

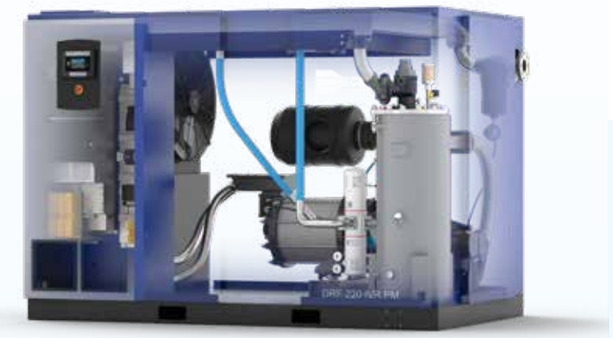
Solid, simple and smart: advanced reliability in compressed air

DRF 151-220 OIL-INJECTED SCREW COMPRESSORS



CECCATO
ARIA COMPRESSA

Your production system is like a human body. Compressed air is the lifeblood that keeps everything moving. And the compressor is the heart that gets the air to where it is needed. The Ceccato DRF 151-220 series never misses a beat, producing the quality air that keeps your production going with maximum efficiency.



Optimized total cost of ownership

- Lower energy costs thanks to in-house designed, high-efficiency screw element.
- Up to 45% energy savings with the DRF IVR PM's IE4 iPM motor.
- The DRF IVR PM comes with integrated direct drive transmission for minimal losses
- Monitor and optimize your compressor remotely with ICONS.

Increased uptime

- Reliable operation, even when your compressor room reaches 46°C
- The inverter's electrical cubicle can withstand up to 55°C
- The IP66-enclosed drive train ensures dependable performance in dusty and humid conditions.
- Advanced ES4000T touchscreen controller maximizes performance and efficiency.
- Service packages can be customized to your needs and preferences.

A CHOICE OF 3 MODELS



DRF 151-220 FIXED-SPEED

- Up to +5% Free Air Delivery compared to the previous fixed-speed model.
- Reliable performance, even in tough conditions.
- Save up to €55,000 in Total Cost of Ownership (versus market average).*



+ TCO* SAVINGS
PERFORMANCE

DRF 151-220IVR A VARIABLE SPEED

- +5% Free Air Delivery compared to the previous VSD model.
- Energy savings of up to 30%.
- Improved Specific Energy Requirement.
- Save up to €60,000 in Total Cost of Ownership (versus fixed-speed).*

+ TCO* SAVINGS
PERFORMANCE
SERVICEABILITY
LIFETIME

DRF 151-220IVR PM iPM

- +10% Free Air Delivery compared to the previous VSD model.
- Energy savings of up to 45%.
- iPM motor equals IE4 standards.
- Save up to €80,000 in Total Cost of Ownership (versus fixed-speed).*



** Ask us to calculate your Total Cost of Ownership and how much you can save!*

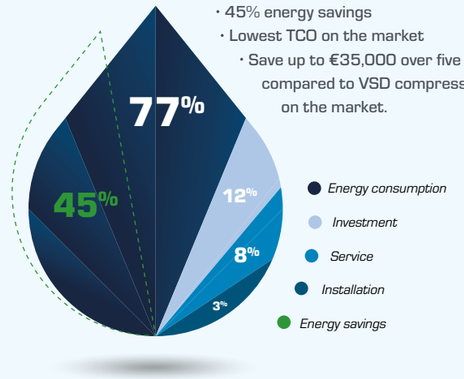
EXPECT THE BEST

iPM for major energy savings

Generating compressed air requires a lot of energy. In fact, energy takes up more than 70% of the cost of owning and operating a compressor. Ceccato's iPM technology was developed to give you significant energy savings and contribute to reduce production impact. While traditional compressors only have one speed (100% on), iPM compressors adjust their motor speed to follow the fluctuating air demand that most production environments have. As a result, the DRF 151-220IVR PM delivers up to 45% energy savings

Lowest Total Cost of Ownership

- 45% energy savings
- Lowest TCO on the market
- Save up to €35,000 over five years compared to VSD compressors currently on the market.





Production with lower emissions

The DRF 151-220IVR PM's superior energy efficiency not only contributes to your bottom line, it also supports your transition to a production process with reduced environmental impact. Compared to older fixed-speed models, the iPM compressor lowers CO2 emissions by 10% to significantly reduce your carbon footprint.

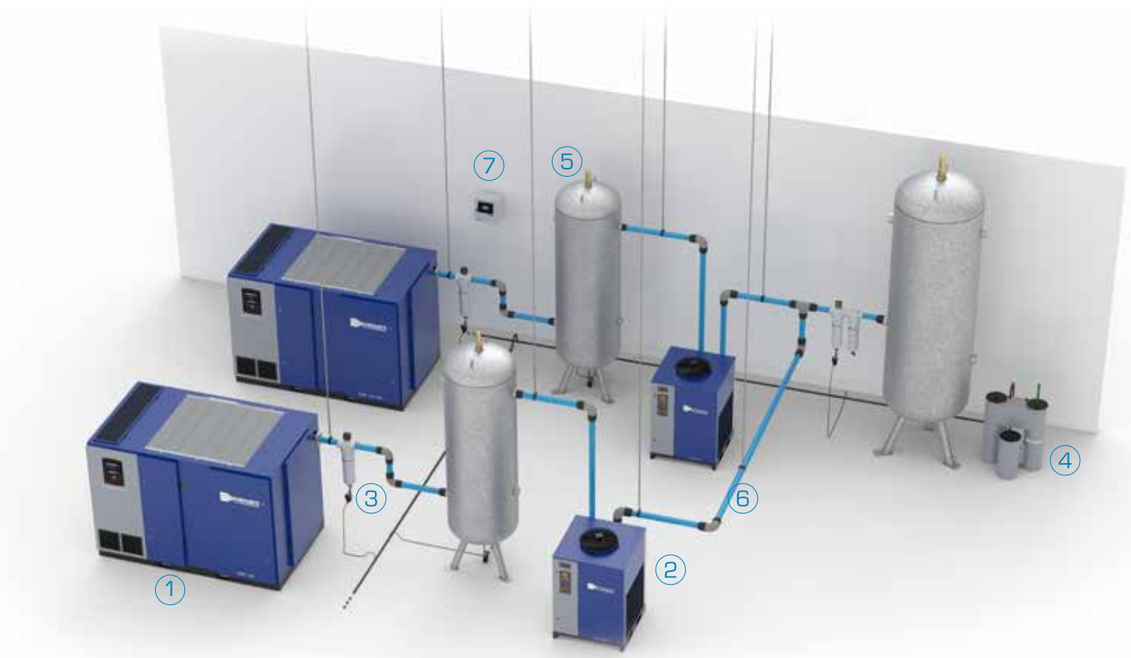
Econtrol6



Enhance your air system performance with the Econtrol6

Are you operating multiple compressors? Ensure the lowest Total Cost of Ownership and synchronize your machines with the ECOntrol6 central controller solution:

- Generate energy savings by narrowing the operating pressure band.
- Save on maintenance costs and equalize the running hours of your compressors.
- Monitor and control all compressors from one single touchscreen display.
- Optimize your compressors' performance by operating different control schemes.
- Control compressors of all types and brands.



One source for all your air needs

Ceccato stands ready to meet all of your compressed air needs: From the compressor itself (1) to air dryers (2) and air filters, (3), oil-water separators (4), air receiver buffer storage (5), our own easy-to-install AIRnet piping system (6) and a central controller to manage the entire system. (7).

UNDER THE HOOD OF THE DRF 151-220

In-house designed IE4 Super Premium Efficiency interior permanent magnet (iPM) motor: Maintenance free; includes innovative oil-cooling technology for optimal performance in up to 46°C.
Inverter: Electrical cubicle can withstand up to 55°C
All-new compression element: Gives you improved Free Air Delivery and Specific Energy Requirement.
Drive train: IP66-rated for complete protection from dust and moisture.
New unloader & inlet valve: Optimizes inlet flow to the screw element and offers a 20% reduction in service time.



Available options

- **Integrated energy recovery**
- **8000-hour premium synthetic oil**
- **Food-grade oil**
- **Freeze protection**
- **Electronic water drain**
- **Heavy duty pre-filtration**
- **Water-cooled version**

Connected 24/7

The ES4000T controller features a large 4.3" color touchscreen display with 30+ languages, full control and system insights at your fingertips:
- Warning indications Service schedule indication
- Online visualization of running conditions



ICONS

Increased reliability powered by ICONS

With the **Intelligent CONnectivity System** (ICONS), you get data and insights from your machines delivered to your computer, tablet or smartphone.

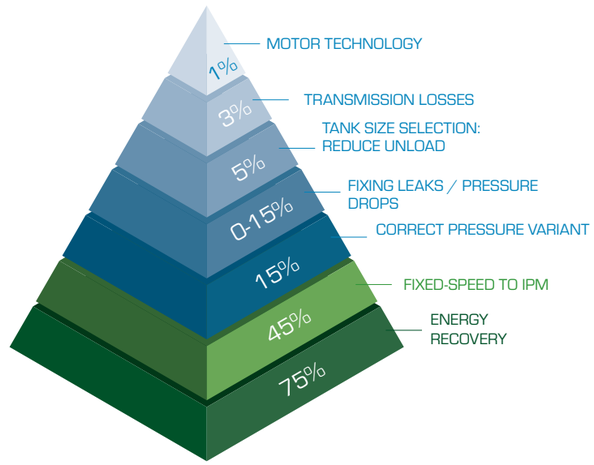
- Get **notified** by text or email whenever your machine requires your attention.
- Control your **maintenance costs** and ensure a longer machine life.
- Increase the **reliability** of your machine by identifying problems before they become a threat to the continuity of your production.

Maximize your energy savings

When you take a comprehensive look at your compressed air system, opportunities for energy savings surface. Among these options, energy recovery will make the biggest impact.

When air is compressed, heat is formed. This excess heat is then dissipated to ensure that the compressor does not overheat and that the compressed air is cool enough when it reaches its destination. However, this heat can be captured with energy recovery technology and used for applications such as water or space heating, industrial cleaning and sanitary facilities. As up to 75% of compression heat can be recovered, an energy recovery system will help you save big on energy and cut costs.

Heat recovery is the best way to reduce your energy costs.



Warranty Service Package

With a Warranty Service Package, all your equipment needs are fully covered for up to 5 years. We take care of all your routine and non-routine services, so you can focus on your core business.

Enjoy **full warranty coverage** up to 5 years including expert on-time service, original parts and periodic upgrades.

By executing services efficiently and safely, we **avoid unexpected problems** before they arise, so you can benefit from the increased uptime of your compressed air installation.

By using original parts that are specifically designed for your compressed air installation, we **protect your investment** and ensure a higher efficiency and a longer lifetime of your machines.

Service packages can be customized and tailored according to your needs. Your local authorized service provider will be happy to provide you with more information.



Technical specifications

DRF 150-220

		FAD			Motor Power		Noise	Weight	Dimensions		
Model	Max. Working Pressure	m³/h	l/s	m3/min	kW	hp	dB	kg	Length	Width	Height
DRF 151	7	1347	374.3	793	110	150	77	3498	2874	1754	1982
	8.5	1207	335.4	710							
	10	1111	308.7	654							
	13	941	261.5	554							
DRF 180	7	1602	445.2	943	132	180	77	3546			
	8.5	1453	403.7	855							
	10	1328	368.9	781							
	13	1089	302.5	640							
DRF 220	7	1788	496.7	1052	160	220	78	3600			
	8.5	1667	463.2	981							
	10	1539	427.7	906							
	13	1219	338.7	717							

Unit performance measured according to ISO 1217, Annex C, latest edition.
Noise level measured according to ISO 2151 with optional baffle..

DRF 151-220IVR

		7	7	7	8,5	8,5	8,5	10	10	10							
		Max FAD									Motor Power		Noise	Weight	Dimensions		
Model	Max. Working Pressure	m³/h	l/s	m³/min	m³/h	l/s	m³/min	m³/h	l/s	m³/min	kW	hp	dB	kg	Length	Width	Height
DRF 151IVR	4-10 bar	1437	399.4	846	1279	355.4	753	1167	324.2	686	110	150	77	3380	2874	1754	1982
DRF 180IVR		1681	467.2	989	1533	426.1	902	1398	388.5	823	132	180	77	3480			
DRF 220IVR		1945	540.4	1145	1753	487.1	1032	1612	448	949	160	220	78	3459			

DRF 151-220IVR PM

		7	7	7	8,5	8,5	8,5	10	10	10							
		Max FAD									Motor Power		Noise	Weight	Dimensions		
Model	Max. Working Pressure	m³/h	l/s	m³/min	m³/h	l/s	m³/min	m³/h	l/s	m³/min	kW	hp	dB	kg	Length	Width	Height
DRF 151IVR PM	8.5 bar	1461	406	860	1315	365.3	774	-			110	150	76	2540	2874	1754	1982
	10 bar	1440	400.1	847	1315	365.3	774	1205	334.9	709							
DRF 180IVR PM	8.5 bar	1719	477.6	1011	1568	435.6	922	-			132	180	76	2580			
	10 bar	1464	406.8	861	1464	406.8	861	1442	400.6	848							
DRF 220IVR PM	8.5 bar	2042	567.3	1202	1875	520.9	1103	-			160	220	77	2760			
	10 bar	1786	496.3	1051	1786	496.3	1051	1731	481	1019							

Unit performance measured according to ISO 1217, Annex E, latest edition.
Noise level measured according to ISO 2151 with optional baffle.

All technical data for air-cooled machines without integrated dryer. For technical data of water-cooled machines or machines with integrated dryer, please contact your local salesforce.



Contact your local representative:

www.ceccato.com

6999100551

ORIGINAL PART

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.

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