



COMPRESSOR TECHNOLOGY

VALUE ANALYZED – REVOLUTIONARY TECHNOLOGY
DESIGNED SCREW COMPRESSOR



CARBON LINE

DAPM IID

TWO-STAGE VARIABLE SPEED
ENERGY SAVING SCREW COMPRESSORS

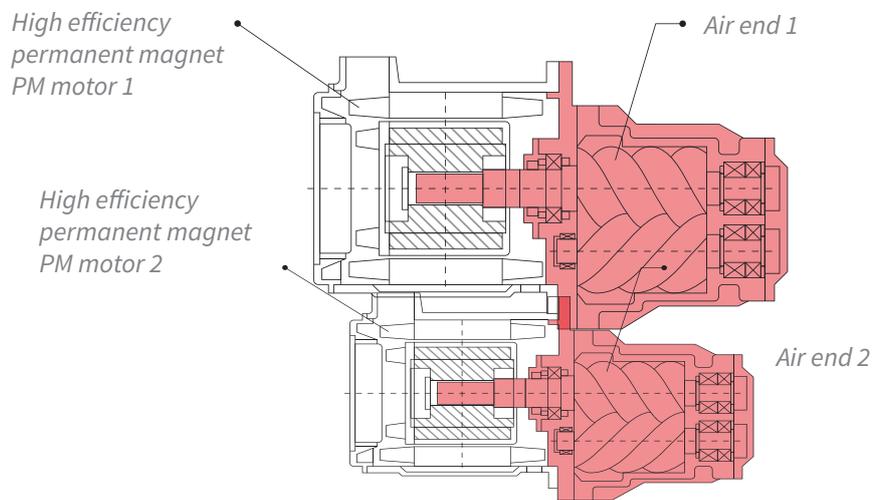
INNOVATIVE TWO-STAGE PERMANENT MAGNETIC COMPRESSOR TECHNOLOGY

As a developer, our company offers screw compressors equipped with two-stage permanent magnet motor.

With this development, the energy saving of an inverter screw compressor can be further increased, which means nearly 50% compared to conventional technologies.

We can offer the machines – adapted to current industrial needs – in the power range of 22Kw-250kW.

HIGH EFFICIENCY DOUBLE AIR END



SYNCHRONOUS MOTORS WITH CONTINUOUS SPEED CONTROL

- unique coordinated electronic speed regulation and control in both compression stages

PERMANENT MAGNET SYNCHRONOUS MOTORS WITH 100% DIRECT DRIVE

- both the first and the second air end are connected to the drive motor with 100% direct drive

HIGH PRECISION DESIGN

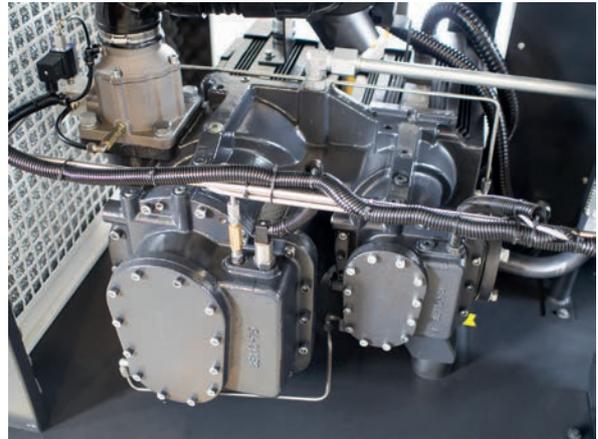
- each air end undergoes a quality design and testing process
- the asymmetric rotor profile increases the efficiency by 3-5%



ENVIRONMENTALLY FRIENDLY ENERGY MANAGEMENT

Each air end undergoes a quality design and testing process.

A lower compression ratio extends the life of the bearings and air end.



OUTSTANDING ENERGY SAVING

Our newly developed two-stage screw compressor based on the law of physics provide an outstanding energy saving as a result of the coordinated work of the twin inverters.



CONVENTIONAL SREW COMPRESSOR

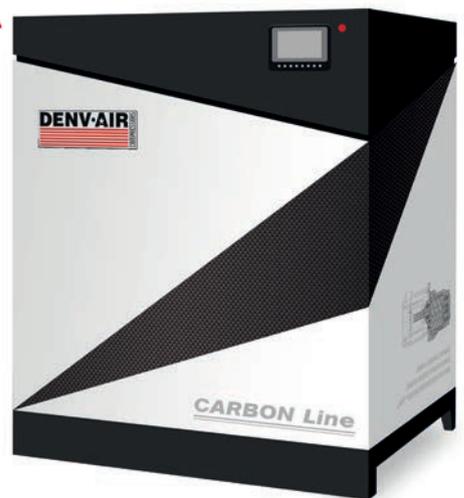


**30-40 %
ENERGY
SAVING**

DAPM RED LINE
INVERTER SREW COMPRESSOR
(VARIABLE SPEED)



**40-50 %
ENERGY SAVING**



DAPM CARBON LINE
DOUBLE AIR END AND DOUBLE INVERTER
(VARIABLE SPEED) SREW COMPRESSOR

OUTSTANDING
ENERGY
SAVING

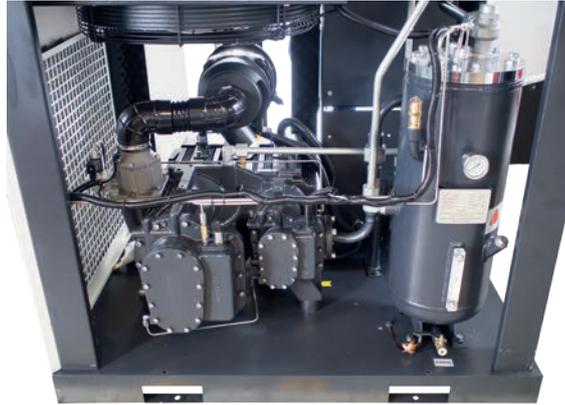
**INCREASED AIR DELIVERY
SOFT SPEED ADJUSTMENT
LOW NOISE LEVEL
FIRST CLAS ENERGY EFFICIENCY
DOUBLE INVERTER CONTROL**



NOISE LEVEL

The rotation speed of the stages does not exceed 2200RPM, which significantly reduces the noise level.

RELIABILITY AND EXPERTISE



DAPM CARBON LINE TWO-STAGE VARIABLE SPEED SCREW COMPRESSOR MODELS

Model	DAPM 30A-IID	DAPM 40A-IID	DAPM 50A-IID	DAPM 60A-IID	DAPM 75A-IID	DAPM 100A-IID	DAPM 120A-IID	DAPM 150A-IID	DAPM 175A-IID	DAPM 200A-IID	DAPM 250A-IID	DAPM 270A-IID	DAPM 300A-IID	DAPM 350A-IID	
Nominal motor power (kW)	22	30	37	45	50	75	90	110	132	160	185	200	220	250	
Free air delivery (m ³ /min)	7 bar	4,75	6,28	7,6	9,26	11,46	16	19,05	23,76	27,55	33,28	40,32	43,55	49,35	54,81
	8 bar	4,51	5,97	7,24	8,8	10,92	15,24	18,13	22,57	26,25	32,23	37,38	41,85	45,99	52,06
	10 bar	4,06	5,29	6,52	7,92	9,82	13,71	16,49	20,58	23,85	28,56	33,28	37,46	41,26	46,28
Noise level dB(A)	≤75	≤75	≤75	≤78	≤80	≤80	≤85	≤85	≤85	≤85	≤85	≤85	≤85	≤85	
Connection	G 1 1/4"	G 1 1/2"	G 1 1/2"	G2	G2	DN65	DN65	DN65	DN65	DN100	DN100	DN100	DN100	DN100	
Dimensions (mm)	L	1100	1300	1350	1650	1650	2670	2670	2740	2740	3978	3978	3978	3978	
	W	950	1000	1050	1300	1300	1880	1880	2145	2145	2378	2378	2378	2378	
	H	1410	1455	1350	1850	1850	1720	1720	2000	2000	2260	2260	2260	2260	
Weight (kg)	590	670	670	1360	1360	2800	2800	3550	3550	6000	6000	6000	6000	6000	
Power	400V / 3 ph / 50 Hz														

Available options: in-line filters, tank, air dryer, automatic condensate drains under the tank or filters, remote monitoring system, built-in heat recovery system

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