



# /// 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.*

# NEW SILVER ROTARY SCREW COMPRESSORS

When a business demands superior compressed air performance and space is at a premium, FIAC's New Silver range of rotary screw compressors is the perfect choice.



## /// Key features

- Market-leading power and high performance
- Latest innovation in airend technology
- Easy mobility, installation and operation
- Low noise and vibration
- Compact design for closer point of use (POU)
- Simple and reliable digital controller
- Energy efficient with reduced CO2 emissions

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.



/// Automotive applications



/// Industrial applications

# NEW SILVER NS 3D



## NS 3D overview

- Superior performance and efficiency over belt-driven piston compressor
- Quiet operation as low as 59 dB(A)
- High reliability and unit longevity delivering improved lifecycle cost of ownership
- Robust air network and tools protected against corrosion and damage
- Quick, easy and cost-effective maintenance
- Space saving design
- Environmentally compliant



## Key features

- Latest generation compressor screw technology with fully integrated aluminum block and direct drive transmission
- Maximum pressure up to 10 bar
- Compact and portable for easy mobility
- Low noise and vibration for close point of use (POU) and minimum piping
- Plug-and-play operation with no expertise required
- High efficient direct transmission contributes to high reliability and easy maintenance



## Easy maintenance



## Portable



## Compact design

Model							
	Max. working pressure	Free Air Delivery *	Motor power	Noise level **	Tank Mounted (wheels) 90 L	Tank Mounted (wheels) 200L	Tank Mounted 200L
	bar	psi	l/min	CFM	kW	HP	dB(A)
NS 3 D	10	145	280	9.9	23	3	59
					112	160	160

Model	Length	Width	Height
	mm		
NS 3 D 90L W	1105	495	1085
NS 3 D 200L W	1430	616	1268
NS 3 D 200L	1430	450	1157

\* 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). 60 Hz available



# NEW SILVER NS 4-20



## NS 4-20 overview

- 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



## Key features

- 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



Oil filtration



Oil level check



Easy maintenance



## NS 4-20 Innovation

- New Integrated Block: **Innovative design made of Aluminum**
- Complex architecture with minimum parts and internally casted channels
- Stable oil film on the surface
- Compactness of the integrated oil circuit
- Less risk of all types of corrosion & Less risk of condensation
- Simple maintenance



Model	Max. working pressure		Free Air Delivery *		Motor power	Noise level **	Base Mounted	Tank Mounted 200L	Tank Mounted 270L	Tank Mounted 500L	Tank Mounted 200L + Dryer	Tank Mounted 270L + Dryer	Tank Mounted 500L + Dryer
	bar	psi	l/min	CFM	kW	HP	dB(A)	kg					
NS 4	8	116	470	16.6	3	4	62	147	207	214	246	253	
	10	145	362	12.8				147	207	214	246	253	
NS 5.5	8	116	594	21.0	4	5.5	63	152	213	220	252	259	
	10	145	511	18.1				152	213	220	252	259	
NS 7.5	8	116	880	31.1	5.5	7.5	67	163	223	230	297	263	336
	10	145	770	27.2				163	223	230	263	269	336
NS 10	8	116	1038	36.7	7.5	10	69	190		257	324	296	363
	10	145	965	34.1				190		257	324	296	363
NS 10S	8	116	1135	40.1				204		274	338	317	381
	10	145	995	35.2	7.5	10	65	204		274	338	317	381
	13	145	773	27.3				206		303	340	347	383
NS 15	8	116	1610	56.9				215		286	350	329	393
	10	145	1410	49.8	7.6	11	69	215		286	350	329	393
	13	145	1150	40.6				217		315	352	358	395
NS 20	8	116	1850	65.4				234		305	369	348	412
	10	145	1677	59.3	7.6	11	71	234		305	369	348	412
	13	145	1326	46.9				236		334	371	377	414

\* 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).

60 Hz available

Model	Conf.	Length	Width	Height
mm				
NS 4	BM	805	603	1020
NS 5.5				
NS 7.5				
NS 10				
NS 10S				
NS 20	938	708	1020	
NS 20				
NS 4				
NS 5.5	TMD 200L	1429	573	1397
NS 7.5				
NS 4				
NS 5.5	TMD 270L	1533	573	1447
NS 7.5				
NS 10				
NS 10S				
NS 20				
NS 20	1533	678	1447	
NS 7.5				
NS 10				
NS 10	TMD 500L	1935	610.5	1606
NS 10S				
NS 15				
NS 20				
NS 20				
NS 15	1935	678	1578	
NS 20				



# NEW SILVER NS-20S-30



## /// The all-in-one compressor

- ▀ 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

## /// Delivering the total compressed air solution



### 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
- ▀ Modified refrigerant dryer enabling close POU
- ▀ Refrigerant gas R410A
- ▀ PDP around 3°C
- ▀ Intelligent automatic drain with solenoid, no air loss



### Options ///

- ▀ Food grade oil and coalescent filters

## 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.

## Superior performance

High performance coupled with lower energy consumption. The CSM generates more air and does so more efficiently thanks to its superior compression technology.

## 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.

## 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.

Model	Max. working pressure		Free Air Delivery *		Motor power		Noise level **	Base Mounted	Tank Mounted 500L	Base Mounted + Dryer	Tank Mounted 500L + Dryer
	bar	psi	l/min	CFM	kW	HP	dB(A)	kg			
NS 20S	8	116	2450	86.6	15	20	67	313	537	362	588
	10	145	2215	78.3				313	537	362	588
NS 25	8	116	3000	106	18.5	25	69	328	545	377	603
	10	145	2590	91.5				328	545	377	603
NS 30	8	116	3570	126.1	22	30	70	344	561	393	619
	10	145	3090	109.2				344	561	393	619

\* 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). 60 Hz available

Model	Conf.	Length	Width	Height
mm				
NS 20S				
NS 25	BM	1130	780	1250
NS 30				
NS 20S				
NS 25	BM + D	1400	780	1250
NS 30				
NS 20S				
NS 25	TM 500L	1904	780	1833
NS 30	TMD 500L			



Sistema di gestione della qualità certificato UNI EN ISO 9001:2015. / *Quality system certified according to UNI EN ISO 9001:2015.*



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