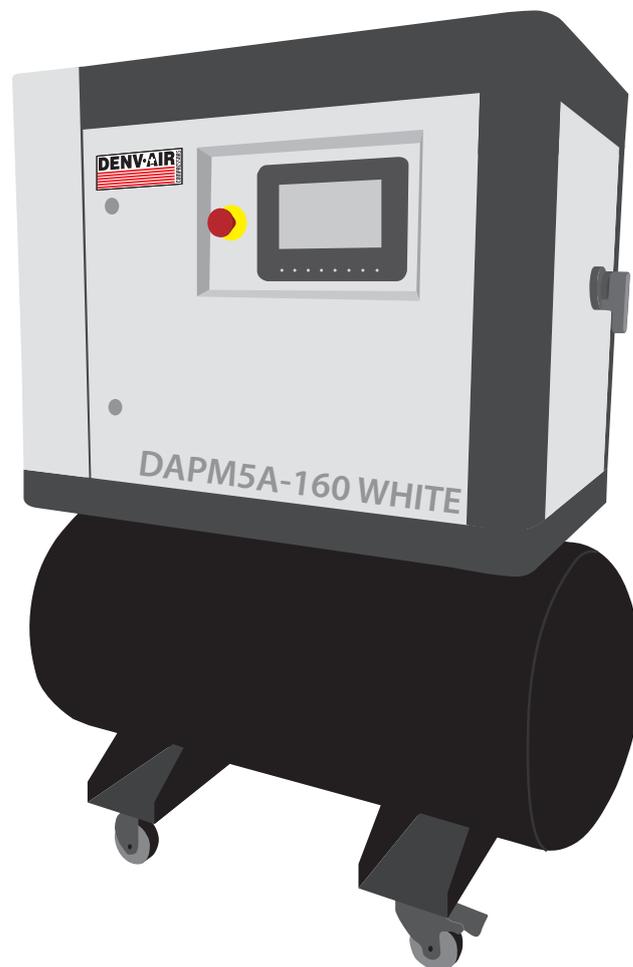




## COMPRESSOR TECHNOLOGY

COMPACT COMPRESSOR CONSTRUCTION  
SUITABLE FOR SMALL PLACES



**WHITE LINE**

**DAPM**

ENERGY SAVING SCREW COMPRESORS 2,2-5,5 KW

# ENERGY AND TRADITION

## DENV-AIR WHITE LINE

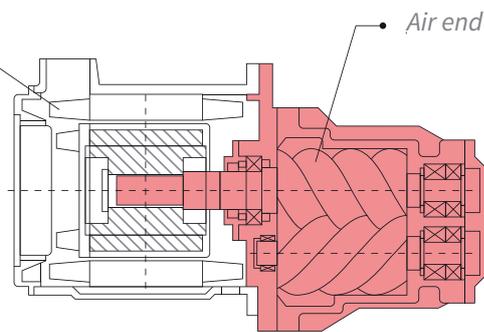
- DENV-AIR newest affordable compact compressor line with minimal space requirements, in the small performance category 2,2 -5,5kW
- upon request: compressor, compressor with small tank, compressor with tank and dryer
- rolling wheels, easy to move
- energy saving compressor in a small compressor housing
- variable speed
- modern oil-cooled engine
- 2-10 °C dew point dryer

## MODERN TECHNOLOGY

- we succeed to achieve the perfect 100% direct drive
- permanent magnet motor and air end built together
- no belts, no gears neither coupling
- inner steel pipes instead of rubber hoses (never need to be replaced)
- half length electric motor without bearings (which means that it is completely maintenance free)
- soft start, avoiding electrical network overload
- excessively silenced operation (-10 dB(A))
- cooling air inlet from the bottom, hot air outlet at the top

### Main elements of the new PM construction:

High efficiency permanent magnet PM motor (DAPM type)



100% DIRECT DRIVE

### DAAM/ DAPM touchscreen control panel:



- one of the most modern visual display control panel on the market
- working mechanism illustrated
- fully monitored working process, including pressure, temperature, frequency, current and power consumption
- faults and maintenance information message display and storage

### Main advantages of the new DAPM construction:

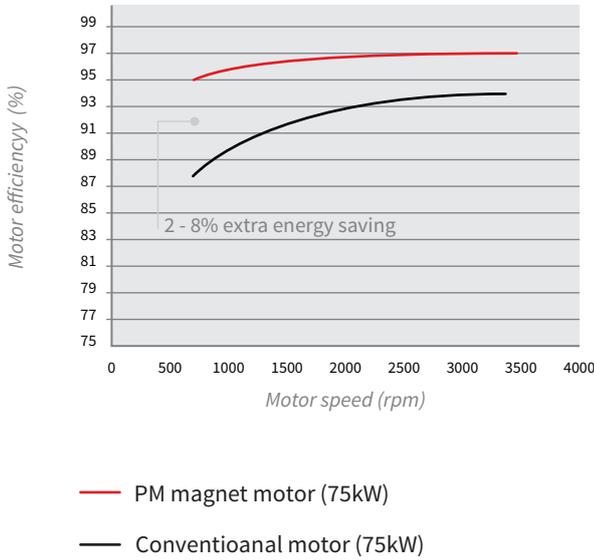


- economical due to the variable speed control system
- equal efficiency overall the full regulation range
- 30-40% less energy consumption
- longer lifetime, higher efficiency
- low operational and maintenance costs
- fast payback time because of the value analyzed price

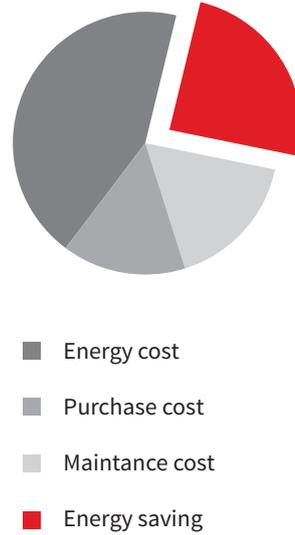
# REVOLUTIONARY DESIGN

## Outstanding energy saving of the DAPM compressors:

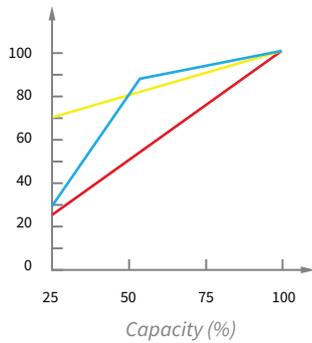
Efficiency comparison



Total cost distribution by category in 5 years interval

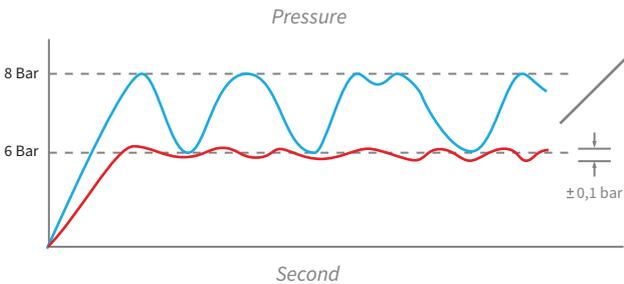
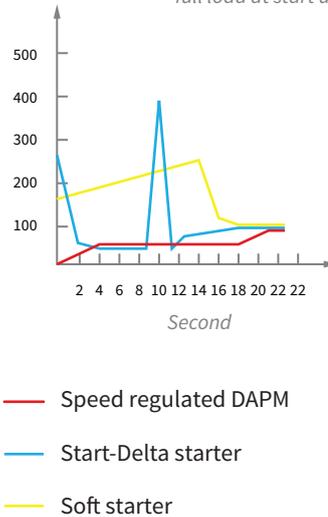


Motor performance (%)



OUTSTANDING ENERGY SAVING

Power consumption referring to full load at start up (%)



With speed regulation at least 2 bar differential pressure can be recovered in the enegy saving range.

Lowering the working pressure level with 1 bar results 7% saving relating the energy consumption. Therefore skipping 2 bar differential pressure could result up to 14% saving regarding the total consump- ted energy value.

- Variable speed regulated DAPM compressor (permanent and precise pressure level holding)
- On load/Off load controlled conventional compressor

# RELIABILITY AND EXPERTISE

- Base mounted screw compressor
- Screw compressor
- + 160 litres air tank with wheels
- Screw compressor
- + 200 litres air tank with wheels and dryer
- Optionally equipped with in-line filters
- Small size, compact design
- Quiet, environmentally friendly
- 30-40% energy saving



The WHITE LINE series compressed air system integrates the screw compressor, dryer and tank into a single system. This compact workstation provides a complete solution for producing clean and dry compressed air. Just plug-in the consumer to the outlet pipe, connect it DAPM white line koMPresszor electrically (by a specialist) and the system is ready to use.



Model		DAPM3A WHITE	DAPM3A 160_WHITE	DAPM3A 200_WHITE	DAPM4A WHITE	DAPM4A 160_WHITE	DAPM4A 200_WHITE	DAPM5A WHITE	DAPM5A 160_WHITE	DAPM5A 200_WHITE	DAPM7.5A WHITE	DAPM7.5A 160_WHITE	DAPM7.5A 200_WHITE
Nominal motor power (kW)		2.2	2.2	2.2	3	3	3	4	4	4	5.5	5.5	5.5
Free air delivery (m <sup>3</sup> /min)	8 bar	0.23	0.23	0.23	0.34	0.34	0.34	0.5	0.5	0.5	0.62	0.62	0.62
	10 bar	0.21	0.21	0.21	0.3	0.3	0.3	0.43	0.43	0.43	0.55	0.55	0.55
Noise level (dB(A))		≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60	≤60
Connection		G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"
Dimensions (mm)	L	890	1125	1155	890	1125	1155	890	1125	1155	890	1125	1155
	W	540	540	540	540	540	540	540	540	540	540	540	540
	H	700	1195	1195	700	1195	1195	700	1195	1195	700	1195	1195
Weight (kg)		115	165	210	115	165	210	115	165	210	115	165	210
Variable speed drive (inverter)		X	X	X	X	X	X	X	X	X	X	X	X
Permanent magnet motor		X	X	X	X	X	X	X	X	X	X	X	X
Tank 160 litres			X			X			X			X	
Tank 200 litres				X			X			X			X
Dryer				X			X			X			X
Power (V / ph / Hz)		400 / 3 / 50											

**Available options:** in-line filters, automatic condensate drains under the tank or filters, remote monitoring system, built-in heat recovery system  
power: 220 Volt / 1 ph / 50 Hz

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