

NEW SILVER

Silent
encapsulated
rotary screw
compressors



Italian technology since 1977 for a choice that lasts overtime



FIAC Bologna (Italy) Headquarter



FIAC S.p.A. has been active in the international market since 1977. During the last four decades our company has grown and evolved around our core focus of the customer and their unique requirements and expectations.

With our customer's satisfaction in mind, FIAC constantly seeks to expand and improve its products, while maintaining the company's core values of creativity, flexibility and adjustment to market requirements.

FIAC ensures the quality of its products and the efficiency of the organization by constantly measuring its own performance for continual improvement. All levels of the organization are involved in the implementation of our core goals and the results are shared throughout the company.

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 standards perfectly compliment our quality control process at FIAC, which is based on continuous improvements aimed at the complete satisfaction of our customer.

Our technology



Air end

The screw unit combines low running speeds and high efficiency thanks to the perfect mating of rotors, optimal profile design and perfect number of lobes. The result is reliability with a significant reduction in noise level. The unit's reliability is further guaranteed by the oil-injection cooling system and oversized load carrying thrust bearings, which feature a double lip oil seal ring that perfectly seals the rotor drive shaft.

The right solution for each application

Our customers represent small producers, big industry and all sizes in between. Each of our customers has very different needs.

We at FIAC aim to supply each of our customers with a continuous and reliable source of compressed air for their unique application. During our 35 plus years of experience, and through close relationships with our customers, we have developed a comprehensive range of screw compressors that are the best fit for a variety of different applications, installations and environmental conditions.

GSP: Genuine FIAC spare parts

Every component of a FIAC screw compressor is designed, produced and supplied to our customers to provide long term reliability.

Only Genuine FIAC Spare Parts, which have passed the most severe tests of quality and performance, can provide the best compressor performance, longevity and at a minimal cost.

It is always important that FIAC air compressor maintenance must be performed by a professional and authorized technician and the spare parts are FIAC parts marked with the official GSP stamp.



Simple and easy maintenance

The reliability of our products is the result of The exhaustive testing process implemented for each of the components utilized in the production of the NEW SILVER series.

Each of our air compressors has been designed to ensure easy access to components.

The result makes maintenance much quicker and less expensive.

In collaboration with its highly qualified technical staff, FIAC has developed a scheduled maintenance kit, which comes complete with a detailed service manual that make maintenance jobs quicker and more efficient.





NEW SILVER compressors of 10HP and greater are available with the high efficiency IE3 motor

HIGH EFFICIENCY
MOTOR IE3

FIAC has expanded its range of screw compressors to satisfy Market demand for low noise compressors in the 3 to 50 HP Range.

This newly expanded range of compressors is both Economical and technologically advanced.

Silent encapsulated rotary screw compressors



Easy Control Basic

FIAC EASY CONTROL BASIC efficiently manages, monitors and optimizes the duty cycle of the unit.

The result is a reduction in power consumption thanks to an effective and reliable adjustable start/stop.

The Easy Control Basic system offers easy and immediate access to data pertaining to: air pressure, oil temperature, hour meter for compression and idle running time, protection alarms and maintenance schedules.

Electric components

High efficiency IE3 motor.

IP 54 Class F Insulation.



Air dryer system control

Continuous visual monitoring of dew point.

Easy setting of condensate discharge interval and duration.

Automatic function for energy saving.



Structure and noise reduction

Chassis is totally realized in painted metal featuring sound proof panels made with washable high density foam.



Condensate drainage

The drain tap is conveniently 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 and suitable for continuous and constant operation over time.

Silent encapsulated rotary screw compressors



Encapsulated Air end F01

The new encapsulated air end solution guarantees leading performance, efficiency and reliability in its category. The encapsulated air end design features a compact design with reduced connections and virtually no piping system. The simple design with minimal connection points results in fewer low pressure drops, simplified maintenance and increased power savings.

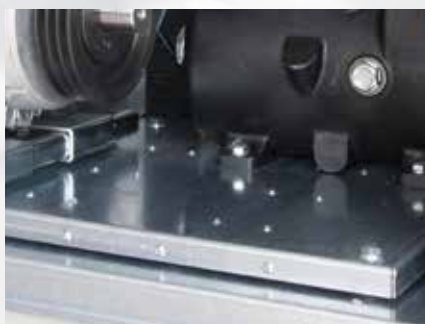
Transmission

Power is efficiently transmitted by way of a precise multi-grooved belt to a perfectly mated cast iron pulley. The result is greater durability and more efficient power transmission.



Cooling system

The NEW SILVER line of rotary screw air compressors are equipped with an independent axial electric fan, which is thermally controlled by the FIAC EASY CONTROL electronic dashboard. Constant monitoring of air/oil temperatures allow for greater durability of the components even during heavy duty working conditions.



Anti-vibration base

The air end and electric motor assemblies are mounted on anti-vibration supports. This solution eliminates the transmission of vibrations to the main structure of the compressor. The result is a considerable reduction of noise and mechanical stress on the air compressor package.

Sliding plate

Quick and safe belt maintenance is realized through an adjustable belt tensioning system by sliding the plate along guides.





NEW SILVER 3/300

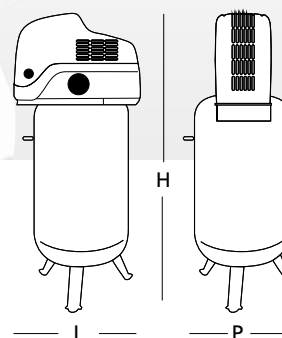
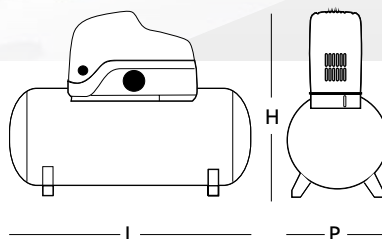
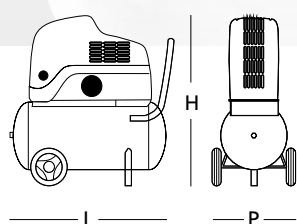
NEW SILVER 3/90

NEW SILVER V 3/300

Rotary screw compressors

fiole
AIR COMPRESSORS






59 dB(A)



NEW SILVER 3/90 - 3/300 - V 3/300

Direct drive

CE

Type										LxPxH			
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	HP	kW		mm	in	kg
													lb
NEW SILVER 3/90	90	59	300	10.6	18	9	130	3	2.2	1000	400	1114	84
										39.4	16	43.9	185
NEW SILVER 3/300	270	59	300	10.6	18	9	130	3	2.2	1600	560	1230	135
										63	22	48.4	297
NEW SILVER V 3/300	270	59	300	10.6	18	9	130	3	2.2	670	670	1850	145
										26.4	26	72.8	319

DOL start up
Standard input 230V/50Hz/1~.
Version available: 400V/50Hz/3~

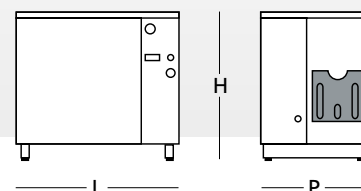
MADE IN ITALY



NEW SILVER compressors of 10HP and greater are available with the high efficiency IE3 motor

HIGH EFFICIENCY
MOTOR IE3








Module: only compressor



NEW SILVER 5,5 ÷ 10

CE

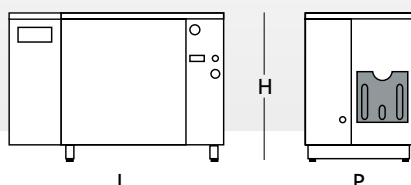
Belt drive

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	19.8	33.6	8	116	1/2"	5,5	4	820	540	750	138
			450	15.9	27	10	145				32.3	21	29.5	307
			400	14.1	24	13	188							
NEW SILVER 7,5	-	66	820	29	49.2	8	116	1/2"	7,5	5,5	820	540	750	143
			720	25.4	43.2	10	145				32.3	21	29.5	318
			640	22.6	38.4	13	188							
NEW SILVER 10	-	67	950	33.5	57	8	116	1/2"	10	7,5	820	540	750	148
			860	30.4	51.6	10	145				32.3	21	29.5	329
			690	24.4	41.4	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 with or without dryer



Module: compressor + dryer








NEW SILVER compressors of 10HP and greater
are available with the high efficiency IE3 motor

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER 5,5 ÷ 10

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*	-	65	560	19.8	33.6	8	116	1/2"	5,5	4	1105	540	750	168
			450	15.9	27	10	145				43.5	21	29.5	374
			400	14.1	24	13	188							
NEW SILVER D 7,5	-	66	820	29	49.2	8	116	1/2"	7,5	5,5	1105	540	750	173
			720	25.4	43.2	10	145				43.5	21	29.5	384
			640	22.6	38.4	13	188							
NEW SILVER D 10	-	67	950	33.5	57	8	116	1/2"	10	7,5	1105	540	750	178
			860	30.4	51.6	10	145				43.5	21	29.5	396
			690	24.4	41.4	13	188							

D = con essiccatore / with dryer

* DOL start up

Standard input 400V/50Hz/3~.

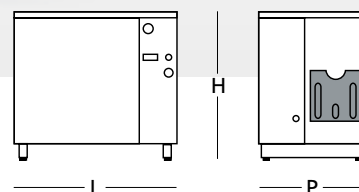
Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3





HIGH EFFICIENCY
MOTOR IE3

Module: only compressor



NEW SILVER 15 - 20

CE

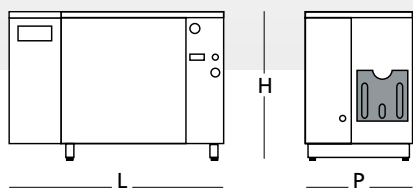
Belt drive

Type							LxPxH							
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in		kg lb	
NEW SILVER 15	-	65	1560	55.1	93.6	8	116	3/4"	15	11	940	630	850	254
			1430	50.5	85.8	10	145				37	25	33.5	564
			1210	42.7	72.6	13	188							
NEW SILVER 20	-	67	2010	71	120.6	8	116	3/4"	20	15	940	630	850	280
			1900	67.1	114	10	145				37	25	33.5	622
			1670	59	100.2	13	188							

Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3



Silent encapsulated rotary screw compressors with or without dryer










Module: compressor + dryer

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER D 15 - 20

Belt drive



Type									LxPxH				
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in		kg lb
NEW SILVER D 15	-	65	1560	55.1	93.6	8	116	3/4"	15	11	1215	630	850
			1430	50.5	85.8	10	145				47.8	25	33.5
			1210	42.7	72.6	13	188						
NEW SILVER D 20	-	67	2010	71	120.6	8	116	3/4"	20	15	1215	630	850
			1900	67.1	114	10	145				47.8	25	33.5
			1670	59	100.2	13	188						

D = with dryer

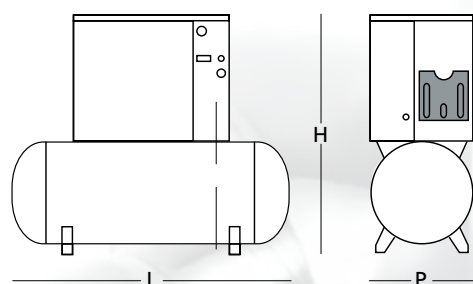
Standard input 400V/50Hz/3~.

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





Silent encapsulated rotary screw compressors tank mounted



Module: compressor + tank








NEW SILVER compressors of 10HP and greater are available with the high efficiency IE3 motor

HIGH EFFICIENCY
MOTOR IE3

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	19.8	33.6	8	116	1/2"	5,5	4	1525	540	1225	195
			450	15.9	27	10	145				60	21	48.2	433
			400	14.1	24	13	188							
NEW SILVER 5,5/300*	270	65	560	19.8	33.6	8	116	1/2"	5,5	4	1625	540	1250	205
			450	15.9	27	10	145				64	21	49.2	455
			400	14.1	24	13	188							
NEW SILVER 7,5/300	270	66	820	29	49.2	8	116	1/2"	7,5	5,5	1625	540	1250	212
			720	25.4	43.2	10	145				64	21	49.2	471
			640	22.6	38.4	13	188							
NEW SILVER 7,5/500	500	66	820	29	49.2	8	116	3/4"	7,5	5,5	2030	540	1460	255
			720	25.4	43.2	10	145				79.9	21	57.5	567
			640	22.6	38.4	13	188							
NEW SILVER 10/300	270	67	950	33.5	57	8	116	1/2"	10	7,5	1625	540	1250	217
			860	30.4	51.6	10	145				64	21	49.2	482
			690	24.4	41.4	13	188							
NEW SILVER 10/500	500	67	950	33.5	57	8	116	3/4"	10	7,5	2030	540	1460	260
			860	30.4	51.6	10	145				79.9	21	57.5	578
			690	24.4	41.4	13	188							
NEW SILVER 15/300	270	65	1560	55.1	93.6	8	116	1/2"	15	11	1625	630	1300	325
			1430	50.5	85.8	10	145				64	25	51.2	722
			1210	42.7	72.6	13	188							
NEW SILVER 15/500	500	65	1560	55.1	93.6	8	116	3/4"	15	11	2030	630	1430	349
			1430	50.5	85.8	10	145				79.9	25	56.3	775
			1210	42.7	72.6	13	188							
NEW SILVER 20/300	270	67	2010	71	120.6	8	116	1/2"	20	15	1625	630	1300	351
			1900	67.1	114	10	145				64	25	51.2	780
			1670	59	100.2	13	188							
NEW SILVER 20/500	500	67	2010	71	120.6	8	116	3/4"	20	15	2030	630	1430	392
			1900	67.1	114	10	145				79.9	25	56.3	871
			1670	59	100.2	13	188							

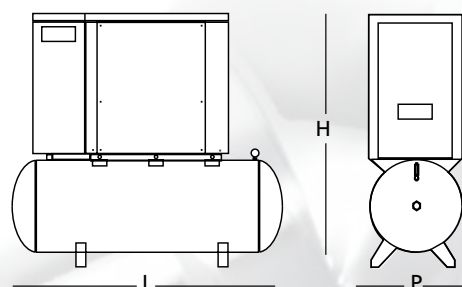
* DOL start up
Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3 - 220V/60Hz/3 - 380V/60Hz/3



Full features air station



Silent encapsulated rotary screw compressors tank mounted with dryer



Module: compressor + tank + dryer








NEW SILVER compressors of 10HP and greater
are available with the high efficiency IE3 motor

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER D 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 D 5,5/200*	200	65	560	19.8	33.6	8	116	1/2"	5,5	4	1525 60	540 21	1225 48.2	235 522
			450	15.9	27	10	145							
			400	14.1	24	13	188							
NEW SILVER D 5,5/300*	270	65	560	19.8	33.6	8	116	1/2"	5,5	4	1625 64	540 21	1250 49.2	245 544
			450	15.9	27	10	145							
			400	14.1	24	13	188							
NEW SILVER D 7,5/300	270	66	820	29	49.2	8	116	1/2"	7,5	5,5	1625 64	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	29	49.2	8	116	3/4"	7,5	5,5	2030 79.9	540 21	1460 57.5	295 655
			720	25.4	43.2	10	145							
			640	22.6	38.4	13	188							
NEW SILVER D 10/300	270	67	950	33.5	57	8	116	1/2"	10	7,5	1625 64	540 21	1250 49.2	257 571
			860	30.4	51.6	10	145							
			690	24.4	41.4	13	188							
NEW SILVER D 10/500	500	67	950	33.5	57	8	116	3/4"	10	7,5	2030 79.9	540 21	1460 57.5	300 667
			860	30.4	51.6	10	145							
			690	24.4	41.4	13	188							
NEW SILVER D 15/300	270	65	1560	55.1	93.6	8	116	1/2"	15	11	1625 64	630 25	1300 51.2	365 811
			1430	50.5	85.8	10	145							
			1210	42.7	72.6	13	188							
NEW SILVER D 15/500	500	65	1560	55.1	93.6	8	116	3/4"	15	11	2030 79.9	630 25	1430 56.3	390 866
			1430	50.5	85.8	10	145							
			1210	42.7	72.6	13	188							
NEW SILVER D 20/300	270	67	2010	71	120.6	8	116	1/2"	20	15	1625 64	630 25	1300 51.2	392 871
			1900	67.1	114	10	145							
			1670	59	100.2	13	188							
NEW SILVER D 20/500	500	67	2010	71	120.6	8	116	3/4"	20	15	2030 79.9	630 25	1430 56.3	438 973
			1900	67.1	114	10	145							
			1670	59	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

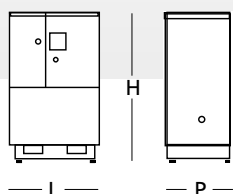


NEW SILVER 25 - 30



Encapsulated rotary screw compressors

fiac
AIR COMPRESSORS



Module: only compressor

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER 25 - 30

Belt drive

CE

Type										LxPxH				
	<i>ℓ</i>	dB (A)	<i>ℓ</i> /min	CFM	m³/h	bar	psi	BSP	HP	kW	<i>mm in</i>			<i>kg lb</i>
NEW SILVER 25	-	73	2700	95.3	162	8	116	1"	25	18.5	950	850	1180	468
			2500	88.3	150	10	145				37.4	33	46.5	1044
			2200	77.7	132	13	188							
NEW SILVER 30	-	74	3280	115.8	196.8	8	116	1"	30	22	950	850	1180	498
			2970	104.9	178.2	10	145				37.4	33	46.5	1111
			2390	84.4	143.4	13	188							

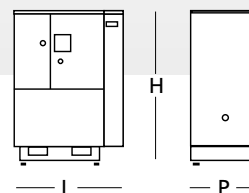
Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3

MADE IN ITALY



HIGH EFFICIENCY
MOTOR IE3

Module: compressor + dryer



NEW SILVER D 25 - 30

CE

Belt drive

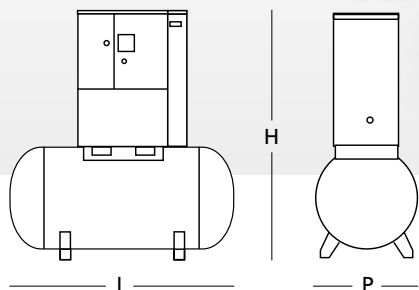
Type			ISO 1217								LxPxH	
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in	kg lb
NEW SILVER D 25	-	73	2700	95.3	162	8	116	1"	25	18.5	1170 46.1	850 33
			2500	88.3	150	10	145					
			2200	77.7	132	13	188					
NEW SILVER D 30	-	74	3280	115.8	196.8	8	116	1"	30	22	1170 46.1	850 33
			2970	104.9	178.2	10	145					
			2390	84.4	143.4	13	188					

D = with dryer
Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3



Silent encapsulated rotary screw compressors tank mounted with dryer

fiac
AIR COMPRESSORS










Module: compressor + tank + dryer

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER D 25/500 - 30/500

Belt drive

CE

Type							LxPxH							
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in			kg lb
NEW SILVER D 25/500	500	73	2700	95.3	162	8	116	1"	25	18.5	2040	850	1770	670
			2500	88.3	150	10	145				80.3	33	69.7	1494
			2200	77.7	132	13	188							
NEW SILVER D 30/500	500	74	3280	115.8	196.8	8	116	1"	30	22	2040	850	1770	700
			2970	104.9	178.2	10	145				80.3	33	69.7	1561
			2390	84.4	143.4	13	188							

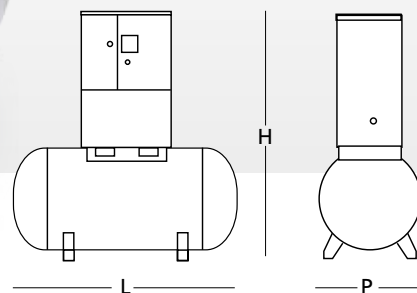
D = with dryer
Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3

MADE IN ITALY



HIGH EFFICIENCY
MOTOR IE3








Module: compressor + tank



NEW SILVER 25/500 - 30/500

CE

Belt drive

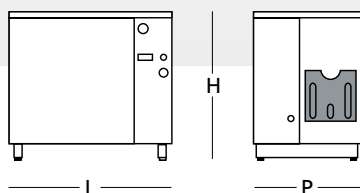
Type							LxPxH							
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in			kg lb
NEW SILVER 25/500	500	73	2700	95.3	162	8	116	1"	25	18.5	2040 80.3	850 33	1770 69.7	670 1494
			2500	88.3	150	10	145							
			2200	77.7	132	13	188							
NEW SILVER 30/500	500	74	3280	115.8	196.8	8	116	1"	30	22	2040 80.3	850 33	1770 69.7	700 1561
			2970	104.9	178.2	10	145							
			2390	84.4	143.4	13	188							

Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/3



Silent encapsulated rotary screw compressors

fiac
AIR COMPRESSORS








Module: only compressor

HIGH EFFICIENCY
MOTOR IE3

NEW SILVER 40 - 50

Belt drive

CE

Type							LxPxH							
	ℓ	dB (A)	ℓ/min	CFM	m³/h	bar	psi	BSP	HP	kW	mm in			kg lb
NEW SILVER 40	-	74	4500	158.9	270	8	116	1"	40	30	1200	890	1350	679
			3900	137.7	234	10	145				47.2	35	53.1	1514
			3500	123.6	210	13	188							
NEW SILVER 50	-	75	5350	188.9	321	8	116	1"	50	37	1200	890	1350	700
			5000	176.6	300	10	145				47.2	35	53.1	1561
			4200	148.3	252	13	188							

Standard input 400V/50Hz/3~.
Version available: 230V/50Hz/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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