



**Balma**



Rotary screw compressors  
from 5,5 to 30 kW

**MODULO**  
Series

*A Star in Air Compressors* 

# MODULO SERIES

## PREMIUM MODULARITY

The MODULO Series lives up to its name. To serve basic or very demanding needs, multiple choices of configurations are available for you.

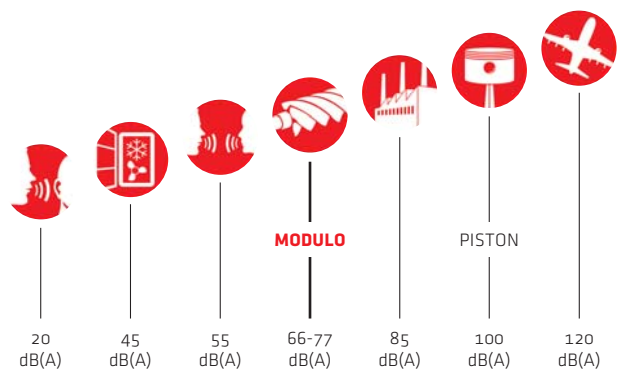


For whatever your **business** needs are

BALMA has developed more than 45 different MODULO to fit your business needs. Many different versions, power sizes, voltages, pressure variants, efficiencies and market approvals are available for service, assembly or any other industrial application.

### Silent workspace

The MODULO Series was conceived with one thing in mind: respect to your working environment. All models are equipped with a generous insulation that allows you to place this equipment close to your work place without disturbing your environment.



## Join the **BALMA advantage**

Since 1950, **BALMA** offers the right mix of flexibility and experience for the industrial, professional and DIY compressed air markets. From state-of-the-art production facilities straight to your business via more than 300 distributors in more than 100 countries worldwide, **BALMA** provides you with plug & play air solutions with a quality label.

**BALMA** delivers trouble free workmates, both piston as well as screw compressors, that are always available and ready to use.



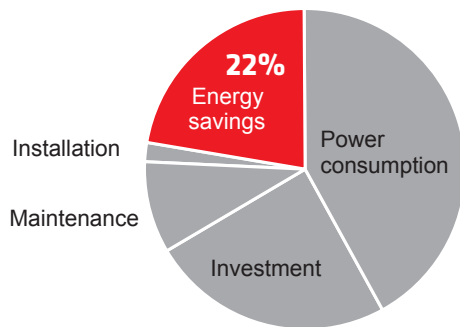
## Our famous **user-friendliness**

Thanks to an intuitive control panel, you have a clear overview of all key parameters and system menus – so in a few touches you can easily drive your compressor. Besides, all the maintenance components like air, oil filters and belts are ideally positioned to enable an ultimately fast and secure maintenance.

Dedicated service kits support reliable and efficient operation and include all original parts in one single package. **BALMA** provides you with a simple solution based on the running hours of your compressor. All parts easy at hand while providing highest protection of your investment!



## Your **additional benefits** from using variable speed compressors

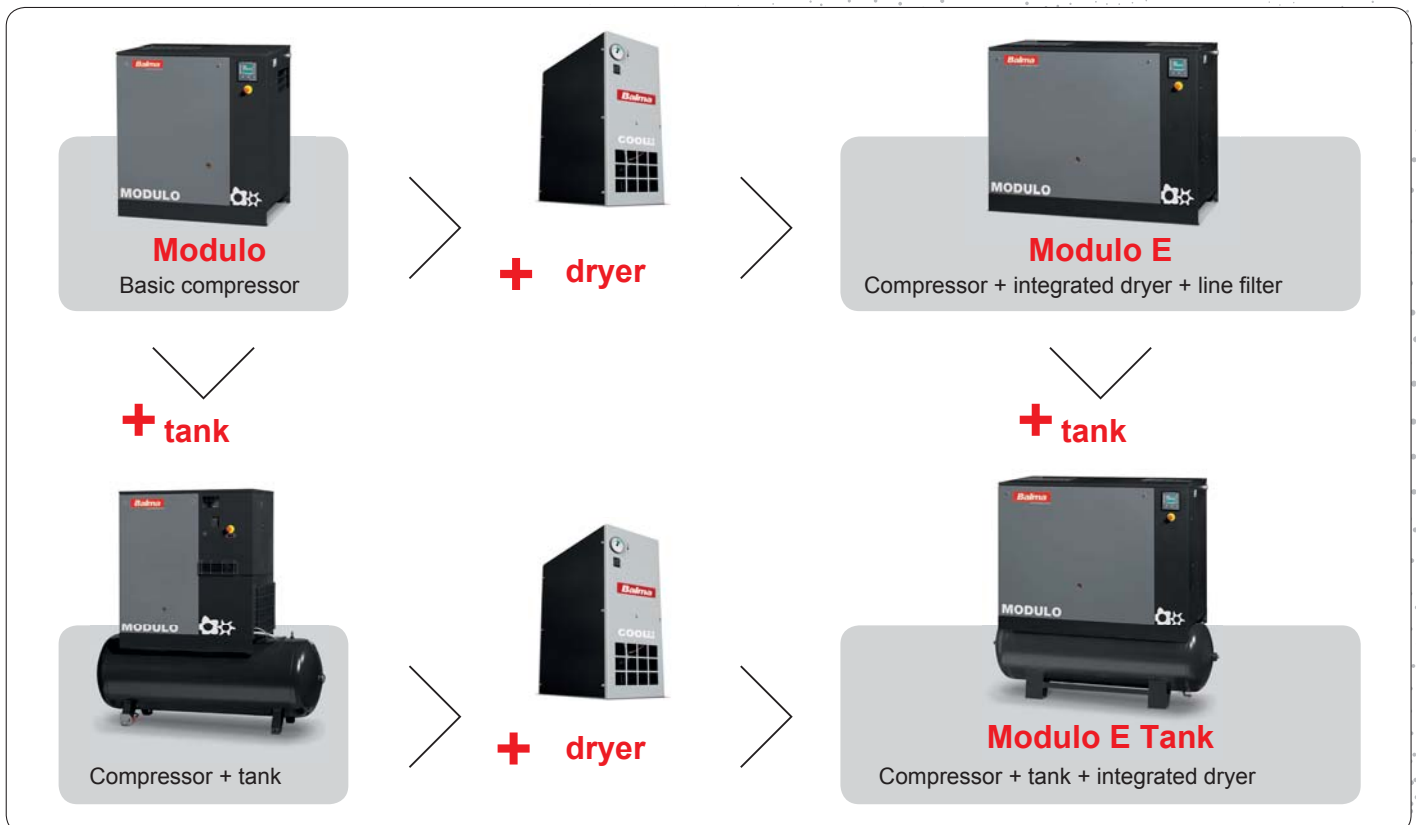


During most of the time, the air consumption in your network is not constant. A variable speed compressor reduces the speed of the main motor to follow precisely the profile of compressed air consumption. This results in considerable saving on your energy bill.

## Full variable speed efficiency benefits

- **Soft start:** reduces the current on start, protecting the motor and reducing power consumption.
- **EMC Compliant:** no electromagnetic interference to or from your power network.
- **Constant air pressure to any value between 6-13 bar:** no pressure fluctuation between load and unload grants you no waste of energy.

## How to choose your **MODULO**



# MODULO & MODULO E SERIES

## FIXED SPEED COMPRESSORS

The **MODULO** Series compresses and processes high quality air on a minimal space.



1

### Silent & ecological dryer

The **MODULO.E** is build with a energy efficient refrigerant dryers. The used ecological gases are R134A or R404A. Also every units features a noise free automatic condensate drain that discharges only water, no air. A silent, efficient & ecological process that respects the environment.



2

### Ultimate clean air

Ensuring a very clean air suitable for the most demanding pneumatic applications, every **MODULO.E** is equipped with efficient filtration for liquid and solid particles up to 0,1 micron.



3

### Easy handling

Simple to transport, easy to carry and fast to install. The **MODULO** Series have 3 points of accessibility: at the front, the left and the right.



# DRY AND CLEAN AIR, READY TO USE

Untreated compressed air contains a lot of moisture, solid and liquid particles that can compromise or even damage your pneumatic equipment.

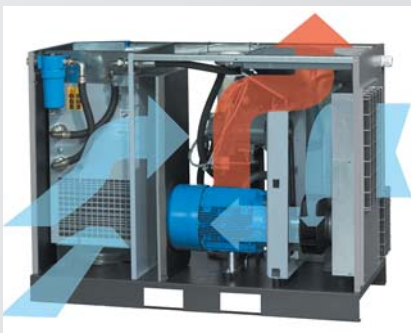
The **MODULO.E** Series spares you from this trouble by providing you with dry and clean air, suitable for most applications.



4

## Powerful cooling

A turbine instead of a normal fan is fitted on the motor shaft for an improved cooling efficiency of oil and air. On top of this an independent motor cooling ensures ideal temperatures for your motor even in the most demanding conditions.



5

## Plug & play maintenance

Good positioning of all service items such as belts, oil and air filters plus an external oil level indicator enable you to have an ultimately easy and fast maintenance. Long service intervals and smart maintenance kits make the user friendly experience more complete.



6

## Full control in a few clicks

The ES 3000 controller gives you easy access to menus and all key performance indicators necessary to drive your operation. It also features programmed routine maintenance, fault log and several other functions.





## POWER SIZES 5,5 to 15 kW



### Fixed speed

				8 Bar	10 Bar	13 Bar					
Type	Litres	HP	Kw	m³/min	m³/min	m³/min	dB(A)	(mm)	Kg		
MODULO	Base Mounted	7.5	5.5	0,82	0,67	0,52	66	1095	665	1070	235
		10	7,5	1,15	1,00	0,81	66	1095	665	1070	240
		15	11	1,67	1,44	1,21	69	1095	665	1070	260
		20	15	1,99	1,77	1,48	69	1095	665	1070	285
MODULO E	Base Mounted + Dryer	7.5	5.5	0,82	0,67	0,52	66	1095	665	1070	265
		10	7,5	1,15	1,00	0,81	66	1095	665	1070	270
		15	11	1,67	1,44	1,21	69	1095	665	1070	290
		20	15	1,99	1,77	1,48	69	1095	665	1070	315
MODULO	270	7.5	5.5	0,82	0,67	0,52	66	1150	665	1687	305
		10	7,5	1,15	1,00	0,81	66	1150	665	1687	310
		15	11	1,67	1,44	1,21	69	1150	665	1687	328
		20	15	1,99	1,77	1,48	69	1150	665	1687	353
	500	7.5	5.5	0,82	0,67	0,52	66	1935	665	1689	390
		10	7,5	1,15	1,00	0,81	66	1935	665	1689	395
		15	11	1,67	1,44	1,21	69	1935	665	1689	413
		20	15	1,99	1,77	1,48	69	1935	665	1689	438
MODULO E	270	7.5	5.5	0,82	0,67	0,52	66	1150	665	1687	330
		10	7,5	1,15	1,00	0,81	66	1150	665	1687	335
		15	11	1,67	1,44	1,21	69	1150	665	1687	355
		20	15	1,99	1,77	1,48	69	1150	665	1687	380
	500	7.5	5.5	0,82	0,67	0,52	66	1935	665	1689	415
		10	7,5	1,15	1,00	0,81	66	1935	665	1689	420
		15	11	1,67	1,44	1,21	69	1935	665	1689	440
		20	15	1,99	1,77	1,48	69	1935	665	1689	465

### Variable speed

				Min		Max					
Tipo	Litri	HP	Kw	bar	m³/min	m³/min	dB(A)	(mm)	Kg		
MODULO I	Base Mounted	10	7,5	6-13	0,25	1,08	73	1095	665	1095	291
		15	11	6-13	0,44	1,56	73	1095	665	1095	311
MODULO I E	270	10	7,5	6-13	0,25	1,08	73	1150	665	1712	356
		15	11	6-13	0,44	1,56	73	1150	665	1712	381
	500	10	7,5	6-13	0,25	1,08	73	1935	665	1714	446
		15	11	6-13	0,44	1,56	73	1935	665	1714	466

\* Unit performance measured according to ISO 1217. Noise level measured according to ISO 2151.  
Reference conditions: intake air pressure 1bar, 20°C and 70% UR.

# POWER SIZES 11 to 30 kW



## Fixed speed

				8 Bar	10 Bar	13 Bar					
Tipo	Litri	HP	Kw	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	dB(A)	(mm)	Kg		
MODULO	Base Mounted	15	11	1,73	1,49	1,12	70	1095	665	1220	296
		20	15	2,21	2,02	1,53	70	1095	665	1220	321
		25	18,5	2,77	2,50	1,96	72	1204	805	1220	375
		30	22	3,51	3,01	2,61	74	1204	805	1220	391
		40	30	3,89	3,50	2,94	77	1204	805	1220	419
MODULO E	Base Mounted + Dryer	15	11	1,73	1,49	1,12	70	1095	665	1220	326
		20	15	2,21	2,02	1,53	70	1095	665	1220	351
		25	18,5	2,77	2,50	1,96	72	1204	805	1220	448
		30	22	3,51	3,01	2,61	74	1204	805	1220	464
		40	30	3,89	3,50	2,94	77	1204	805	1220	504
MODULO ES	500	15	11	1,73	1,49	1,12	70	1939	665	1841	476
		20	15	2,21	2,02	1,53	70	1939	665	1841	501
		25	18,5	2,77	2,50	1,96	72	1939	805	1841	638
		30	22	3,51	3,01	2,61	74	1939	805	1841	654

## Variable speed

				Min	Max						
Tipo	Litri	HP	Kw	bar	m <sup>3</sup> /min	m <sup>3</sup> /min	dB(A)	(mm)	Kg		
MODULO I	Base Mounted	20	15	5-10	0,66	2,43	69	1095	665	1095	394
		20	15	5-13	0,47	2,13	69	1095	665	1095	394
		25	18,5	5-10	0,88	3,17	72	1204	805	1220	403
		25	18,5	5-13	0,67	2,73	72	1204	805	1220	403
		30	22	5-10	1,02	3,69	74	1204	805	1220	419
		30	22	5-13	0,85	3,24	74	1204	805	1220	419
		40	30	5-10	1,24	4,17	77	1204	805	1220	447
		40	30	5-13	0,98	3,64	77	1204	805	1220	447
MODULO EI	Base Mounted + Dryer	20	15	5-10	0,66	2,43	69	1095	642	1220	467
		20	15	5-13	0,47	2,13	69	1095	642	1220	467
		25	18,5	5-10	0,88	3,17	72	1204	805	1220	476
		25	18,5	5-13	0,67	2,73	72	1204	805	1220	476
		30	22	5-10	1,02	3,69	74	1204	805	1220	492
		30	22	5-13	0,85	3,24	74	1204	805	1220	492
		40	30	5-10	1,24	4,17	77	1204	805	1220	520
		40	30	5-13	0,98	3,64	77	1204	805	1220	520
MODULO ESI	500	20	15	5-10	0,66	2,43	69	1939	805	1841	657
		20	15	5-13	0,47	2,13	69	1939	805	1841	657
		25	18,5	5-10	0,88	3,17	72	1939	805	1841	666
		25	18,5	5-13	0,67	2,73	72	1939	805	1841	666
		30	22	5-10	1,02	3,69	74	1939	805	1841	682
		30	22	5-13	0,85	3,24	74	1939	805	1841	682

\* Unit performance measured according to ISO 1217. Noise level measured according to ISO 2151.  
Reference conditions: instake air pressure 1bar, 20°C and 70% UR.

# ORIGINAL PARTS YOUR QUALITY ASSURANCE

The 'original part' identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor and are approved for use on the specified compressor. They have been thoroughly tested to obtain the highest level of protection, extending the compressors' lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of 'original part' certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for your quality assurance.



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