Professional Air Compressors S.R.L. was established, which represents the reference Customer Center for FIAC products.*



Thanks to a widespread network of 2000 distributors in Italy and over 600 abroad, Fiac Air Compressors serves customers in 110 countries around the world, operating in the main markets such as Italy, Western and Eastern Europe, North and South America and the Middle East.



Every day FIAC works to develop sustainable products at a high technological level by introducing new products on the market and, through the numerous authorized Assistance Centers, present on Italian and foreign soil, follows customers in a careful and widespread way to provide every type of support.



832-327-7452



sales@silentaire.com

Our technology



/// Air End

The screw element combines optimal running speeds with high efficiency thanks to the appropriate sizing of the rotors, to the design of the profiles and to the perfect choice of the number of lobes with consequent reduction in noise level. The unit's reliability is guaranteed by the oversized load carrying and thrust bearings, by an oil seal ring with double lip that seals the shaft of the driving rotor perfectly and by the oil-injection cooling system.



/// The right solution for each application

Our customers are small producers and big industry, very different needs, irregular and continuous consumption of compressed air. From our experience for over 40 years and a direct communication with our customers, born the huge range of screw compressors, projected to fit better in different situations of use, installation and environmental conditions, by a correct lubrication and temperature.



/// Simple and easy maintenance

The reliability of the components utilized has been exhaustively tested in the production of the NEW SILVER and AIRBLOK series. Their arrangement has been rationalised to ensure easy access in the aim of making maintenance much quicker and cheaper. In collaboration with its highly qualified technical staff, FIAC has developed a scheduled maintenance kit, which comes complete with a detailed service manual in order to make maintenance jobs much quicker and more efficient.

/// Original Spare Parts

Whole components of FIAC screw compressors are designed, produced and selected to supply to our customers machines that lasts over time.

Only genuine spare part, who have passed the most severe tests of quality and performance, can provide the best compressor performance, long life time and minimum cost of your compressed air plant use. Check always that your compressor maintenance must be done by professional and authorized technician and the spare parts are signed Original Part.

Oil-Injected Screw Compressors Fixed Speed

FIAC fixed-speed compressors operate at a constant speed during use, consuming the power required to ensure maximum compressed air output. This solution is ideal for applications with a steady compressed air demand and minimal fluctuations.

Ideal for applications with a constant compressed air demand. The compressor always operates at the same engine speed unless turned off.

More efficient in scenarios with stable compressed air requirements, less suitable for applications with significant peaks or drops.



Constant Speed

They always operate at the same rate, regardless of compressed air demand, ensuring stable and predictable performance.



Full-Load Efficiency

They deliver maximum energy efficiency when operating at full capacity, making them ideal for applications with consistent demand.



Reliability in Stable Conditions

In applications with a constant compressed air demand, fixed-speed compressors operate efficiently and reliably without the need to continuously adjust motor speed.

Full-Load Efficiency

Fixed-speed compressors are more efficient when operating at full capacity, as they are designed to maximize compressed air output with minimal energy consumption under these conditions.

NEW SILVER - NS 3D

*Fixed speed rotary screw compressors |
3 HP | Direct driven |
Electropneumatic control*



/// Key features

Superior performance and efficiency over belt-driven piston compressor

Latest generation compressor screw technology with fully integrated aluminum block and direct drive transmission

Quick, easy and cost-effective maintenance

Space saving design, compact and portable for easy mobility

Low noise and vibration for close point of use (POU) and minimum piping

Plug-and-play operation



/// Easy maintenance



/// Portable



/// Compact design

NEW SILVER - NS 3D

**Fixed speed rotary screw compressors |
 3 HP | Direct driven |
 Electropneumatic control**



Type	Code	Pressure		Free Air Delivery *			Motor power		Noise level **	LxPxH	Weight	
		bar	psi	l/min	CFM	m ³ /h	HP	kW				
230/60/1	EAN CODE	l	bar	psi	l/min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb
NS D 3 90 W	<i>on request</i>	90	10	145	246	8.7	14,8	3	2,2	68	1105x495x1085 43.5x19.5x42.7	112 247
NS D 3 200 W	<i>on request</i>	200	10	145	246	8.7	14,8	3	2,2	68	1430x616x1268 56.3x24.2x49.9	160 353
NS D 3 200	<i>on request</i>	200	10	145	246	8.7	14,8	3	2,2	68	1430x450x1157 56.3x17.7x45.6	160 353
230/60/3												
NS D 3 90 W	<i>on request</i>	90	10	145	246	8.7	14,8	3	2,2	68	1105x495x1085 43.5x19.5x42.7	112 247
NS D 3 200 W	<i>on request</i>	200	10	145	246	8.7	14,8	3	2,2	68	1430x616x1268 56.3x24.2x49.9	160 353
NS D 3 200	<i>on request</i>	200	10	145	246	8.7	14,8	3	2,2	68	1430x450x1157 56.3x17.7x45.6	160 353

W: with wheels / DOL start up

Unit performance measured in 8,5 bar according to ISO1217, Annex C, latest edition

Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method).

NEW SILVER NS 4-20

*Fixed speed or Variable speed rotary
screw compressors | 4-20 HP |
Belt drive | Digital controller*

Delivering superior performance over piston compressors makes New Silver an ideal solution for automotive and industrial applications requiring continuous demand of compressed air, where operating conditions are often challenging and pressure reliability is crucial.



/// **Screw compressors with innovative technology for superior performance**

Their compact design allows for easy placement even in tight spaces, bringing the point of use (POU) closer to optimize compressed air flow. With low noise and low vibrations, the New Silver compressors provide a more comfortable working environment without compromising performance. The digital control panel is easy to use, yet reliable, enabling intuitive and precise operation management.



/// Key features

3-in-1 compressed air system

Configurations: Base mounted | Tank mounted | Tank mounted + Dryer

Innovative eco-friendly vertical oil separation High performance and low CO₂ emissions Superior reliability throughout compressor lifecycle



/// Oil filtration



/// Oil level check



/// Easy maintenance

/// NS 4-20 Innovation

Fully integrated aluminum block

Superior vertical oil separation

New generation compact airend

Highly reliable, energy efficient motor

Low noise and vibration

Simple and reliable digital controller

One of the smallest footprints on the market Quick, easy and cost-effective maintenance

/// Overview of controllers

NEW SILVER fixed speed



Air Energy Control 3B

Simple and intuitive pictorial controller.

NEW SILVER variable speed



Air Energy Control 3B+

Superior technical features:

- Integrated **ICONS** connectivity
- Large display 3"
- Different analog inputs
- Weekly timer **ICONS**

NEW SILVER NS






4-20

Fixed speed rotary screw compressors |
4-20 HP | Belt drive | Digital controller



OPZIONI / OPTION

Models	Type	Code
NS 4 -10	Crate	0000050651
NS 4 -10	Wood box	0000050660
NS 10S - 20	Crate	0000050652
NS 10S - 20	Wood box	0000050661

Type	Code					LxPxH							
		Max. working pressure		Free Air Delivery *		Motor power		Noise level **	Weight				
	EAN CODE	bar	psi	min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb		
NS 4***	on request	8	116	470	16.6	28,2	4	3	62	805x603x1020	147		
	on request	10	145	362	12.8	21,7				31.7x23.7x40.1	324		
NS 5.5***	on request	8	116	594	21	35,6	5,5	4	63	805x603x1020	152		
	on request	10	145	511	18.1	30,7				31.7x23.7x40.1	335		
NS 7.5	on request	8	116	880	31.1	52,8	7,5	5,5	67	805x603x1020	163		
	on request	10	145	770	27.2	46,2				31.7x23.7x40.1	359		
NS 10	on request	8	116	1038	36.7	62,3	10	7,5	69	938x708x1020	190		
	on request	10	145	965	34.1	57,9				36.9x27.9x40.1	419		
NS 10S	on request	8	116	1135	40.1	68,1	10	7,5	65	938x708x1020	206		
	on request	10	145	995	35.2	59,7						36.9x27.9x40.1	454
	on request	13	188	773	27.3	46,4							
NS 15	on request	8	116	1610	56.9	96,6	15	11	69	938x708x1020	217		
	on request	10	145	1410	49.8	84,6						36.9x27.9x40.1	478
	on request	13	188	1150	40.6	69							
NS 20	on request	8	116	1850	65.4	111	20	15	71	938x708x1020	236		
	on request	10	145	1677	59.3	100,6						36.9x27.9x40.1	520
	on request	13	188	1326	46.9	79,6							

*** DOL start up

Unit performance measured according to ISO1217, Annex C, latest edition

**Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method).

Versions available: 230/50/3, 230/60/3, 380/60/3, 460/60/3, 575/60/3, 208-230-460/60/3

NEW SILVER NS 4-20







with tank

Fixed speed rotary screw compressors |
4-20 HP | Belt drive | Digital controller

OPZIONI / OPTION

Models	Type	Code
NS 4 -10	Crate	0000050651
NS 4 -10	Wood box	0000050660
NS 10S - 20	Crate	0000050652
NS 10S - 20	Wood box	0000050661



Type	Code						LxPxH					
		Max. working pressure		Free Air Delivery *		Motor power	Noise level **	Weight				
EAN CODE		l	bar	psi	min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb
NS 4***	on request	270	8	116	470	16.6	28,2	4	3	62	1533x573x1447	214
		270	10	145	362	12.8	21,7				60.4x22.6x57	472
NS 5.5***	on request	270	8	116	594	21	35,6	5,5	4	63	1533x573x1447	220
		270	10	145	511	18.1	30,7				60.4x22.6x57	485
NS 7.5	on request	270	8	116	880	31.1	52,8	7,5	5,5	67	1533x573x1447	230
		270	10	145	770	27.2	46,2				60.4x22.6x57	507
		500	8	116	880	31.1	52,8	7,5	5,5	67	1935x611x1606	297
		500	10	145	770	27.2	46,2				76.2x24x63.2	655
NS 10	on request	270	8	116	1038	36.7	62,3	10	7,5	69	1533x678x1447	257
		270	10	145	965	34.1	57,9				60.4x26.7x57	567
		500	8	116	1038	36.7	62,3	10	7,5	69	1935x611x1606	324
		500	10	145	965	34.1	57,9				76.2x24x63.2	714
		270	8	116	1135	40.1	68,1	10	7,5	65	1533x678x1447	274
	270	10	145	995	35.2	59,7	60.4x26.7x57				604	
NS 10S	on request	270	13	188	773	27.3	46,4	10	7,5	65	1533x678x1447	303
		500	8	116	1135	40.1	68,1				60.4x26.7x57	668
		500	10	145	995	35.2	59,7	10	7,5	65	1935x678x1578	338
		500	13	188	773	27.3	46,4				76.2x26.7x62.1	745
NS 15		270	8	116	1610	56.9	96,6	15	11	69	1533x678x1447	286
		270	10	145	1410	49.8	84,6				60.4x26.7x57	631
	on request	270	13	188	1150	40.6	69	15	11	69	1533x678x1447	315
		500	8	116	1610	56.9	96,6				60.4x26.7x57	694
		500	10	145	1410	49.8	84,6	15	11	69	1935x678x1578	350
		500	13	188	1150	40.6	69				76.2x26.7x62.1	772
												776
NS 20		270	8	116	1850	65.4	111	20	15	71	1533x678x1447	672
		270	10	145	1677	59.3	100,6				60.4x26.7x57	334
	on request	270	13	188	1326	46.9	79,6	20	15	71	1533x678x1447	736
		500	8	116	1850	65.4	111				60.4x26.7x57	369
		500	10	145	1677	59.3	100,6	20	15	71	1935x678x1578	813
		500	13	188	1326	46.9	79,6				76.2x26.7x62.1	371
											818	318

Unit performance measured according to ISO1217, Annex C, latest edition

**Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method).

Versions available: 230/50/3, 230/60/3, 380/60/3, 460/60/3, 208-230-460/60/3

NEW SILVER NS 4-20







with tank and dryer

Fixed speed rotary screw compressors |
4-20 HP | Belt drive | Digital controller



OPTION

Models	Type	Code
NS 4 -10	Crate	0000050651
NS 4 -10	Wood box	0000050660
NS 10S - 20	Crate	0000050652
NS 10S - 20	Wood box	0000050661

Type	Code						LxPxH					
		Max. working pressure		Free Air Delivery*			Motor power		Noise level**	Weight		
EAN CODE		l	bar	psi	min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb
NS 4 D***	on request	270	8	116	470	16.6	28,2	4	3	62	1533x573x1447	253
		270	10	145	362	12.8	21,7				60.4x22.6x57	558
NS 5,5 D***	on request	270	8	116	594	21	35,6	5,5	4	63	1533x573x1447	259
		270	10	145	511	18.1	30,7				60.4x22.6x57	571
NS 7,5 D		270	8	116	880	31.1	52,8	7,5	5,5	67	1533x573x1447	269
		270	10	145	770	27.2	46,2				60.4x22.6x57	593
		500	8	116	880	31.1	52,8				1935x611x1606	336
		500	10	145	770	27.2	46,2				76.2x24x63.2	741
NS 10 D	on request	270	8	116	1038	36.7	62,3	10	7,5	69	1533x678x1447	296
		270	10	145	965	34.1	57,9				60.4x26.7x57	653
		500	8	116	1038	36.7	62,3				1935x611x1606	363
		500	10	145	965	34.1	57,9				76.2x24x63.2	800
NS 10S D		270	8	116	1135	40.1	68,1	10	7,5	65		317
		270	10	145	995	35.2	59,7				1533x678x1447	698
		270	13	188	773	27.3	46,4				60.4x26.7x57	347
		500	8	116	1135	40.1	68,1					765
		500	10	145	995	35.2	59,7				1935x611x1606	840
		500	13	188	773	27.3	46,4				76.2x24x63.2	383
NS 15 D		270	8	116	1610	56.9	96,6	15	11	69		844
	on request	270	8	116	1610	56.9	96,6					329
		270	10	145	1410	49.8	84,6				1533x678x1447	725
		270	13	188	1150	40.6	69				60.4x26.7x57	358
		500	8	116	1610	56.9	96,6					789
		500	10	145	1410	49.8	84,6				1935x678x1578	393
NS 20 D		500	10	145	1410	49.8	84,6	20	15	71	76.2x26.7x62.1	866
		500	13	188	1150	40.6	69					395
	on request	270	8	116	1850	65.4	111					870
		270	10	145	1677	59.3	100,6				1533x678x1447	348
		270	13	188	1326	46.9	79,6				60.4x26.7x57	767
		500	8	116	1850	65.4	111					377
	500	10	145	1677	59.3	100,6	1935x678x1578	831				
	500	13	188	1326	46.9	79,6	76.2x26.7x62.1	412				
											908	
											414	
											913	

DOL start up

Unit performance measured according to ISO1217, Annex C, latest edition **

**Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method).

Versions available: 230/50/3, 230/60/3, 380/60/3, 460/60/3, 575/60/3, 208-230-460/60/3 18

NEW SILVER - NS 20S - 30

*Fixed speed rotary screw compressors |
20 - 30 HP | Belt Driven |
Digital Controller*

Screw compressor technology designed for industry

We continue to innovate our compressed air solutions to meet the demands of businesses in all areas of industry. The latest generation of rotary screw technology delivers greater benefits than ever before, on cost of ownership, sustainability, performance and reliability.



Delivering the total compressed air solution

- 3-in-1 compressed air system
- Base mounted – Tank mounted – Tank mounted + Dryer
- Innovative eco-friendly vertical oil separation
- High performance and low CO₂ emissions
- Space-saving installation
- Low noise and vibration
- Robust and reliable
- Simple maintenance



Key features

Energy optimization

Air Energy Control 3B Basic Controller Remote Start/Stop and automatic restart Temperature and pressure setting Running hours indicator Service and failure warnings

Air quality

Highly efficient 3-stage oil separation
Refrigerant gas R410A
PDP around 3°C
Intelligent automatic drain with solenoid, no air loss

Option

Food grade oil and coalescent filters

Improved duty cycle

While piston compressors require cool-down periods, screw compressors can be used all day long, providing compressed air on demand.

Minimal noise

Piston compressors are typically 20 dB(A) louder than rotary screw compressors, allowing machines to be placed much closer to the point of use (POU), which also reduces piping.

Superior performance

High performance coupled with lower energy consumption. The New Silver 20S - 30 generates more air and does so more efficiently thanks to its superior compression technology.

Cleaner air

With an oil carry-over of less than 5 ppm, our screw compressor range generates much cleaner air than a typical piston compressor (more than 30 ppm), which is more eco-friendly and helps to protect downstream tools and equipment.



Overview of controllers

NEW SILVER fixed speed



Air Energy Control 3B

Simple and intuitive pictorial controller.

NEW SILVER variable speed



Air Energy Control 3B+






Superior technical features:

- Integrated **ICONS** connectivity
- Large display 3"
- Different analog inputs
- Weekly timer **ICONS**

NEW SILVER - NS 20S - 30

**Fixed speed rotary screw compressors |
20 - 30 HP |Belt Driven | Digital
Controller**



Type	Code					LxPxH					
		Max. working pressure			Free Air Delivery *		Motor power	Noise level **	Weight		
EAN CODE		bar	psi	min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb
NS 20S	on request	8	116	2450	86.6	147	20	15	67		313 690
		10	145	2215	78.3	132,9					
		13	188	1797	63	107,8					
NS 25	on request	8	116	3000	106	180	25	18.5	69	1130x780x1250 44.5x30.7x49.2	328 723
		10	145	2590	91.5	155,4					
		13	188	2218	78	133,1					
NS 30	on request	8	116	3570	126.1	214,2	30	22	70		344 758
		10	145	3090	109.2	185,4					
		13	188	2673	94	160,4					

* Unit performance measured in 7,5 e 9,5 bar according to ISO1217, Annex C, latest edition







**Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method).
Versions available: 230/50/3, 230/60/3, 380/60/3, 460/60/3, 575/60/3, 208-230-460/60/3

NEW SILVER - NS 20S - 30

with tank and dryer

**Fixed speed rotary screw compressors | 20 - 30 HP |
Belt Drive | Digital Controller**



Type	Code						LxPxH					
		Max. working pressure			Free Air Delivery*		Motor power	Noise level**	Weight			
		l	bar	psi	min	CFM	m ³ /h	HP	kW	dB(A)	mm in	kg lb
NS 20S D	on request	500	8	116	2450	86.6	147	20	15	67	1904x780x1833 75x30.7x72.2	588 1296
			10	145	2215	78.3	132,9					
			13	188	1797	63	107,8					
NS 25 D	on request	500	8	116	3000	106	180	25	18.5	69	1904x780x1833 75x30.7x72.2	603 1329
			10	145	2590	91.5	155,4					
			13	188	2218	78	133,1					
NS 30 D	on request	500	8	116	3570	126.1	214,2	30	22	70	1904x780x1833 75x30.7x72.2	619 1365
			10	145	3090	109.2	185,4					
			13	188	2673	94	160,4					

* Unit performance measured in 7,5 e 9,5 bar according to ISO1217, Annex C, latest edition

**Noise level measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method). Versions available: 230/50/3, 230/60/3, 380/60/3, 575/60/3, 208-230-460/60/3



5250 North Sam Houston Pkwy W, Suite 850
Houston, TX 77086
sales@silentaire.com
www.silentaire.com
832-327-7452



www.fiac.it

FIAC PROFESSIONAL AIR COMPRESSORS srl, nell'ottica di migliorare costantemente i prodotti, si riserva di aggiornare le caratteristiche presenti in questo catalogo senza preavviso. I requisiti dei prodotti sono indicati chiaramente. Le immagini sono puramente indicative.

Cod. 2236116901 - R0 - 022025