CSD 75 - 100

Belt driven

DRD 75 - 100
DRE 100 - 150

Gearbox driven

Oil-injected screw
Compressors
Fixed & Variable speed

Solid, simple, smart.
Advanced reliability in
compressed air.

CECCATO
ARIA COMPRESSA

User benefits

Simple Installation

- Compact and all in one system
- Innovative design
- Easy and full protected transport
- Placement with forklift (2 lifting points) or transpallet (1 lifting point)
- No special foundation needed

Solid Quality

- Outstanding and first-class components
- High quality and long lasting belts
- High reliable belt tensioning system for excellent performance
- Seperate oil and air coolers, less thermal shocks and a longer lifetime
- Perfect air filtration and cooling
- Overload protection
- Full automatic control
- High quality and heavy duty motor

Easy Maintenance and Accessibility

- All service components located at the front of the machine for excellent accessibility
- Easy access for service or cleaning
- Easy access of the coolers
- Oil-level eye at the front
- Easy and quick check thanks to service door and controller
- Service and cleaning is a one person job

Saving of Costs

- Less repair costs
- Lower maintenance costs
- Lower energy consumption
- Optimal efficiency, lubrification and cooling
- Improved controllers for a better energy efficiency

Safety

- Emergency stop
- Protection grid
- Separate panel for beltguard
- Closed inverter cubicle

CSD • Belt driven
DRD • DRE • Gearbox driven

Compressed air drives your company. Consequently, choosing the right compressor is crucial. Going for our CSD and DRD/DRE ranges of highly adapted oil-injected screw compressors is a choice you will not regret. Bring some fresh air into your company and enjoy the strong performance and high efficiency that come with it.

Ceccato CSD and DRD/DRE ranges offer a wide choice of compressors from 30 till 110 kW, belt or gearbox driven, with fixed speed (load-unload) control or variable speed (IVR) control. Energy costs and your specific requirements will help you choose the most suitable compressor for your application. Whatever model you choose, high standard components guarantee performance and design synergy ensures the easy operation you are looking for.

Fixed speed control - Load-unload regulation

A load/unload compressor delivers a constant air capacity. The net pressure is controlled by an inlet valve operating the compressor in a load/unload cycle. In case the set pressure is reached, the compressor turns into unload mode (by closing the inlet valve). When the pressure value drops below a specific l evel, t he c ompressor starts up the same routine.

Variable speed control - Frequency inverter regulation (IVR)

A frequency driven compressor has a working pattern with lower peaks and a smoother air profile. This is achieved by controlling the air delivery and producing only the amount of air required for the customer's application at a specific moment. The net pressure is maintained by use of a frequency inverter. As a result, the compressor consumes only the energy needed which is very cost efficient.

Optional and standard features

OPTION	BELT DRIVEN		GEARBOX DRIVEN	
	Fixed speed	Variable speed	Fixed speed	Variable speed
Water separator	✘	✘	standard	✔
Automatic drain for water separator *	✘	✘	✔	✔
Wrong rotation direction protection	standard	standard	✔	✔
High efficiency air intake filtration	✘	✘	✔	✔
High efficiency pre-filtration panel	✘	✘	✔	✔
Standard filtration pannel	standard	standard	standard	standard
Noise reduction baffle (super silent)	✔	✔	✔	✔
Oil heater	✘	✘	✔	✔
Main switch	✘	✘	✔	✔
8000 hours oil	✔	✔	✔	✔
Foodgrade oil	✔	✔	✔	✔
Integrated energy recovery system	✘	✘	✔	✔
Woodenbox packaging	✔	✔	✔	✔
Tropical thermostatic valve	✔	✔	✔	✔
Automatic restart after power failure	standard	standard	standard	standard
ES4000 Touch controller	✔	standard	✔	standard
"Plus" oil & filters**	✘	✘	✔	✘
"Extended" oil & filters***	✘	✘	✔	✘

✔ = available ✘ = not available * For this option, the water seperator is needed

Only for DRC 40-60: **4000 hours oil, air & oil filter ***8000 hours oil & oil filter, 4000 hours air filter

SMART TECHNICAL ADVANTAGES

THE TROUBLE -FREE PERFORMANCE YOU ARE LOOKING FOR

- Quality elements for better reliability
- Increased Free Air Delivery (FAD) and lower energy consumption
- Standard filtration panel extending service intervals

ES4000 Swipe for fixed speed

- Intelligent unload cycles
- constant pressure follow-up
- automatic restart after power failure
- built in online monitoring

ES4000 Touch for IVR and optional for fixed speed

- big 4.3" HD Touch display
- all standard control features
- integrated central controller
- built in online monitoring

ROBUST, COMPACT AND USER-FRIENDLY FREQUENCY INVERTER

- In-house designed Imperium inverter for DRD/DRE 75-150 IVR
- IP5X protection rating for harshest conditions
- Plug-and-play solution, controlled by ES4000 Advanced
- Installed in separate cubicle for easy maintenance and optimized cooling

SIMPLE MAINTENANCE

- Separate air and oil cooler which reduces the thermal tension extending the lifetime of the coolers
- Easy gliding ridges making maintenance a one man job

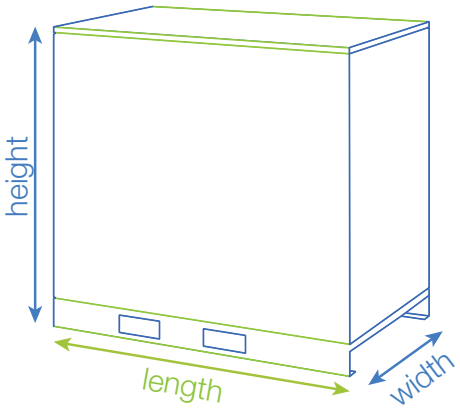
BELT DRIVEN - Fixed & Variable speed

Technical data

FIX SPEED	Max. Working Pressure	Reference Working Pressure	Free Air Delivery @ reference conditions*			Motor Power		Noise Level**	Cooling Air Volume	Compressed Air output diameter	Weight
CSD 75	8	7,5	522	145	307	55	75	72	9000	2”	1073
	10	9,5	475	132	280	55	75	71	9000		
	13	12,5	425	118	250	55	75	71	9000		
CSD 100	8	7,5	691	192	407	75	100	75	12600	2”	1280
	10	9,5	605	168	356	75	100	74	12600		
	13	12,5	533	148	314	75	100	74	12600		

Dimensions

FIX SPEED	DIMENSIONS		
Model	length mm	width mm	height mm
CSD 75	1420	1060	1630
CSD 100	1660	1060	1630



Your smart industry standard in easy operation and maintenance

CSD 75 - 100

Belt driven compressors have an in-house designed belt drive system. This, on its turn is driven by a high quality electric motor, which runs at a fix speed. Choosing for belt drive offers you:

- Easy maintenance
- Simple installation
- User-friendly operation
- The standard in the industry

BELT DRIVEN

Components

1. filtration panel
2. emergency stop
3. controller
4. air filter
5. oil cooler
6. air cooler
7. cubicle
8. inverter
9. oil-seperator vessel
10. axial fan
11. air ends
12. motor
13. belt driven system
14. belt

Variants

TYPE	VOLTAGES		COOLING		DRYER	
	230/3/50	400/3/50	air	water	without	with
Fixed speed	✔	✔	✔	✘	✔	✘

BEST CHOICE

"The CSD/DRC/DRD/DRE ranges come with a wide range of options, so all customer needs are met."

"Maintenance is a one man job now. Costs me less."

"Advanced design Powerful & efficient Very rigid and robust construction"

"Thanks to the synergy in design within the ranges, the service is facilitated, availability of parts is increased and lead times of machines are reduced."

Your energy efficient and solid performance

DRD 75 - 100
DRE 100-150

Gearbox driven compressors are suitable for use with a variety of constant speed or variable speed drivers. Local energy costs and application requirements will determine the most economical method of drive for your application. Choosing the heavy duty gearbox solution offers you:

- Higher performance for less energy consumption
- Lower maintenance cost
- No transmission losses
- No belt tensioning
- No coupling maintenance

Components

1. filtration panel
2. emergency stop
3. controller
4. oil cooler
5. air cooler
6. cubicle
7. inverter
8. integrated dryer
9. oil-seperator vessel
10. fan
11. air ends
12. motor
13. air filter

Variants

TYPE	VOLTAGES		COOLING		DRYER	
	230/3/50	400/3/50	air	water	without	with
DRD (Fixed speed)	✔	✔	✔	✔	✔	✔
DRE (Fixed speed)	✔	✔	✔	✔	✔	✘
DRD (Variable speed)	✘	✔	✔	✔	✔	✔
DRE (Variable speed)	✘	✔	✔	✔	✔	✘

How much can I save with the DRD IVR PM range?

How much energy could you save in your existing compressor installation? Contact us for an energy audit. We will measure the air demand and energy consumption of your existing installation and generate a detailed report at the end. Based on your specific situation we can simulate and show how much your energy costs would reduce with your new compressor.

GEARBOX DRIVEN - Fixed & Variable speed - Technical data

FIX SPEED	Max. Working Pressure	Reference Working Pressure	Free Air Delivery @ reference conditions*			Motor Power		Noise Level **	Cooling Air Volume	Compressed Air output diameter	Weight	
Model											std	with dryer
	BAR	BAR	m³/h	l/s	cfm	kW	hp	dB(A)	m³/h	"	kg	
DRD 75	7,5	7	594	165	350	55	75	72	9000	2"	1100	1373
	8,5	8	541	150	318	55	75	72	9000			
	10	9,5	515	143	303	55	75	71	9000			
	13	12,5	434	120	255	55	75	71	9000			
DRD 100	7,5	7	767	213	452	75	100	75	12600	2"	1287	1560
	8	8	720	200	424	75	100	75	12600			
	10	9,5	644	169	358	75	100	74	12600			
	13	12,5	565	157	333	75	100	74	12600			
DRE 100	7,5	7	856	238	504	75	100	72	12600	2"	1540	n.a.
	8,5	8	809	225	476	75	100	72	12600			
	10	9,5	720	200	424	75	100	71	12600			
	13	12,5	610	169	359	75	100	71	12600			
DRE 120	7,5	7	961	267	566	90	125	74	14760	2"	1570	n.a.
	8,5	8	947	263	558	90	125	74	14760			
	10	9,5	854	237	502	90	125	73	14760			
	13	12,5	700	194	412	90	125	73	14760			
DRE 150	7,5	7	1201	334	707	110	150	74	14760	2"	1900	n.a.
	8,5	8	1145	318	674	110	150	74	14760			
	10	9,5	1041	289	613	110	150	73	14760			
	13	12,5	880	244	518	110	150	73	14760			

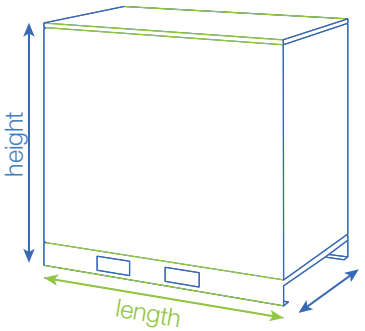
VARIABLE SPEED	Working Pressure	Min Free Air Delivery (7 bar)			Max Free Air Delivery*													Motor Power		Noise Level **	Cooling Air Volume	Com-pressed Air output diameter	Weight	
Model					7			9,5			10			12,5			13							IVR + dryer
	BAR	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	kW	hp	dB(A)	m³/h	"	kg	
DRE 100 IVR	4-10	257	71	151	856	238	504	737	205	434	715	199	421	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	75	100	72	12600	2"	1610	n.a.
	4-13	221	61	130	724	201	426	737	205	434	735	204	433	617	171	363	599	166	352	75	100	71	12600			
DRE 120 IVR	4-10	292	81	172	972	270	572	846	237	498	821	228	483	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	90	125	74	14760	2"	1640	n.a.
	4-13	257	71	151	862	239	508	857	238	505	855	238	504	721	200	425	700	194	412	90	125	73	14760			
DRE 150 IVR	4-10	199	55	117	1145	318	674	1020	283	601	990	275	583	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	110	150	74	14760	2"	1900	n.a.
	4-13	167	46	98	960	267	565	954	265	562	952	264	561	883	245	520	857	238	504	110	150	73	14760			

* Unit performance measured according to ISO 1217, Annex C, latest edition ** Noise level measured according to ISO 2151 with optional baffle
All technical data for Aircooled machines without integrated dryer. For technical data of Watercooled machines or machines with integrated dryer, please contact your local salesforce

Dimensions

FIXED SPEED	DIMENSIONS			
Model	length std mm	length with dryer mm	width mm	height mm
DRD 75 - 100	1660	2510	1060	1630
DRE 100 - 120	1860	n.a.	1060	1630
DRE 150	2330	n.a.	1060	1630

VARIABLE SPEED	DIMENSIONS			
Model	length IVR mm	length IVR + dryer mm	width mm	height mm
DRE 100 -120 IVR	1860	n.a.	1060	1630
DRE 150 IVR	2333	n.a.	1060	1630



Oil-injected Screw compressors, belt or gearbox driven
Range CSD
- DRD/DRE

- A high quality product offering you technology you can trust.
- Our products are easy to use and guarantee high reliability.
- Distributors are always nearby ensuring availability of both products and support.
- Choosing our high performance products entails a partnership that will boost your business.
- Safeguarding long-term productivity through optimal serviceability and use of original parts.

ORIGINAL PART

Care. Trust. Efficiency.

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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Contact your local Ceccato representative now!

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