



Solid, simple and smart: Advanced reliability in compressed air-50Hz

DRE120-180, DRF151-480 fixed speed oil-injected screw compressor
DRE120-180 IVR, DRF151-340 PM variable speed oil-injected screw compressor



Ceccato's 120-480hp fixed speed screw compressors are designed and built to give you that essential combination of reliability and efficiency. Easy to install, use and service, you can count on the fixed speed DRE 120-180 & DRF151-480 to produce the quality air that keeps your production going.



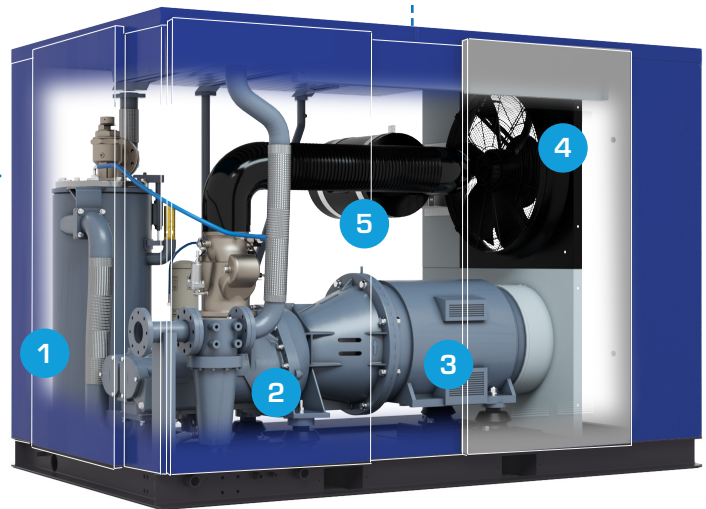
Low operation cost

- Lower energy cost thanks to in-house designed, high-efficiency screw element
- Helps you move toward a green production with lower carbon emission
- Monitor and optimize your compressor remotely with ICONS

Always reliable

- Reliable operation, even in 46°C
- IP55-enclosed drive train for dependable performance in dust and humid conditions

- 1 Oil separator
- 2 Compression element
- 3 Motor
- 4 Cooling fan
- 5 Air filter



Easy operation

The intuitive ES4000T controller offers a host of air system management and monitoring options. The touchscreen gives you status updates and service alerts before performance becomes a problem. Servicing your air compressors is just as straightforward and hassle-free. The service panels can be removed quickly for immediate access to all mechanical and electrical components to ensure swift maintenance with minimal downtime.

Technical specifications



Air cooled

Model	Working pressue	Motor Power		FAD		Nosie level	Dimension	Weight	Connection
	Mpa	kw	hp	l/s	cfm	dB(A)	LxWxH (mm)	kg	
DRE120	0.8	90	120	271	574	76	2259 x 1060 x 1594	1570	G2
	1			242	512				
DRE150	0.8	110	150	308	653	78	2255 x 1230 x 1600	1870	G2
	1			265	562				
DRE180	0.8	132	180	374	793	79	2255 x 1230 x 1600	1920	G2
	1			325	689				
DRF220	0.7	160	220	503	1066	78	2880 x 1754 x 1930	2970	DN80
	0.8			482	1020				
	1			443	939				
DRF270	0.7	200	270	607	1285	80	3502 x 1754 x 1983	3450	DN100
	0.8			567	1200				
	1			517	1094				
DRF340	0.7	250	340	755	1599	80	3502 x 1754 x 1983	3620	DN100
	0.8			713	1511				
	1			643	1363				
DRF450	0.8	315	450	871	1846	78	5100 x 2150 x 2250	6350	DN125
	1			804	1704				
DRF480	0.8	355	480	1007	2134	79	5100 x 2150 x 2250	6380	DN125
	1			890	1886				
DRF151	0.7	110	150	370	784	78	2880 x 1754 x 1930	3140	DN80
	0.8			337	713				
	1			312	660				
DRF181	0.7	132	180	433	918	78	2880 x 1754 x 1930	3230	DN80
	0.8			412	872				
	1			378	801				
DRF221	0.7	160	220	515	1091	80	3502 x 1754 x 1983	3640	DN100
	0.8			483	1024				
	1			445	943				
DRF271	0.7	180	270	674	1428	77	4800 x 2150 x 2250	5325	DN125
	0.8			633	1342				
	1			574	1217				
DRF341	0.8	250	340	750	1589	77	4800 x 2150 x 2250	5895	DN125
	1			680	1441				

Water cooled

Model	Working pressue	Motor Power		FAD		Nosie level	Dimension	Weight	Connection
	Mpa	kw	hp	l/s	cfm	dB(A)	LxWxH (mm)	kg	
DRE120	0.8	90	120	271	574	75	1819 x 1060 x 1596	1620	G1.5
	1			242	512				
DRE150	0.8	110	150	308	653	80	2366 x 1230 x 1600	1820	DN65
	1			265	562				
DRE180	0.8	132	180	374	793	81	2366 x 1230 x 1600	1900	DN65
	1			325	689				
DRF220	0.7	160	220	503	1066	75	2880 x 1754 x 1930	2870	DN80
	0.8			482	1020				
	1			443	939				
DRF270	0.7	200	270	607	1285	77	2902 x 1754 x 1983	3240	DN100
	0.8			567	1200				
	1			517	1094				
DRF340	0.7	250	340	755	1599	77	2902 x 1754 x 1983	3410	DN100
	0.8			713	1511				
	1			643	1363				
DRF450	0.8	315	450	871	1846	78	3630 x 2160 x 2250	5730	DN125
	1			804	1704				
DRF480	0.8	355	480	1007	2134	79	3630 x 2160 x 2250	5760	DN125
	1			890	1886				
DRF151	0.7	110	150	370	784	75	2880 x 1754 x 1930	3040	DN80
	0.8			337	713				
	1			312	660				
DRF181	0.7	132	180	433	918	75	2880 x 1754 x 1930	3130	DN80
	0.8			412	872				
	1			378	801				
DRF221	0.7	160	220	515	1091	77	2902 x 1754 x 1983	3430	DN100
	0.8			483	1024				
	1			445	943				
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	0.8			633	1342				
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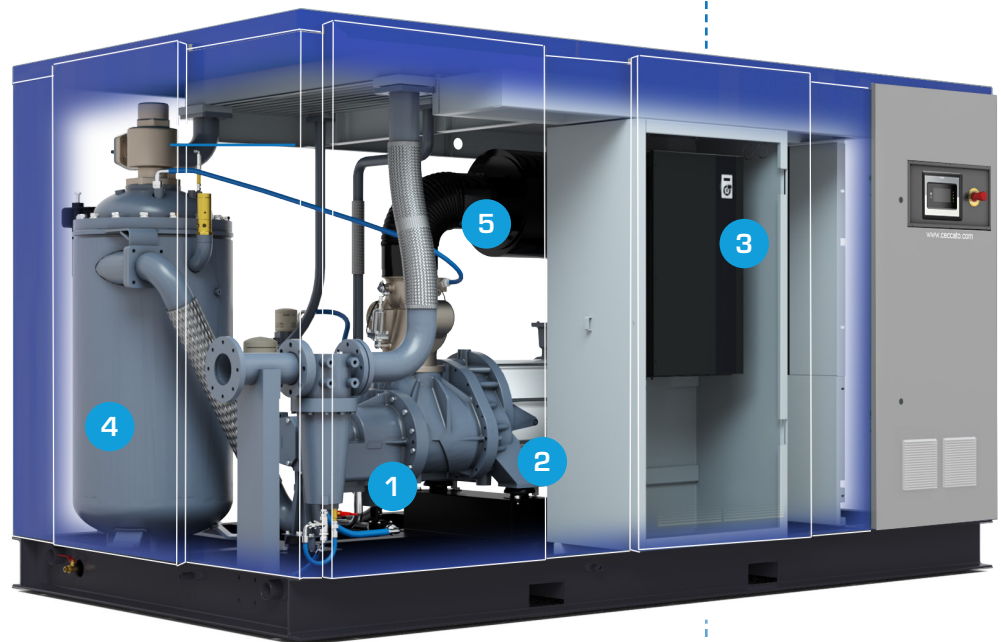
Notes: *Unit performance measured according to ISO 1217, annex C and ISO 2151 latest edition | *More detail, please contact your local sales force.

Energy takes up more than 70% of the cost of owning and operating a compressor room. Ceccato's variable speed oil-injected screw compressor, DRE 120-180 IVR and DRF 151-340 PM deliver up to 35% energy savings. That means you can earn back your choice in just one to two years. How's that for a financial no-brainer?



Features

- In-house designed drive train to provides stronger power
- Integrated permanent magnet motor with ultra IE4 efficiency.
- Advanced IoT technology with ICONS built-in, enable your instant monitoring your compressor



- 1 Compression element
- 2 Motor
- 3 Inverter
- 4 Oil separator
- 5 Air filter

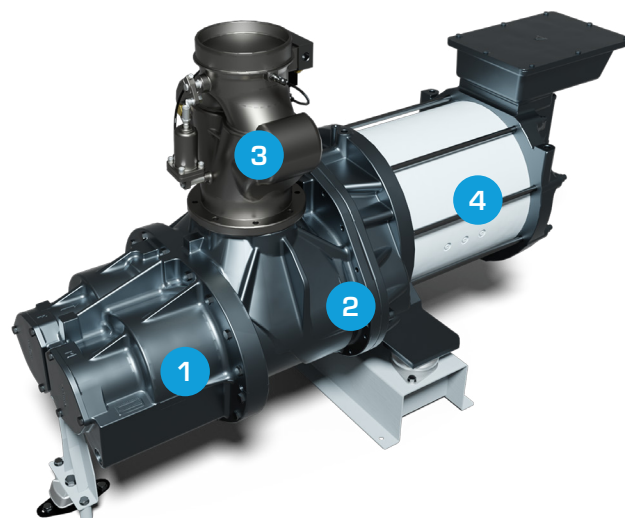
Revolutionary drive train technology

Improved energy efficiency saves you money

- In-house designed PM motor with PM premium efficiency.
- New generation screw elements, with improved efficiency.
- Integrated direct drive transmission for minimal losses.
- Smart inlet valve optimizes the inlet flow and improves efficiency.

Increased reliability extends lifetime

- PM motor rated IP55 and IP66, premium protection against dust and water ingress.
- Optimal cooling at all speeds and conditions thanks to
- oil-cooling principle of the PM motor.



1 In-house designed screw element

2 Direct drive train

3 Smart inlet valve

4 Oil cooling motor

Air cooled

Model	Working pressure	Motor Power		FAD		Noise level dB(A)	Dimension	Weight kg	Connection
	Mpa	kw	hp	l/s	cfm		LxWxH (mm)		
DRE120 IVR	0.8	90	120	44-251	93-532	75	2259 x 1060 x 1594	1650	G2
	1			37-224	78-475				
DRE150 IVR	0.8	110	150	84-308	177-653	78	2455 x 1230 x 1600	1960	G2
	1			70-265	148-562				
DRE180 IVR	0.8	132	180	104-374	219-793	79	2455 x 1230 x 1600	2010	G2
	1			88-325	186-689				
DRF220 PM	0.7-1	160	220	127-497	268-1052	78	2880 x 1754 x 1930	2890	DN80
DRF270 PM	0.7-1	200	270	143-590	304-1250	80	3602 x 2104 x 2023	4110	DN100
DRF340 PM	0.7-1	250	340	185-703	392-1490	80	3602 x 2104 x 2023	4280	DN100
DRF151 PM	0.7-0.8	110	150	100-385	212-815	78	2880 x 1754 x 1930	2370	DN80
	1			98-317	208-671				
DRF181 PM	0.7-0.8	132	180	100-450	212-953	78	2880 x 1754 x 1930	2410	DN80
	1			98-377	208-798				
DRF221 PM	0.7-0.8	160	220	98-545	208-1154	80	3602 x 2104 x 2023	3260	DN100
	1			97-465	205-985				

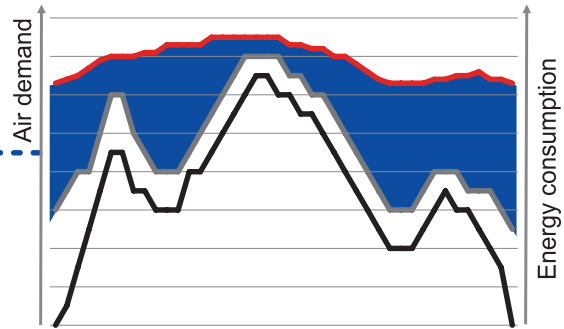
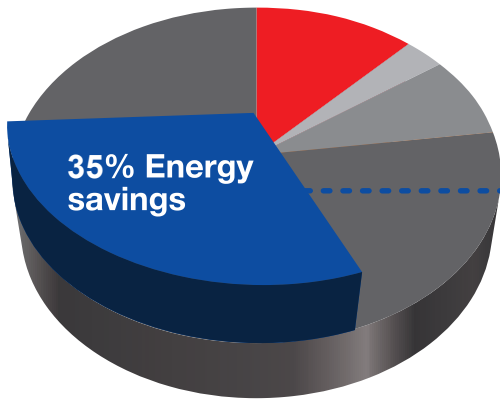
Water cooled

Model	Working pressure	Motor Power		FAD		Noise level dB(A)	Dimension	Weight kg	Connection
	Mpa	kw	hp	l/s	cfm		LxWxH (mm)		
DRE120 IVR	0.8	90	120	44-251	93-532	75	2259 x 1060 x 1594	1650	G2
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DRE180 IVR	0.8	132	180	104-374	219-793	81	2557 x 1230 x 1600	2640	DN65
	1			88-325	186-689				
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DRF270 PM	0.7-1	200	270	143-590	304-1250	80	3602 x 2104 x 2023	4110	DN100
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We protect your efficiency

Energy costs represent about 70% of the total operating cost of your compressor over a 5 year period. That's why reducing the operating cost of a compressed air solution is a major focus. Variable frequency driven compressors can cut the energy bill of your compressor by up to 30%.



■ 12% investment

■ 3% installation

■ 8% Service

■ 77% Energy consumption

— Air demand

— Variable frequency driven costs

— Load Unload costs

■ Savings

Complete your compressed air installation with an ICONS plan

What if your compressor needs service or an immediate intervention? With an ICONS plan, you get an alert from your controller delivered straight to your computer, tablet or smartphone. Wherever you are, you can take immediate action and reduce the risk of downtime and other costs.



With connectivity

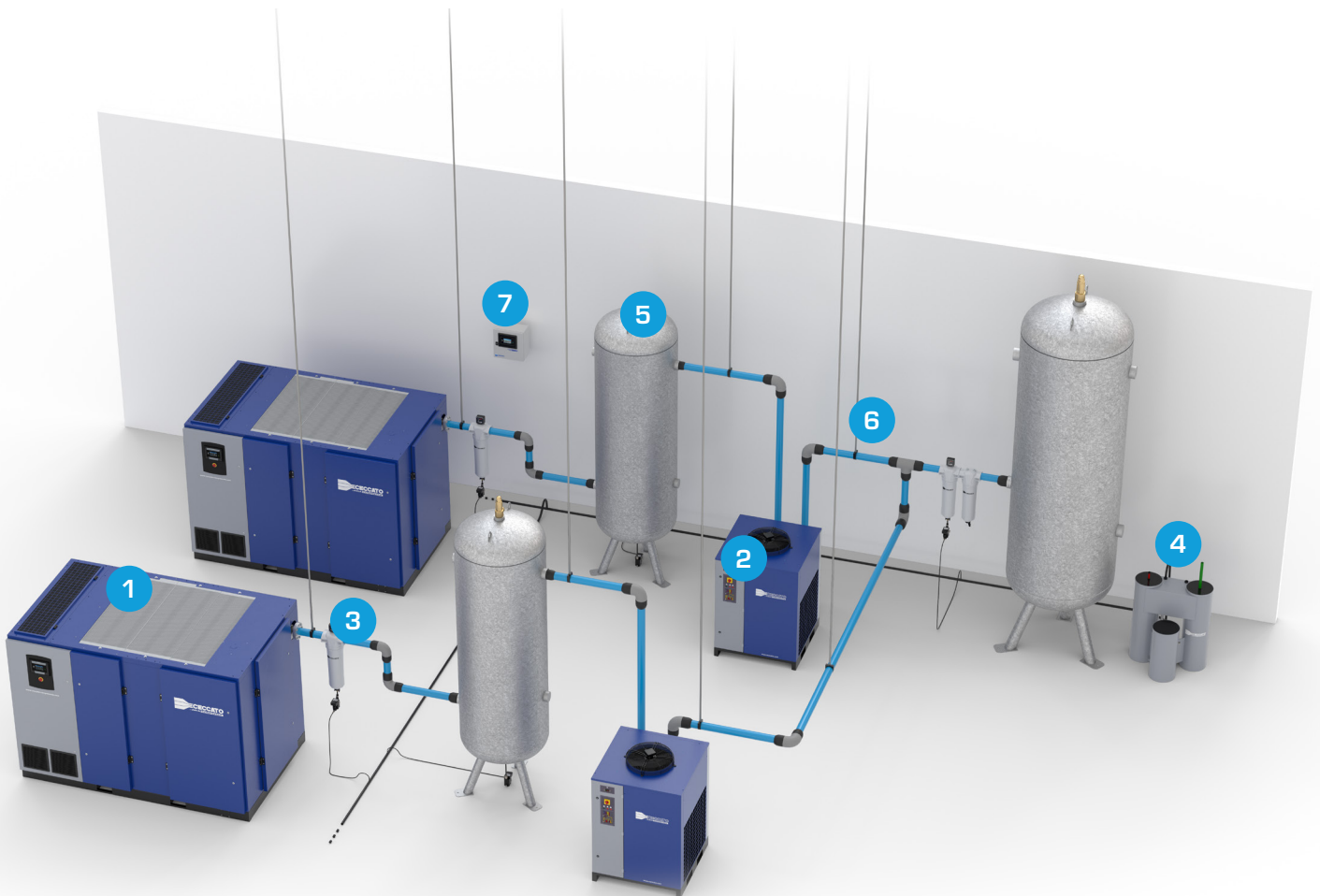


Without connectivity



We've got your compressed air covered

Extend the Ceccato reliability and performance throughout your compressed air system.



- 1** Air compressor
- 2** Air dryer
- 3** Line filters
- 4** Oil separators
- 5** Air receiver buffer storage
- 6** Piping system
- 7** Central controller



Contact your local representative:

www.ceccato.com



CARE

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

TRUST

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

EFFICIENCY

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.