



HORIZON

OIL FREE COMPRESSORS

LOW PRESSURE



THE SUSTAINABLE COMPRESSOR



RELIABLE BEYOND LIMITS

FEATURES

THE MOST RELIABLE & ENERGY EFFICIENT LOW PRESSURE TECHNOLOGY



HORIZONTAL OPPOSED

HORIZON operates virtually without vibrations.

Longer life of mechanical parts as they do not transmit excessive force or produce fatigue on structural parts of the compressor.



DOUBLE ACTING

HORIZON design gives optimum performance.

Double-acting cylinders minimise air leaks, mechanical losses and operation temperature.



DIRECT COUPLED MOTOR

HORIZON is fitted with the most reliable and efficient direct coupled transmission.

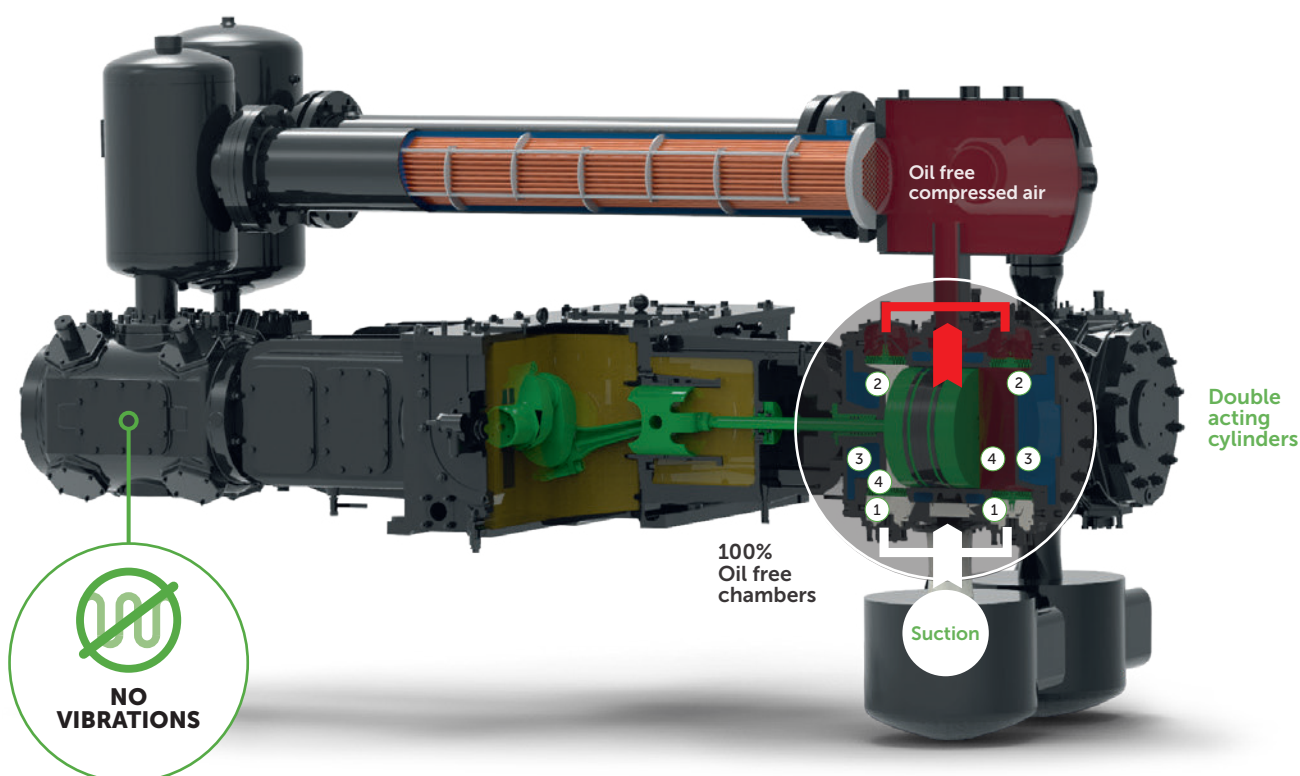
Direct coupling means 5% energy saving comparing with other energy transmission methods.



MODULAR AND COMPACT DESIGN

HORIZON assures smooth and easy installation.

Self-contained sets, even with peripherals pre-connected with centralized control for the entire ensemble.



- 1 Suction valves
- 2 Delivery valves
- 3 Cooling chambers
- 4 Compression chambers

PREMIUM

HORIZON IS EQUIPPED WITH STATE-OF-THE-ART TECHNOLOGY



+60%

ENERGY SAVING WHEN REGULATING

+80%

MAXIMUM REGULATION CAPACITY

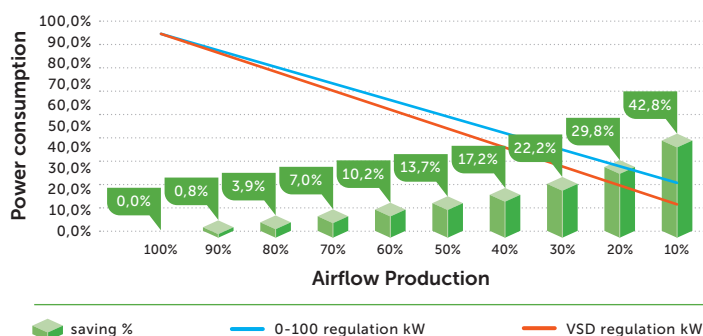


by field
Energy Audits

VARIABLE SPEED DRIVE

HORIZON takes full advantage of the energy saving by the variable speed drive.

- Average **30% energy saving** when regulating.
- Up to **60% energy saving** at low regulation regime.
- **Regulation** reaching **80%** of the compressor capacity.
- **Absence** of intensity **starting peaks**: starting = nominal intensity.
- **Eliminate idling** scenarios.



HEAT RECOVERY SYSTEM

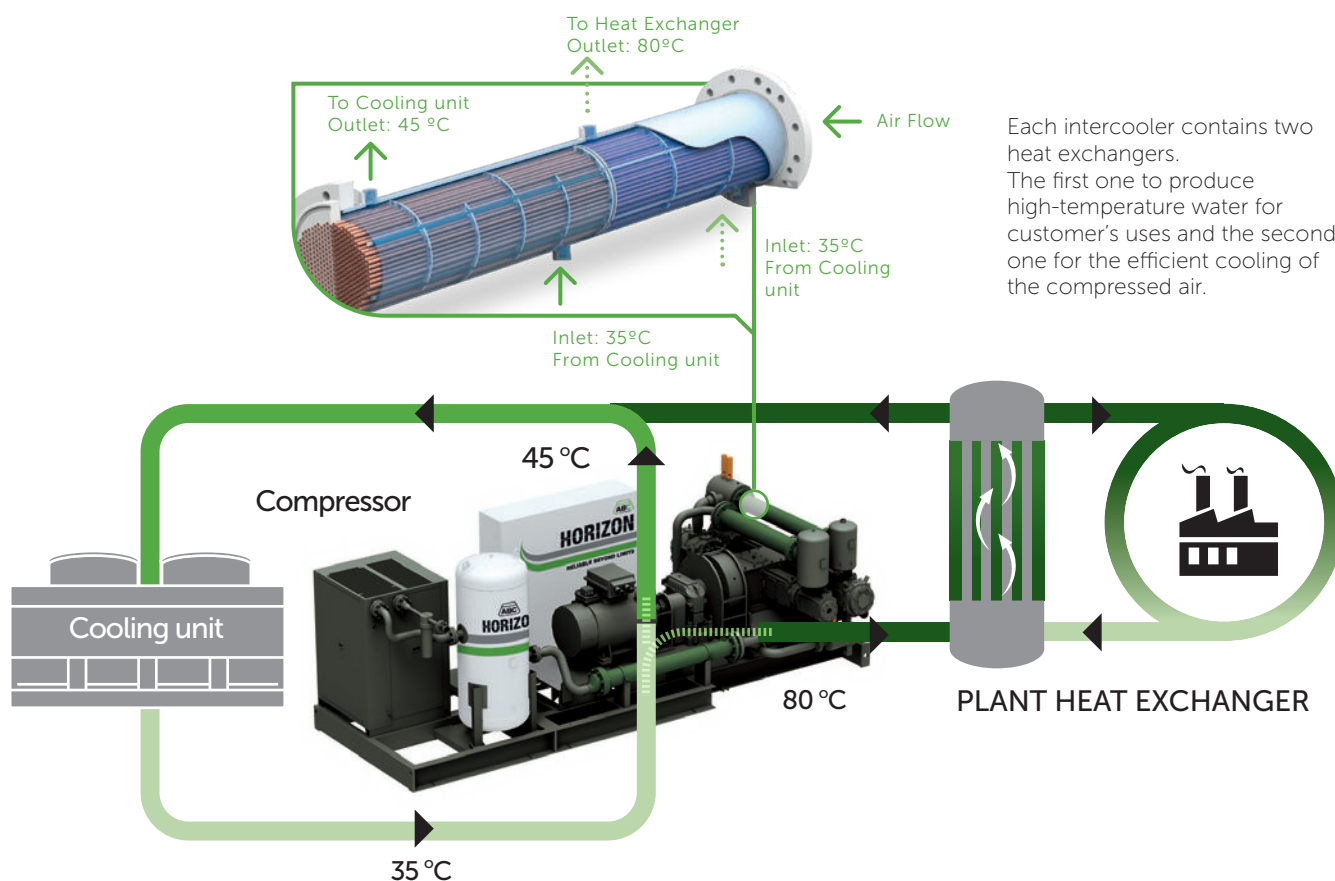
HORIZON is able to collect hot water from all its coolers for a variety of plant uses.

+50%

ENERGY SAVING THROUGH HOT WATER

up to
80°C

WATER TEMPERATURE OUTLET



Each intercooler contains two heat exchangers. The first one to produce high-temperature water for customer's uses and the second one for the efficient cooling of the compressed air.

PREMIUM



NEW

SynchronizAIR

THE UNIQUE VERSATILE SYSTEM ABLE TO COORDINATE MULTI-BRAND COMPRESSOR ROOMS FROM A SINGLE POINT.

✓ ENERGY SAVING

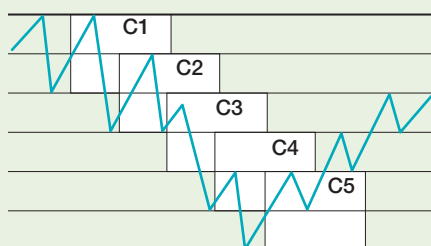
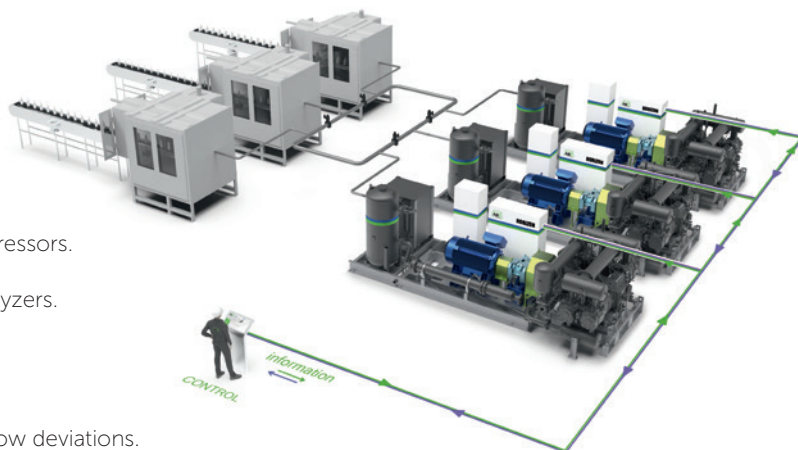
- Reduction of the compressing pressure.
- Regulation capacity.
- Avoids idling scenarios.

✓ TOTAL INTEGRATION

- Unique and lower pressure band for all compressors.
- Unique set point establishment.
- Compatible with Flow meters and power analyzers.
- Multi-brand compressor integration.

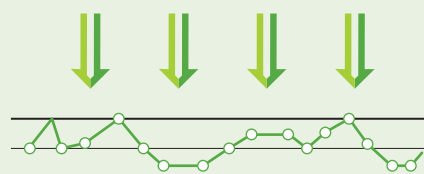
✓ MACHINE LEARNING

- Measures the tendencies avoiding pressure/flow deviations.
- Intelligent personalized parametrization optimizing compressors fleet.



Cascade regulation

Energy consumption reduction



Unique and lower pressure band

ROI GAUGE

A digital tool by ABC

WE CONTRAST IT WITH ENERGY AUDIT SERVICE

The digital tool that calculates your return on investment time of your old equipment with new **HORIZON** compressors.

- Energy consumption comparison.
- Maintenance cost comparison.
- Personalized calculation with:
 - Price of kW of each country.
 - Running hours of equipment.



RANGE



DEVELOPED IN
CYLINDERS



HORIZON	PRESSURE bar	CAPACITY		INSTALLED POWER	
		m³/h	cfm	kW	HP
600 LP	8	623	367	55	74
	10	617	363	55	74
	13	609	358	55	74
800 LP	8	772	454	75	100
	10	765	450	75	100
	13	755	444	75	100
900 LP	8	914	538	90	125
	10	908	534	90	125
	13	894	526	90	125
1000 LP	8	1.069	629	110	150
	10	1.059	623	110	150
	13	1.045	615	110	150



DEVELOPED IN
CYLINDERS



HORIZON	PRESSURE bar	CAPACITY		INSTALLED POWER	
		m³/h	cfm	kW	HP
1200 LP	8	1.247	734	110	150
	10	1.235	727	132	180
	13	1.219	717	132	180
1500 LP	8	1.544	909	132	180
	10	1.530	901	160	220
	13	1.510	886	160	220
1700 LP	8	1.781	1.048	160	220
	10	1.765	1.039	160	220
	13	1.742	1.025	200	270
2000 LP	8	1.959	1.153	200	270
	10	1.942	1.143	200	270
	13	1.916	1.128	200	270
2100 LP	8	2.137	1.258	200	270
	10	2.118	1.247	200	270
	13	2.090	1.230	250	340



DEVELOPED IN
CYLINDERS

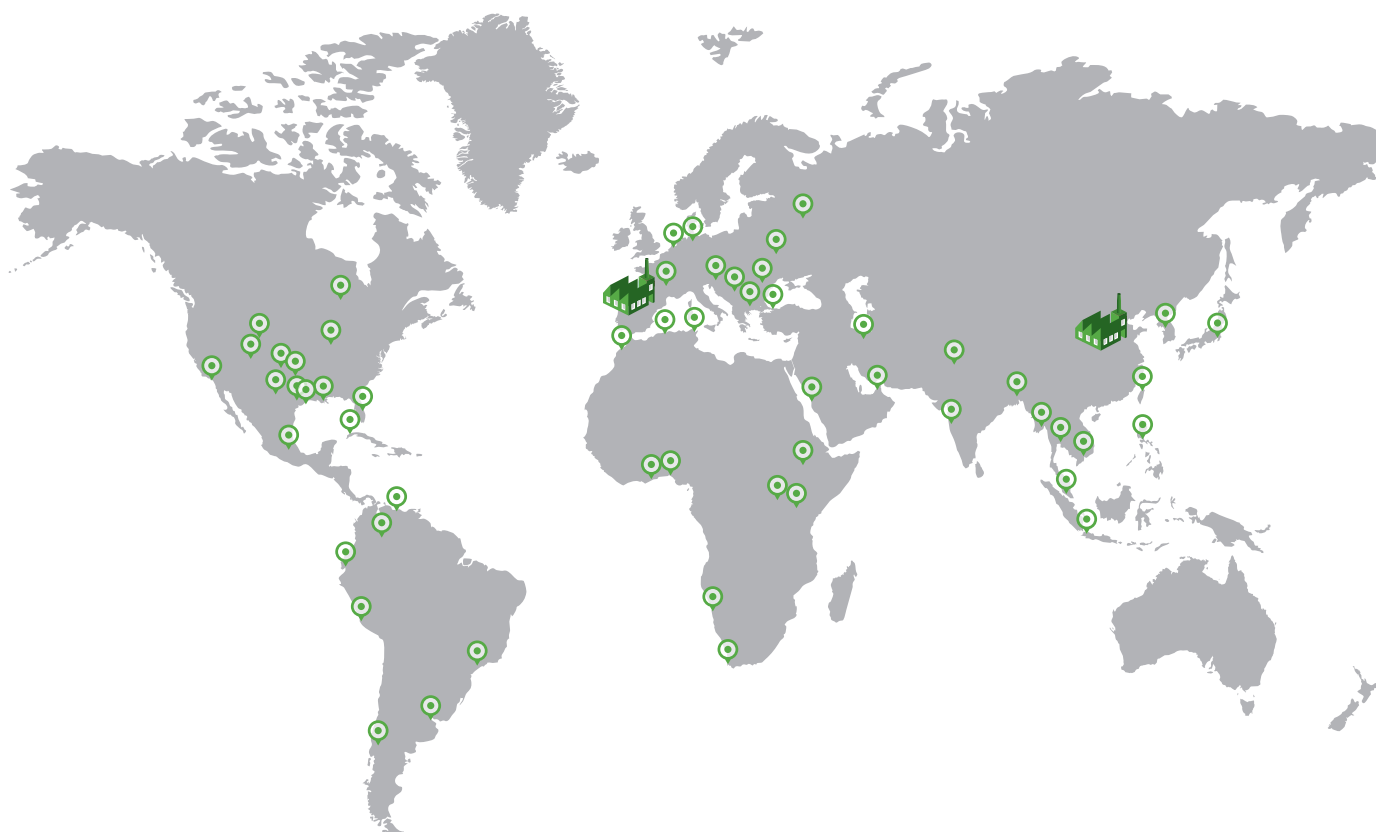


HORIZON	PRESSURE bar	CAPACITY		INSTALLED POWER	
		m³/h	cfm	kW	HP
2300 LP	8	2.315	1364	200	270
	10	2.294	1351	250	340
	13	2.264	1334	250	340
2600 LP	8	2.672	1574	250	340
	10	2.647	1559	280	380
	13	2.612	1539	315	425
2900 LP	8	2.910	1.714	280	380
	10	2.885	1.700	315	425
	13	2.851	1.679	315	425
3300 LP	8	3.358	1.978	315	425
	10	3.330	1.962	355	480
	13	3.290	1.938	355	480
3600 LP	8	3.693	2.175	355	480
	10	3.663	2.158	400	545
4000 LP	13	4.029	2.373	400	545



Capacity in FAD according to ISO 1217-2009.
Air quality 8573-1.4.1 or 2.4.1, class 0 compliant.
Any other capacity up to 20 bar / 290 Psi are available on request.
abc@abc-compressors.com

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