

DX200-W – DX355-W / DX200^e-W – DX355^e-W

Water-cooled, Fixed Speed

Compression Concept:

100% oil free two-stage dry screw compressor

Cooling Type:

Water-cooled

Drive:

Fixed Speed / Direct Drive

Motors Energy efficiency class:

IE3



Type	Material Number	Nominal Power [kW]	Operating pressure [bar(g)]	Volume flow at Operating pressure 7 bar(g)	Weight [kg]	Length	Dimensions [mm]	Height	Delivery connection Compressed air / Cooling water	List price [EUR]
DX200-7W	/	200	4,0 – 7,5	37,7	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	204.820
DX200 ^e -7W	/	200	4,0 – 7,5	38,1	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	230.020
DX200-8W	A35004001_CA	200	4,0 - 8,5	35,1	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	204.820
DX200 ^e -8W	A35004002_CA	200	4,0 - 8,5	35,6	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	230.020
DX200-10W	/	200	4,0 - 10,5	31,9	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	204.820
DX200 ^e -10W	/	200	4,0 - 10,5	32,4	5.734	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	230.020
DX250-7W	/	250	4,0 – 7,5	45,2	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	213.820
DX250 ^e -7W	/	250	4,0 – 7,5	45,6	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	240.020
DX250-8W	A35004003_CA	250	4,0 - 8,5	43,7	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	213.820
DX250 ^e -8W	A35004004_CA	250	4,0 - 8,5	44,1	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	240.020
DX250-10W	/	250	4,0 - 10,5	40,7	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	213.820
DX250 ^e -10W	/	250	4,0 - 10,5	41,2	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	240.020
DX315-7W	/	315	4,0 – 7,5	52,9	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	246.820
DX315 ^e -7W	/	315	4,0 – 7,5	53,3	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	272.020
DX315-8W	A35004005_CA	315	4,0 - 8,5	51,4	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	246.820
DX315 ^e -8W	A35004006_CA	315	4,0 - 8,5	51,8	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	272.020
DX315-10W	/	315	4,0 - 10,5	49,2	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	246.820
DX315 ^e -10W	/	315	4,0 - 10,5	49,6	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	272.020
DX355-10W	A350029007	355	4,0 - 10,5	52,9	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	278.020
DX355 ^e -10W	A350029008	355	4,0 - 10,5	53,3	5.754	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	300.020

DX200-A – DX315-A

Air-cooled, Fixed Speed

Compression Concept:

100% oil free two-stage dry screw compressor

Cooling Type:

Air-cooled

Drive:

Fixed Speed / Direct Drive

Motors Energy efficiency class:

IE3



Type	Material Number	Nominal Power [kW]	Operating pressure [bar(g)]	Volume flow at Operating pressure 7 bar(g)	Weight [kg]	Length	Dimensions [mm]	Height	Delivery connection Compressed air	List price [EUR]
DX200-7A	/	200	4,0 – 7,5	37,6	6.426	3.457	2.152	2.446	ANSI 4" 150LB	204.820
DX200-8A	A35004021_CA	200	4,0 - 8,5	35,1	6.426	3.457	2.152	2.446	ANSI 4" 150LB	204.820
DX200-10A	/	200	4,0 - 10,5	31,9	6.426	3.457	2.152	2.446	ANSI 4" 150LB	204.820
DX250-7A	/	250	4,0 – 7,5	45,2	6.446	3.457	2.152	2.446	ANSI 4" 150LB	213.820
DX250-8A	A35004022_CA	250	4,0 - 8,5	43,6	6.446	3.457	2.152	2.446	ANSI 4" 150LB	213.820
DX250-10A	/	250	4,0 - 10,5	40,7	6.446	3.457	2.152	2.446	ANSI 4" 150LB	213.820
DX315-7A	/	315	4,0 – 7,5	52,9	6.446	3.457	2.152	2.446	ANSI 4" 150LB	246.820
DX315-8A	A35004023_CA	315	4,0 - 8,5	51,4	6.446	3.457	2.152	2.446	ANSI 4" 150LB	246.820
DX315-10A	/	315	4,0 - 10,5	49,2	6.446	3.457	2.152	2.446	ANSI 4" 150LB	246.820

DX200-RSW – DX355-RSW / DX200^e-RSW – DX355^e-RSW

Water-cooled, Regulated Speed

Compression Concept:

100% oil free two-stage dry screw compressor

Cooling Type:

Water-cooled

Drive:

Regulated Speed / Direct Drive

Motors Energy efficiency class:

IE3, Power Drive System: IES2



Type	Material Number	Nominal Power [kW]	Operating pressure [bar(g)]	Volume flow at Operating pressure 7 bar(g)	Weight [kg]	Length	Dimensions [mm]	Height	Delivery connection Compressed air / Cooling water	List price [EUR]
DX200-10RSW	A35004007_CA	200	4,0 - 10,7	11,6 - 34,7	5.864	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	251.400
DX200 ^e -10RSW	A35004008_CA	200	4,0 - 10,7	12,1 - 35,5	5.864	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	272.400
DX250-10RSW	A35004009_CA	250	4,0 - 10,7	12,4 - 42,1	5.864	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	274.400
DX250 ^e -10RSW	A35004010_CA	250	4,0 - 10,7	12,9 - 43,2	5.864	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	295.400
DX315-10RSW	A35004011_CA	315	4,0 - 10,7	14,7 - 50,2	5.894	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	298.400
DX315 ^e -10RSW	A35004012_CA	315	4,0 - 10,7	15,2 - 51,2	5.894	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	319.400
DX355-10RSW	/	355	4,0 - 10,7	14,7 - 50,8	5.894	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	327.400
DX355 ^e -10RSW	/	355	4,0 - 10,7	15,2 - 51,2	5.894	3.457	2.152	2.446	ANSI 4" 150LB 2" BSPT	349.400

DX200-RSA – DX315-RSA

Air-cooled, Regulated Speed

Compression Concept:

100% oil free two-stage dry screw compressor

Cooling Type:

Air-cooled

Drive:

Regulated Speed / Direct Drive

Motors Energy efficiency class:

IE3, Power Drive System: IES2



Type	Material Number	Nominal Power [kW]	Operating pressure [bar(g)]	Volume flow at Operating pressure 7 bar(g)	Weight [kg]	Length	Dimensions [mm]	Height	Delivery connection Compressed air	List price [EUR]
DX200-10RSA	A35004024_CA	200	4,0 - 10,5	31,9	6.426	3.457	2.152	2.446	ANSI 4" 150LB	246.200
DX250-10RSA	A35004025_CA	250	4,0 - 10,5	40,7	6.446	3.457	2.152	2.446	ANSI 4" 150LB	269.200
DX315-10RSA	A35004026_CA	315	4,0 - 10,5	49,2	6.446	3.457	2.152	2.446	ANSI 4" 150LB	293.200

Options for DX200 – DX355

	Description	List price [EUR]
Remote Start/Stop	Enabling this set point allows the compressor to be started and stopped using the digital inputs on the controller.	Standard
Integral Sequencing	Integral Sequencing allows the compressor to be networked with up to three other compressors (incl. up to 1 variable speed compressor) to maintain a stable system pressure by loading and unloading compressors as needed. Integral sequencing requires no additional hardware other than a serial two wire connection daisy chained between all compressors in the system, connected to port Com 1 on the controller.	Standard
Power Outage Restart (PORO)	For the “real time clock” timed operation function which is available within the controller, or for customers who anticipate interruptions in their incoming power supplied to their compressors, but need to maintain their supply of compressed air, the Power Outage Restart Option allows the compressor to restart automatically within an adjustable time period after incoming power is restored following power interruption	969
Remote Pressure Transducer	Enables the customer to load/unload the compressor from a pressure sensor located at customer-desired point, instead of the compressor package discharge.	857
Electronic Soft Starter (only available for fixed speed models)	The optional soft start facilitates reducing starting current to the lowest value achievable, compatible with positive starting of the drive motor. This system is offered to overcome issues where local equipment is sensitive to, or expected to be effected by disturbances in power supplies caused by relatively high starting currents and transient spikes caused by traditional contactor switching motor starters. All soft starters are integrally mounted inside compressor starter box.	On request
Phase Monitor (only available for fixed speed models. For variable speed already included in the functionality of the inverter)	Detects phase loss, phase reversal, low voltage (brown out) and phase imbalance	On request
Motor w/Space Heater and RTD (only available for fixed speed models)	The heaters provide trouble-free starting, and eliminate problems caused by condensation (loss of insulation). The scope of supply for this option is : 1 x Set of RTD PT100 sensor on the winding (One per phase) 1 x Set of RTD PT100 sensor on the Bearings (One on Non Drive End and one on Drive End Bearing) Space heaters on motors (Main and Fan Motor)	3.250
Medium Voltage Motor 6 kV / 50 Hz 200-355 kW, IP55 (only available for fixed speed models)	The electrical design and robustness are equivalent to the standard voltage motors. They have the same cast iron frame, IP55 protection, Class F insulation and temperature monitoring like the standard voltage motors	on request
Medium Voltage Motor 10 kV / 50 Hz 200-355 kW, IP55 (only available for fixed speed models)	The electrical design and robustness are equivalent to the standard voltage motors. They have the same cast iron frame, IP55 protection, Class F insulation and temperature monitoring like the standard voltage motors	on request
Sealed Containment Base	This variation of the standard rugged base frame has a welded and sealed tray to provide a full containment of lubricant in the event of spillage during maintenance and can contain the full sump capacity of lubricant	6.490
High Dust Inlet Filter	Heavy duty and high capacity filter, enclosed in a shroud, for use in dirty, dusty environments. The filter has two stages of separation; a centrifugal primary stage is employed to mechanically separate larger dust particles, which are ejected, followed by a high capacity dry type filter element. Minimum efficiency at 3 microns is 99.0% (ISO 12103-1 A2 fine dust at a velocity of 15 cm/s)	6.500
High Dust Package Pre-Filter (only available for fixed speed models)	Designed for dirty environments to pre-clean the cooling air going into the package	9.610
Outdoor Modification 2°C to 46 °C (only available for fixed speed models)	In installations which may be exposed to rain ingress this option will ensure that sensitive electrical areas are ingress protected and any water penetration into the general machine is channeled out of the enclosure appropriately. Does not include a frost protection down to -10°C see separate option!	8.620

Frost Protection -23°C (Not included in Outdoor Modification Option) (only available for air-cooled models)	Starting a compressor with viscous lubricant, condensation within the electrical components or frozen condensate drainage systems can all result in damage. To protect against such an event the controller will warn if freezing conditions occur at start-up, and the fitted heaters will execute a warm-up cycle prior to loading. For units to be installed in conditions with temperatures down to -23°C, CompAir offers a combination of heating elements in the starter panel, trace heating and motor heaters or to prevent moisture or freezing of condensate when the unit is shut down. The heaters can be wired directly to a suitable customers' supply voltage or through the starter so they can switch on when the units shut down. Through a VFD on the blower, the controller maintains proper compressor temperatures even in the cold environment. NOTE: Outdoor Modification is a separate option and can be ordered in conjunction with frost protection.	18.000
High Ambient Protection up to 55°C (only available for fixed speed models 200 kW - 315 kW))	Allows the compressor to operate at ambient temperatures of 2 to 55°C. Not available for the 355 kW models	
No Aftercooler (HOC Connection – Full Flow) (only available for water-cooled models)	Unit is delivered without aftercooler to reach higher discharge temperatures, suitable for connecting an HOC dryer. For further information on discharge temperatures with this option see technical datasheets	-5.200
HOC Connection – Partial Flow (Heat Of Compression) (only available for water-cooled models)	Additional media connection HOC (Heat Of Compression) for the desorption of an adsorption dryer by means of a partial compressed air volume flow, using the heat of compression	On request
ERS Ready (only available for water-cooled models)	Preparation for external energy recovery. Enables the compressor to reach cooling water outlet temperatures of up to 75°C (higher temperatures up to 90°C on request)	23.400
Ultra FG Coolant	Ultra FG is an H-1F and NSF certified food grade lubricant designed specifically to help customers in the food and beverage industries meet their production quality standards. Ultra FG offers longer life (8000 hours +) compared to commercial food grade compressor lubricants. Ultra FG also has outstanding anti-wear protection and exhibits resistance to formulation of foam, sludge, varnish, and corrosive acids.	3.250
Ultra EL Coolant	Advanced synthetic lubricant, performs up to twice as long as other lubricants, minimizing downtime and lowering lifecycle costs. Ultra EL is expected to last 16,000 hours in typical applications, offers superior wear protection, better corrosion protection and improved performance in the presence of air and water	2.160
Customer Inspection Witness Test	Customer Performance audit of compressor at factory	6.360
Test Certificate	Protocol of the factory test results documented during the test run	85
Quality Plan	Copy of the Quality Control Plan according to Ingersoll Rand standard procedure	1.630
Test Report EN 60204-1	Compressor test report about testing of the electrical safety in accordance with DIN VDE 0113 / EN 60204-1.	300 (net price)