

SUCCESS THROUGH QUALITY



OIL-INJECTED DIRECT DRIVE
SCREW COMPRESSORS

EKO 11-15-18-22 D VST



EKO 11-15-18-22 D VST OIL-INJECTED DIRECT DRIVE SCREW COMPRESSORS

Since it was founded, Ekomak has cared about developing its products and services. The work that it does with its experienced employees in the compressed air sector to meet our customers' need and demands is the source of this development.

Our direct drive and inverter controlled product line, which fully meets our customer's needs and demands, emerged as a direct result of this.

Furthermore, our worldwide 24/7 service network further strengthens our position in the compressed air sector.



- ✓ INNOVATIVE DESIGN.
- ✓ INDUSTRIAL EXPERIENCE
- ✓ WORRY-FREE USE
- ✓ TOTAL COST ADVANTAGE
- ✓ ENVIRONMENT FRIENDLY

PASSION FOR TECHNOLOGY AND INDUSTRIAL EXPERIENCE COMBINED

We developed our design understanding for more practical installation and maintenance so you can focus on your work. You can find the right compressor with the right options for all your business's needs and expectations among our line of products. A production process that is more profitable thanks to its investment return guarantee and more sustainable due to its reduced carbon footprint awaits. Furthermore, thanks to our friendly customer relations, we are always there at your side to respond quickly to your changing needs.

THE PRODUCT LINE THAT MEETS ALL YOUR NEEDS

With our EKO 11-15-18-22 direct drive and inverter controlled product line, you can find effective, reliable, and complete solutions that meet your changing compressed air requirements.

DIFFERENT SOLUTIONS FOR DIFFERENT NEEDS

- Power options between 11 and 22 kW.
- Pressure between 5.5 and 12.5 bar for each model.
- Floor- or tank-mounted; with or without an integrated dryer.

DIRECT DRIVE SCREW PRODUCT LINE

- Up to 15% reduction in SER (unit energy expenditure) and up to 20% increase in FAD (Free Air Efficiency) compared to the previous version.
- Less energy loss than belt applications.
- High efficiency fan motor.

ADVANCED SOUND INSULATION

- As quiet as 63 dB(A)
- May be installed in workshops thanks to low noise level.

SAFE AND EASY TO MAINTAIN

- Ease of installation thanks to numerous configurations and scope of supply.
- Easy and practical service operations thanks to removable wide panels.
- Low maintenance costs.

OPTIONS

- Graphic and integrated central control.
- Compressed air filter to improve air quality.
- Dryer (WSD) to protect your dryer from moisture.
- Many more options to customize your machine!



HIGHEST STANDARDS

EKO 11-15-18-22 sets new standards for operational strength, quality, operational safety, service life, and user comfort.

HIGH EFFICIENCY AIR PRODUCTION SYSTEM

Efficient compressed air production with minimum loss thanks to the combination of screw compressor technology and gear drive used in fixed speed units. All gear sets are sized so the gear assembly can achieve optimum performance range.

- High performance (in terms of air production and energy consumption)
- Screw blocks designed inside the group
- IP55 F class IE3 efficient Motor
- Up to 20% SER and FAD improvement over the previous generation with high efficiency, tested Screw group(1), direct transmission (2) and new converter (3).
- Oil separation (4) designed to provide minimal pressure drop and oil transport of less than 3 ppm.

COMPACT DESIGN

- Tank-mounted solution (5) to save space.
- Simple installation and high quality compressed air thanks to the large integrated refrigerant dryer (6).

USER COMFORT

- Advantage of installation close to the workplace thanks to its low noise level.
- Effective cooling with high efficiency and low energy consumption fans.
- Easy oil level check with external oil level sight glass (7).
- Practical service operations thanks to easily removable panels.
- Easy transport and placement thanks to forklift lifting points (8).

AT YOUR SERVICE EVEN IN THE MOST DIFFICULT CONDITIONS

- Active filtering (9).
- Efficient electric fan (10).
- Very large vertical heatsink (11) providing best cooling flow at ambient temperatures up to 46°C.



ALTERNATIVE APPLICATION OPTIONS TO MEET YOUR NEEDS.

The EKO 11-15-18-22 is available in floor-mounted, tank-mounted, and tank-mounted with dryer options. Air tank capacities are 270 and 500 liters. Alternative application options allow you to get the highest efficiency from the compressor.



AIR QUALITY

The automatic draining internal water separator removes up to 90% of moisture from the compressed air (standard on dehumidifiers).

Line filter provides oil and dust removal up to 0.1 ppm (optional floor units with integrated dryer).



INTERACTIVE CONTROL MODULE

Compressor chamber management (12): Time synchronization and more energy savings thanks to the reduction of the working pressure.



Please contact your local representative for more information on how your options can optimize your operations.

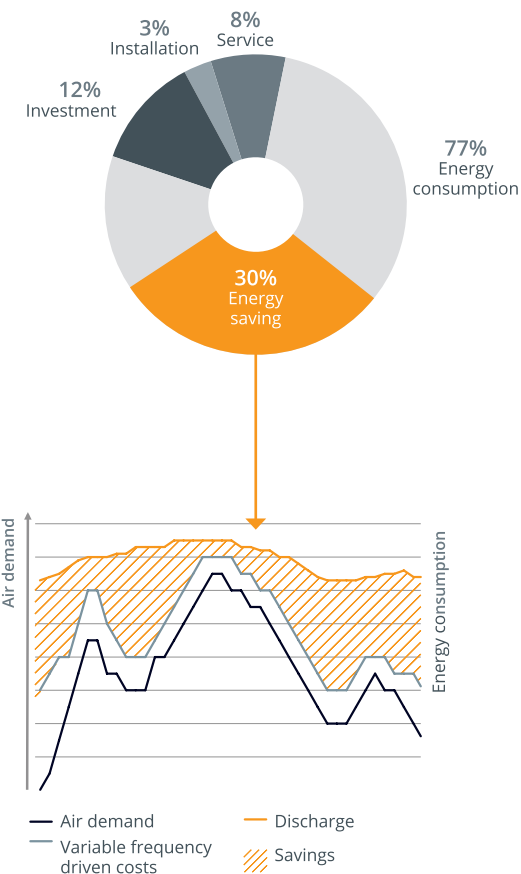
HOW CAN YOU OPTIMIZE YOUR ENERGY CONSUMPTION WITH VST TECHNOLOGY?

Energy costs account for approximately 70% of your total compressor running costs over a five- year period. It is therefore important to reduce the running costs of your compressed air solutions. Variable speed technology can reduce your compressor's energy bill by up to 30%.



VARIABLE SPEED TECHNOLOGY REDUCES ENERGY CONSUMPTION AS FOLLOWS:

- Variable frequency driven compressor adapts the air supply to demand and reduces energy consumption when demand is lower. If the demand is constant, the air control controller ensures a constant set pressure.
- There is no unloading cycle above 20% load.
- No current spike due to soft start.



EKO 11-15-18-22 VST

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EKO 15-18-22 G SERIES TECHNICAL SPECIFICATIONS

780 X 1130 X 1220	CAPACITY (m ³ /min)				MOTOR POWER	CONNEC- TION	DIMENSIONS (mm.)	WEIGHT 270 Lt Tank
	7 bar	8 bar	10 bar	13 bar				
					kW/hp	Diameter	Width x Length x Height	(kg)
EKO 15 GC	2.70	2.53	2.28	1.95	15/20	1"	780 X 1130 X 1220	374
EKO 15 GCR	2.70	2.53	2.28	1.95	15/20	1"	780 X 1950 X 1850	506.5
EKO 15 GCRD	2.70	2.53	2.28	1.95	15/20	1"	780 X 1950 X 1850	560.5
EKO 18.5 GC	3.31	3.14	2.94	2.28	18.5/25	1"	780 X 1130 X 1220	384
EKO 18,5 GCR	3.31	3.14	2.94	2.28	18.5/25	1"	780 X 1950 X 1850	516.5
EKO 18.5 GCRD	3.31	3.14	2.94	2.28	18.5/25	1"	780 X 1950 X 1850	570.5
EKO 22 GC	3.84	3.72	3.25	2.77	22/30	1"	780 X 1130 X 1220	438
EKO 22 GCR	3.84	3.72	3.25	2.77	22/30	1"	780 X 1950 X 1850	570.5
EKO 22 GCRD	3.84	3.72	3.25	2.77	22/30	1"	780 X 1950 X 1850	624,5

EKO 11-15-18-22D VST SERIES TECHNICAL SPECIFICATIONS

MODEL	CAPACITY (m³/min)								MOTOR POWER	NOISE LEVEL	CONNEC- TION	DIMENSIONS (mm.)	WEIGHT
	7 bar		8 bar		10 bar		13 bar						
	min.	max.	min.	max.	min.	max.	min.	max.					
									kW/hp	dB(A)	Diameter	Width x Length x Height	(kg) 500 lt Tank
EKO 11D VST C	0.28	1.74	0.37	1.60	0,45	1.40	0.48	1,12	11/15	68	3/4	615 X 695 X 1050	247
EKO 11D VST CR	0.28	1.74	0.37	1.60	0,45	1.40	0.48	1,12	11/15	68	3/4"	615 X 1900 X 1670	362.5
EKO 11D VST CRD	0.28	1.74	0.37	1.60	0,45	1.40	0.48	1,12	11/15	68	3/4"	615 X 1900 X 1670	416.5
EKO 15D VST C	0.26	2,17	0.44	2.07	0.48	1.80	0.54	1.38	15/20	70	3/4"	615 X 965 X 1050	247
EKO 15D VST CR	0.26	2.17	0.44	2.07	0.48	1.80	0.54	1.38	15/20	70	3/4"	615 X 1900 X 1670	362.5
EKO 15D VST CRD	0.26	2.17	0.44	2.07	0.48	1.80	0.54	1.38	15/20	70	3/4"	615 X 1900 X 1670	416.5
EKO 18D VST C	1.0	3.42	1.0	3,24	1.0	2.94	1.0	2.41	18.5/25	72	1"	780 X 1130 X 1220	300
EKO 18D VST CR	1.0	3.42	1.0	3,24	1.0	2.94	1.0	2.41	18.5/25	72	1"	780 X 1950 X 1850	432.5
EKO 18D VST CRD	1.0	3.42	1.0	3,24	1.0	2.94	1.0	2.41	18.5/25	72	1"	780 X 1950 X 1850	486.5
EKO 22D VST C	1.01	3.84	1.01	3.60	1.01	3.30	1.01	2.94	22/30	72	1"	780 X 1130 X 1220	315
EKO 22D VST CR	1.01	3.84	1.01	3.60	1.01	3.30	1.01	2.94	22/30	72	1"	780 X 1950 X 1850	447,5
EKO 22D VST CRD	1.01	3.84	1.01	3.60	1.01	3.30	1.01	2.94	22/30	72	1"	780 X 1950 X 1850	501.5

DIMENSIONS OF OPTIONAL 270 LT. TANK

MODEL	DIMENSIONS (mm.)	WEIGHT 270 Lt Tank
	Width x Length x Height	(kg)
EKO 11C	615 X 695 X 1050	247
EKO 11CR	615 X 1900 X 1670	320.5
EKO 11CRD	615 X 1900 X 1670	374.5
EKO 15C	615 X 695 X 1050	247
EKO 15CR	615 X 1900 X 1670	320.5
EKO 15CRD	615 X 1900 X 1670	374.5



GULF DYNAMIC TRADING

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Contact your local Ekomak representative now: www.ekomak.com.