



# 90 kW - 315 kW NEW SERIES EKO PLUS



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# EKO CD 90-160



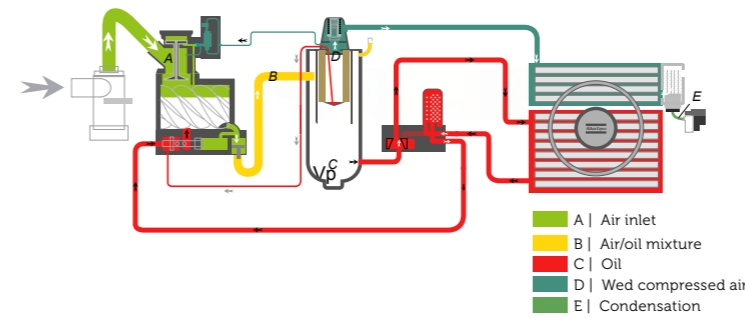
**MORE** Reliable  
Efficient...

## EKO CD 90-160

Superior screw element provides the optimum combination of maximum free air distribution and low energy consumption. The element, having the latest technology, is powered with Efficiency Class 1/NEMA IE3 electrical motors and contributes to the maximum efficiency. Competent R&D department is continuously invested to, for maximising the efficiency which creates outstanding customer value.

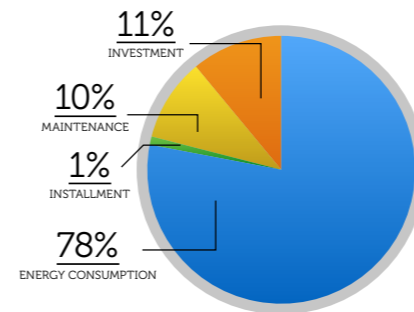


### High efficiency rotor



### LOAD-UNLOAD COMPRESSOR

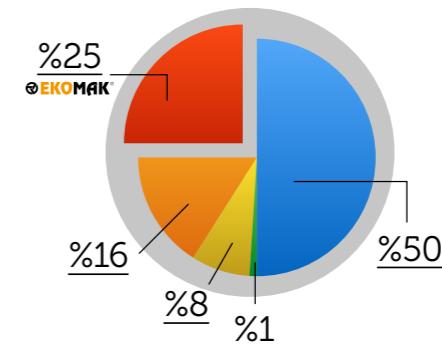
FIXED SPEED UNLIKE CONVENTIONAL



In 5 years of working of a standart compressor %78 of the total cost of pressured air is energy consumption

### VARIABLE SPEED

VST SERIES COMPRESSORS



There is %36 savings from energy and this means %25 decrease in the total cost

**With variable speed driver, Ekomak brings you cost-effectiveness...**

Our compressors constantly monitor the air need and adjust the system in order to stabilize the pressure by feedback sensors. This prevents the energy losses of the load/unload condition.





## ES4000 Advanced Control Panel

From now on, your compressor or your dryer offers you even more monitoring. The new ES4000 Advanced is equipped with the graphics monitoring and reporting the operating values on the screen. It helps you to see how your compressor works on a configured time scale.

## Latest technology screw element

- Licensed asymmetrical element profile and innovatively designed bearings introduce low abrasion and high reliability.
- By means of the perfect performance of the screw element energy consumption is reduced by % 5-6 Efficient air-oil separation.
- Reduction of pressure drops and energy costs
- Low oil consumption leads to minimum maintenance costs, and a long lifetime. Simple installment, simple use and service
- It guarantees continuous optimized pressure by maintaining a high level of energy saving.
- Simple, no maintenance needed installment with less moving parts. Air-water separator (standard)
- The final cooler with the air-water separator integrated separates the condensation efficiently and provides high-quality compressed air.
- TEFC IP55 Motor (Class F Isolation B) ensures protection against dust and chemicals
- Stable and longtime operating even in harsh working conditions where the temperature is up to 40°C (104°F)

### FIXED SPEED

MODEL	Capacity (m³/min)				Motor Power kW/hp	Noise Level dB(A)	Connection	Dimensions (mm) Length x Width x Height	Weight (Kg) Air Cooling	Weight (Kg) Water Cooling
	7 bar	8 Bar	10 Bar	13 bar						
EKO 90CD	16,3	16,3	14,5	11,8	90/125	76	G2"	2255x1060x1600	1680	1610
EKO 110CD	19,6	18,5	15,9	13,5	110/150	78	G2"	2255x1200x1600	2060	1920
EKO 132CD	25,3	23,8	21	18,1	132/180	77	DN80	2875x1750x2105	3300	3200
EKO 160CD	28,3	27,5	25,2	21,9	160/220	78	DN80	2875x1750x2105	3650	3250
EKO 200CD	34,2	33,1	30,3	27	200/270	79	DN100	3525x1750x2005	3950	3640
EKO 250CD	41,5	39,3	37,5	32,7	250/340	80	DN100	3525x1750x2005	4170	3840
EKO 250CD +	46,1	42,3	39,4	34,9	250/340	77	DN125	4800x2150x2275	5350	5310
EKO 315CD	52,3	52,2	48,2	42,7	315/422	78	DN125	5020x2150x2275	6380	5730

### WITH INVERTOR

MODEL	Capacity (m³/min)								Motor Power kW/hp	Noise Level dB(A)	Connection	Dimensions (mm) Length x Width x Height	Weight (Kg) Air Cooling	Weight (Kg) Water Cooling
	7 bar		8 Bar		10 Bar		13 bar							
	min.	max.	min.	max.	min.	max.	min.	max.						
EKO 90CD VST	5,1	16,3	5	16,3	4,5	14,5	3,7	11,8	90/125	76	G2"	2255x1060x1600	1720	1670
EKO 110CD VST	6,2	19,6	5,8	18,5	5,3	15,9	4,3	13,5	110/150	78	G2"	2445x1200x1600	2100	2010
EKO 132CD VST	7,9	25,3	7,5	23,8	6,6	21	5,7	18,1	132/180	77	DN80	2875x1750x2105	3550	3380
EKO 160CD VST	8,9	28,3	8,4	27,5	7,9	25,2	6,8	21,9	160/220	78	DN80	2875x1750x2105	3980	3530
EKO 200CD VST	10,7	34,2	10,2	33,1	9,5	30,3	8,1	27	200/270	79	DN100	3625x2105x2045	4320	3950
EKO 250CD VST	13,1	41,5	12,3	39,3	11,5	37,5	10	32,7	250/340	80	DN100	3625x2105x2045	4530	4180
EKO 250CD VST+	14,5	46,1	13,3	42,3	12,6	39,4	11,3	34,9	250/340	77	DN125	4800x2150x2275	5750	5460
EKO 315CD VST	16,5	52,3	16,5	52,2	15,1	48,2	14,2	42,7	315/422	78	DN125	5020x2150x2275	6900	6250

\* Dimensions are given for the Air Cooling Compressors. For the Water Cooling models please make contact with us.



## Control Panel Parameters

General	Advanced
Screen	Grafik
Digital inputs	10
Analog inputs	7
Dijital output	9
IO extendable	*
4 Led status indication (Alarm / Service / Operation / Power on)	•
Ethernet port	•
CAN port	2
SD card slot	•
RS485	1
Properties	
Close pressure control	•
Dual pressure setting point (4)	•
Recording conditions	•
Pre-heating indicator	•
Remote control	•
Automatic Restart After Voltage Failure	•
Dryer Savings Cycle (3)	•
Delay Second Stop (2)	•
Day / Week organizer	•
Service plan indicator with graphics (5)	•
Free online compressor screening with intranet (browser based) (6)	•
ECO4i multiple compressor control	optional
ECO6i multiple compressor control	optional
SMS service	optional
Remote pressure detection	optional
Graphics on the controller screen (1)	•



# EKO CD 200-315



**MORE** Reliable  
Efficient...



## EKO CD 200-315

The new EKO CD / VST series gear-driven fixed and variable speed screw air compressors provide maximum energy efficiency and minimum maintenance cost. EKO CD VST series compressors, equipped with frequency converters, are variable speed compressors which save energy up to % 36. This makes %25 reduce in the total cost.

### Avantajlar

Lower operating and investment cost

Easy to carry

Eco-friendly

Detailed monitoring, reliable design

Long lifetime

Low noise levels

Electronic multiple-function controller inverter

Small space occupation

Easily accessible compressor and service

### Options

- Inverter
- "Water cooling" unit
- Integrated heat recovery
- For tropical environments
- Custom color
- Multiple compressor operating and managing system



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