



NEW SILVER

Silent
encapsulated
rotary screw
compressors



35 years of knowledge for a choice that lasts over time





FIAC S.p.A. has been active for 35 years on the international market, characterised by a dynamic evolution in which the customer, with his requirements and expectations, is the centre of attention. It is through the customer's satisfaction that FIAC intends to increase and renew its products, at the same time as maintaining its characteristics of creativity, flexibility and adjustment to the market requirements. The type of organisation adopted by FIAC, to ensure the continuity of the quality of its products and its overall organisation, answers to patterns which require the company to check and measure its own performance for continual improvement.

All levels of the organisation are involved and the aims and results thus obtained are shared throughout. FIAC S.p.A. has always been renowned in the world of compressed air for the high quality of its products and for its customer service.

The UNI EN ISO 9001:2008 norms perfectly complement the policy of quality control that FIAC has adopted, based on continuous improvements aimed at the complete satisfaction of the final customer.

Our technology

Air end

The screw unit combines low 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.



Simple and easy maintenance

The reliability of the components utilized has been exhaustively tested in the production of the NEW SILVER, CRS 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.



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 35 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.

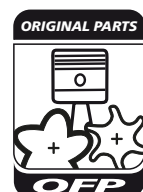


OFP : Genuine FIAC spare parts

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 OFP.





HIGH EFFICIENCY
MOTOR

From FIAC Research and Development, a range of low noise screw compressors called NEW SILVER is born to satisfy the demands for small generators of

compressed air with low horse power from 5.5 to 20 HP: simple, economical but technologically advanced.

Silent encapsulated rotary screw compressors



Easy Control Basic

FIAC EASY CONTROL BASIC manages, monitors and optimises the duty cycle of the unit, the reduction of the power consumption is obtained thanks to an effective and reliable adjustable start/stop. Easy and immediate reading of the data: air pressure, oil temperature, hour meter for compression and idle running time, protection alarms and maintenance schedules.



Air dryer system control

Continuous visualization of dew point.
Setting of interval and time of condensation discharge.
Automatic function for energy saving.



Electric components

High efficiency motor IE2.
IP 54 Insulation Class F.

Structure and noise reduction

Chassis totally realized in painted metal parts.
Sound proof washable panels made by high density of cells.



Condensate drainage

The drain tap is easily affixed to the foot of the tank.



NEW SILVER is the ideal solution for customers who need a complete air station which is easy to use,

suitable for continuous and constant operation over time.

Silent encapsulated rotary screw compressors



Encapsulated Air end F01

The encapsulated solution of the new air end guarantees the best performances of the category, high efficiency and reliability. Single stage air end, injection oil cooled to fluid, studied purposely in order to obtain good accessibility during maintenance and with few parts subject to wear and tear.

Transmission

Transmission by belt longitudinal ribbings guarantees long durability and elevated power transmission in the time. Pulleys are made of cast iron.



Cooling system

The NEW SILVER are equipped with an independent axial electric fan thermally controlled by electronic dashboard FIAC EASY CONTROL. Constant air/oil temperatures grant durability of the components even during heavy duty working conditions.



Anti-vibration base

The assembly base of the air end and electric motor is fixed on anti-vibrations supports. This solution allows to eliminate the transmission of vibrations to the main structure of the compressor, with a considerable reduction of noise and mechanical stress on all parts fixed into the structure.

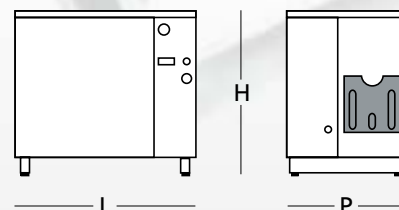
Sliding plate

Adjustable belt tensioning system by sliding plate along guides. Quick and safe belt maintenance.










Module: only compressor



NEW SILVER 5,5 ÷ 20

CE

Belt drive

Type										LxPxH				
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW		mm in		kg lb
NEW SILVER 5,5*	-	65	560	19.7	33.6	8	116	1/2"	5,5	4	820	540	750	138
			450	15.8	27	10	145				31.9	21	29.2	307
			400	14.1	24	13	188							
NEW SILVER 7,5	-	66	820	28.9	49.2	8	116	1/2"	7,5	5,5	820	540	750	143
			720	25.4	43.2	10	145				31.9	21	29.2	318
			640	22.6	38.4	13	188							
NEW SILVER 10	-	67	950	33	57	8	116	1/2"	10	7,5	820	540	750	148
			860	30.2	51.5	10	145				31.9	21	29.2	329
			690	24.2	41.5	13	188							
NEW SILVER 15	-	65	1560	55	93.5	8	116	3/4"	15	11	940	630	850	254
			1430	50.4	85.8	10	145				37	24.8	33.5	564
			1210	42.7	72.6	13	188							
NEW SILVER 20	-	67	2010	70.9	120.5	8	116	3/4"	20	15	940	630	850	280
			1900	67	114	10	145				37	24.8	33.5	622
			1670	59.4	100.2	13	188							

* DOL start up

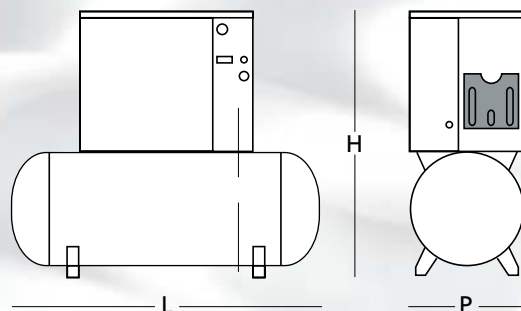
Standard input 400V/50Hz/3~.

Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3

Silent encapsulated rotary screw compressors



Module: compressor + air receiver



NEW SILVER 5,5/200 ÷ 20/500

Belt drive



Type							LxPxH							
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in			kg lb
NEW SILVER 5,5/200*	200	65	560	19.7	33.6	8	116	1/2"	5,5	4	1450	540	1180	195
			450	15.8	27	10	145				56.5	21	46.5	433
			400	14.1	24	13	188							
NEW SILVER 5,5/300*	270	65	560	19.7	33.6	8	116	1/2"	5,5	4	1460	540	1250	205
			450	15.8	27	10	145				56.9	21	49.2	455
			400	14.1	24	13	188							
NEW SILVER 7,5/300	270	66	820	28.9	49.2	8	116	1/2"	7,5	5,5	1460	540	1250	212
			720	25.4	43.2	10	145				56.9	21	49.2	471
			640	22.6	38.4	13	188							
NEW SILVER 7,5/500	500	66	820	28.9	49.2	8	116	1/2"	7,5	5,5	1880	540	1460	255
			720	25.4	43.2	10	145				73.3	21	56.9	567
			640	22.6	38.4	13	188							
NEW SILVER 10/300	270	67	950	33	57	8	116	1/2"	10	7,5	1460	540	1250	217
			860	30.2	51.5	10	145				56.9	21	49.2	482
			690	24.2	41.5	13	188							
NEW SILVER 10/500	500	67	950	33	57	8	116	1/2"	10	7,5	1880	540	1460	260
			860	30.2	51.5	10	145				73.3	21	56.9	578
			690	24.2	41.5	13	188							
NEW SILVER 15/300	270	65	1560	55	93.5	8	116	1/2"	15	11	1460	630	1300	325
			1430	50.4	85.8	10	145				56.9	24.8	51.2	722
			1210	42.7	72.6	13	188							
NEW SILVER 15/500	500	65	1560	55	93.5	8	116	3/4"	15	11	1880	630	1430	349
			1430	50.4	85.8	10	145				73.3	24.8	56.3	775
			1210	42.7	72.6	13	188							
NEW SILVER 20/300	270	67	2010	70.9	120.5	8	116	1/2"	20	15	1460	630	1300	351
			1900	67	114	10	145				56.9	24.8	51.2	780
			1670	59.4	100.2	13	188							
NEW SILVER 20/500	500	67	2010	70.9	120.5	8	116	3/4"	20	15	1880	630	1430	392
			1900	67	114	10	145				73.3	24.8	56.3	871
			1670	59.4	100.4	13	188							

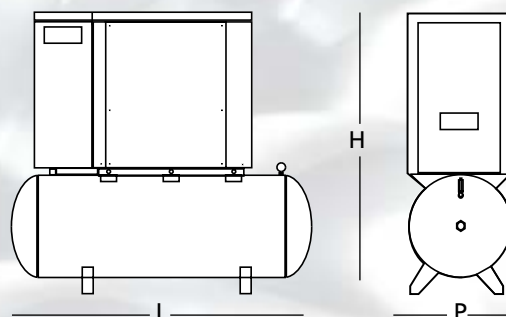
D = with dryer *DOL start up
 Standard input 400V/50Hz/3~.
 Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3

The complete air station



Silent encapsulated rotary screw compressors








Module: compressor + air receiver + dryer



NEW SILVER D 5,5/200 ÷ D 20/500

Belt drive



Type							LxPxH							
	ℓ	dB (A)	ℓ /min	CFM	m³/h	bar	psi	BSP	HP	kW		mm in		kg lb
NEW SILVER D 5,5/200*	200	65	560	19.7	33.6	8	116	1/2"	5,5	4	1450 56.5	540 21	1180 46.5	235 522
			450	15.8	27	10	145							
			400	14.1	24	13	188							
NEW SILVER D 5,5/300*	270	65	560	19.7	33.6	8	116	1/2"	5,5	4	1460 56.9	540 21	1250 49.2	245 544
			450	15.8	27	10	145							
			400	14.1	24	13	188							
NEW SILVER D 7,5/300	270	66	820	28.9	49.2	8	116	1/2"	7,5	5,5	1460 56.9	540 21	1250 49.2	252 560
			720	25.4	43.2	10	145							
			640	22.6	38.4	13	188							
NEW SILVER D 7,5/500	500	66	820	28.9	49.2	8	116	1/2"	7,5	5,5	1880 73.3	540 21	1460 56.9	295 655
			720	25.4	43.2	10	145							
			640	22.6	38.4	13	188							
NEW SILVER D 10/300	270	67	950	33	57	8	116	1/2"	10	7,5	1460 56.9	540 21	1250 49.2	257 571
			860	30.2	51.5	10	145							
			690	24.2	41.5	13	188							
NEW SILVER D 10/500	500	67	950	33	57	8	116	1/2"	10	7,5	1880 73.3	540 21	1460 56.9	300 667
			860	30.2	51.5	10	145							
			690	24.2	41.5	13	188							
NEW SILVER D 15/300	270	65	1560	55	93.5	8	116	3/4"	15	11	1460 56.9	630 24.8	1250 49.2	365 811
			1430	50.4	85.8	10	145							
			1210	42.7	72.6	13	188							
NEW SILVER D 15/500	500	65	1560	55	93.5	8	116	3/4"	15	11	1880 73.3	630 24.8	1460 56.9	390 866
			1430	50.4	85.8	10	145							
			1210	42.7	72.6	13	188							
NEW SILVER D 20/300	270	67	2010	70.9	120.5	8	116	3/4"	20	15	1460 56.9	630 24.8	1250 49.2	392 871
			1900	67	114	10	145							
			1670	59.4	100.2	13	188							
NEW SILVER D 20/500	270	67	2010	70.9	120.5	8	116	3/4"	20	15	1880 73.3	630 24.8	1460 56.9	438 973
			1900	67	114	10	145							
			1670	59.4	100.2	13	188							

D = with dryer

* DOL start up

Standard input 400V/50Hz/3~.

Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3

FIAC IN THE WORLD



Quality system certified according to UNI EN ISO 9001:2008.



ANIMA®



Italian Association of Pump
and Compressor Manufacturers

To guarantee the continued improvement of our range of products, FIAC reserves the right to up-date the technical characteristics shown in this catalogue without prior warning. Specifications of products are clearly indicated. Photographs are for illustrative purposes only.

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