

Solid, simple and smart: advanced reliability in compressed air

50Hz Oil-injected screw compressors fixed and variable speed

CSM60-180 DRD60-120, CSMV60-180 PM DRD60-120 PM





www.ceccato.com



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High performance components make for CSM60-180 and DRD60-120 series





Reliability

- Designed with 150 years industry experience
- Careful qualification of components
- Continuous endurance testing
- World class branded electricals.



Safety

- Emergency stop
- Protection grid
- Internal and external protection for the electric fan



Quality assurance

- High capacity oil/air coolers, perfect air filtration and cooling guarantee less thermal shocks and a longer life
- ISO9001, ISO14001 quality assurance
- OHSAS 18001 quality assurance
- End to end quality testing procedure



Easy installation and service

- Plug and play design
- No special foundation needed
- Easy access to all service components
- Minimum downtime at service intervention



Air cooler & oil cooler

Separate oil and air cooler for high-quality cooling. Perfect work at 46° C ambient temperature.



ES4000T controller

Easy-to-use, graphical touchscreen display with integrated connectivity to optimize and save energy.



Ceccato's in-house designed element

Guarantee the quality of compressed air and efficient operation.

Maximum the transmission efficiency via short gearest.



High efficiency air filter

Low pressure drop, less noise and 99.9% removal efficiency at $3\mu m$ solid particles.



Bionic design of fan

Lower wind drag and lower the noise by latest eagle wing-type fan install.

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Technical Data

Model	Working Pressure	Max. Pressure		otor wer	Capaci	ty FAD*	Noise	Weight	Connection	nection Dimension		าร
	mpa	mpa	kW	hp	l/s	cfm	dB(A)	kg	Size	L(mm)	W(mm)	H(mm)
	0.7	0.75	45		132	280	72	0.55			980	
	0.8	0.85			127	269			611/20	1722		1500
CSM60	1	1.05		60	118	250		866	G1 1/2"	1723		1600
	1.3	1.3			101	213						
	0.7	0.75	55	75	172	364	75			1656	1089	1840
CSM75	0.8	0.85			161	340		1100	G2"			
	1	1.05			142	301			G2"			
	0.7	0.75	75	100	227	481	74			1756	1089	1840
CSM100	0.8	0.85			214	454		1285	G2"			
	1	1.05			190	403						
	0.7	0.75		120	279	590	75			1756	1089	
CSM120	0.8	0.85	90		265	561		1400	G2"			1840
	1	1.05			236	501						
	0.7	0.75			343	726						2000
CSM150	0.8	0.85	110		328	695		1725	G2" 175	2052	1225	
CSIMISO	1	1.05		150	289	611	80	1/25	DIV80	2052	1325	
	1.25	1.3			259	549						
	0.7	0.75	422		402	852	80				1325	2000
CSM180	0.8	0.85		100	383	810		2015	DNIGO	2052		
	1	1.05	132	180	340	719		2015	DN80	2052		
	1.25	1.3			304	645						

Model	Working Pressure	Max. Pressure	Motor power		Capacity FAD*		Noise	Weight	Connection	Dimensions		ıs
	mpa	mpa	kW	hp	l/s	cfm	dB(A)	kg	Size	L(mm)	W(mm)	H(mm)
	0.7	0.75	45	60	133	281	70		G1 1/2"		980	
DRD60	0.8	0.85			133	281		906		1777		1600
DKD60	1	1.05			114	241		906		1/23		1600
	1.3	1.3			100	211						
	0.7	0.75	55	75	187	396	75					
DRD75	0.8	0.85			177	375		1110	628	1656	1089	1840
	1	1.05			153	325		1110	G2''	1030	1003	1040
	1.25	1.3			137	289						
	0.7	0.75	75	100	248	526	74			1723 1656 1756	1089	1840
DDD400	0.8	0.85			235	498		1205	624			
DRD100	1	1.05			204	433		1295	G2''			
	1.25	1.3			177	375						
	0.7	0.75	90	120	282	598				1756	1089	1840
DRD120	0.8	0.85			269	570	75	1200	624			
	1	1.05			240	508		1300	G2"			
	1.25	1.3			207	438						

 $^{^{\}ast}$ Unit performance measured according to ISO 1217. Annex C. latest edition and ISO 2151.

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Pioneering components make for a revolutionary range

- 1 Controller
- 2 Oil filter
- 3 Air filter
- 4 Air cooler & oil cooler
- 5 Oil-separator vessel
- 6 Screw element







Variable speed series: CSMV60-180 PM, DRD60-120 PM

Concerning to the factory life-cycle cost, the minimal operation cost can really benefit customer investment. Designed for frequently commissioning at load and unload condition, Ceccato CSMV PM and DRD PM air compressor meets the minimum power consumption to throughout the long-term commissioning and it can cut your energy bill by up to 35%.



ES4000T controller

- Remotely connect to your compressor anywhere, at any given moment
- Maximize productivity by eliminating the risk of downtime
- Increase reliability through planned service interventions
- Reports suggest cost optimizations



Oil-cooled drive train

Unique design, reliable and high efficiency drive train contribute to reduce energy loss and operation cost.





Imperium inverter

In-house designed Imperium inverter ensures perfect match between air demand and air supply.





Integrated fan

- Start stop coordinated by controller in accordance with the oil temperature.

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Technical Data

Model	Working Pressure Min-Max			otor wer	Capaci	ity FAD*	Noise	Weight	Connection	Dimensions		
	mpa	psig	kW	hp	l/s	cfm	dB(A)	kg	Size	L(mm)	W(mm)	H(mm)
CSMV60 PM	0.7-1.0	100-145	45	60	28-142	60-300	74	750	G1 1/2"	1723	980	1600
CSMV75 PM	0.70-0.85	100-123	55	75	43-183	92-388	75					10.40
CSIMIV / 5 PIMI	1.00-1.05	145-152			38-157	81-332		840	G2"	1656	1089	1840
CSMV100 PM	0.70-0.85	100-123	75	100	52-210	109-445	79	865	6311	1656 1	1089	1840
	1.00-1.05	145-152			47-182	99-385		805	G2"		1009	
CSMV120 PM	0.70-0.85	100-123	90	120	67-288	141-611	77	1080	624	1756	1000	10.40
	1.00-1.05	145-152			60-240	127-509		1080	G2"	1756	1089	1840
CCAN MEO DAG	0.70-0.85	100-123		150	87-340	184-720	80	1//00	DNIGO	2052	4225	7000
CSMV150 PM	1.00-1.30	145-189	110		102-287	215-607		1490	DN80	2052	1325	2000
CCNAVADO DNA	0.70-0.85	100-123	122	180	98-402	208-851	80	1500	DNIGO	2052	1325	7000
CSMV180 PM	1.00-1.30	145-189	132		102-340	215-720		1580	DN80			2000

Model	Working Pressure Min-Max			otor wer	Capaci	ty FAD*	Noise	Weight	Connection	Dimensions		
	mpa	psig	kW	hp	l/s	cfm	dB(A)	kg	Size	L(mm)	W(mm)	H(mm)
DRD60 PM	0.7-1.30	100-190	45	60	33-145	69-307	71	733	G1 1/2"	1723	980	1600
DDD75 D14	0.70-0.85	100-123	- 55	75	45-188	95-399	75	025	G2"	1656	1089	10/10
DRD75 PM	1.00-1.30	145-189			40-162	85-343		825				1840
DDDOE DM	0.70-0.85	100-123	75	100	53-215	113-456	79	0.40	620	1656	1089	10.40
DRD95 PM	1.00-1.30	145-189			43-185	92-392		840	u2"			1840
DDD100 D14	0.70-0.85	100-123	75	100	58-250	124-530	76	1075	631	1756	1089	10/10
DRD100 PM	1.00-1.30	145-189	75	100	48-213	102-452		1035	G2"			1840
DDD130 DM	0.70-0.85	100-123	00	120	70-300	148-636	76	1065	621	1756	1089	10/10
DRD120 PM	1.00-1.30	145-189	90		55-255	117-540		1065	G2"			1840

 $^{^{\}ast}$ Unit performance measured according to ISO 1217. Annex C. latest edition and ISO 2151.

Features and benefits

- 1 Less downtime
- 2 Robust and user-friendly
- 3 Industrial leading efficiency class







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Revolutionary drive train technology

Improved energy efficiency saves your money

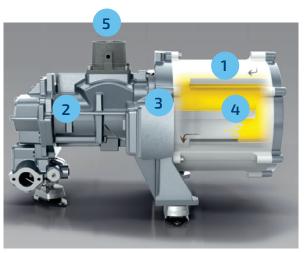
- In-house designed oil-cooled PM motor with oil-cooled PM Super Premium Efficiency.
- New generation in-house designed screw elements, with improved efficiency.
- Integrated direct drive transmission for minimal losses.
- Smart inlet valve optimizes the inlet flow and improves efficiency.

Increased reliability extends lifetime

- Oil-cooled PM motor rated IP66, premium protection against dust and water ingress.
- Globally renowned screw elements, proven in thousands of installations.
- Optimal cooling at all speeds and conditions thanks to oilcooling principle of the oil-cooled PM motor.

Maintenance-free design minimizes downtime and improves your productivity

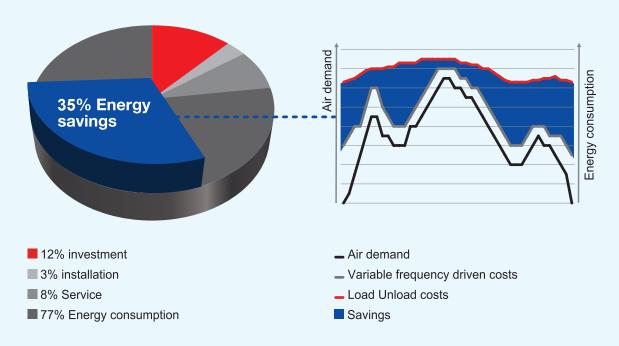
- Coupling-free direct drive design, no maintenance needed.
- Smart inlet valve, no maintenance needed.



- 1 Oil-cooled PM motor
- 2 In-house designed screw elements
- 3 Direct drive
- 4 Oil-cooling
- 5 Smart inlet value

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 35%.



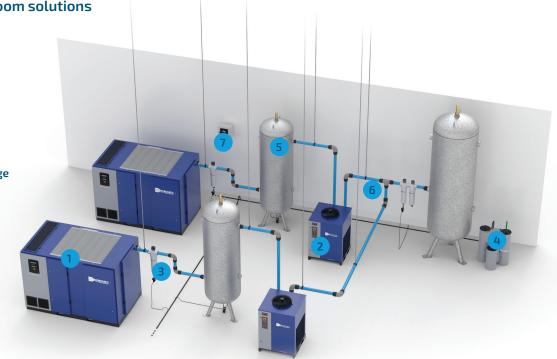
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A total solution for your quality air

Complete compressor room solutions

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



Line Filters

Purify the compressed air by eliminating oil/dust contaminants resulting in higher final product quality and an increase of your overall productivity.

Air Receiver

Buffer storage for compressed air. Helps with condensate separation, pressure stabilization and more efficient operation of the compressor.

Oil Water Separator

Captures the oil in compressor condensate so it can be disposed of in an safe and environment-friendly way.

AIRnet

Fast to install, reliable piping system, designed for compressed air applications offers lowest total cost of ownership.

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



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Contact your local representative:

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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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