Direct-Coupled Frequency Inverter Screw Compressor Superior Series

OSC DS (18,5-355 kW)

Quality Equipment

- Compatible with next generation technologies.
- It works quietly.
- Ozen Kompresor uses components that are compatible with world standards.
- High performance and durability provide peace of mind.
- It is easy to find the products with the desired specifications.
- Access to after-sales services is effortless.

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Air-end
High-efficent and high-quality elements

Super Premium Efficient Motor
Provides superior efficiency and performance thanks to its unrivalled motor.

Ozen Drive - 1:1 Coupling
- Improves compressor efficiency by the motor power transmission to the screw block with 1:1 ratio.
- Saves energy by eliminating losses due to friction.

Vertical Oil Separator Design
- ASME/CE approved tank
- Minimum pressure drop
- Oil level control
- Immersion separator

Ease of Service
- The strategic positioning of product components provides ease of maintenance.
- With easily available spare parts, maintenance is no longer an issue.

"RCD" – Radial Cooling Design
- Guaranteed cooling performance with large size radiator pack.
- Strong, compact design provides durability that is tested and proven under tough work conditions.
- Enables your compressor to keep working with high efficiency under various conditions.
- Radial fan ensures quiet operation and high cooling performance.

Maestro
- User-friendly control panel indicators facilitate the assessment of the equipment as well as the planning of maintenance.
- Up to four compressors can be managed from a single control point, providing ease of use and energy savings.
- Support for 10 languages
- Equal aging option is available

OEO - Ozen Energy Optimisation

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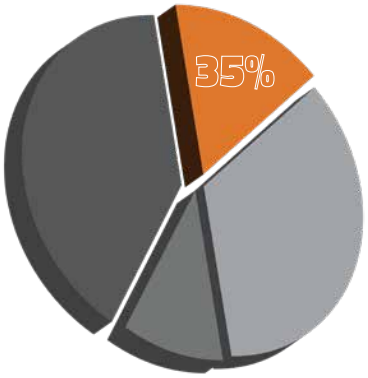


Ozen Energy Optimisation
on Avarage up to 35%

Energy Cost Saving VFD

Energy Cost Investment Maintenance

Energy savings even during low-capacity utilization

Since OSC DS series screw compressors with frequency inverter adjust the motor speed according to the actual air need of the facility, high energy use during low-capacity utilization is avoided.

The advantage of constant pressure

As the actual air demand is continuously monitored, the air production is steady and pressure is constant in the compressed air-pipe line at all times. Energy loss due to load/unload work modes is avoided. These compressors can respond to different pressure needs with simple settings on the control panel, without changing anything in the compressor itself.

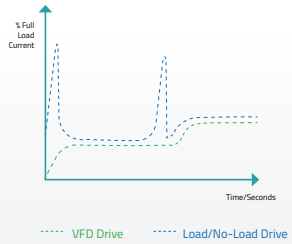
Smooth initial start-up

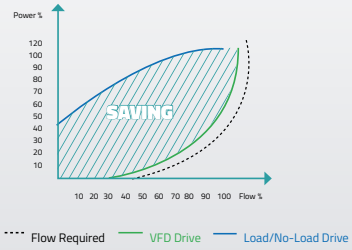
Because motor speed is controlled by the frequency inverter, the initial start-up is significantly simpler and smoother than a wye-delta, direct connected compressors.

Variable Frequency Drive (VFD)

In manufacturing facilities, the need for air tends to fluctuate throughout the day for various reasons. Standard compressors continuously work in load/unload mode in order to satisfy changing air demands. A screw compressor working in unload mode spends about 30-35% of the installed motor power and wastes energy even though it does not produce any air.

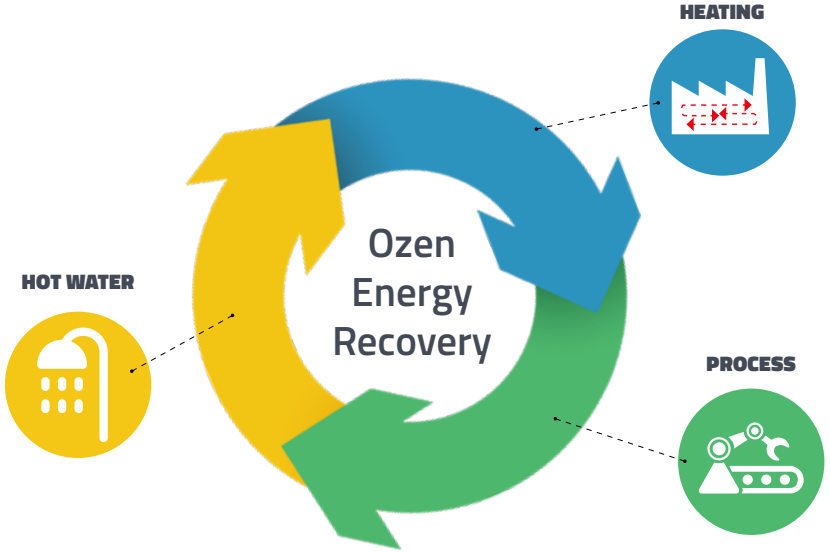
In OSC DS series compressors, the built-in frequency inverter adjusts the motor speed according to the actual air need of the facility. Achieving energy savings of up to 35%, these compressors help reduce operating costs.





OER - Ozen Energy Recovery (Optional)*

Reduces operating costs
by recovering waste heat...



Advantages

> Does not have any impact on compressor maintenance.

> Return of investment is 1 year.

> Reduces gas etc. consumption for heating and hot water.

> Selecting for heat recovery not only lowers energy costs but also contributes greatly to the protection of the environment.

Improving energy efficiency is essential for the industry. Rising energy prices and growing environmental awareness increase the importance of waste heat recovery. 94% of the energy consumed by a compressor is converted into heat. This heat is released back into the atmosphere through the cooling system and by radiation. Not being able to make use of this waste heat has a negative effect on operating costs.

Ozen Energy Recovery solution makes it possible to use the waste heat generated by your compressor within the facility. The integrated heat exchanger recovers the heat, which can, then, be used for heating the factory and storage areas, as well as for hot water. This rather easy-to implement system increases energy efficiency and provides operating cost savings.

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MODEL	Working Pressure	Capacity (FAD)	Motor Power					Dimensions (mm)		
	Bar	m3/min.	kW	HP	dB(A)	Weight (kg)	Connection Diameter	Width	Length	Height
OSC 18 DS	7.5	3.48	18.5	25	71	500	3/4 "	900	1600	1410
	10	2.92								
	13	2.37								
OSC 22 DS	7.5	4.13	22	30	71	530	3/4 "	900	1600	1410
	10	3.5								
	13	2.89								
OSC 30 DS	7.5	5.53	30	40	72	735	1 "	900	1600	1410
	10	4.77								
	13	4.03								
OSC 37 DS	7.5	7.37	37	50	73	875	1 1/4 "	1150	1500	1610
	10	6.29								
	13	5.19								
OSC 45 DS	7.5	9.31	45	60	73	955	1 1/2 "	1150	1500	1610
	10	8.02								
	13	6.64								
OSC 55 DS	7.5	11.29	55	75	74	1500	1 1/2 "	1450	1600	1750
	10	9.74								
	13	8.43								
OSC 75 DS	7.5	14.97	75	100	74	2175	2 "	1650	2000	1900
	10	12.9								
	13	10.9								
OSC 90 DS	7.5	19.03	90	125	75	2420	2 "	1650	2000	1900
	10	15.79								
	13	13.06								
OSC 110 DS	7.5	22.84	110	150	76	2800	2 "	1600	3200	1855
	10	19.27								
	13	16.06								
OSC 132 DS	7.5	26.73	132	180	78	3350	3 "	1600	3200	1855
	10	21.76								
	13	19.02								
OSC 160 DS	7.5	34.49	160	220	78	4100	3 "	1950	3500	2055
	10	28.61								
	13	23.24								
OSC 200 DS	7.5	42.68	200	270	79	5450	4 "	2150	3700	2350
	10	35.64								
	13	29.68								
OSC 250 DS	7.5	52.22	250	340	80	6400	4 "	2150	3700	2350
	10	43.82								
	13	37.3								
OSC 315 DS	7.5	62.13	315	430	81	6650	4 "	2150	3900	2350
	10	53.65								
	13	45.42								
OSC 355 DS	7.5	68.94	355	480	82	6750	4 "	2150	3900	2350
	10	60.07								
	13	51.24								

- Compressor performance is measured according to ISO 1217: 2009 Annex C with reference to 1 bar inlet pressure and 20 ° C ambient temperature.
- According to operating pressure SHD 7,5 bar performance was measured at 7 bar; 10 bar performance was measured at 9,5 bar and 13 bar performance was measured at 12,5 bar.