



**Step into the future of
compressed air**



**FORMULA &
GENESIS | 7.5-22 PM**

Choosing between a fixed-speed compressor and a Variable Speed Drive (VSD) model has never been easy

For belt-driven units, the higher investment often outweighed the benefits. Not anymore.

The new **FORMULA & GENESIS I 7.5-22 PM range** makes VSD technology accessible to all professionals. It delivers real advantages — lower energy costs, less wear on components, and more reliable performance — without requiring a leap in budget. Compact, quiet, and easy to own, the FORMULA & GENESIS I 7.5-22 PM is designed to meet the everyday needs of small and medium businesses. With power sizes from 7.5 to 22 kW, it's the smart and affordable way to step into the future of compressed air.

Energy can account for more than 70 % of a compressor's total operating cost.

That's why the FORMULA & GENESIS I 7.5-22 PM with **Permanent Magnet (PM)** technology was designed — to make cutting those costs simple and effective.

Unlike traditional compressors that run at full speed all the time, the FORMULA & GENESIS I 7.5-22 PM intelligently adjusts its motor in real time to match actual air demand. Since most production environments experience fluctuating air needs, this smart adaptation leads to **energy savings of up to 45 %**.

What does that mean for you? **The extra investment compared with a fixed-speed compressor can often be recovered within a single year — turning efficiency into a fast, tangible benefit.**



Meet the game-changer: FORMULA & GENESIS I 7.5-22 PM

Our new FORMULA & GENESIS I 7.5-22 PM range breaks down the barriers to energy-efficient compressed air.

It delivers all the advantages of Variable Speed Drive — including lower energy bills, quieter operation, and longer equipment life — at a price point that finally makes sense for fixed-speed users.

// Power range

7.5 to 22 kW

// Technology

Permanent Magnet (PM) motor with direct drive

// Cooling

Oil-cooled motor for superior durability and performance

// Design

In-house engineered airend for maximum efficiency

Whether you're running a small workshop or a larger facility with modest air needs, the FORMULA & GENESIS I 7.5-22 PM is your smart, future-ready solution.

Why choose FORMULA & GENESIS I 7.5-22 PM?

✓ **Energy efficiency without the premium price**

✓ **Quiet, reliable, and built to last**

✓ **Ideal for low-duty applications**

✓ **Compact, plug-and-play design**

Smart, efficient, and cost-effective — now that's an easy decision.

Benefits of FORMULA & GENESIS I 7.5-22 PM

- Up to 45 % energy saving PM technology with in-house designed airend
- IE4 motor efficiency
- Oil-cooled, IP54, Class H motor ensures reliability in dusty and humid conditions
- Reliable operation, even in ambient temperatures up to 46 °C
- Pressure range between 4 and 10 bar
- Small footprint
- Low noise
- INFOLOGIC² Connect

Premium compression technology

Oil-cooled IE4 efficiency and Class H Interior Permanent Magnet (IPM) motor:

maintenance free; includes innovative oil-cooling technology for optimal performance in up to 46°C.

IP54 electrical cubicle:

ideal for harsh environment it can withstand up to 60°C with the highest standards in EMC performance.

In-house designed compression element:

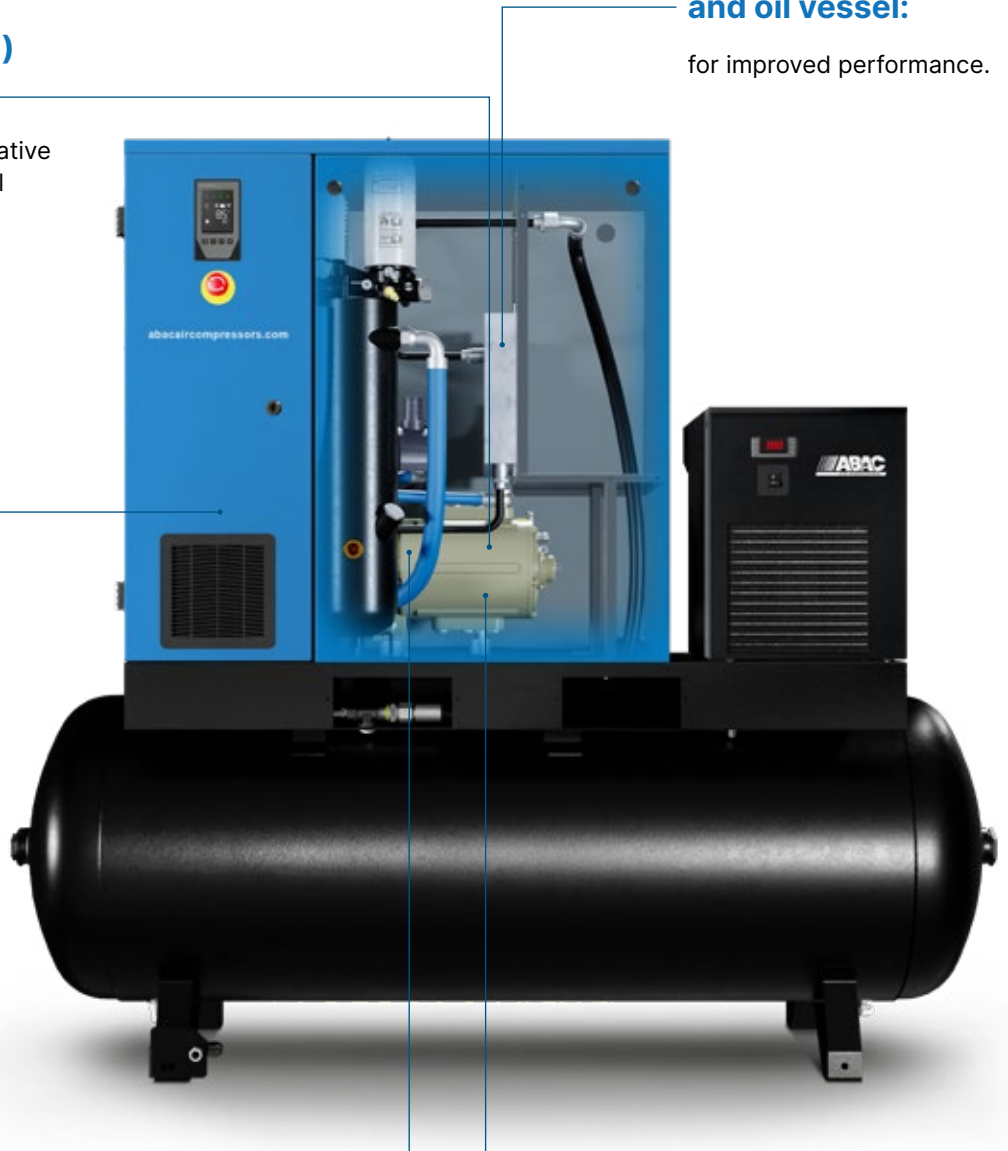
gives you best-in-class free air delivery and specific energy requirement.

Oversized coolers and oil vessel:

for improved performance.

Drive train:

IE4 oil-cooled motor for optimal cooling performance. All-new conical coupling design for fast maintenance on the drive train.



Options list

// 8000 hours oil

// Foodgrade oil

// MK5 touch

// DC choke (only sales option)

// Wooden box & crate options

// Timer drain tank*

// Stirrup forklift*

// Aftercooler*

// Water Separator - WSD**

// Line filter G**

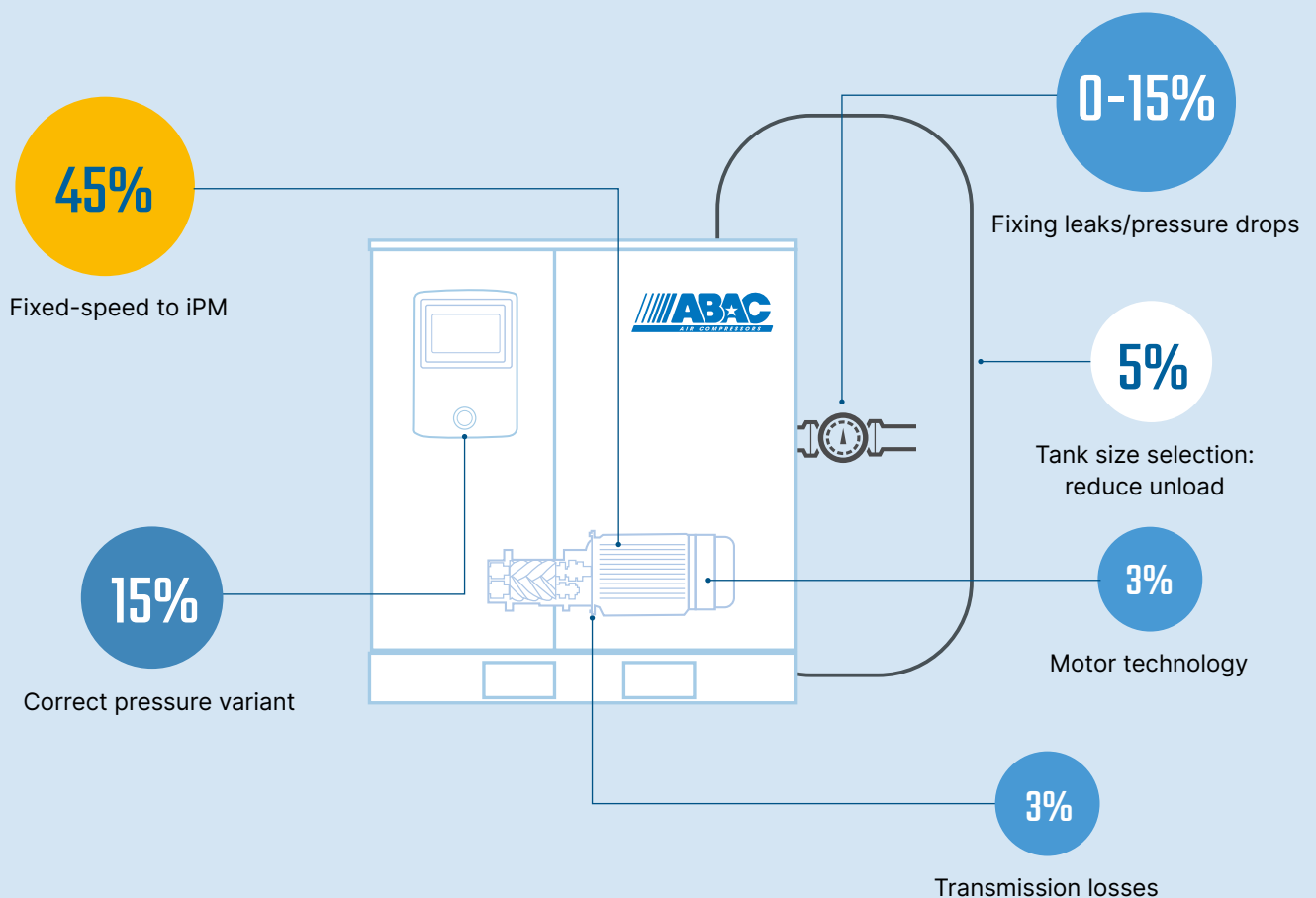
* Only for 7.5 - 15 kW

** Only for 15 - 22 kW

Maximize your energy savings

Energy is by far the biggest cost of owning and operating a compressor. Luckily, there are many options to minimize the energy consumption of your air system. Technologies such as energy recovery can have a huge impact on your bottom line and your environmental footprint, with energy savings of up to 75 %.

A holistic view of your compressed air system is key. It starts with the selection of efficient technologies when buying your compressor. But it doesn't end there. Monitoring and analyzing your air system as you use it will often reveal optimization opportunities. Your ABAC representative can help you find those savings.



Belt to PM

BELT



- Base compressor design for years
- Compact, all-in-one design
- Reliable
- Easy to service
- Low investment cost



PM



- All belt compressors benefits
- Up to 45 % energy saving due PM motor technology
- Direct drive – one shaft arrangement does not need adjustment in any condition
- IP54, Class H motor ensures robustness

Smart control with INFOLOGIC² Connect

The **INFOLOGIC² Connect** controller takes compressor management to the next level — making your system easier to operate, more reliable, and more energy-efficient. With **automatic over-the-air software updates**, your compressor continues to improve over time.



Key features



User-Friendly Interface

Intuitive display for quick and easy operation.



Remote Monitoring & Control

Full connectivity for real-time access and management from anywhere.



Proactive Alerts

Real-time warnings and shutdown alarms to prevent downtime.



Maintenance Insights

Service status, history, and notifications at your fingertips.



Leakage Detection

Helps identify and reduce costly air leaks.



Flexible Pressure Settings

Easily adjust pressure bands via the ICONS app.



Automatic Software Updates

Stay up to date with the latest features and improvements—no manual intervention needed.

Performance data

Model	Min. working pressure	Reference working pressure	Motor power		Min. FAD*		Free Air Delivery @ reference conditions* Max. FAD*				Noise level **	Cooling air flow	Weight (kg)			
													Base Mounted	Base Mounted + Dryer	Tank Mounted + Dryer	
															270 L	500 L
	bar	bar	kw	hp	m³/h	l/s	7 bar m³/h	7 bar l/s	9.5 bar m³/h	9.5 bar l/s	dB(A)	m³/s				
Formula I 7.5 PM	4	10	7,5	10	21,2	5,9	73,4	20,4	63,4	17,6	64	0,61	193	-	-	-
Genesis I 7.5 PM													-	-	332	362
Formula I 11 PM	4	10	11	15	18,4	5,1	109,4	30,4	88,2	24,5	65	0,61	193	-	-	-
Genesis I 11 PM													-	-	332	362
Formula I 15 PM	4	10	15	20	19,4	5,4	120,6	33,5	111,6	31	66	0,61	202	-	-	-
Genesis I 15 PM													-	-	339	371
Formula I 15X PM	4	10	15	20	34,2	9,5	171	47,5	146,2	40,6	67	0,69	310	355	-	-
Genesis I 15X PM													-	-	-	530
Formula I 18 PM	4	10	18,5	25	32,8	9,1	200,2	55,6	172,4	47,9	69	0,97	325	375	-	-
Genesis I 18 PM													-	-	-	550
Formula I 22 PM	4	10	22	30	37,8	10,5	229,7	63,8	194,8	54,1	71	0,97	330	385	-	-
Genesis I 22 PM													-	-	-	560

* Unit performance measured according to ISO 1217, Annex C, latest edition

** Noise level measured according to ISO 2151:2004 using ISO 9614/2

Dimensions

Formula/Genesis I 7.5 - 15 PM

Model	Dimensions (mm)		
	Length	Width	Height
Base Mounted - Formula	1000	655	1062
Tank Mounted Dryer 270 L - Genesis	1540	655	1550
Tank Mounted Dryer 500 L - Genesis	1875	655	1680

Formula/Genesis I 15X - 22 PM

Model	Dimensions (mm)		
	Length	Width	Height
Base Mounted	1200	835	1220
Base Mounted Dryer	1450	835	1220
Tank Mounted Dryer	1940	835	1835



Air. Anytime. Anywhere.

**Step into the future of
compressed air**

Contact your local ABAC representative now

www.abacaircompressors.com

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