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# ***DETROIT AIR***

*COMPRESSED AIR INNOVATION THROUGH TECHNOLOGY*

## **PRODUCT CATALOGUE**

### **SCREW COMPRESSORS**





With the integration of cutting-edge European inverter technology, Detroit Air proudly presents its comprehensive collection of variable speed drive systems. Engineered with utmost precision, the Variable Speed Drive (VSD) Series showcases impeccably stable performance, prioritising user-centric operation. Equipped with an optimised full-function protection system and a state-of-the-art touchscreen featuring an intuitive user interface, Detroit Air VSD models offer unrivalled efficiency. Experience substantial energy savings of up to 30% or more, a testament to the superior craftsmanship of Detroit Air. Our esteemed product line encompasses a wide array of variable speed single- and two-stage machines, meticulously crafted for excellence, available in both the ECO and PREMIUM ranges.

## VECTOR CONVERSION TECHNOLOGY

Harnessing the power of Vector Conversion Technology, our drives not only ensure precise torque control but also maintain optimal motor temperatures through an intelligent control system. By utilizing the motor's magnetic flux and torque references provided by the drive's speed control, our advanced control system accurately calculates the exact corresponding current component references required. This remarkable technology unlocks a range of advantages, including the ability to deliver full torque at any RPM, facilitating seamless acceleration and deceleration to meet sudden changes in air delivery demand. Moreover, it effectively minimizes temperature, noise, and vibration, thereby extending the service life of the system while conserving energy.

- Full torque to be delivered at any RPM.
- The sudden acceleration and deceleration of the system to meet sudden changes in air delivery demand.
- Minimises temperature, noise, and vibration.
- Extends service life while conserving energy.

Detroit Air has brought this technology to the everyday user of compressed air machinery, promoting both profit generation and environment preservation. Our ranges include:

- ✦ **BZ SERIES**
- ✦ **CZ SERIES**
- ✦ **DB PREMIUM SERIES**
- ✦ **DC ECO SERIES**
- ✦ **EZ SERIES**
- ✦ **OIL-FREE SERIES**
- ✦ **SR 220V SERIES**
- ✦ **SR ECO SERIES**
- ✦ **ZERO SERIES**



## G2DB PREMIUM SERIES

Our user-focused compressed air solution offers outstanding value and reliable performance, tailored to meet your specific needs. Coupled with our advanced control system, it provides a comprehensive package that goes beyond expectations. With total IT integration and the convenience of off-site control and monitoring, our solution empowers you with unparalleled accessibility and control over your compressed air system

### FEATURES:

- **Intelligent PLC Control System:** This system allows full customisation of the system air output and delivery by the user. The PLC is able to integrate with various IT solutions offering the user full remote control and system monitoring.
- **Cabinet:** European design and maintenance focused configuration for quick servicing and less downtime. This allows for reduced maintenance costs and less production loss, contributing to a very low total cost of ownership.
- **Visual Warning System:** VWS is designed to provide a visual indication of the machine's operating status in noisy environments. This system uses industrial-grade LED strip lights to show the current status of the machine through various colours. The system is programmed to display various colours for normal, fault, service, and emergency operational status (not available in all markets).
- **Directly Driven Motor Structure:** This allows for the direct transfer of energy to the air-end master rotor, increasing efficiency and reducing vibration. This system is used from 10HP up to 50HP in an 8 or 10 bar pressure output. Larger machines use a directly coupled transfer system. Belt drive configuration is available on request.
- **Air-end:** Long bearing life and energy efficiency are core design elements of the new generation of DB air-ends. The DB series provides rock-solid performance coupled with a very long design life. SKF bearings are used and the RPM of the rotors are kept as low as possible. High-tech production machinery ensures consistent quality and superior air delivery.
- **Electric Motor:** Electrical efficiency and performance stability are key points in the design of the DB range of screw compressors, as is motor protection. All DB screws feature full PLC motor protection which covers low/high voltage, high current, high temperature, open phase, reverse phase and overload situations.

## G2DB PREMIUM SERIES 75HP and up

Introducing the G2DB Premium Series, starting from 75HP and up, a high-performance solution designed to deliver exceptional value, world-class efficiency, and substantial energy savings. Equipped with an advanced control system that offers seamless IT integration, this series provides a holistic solution for your needs. With performance and reliability as its core functions, the G2DB Premium Series sets the benchmark for excellence in compressed air systems.

### FEATURES:

- **Intelligent PLC Control System:** This system allows full customisation of the system air output and delivery by the user. The PLC is able to integrate with various IT solutions offering the user full remote control and system monitoring.
- **Cabinet:** European design and maintenance focused configuration for quick servicing and less downtime. This allows for reduced maintenance costs and less production loss, contributing to a very low total cost of ownership.
- **Visual Warning System:** VWS is designed to provide a visual indication of the machine's operating status in noisy environments. This system uses industrial-grade LED strip lights to show the current status of the machine through various colours. The system is programmed to display various colours for normal, fault, service and emergency operational status.
- **Directly Coupled Motor Structure:** This allows for the direct transfer of energy to the air-end master rotor or gear drive increasing efficiency and reducing vibration.
- **Air-end:** Long bearing life and class-leading efficiency are what the SR range focuses on. The SR Series Air-ends provide rock-solid performance coupled with a very long design life. SKF bearings are used and the RPM of the rotors are kept as low as possible. Rotors are balanced and size-matched to enhance air delivery and reduce vibration and noise to an absolute minimum.
- **Electric Motor:** Electrical efficiency and performance stability are key points in the design of the SR range of screw compressors, as is motor protection. Standard IP54 motors are used. IE3 or IE4 motors can be supplied on request to provide you with the highest possible energy savings. All SR screws feature full PLC motor protection which covers low/high voltage, high current, high temperature, open phase, reverse phase and overload situations.
- **Variable Speed Drive:** VSD-equipped models are available to enhance energy efficiency and reduce total cost of ownership to the bare minimum. World-class brand name inverters are used and offer all the standard protection features one would expect in a premium machine.

## G2SR / G2DC / BZ / CZ / EZ / ECO SERIES

For clients seeking problem-solving solutions, we present the Eco Series—an intelligently designed screw air compressor that embodies the philosophy of 'nothing unnecessary'. Spanning from 10HP to an impressive 150HP, this range offers versatility and efficiency. Notably, the 10HP to 60HP models feature distinct power-train configurations that differ from the G2DB models. The cost savings primarily stem from optimising the air-end and motor structure. Each compressor range under the DetroitAir and Specialist Rotary brand names is meticulously tailored to meet specific market demands, accommodating both application requirements and budgetary considerations. By streamlining the design and manufacturing process, we have achieved significant simplification, resulting in lower production costs. Models from 75HP and up boast more advanced power-train configurations, with options ranging from fixed to variable speed, and single- or two-stage operation.

The Economy Series Screw Compressors not only offer the benefits of a customer-focused cabinet structure for convenient and efficient servicing but also provide cost-saving advantages to clients seeking tailored solutions. With competitively priced parts and spares, these compressors cater to the budget-conscious without compromising durability. Designed to excel in harsh environments, the Eco Series models demonstrate resilience and provide years of reliable service. The model ranges encompass both fixed and variable speed options, as well as single- and two-stage configurations, offering flexibility to meet diverse needs. Additionally, tank-mounted package units are available, ensuring a comprehensive range of compressed air solutions.







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# THE AFRICA SERIES:

variable speed drive



MODEL		A-10 VSD	A-20 VSD	A-30 VSD
MOTOR POWER	KW	7.5	15	22
FAD/ DISCHARGE PRESSURE	0.7Mpa			
	0.8Mpa	1.0	2.15	3.21
	1.0Mpa			
OIL VOLUME	LTRS	6	7.5	13
SERVICE FACTOR		SF1.2	SF1.2	SF1.2
380V FULL LOAD CURRENT 380V		15.5	33.3	45.5
400V FULL LOAD CURRENT 400V				
415V FULL LOAD CURRENT 415V				
FAN MOTOR	WATT	90	270	450
AIRFLOW OF COOLING FAN M <sup>3</sup> /HR		2510	3950	7328
MINIMUM CABLE CROSS SECTION (MM <sup>2</sup> ) PER CORE		4	10	16
DIMENSIONS (MM)	L	750	900	1080
	W	600	750	750
	H	850	100	1120
NET WEIGHT	KG	115	180	270
NOISE	dB(A)	70±3	72±3	75±3
OUTLET DIAMETER		R3/4"	R3/4"	R1"







# THE STORY OF THE AFRICA SERIES:

## Fixed Speed & VSD

The Africa series was originally developed as a promotional item for our 20 year anniversary (April 2024) to show thanks to our clients for their support and to show our love and appreciation for Africa and its people.. It was limited to small production numbers and a limited range. The Africa Series has been engineered to be affordable to as many small businesses as possible, so as to promote growth of small scale production and manufacturing on pricing.

We designed specific reliability into the range so it would not just be another cheap machine, but would be cheap and reliable. Africa series became so popular so fast that we could not keep up with demand. Detroit Air had created a new market segment for lower budgets with lower technology requirements; so we expanded the range and invested in new technology to further reduce production costs and times, particularly on the 10 to 30HP models aimed specifically at the entry level markets. the Africa

Series have a very unique power-train design in the 10 to 30hp, which also requires they come only in VSD. This design further adds efficiency to low costs making it the machine of choice for the entry level market between 10HP to 30hp.

We offer the most competitively priced 10hp VSD to 30hp VSD screw compressors, probably on the continent. The Africa Series has cemented Detroit Air as the market leader and brand of choice in the Southern African market. We came into the market 20 years ago and promised value and quality, and have delivered that for 20 years now, and look forward to another 20 years of growth and innovation in the compressed air market. Thanks to you and thanks to Africa for making us Number 1.



MODEL		A-40 (incl.VSD)	A-50 (incl.VSD)	A-60 (incl.VSD)	A-75 (incl.VSD)	A-100 (incl.VSD)	A-125 (incl.VSD)	A-150 (incl.VSD)	A-175 (incl.VSD)	A-200 (incl.VSD)	A-250 (incl.VSD)	A-350 (incl.VSD)
MOTOR POWER	KW	30	37	45	55	75	90	110	132	160	185	250
	0.7Mpa	5,1	6,5	7,2	9,4	12,1	15,1	19,0	21,8	27,3	29,5	42,2
	0.8Mpa	5,0	6,4	7,1	9,3	12,0	15,0	18,9	21,7	27,2	29,4	42
FAD/ DISCHARGE PRESSURE	1.0Mpa	3,6	4,9	6,3	7,0	9,2	11,9	14,8	18,8	21,7	27	38,2
	LTRS	18	18	20	44	46	50	84	84	120	120	140
OIL VOLUME		18	18	20	44	46	50	84	84	120	120	140
SERVICE FACTOR		SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2	SF1.2
380V FULL LOAD CURRENT 380V		65	77	86	115	155	192	232	274	322	375	518
400V FULL LOAD CURRENT 400V		60	73	82	108	150	184	220	263	312	360	494
415V FULL LOAD CURRENT 415V		56	70	77	103	145	172	215	251	302	351	478
FAN MOTOR		920	920	920	1100	2200	3500	4000	4000	1100*4	1100*4	4500*2
WATT		920	920	920	1100	2200	3500	4000	4000	1100*4	1100*4	4500*2
AIRFLOW OF COOLING FAN M³/HR		12210	12210	12210	16000	20500	25200	28000	28000	39200	39200	48000
MINIMUM CABLE CROSS SECTION (MM²) PER CORE		25	25	35	50	70	70	95	95	95	95	150
DIMENSIONS (MM)	L	1450	1450	1450	1780	1780	1885	2150	2150	2670	2670	3100
	W	1000	1000	1000	1180	1180	1230	1380	1380	1725	1725	2100
	H	1300	1300	1300	1500	1500	1570	1850	1850	1990	1990	2000
NET WEIGHT		500	580	650	1350	1500	1750	1950	2200	3400	3600	4200
KG		500	580	650	1350	1500	1750	1950	2200	3400	3600	4200
NOISE		70±2	72±2	72±2	74±2	76±2	76±2	80±2	80±2	82±2	82±2	82±2
dB(A)		70±2	72±2	72±2	74±2	76±2	76±2	80±2	80±2	82±2	82±2	82±2
OUTLET DIAMETER		G1 1/2"	G1 1/2"	G1 1/2"	G2"	G2"	G2"	G2 1/2"	G2 1/2"	DN80	DN80	DN80







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## DB SERIES PREMIUM SCREW COMPRESSORS

A user focused compressed-air solution that delivers excellent value and reliable performance combined with an advanced control system that offers total IT integration and off-site control and monitoring.

### DB PREMIUM SERIES ROTARY SCREW COMPRESSORS

## DB PREMIUM

**A PERFORMANCE FOCUSED SOLUTION THAT DELIVERS VALUE , WORLD-CLASS EFFICIENCY AND ENERGY SAVINGS COMBINED WITH AN ADVANCED CONTROL SYSTEM THAT OFFERS TOTAL IT INTEGRATION. PERFORMANCE AND RELIABILITY ARE THE CORE FUNCTIONS OF THIS RANGE.**

### INTELLIGENT PLC CONTROL SYSTEM

This system allows full customisation of the system air output and delivery by the user. The PLC is able to integrate with various IT solutions offering the user full remote control and system monitoring.

## KEY PRODUCT FEATURES

### CABINET

European design and maintenance focused configuration for quick servicing and less downtime. This allows for reduced maintenance costs and less production loss, SCREW COMPRESSORS contributing to a very low total cost of ownership.

### VISUAL WARNING SYSTEM

VWS is designed to provide a visual indication of the machine's operating status in noisy environments. This system uses industrial grade LED strip lights to show the current status of the machine through various colours. The system is programmed to display various colours for normal, fault, service and emergency operational status (Not available in all markets.) .

### DIRECTLY DRIVEN MOTOR STRUCTURE

This allows for direct transfer of energy to the air-end master rotor, increasing efficiency and reducing vibration. This system is used from 10hp up to 50hp in an 8 or 10 bar pressure output. Larger machines use a directly-coupled transfer system. Belt drive configuration is available on request.

### ELECTRIC MOTOR

Electrical efficiency and performance stability are key points in the design of the DB range of screw compressors, as is motor protection. All DB screws feature full PLC motor protection which covers low/high voltage, high current, high temperature, open phase, reverse phase and overload situations.







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# G2DB 220V SERIES

Tank mounted 220V variable speed



## ADVANCED ENGINEERING, EXCELLENT UTILITY

**Wider Range:** Wide range of models offers a small compact solution that competes with a similar sized piston compressor. Motor power range from 5hp up to 7.5hp and tank sizes from 100L up to 200L.

**Premium Duty:** The Premium Duty models offer exceptional pressure capabilities, suitable for operating within the range of 8 Bar to 10 Bar maximum pressures. With a focus on power, efficiency, and silence, these compressors deliver compressed air precisely when it is needed, eliminating wastage. Ideal for both home and small business use, the Premium Duty series provides an excellent alternative to piston compressors, combining reliability and performance.

**Feature Packed:** The G2DB 220V Series is feature-packed, with all models equipped with oil-cooled motors and variable speed functionality. These compressors excel in low energy consumption, ensuring super silent operation. Advanced protection features and simple operation enhance user convenience. Cost-effective service parts, coupled with a long service life and robust construction featuring high-quality powder coating, demonstrate our commitment to excellent engineering. Rest assured, all models are backed by our solid warranty and support policy.

TECHNICAL DATA	G2DB-4VSD	G2DB-5.5VSD	G2DB-7.5VSD
NAME	PARAMETERS	PARAMETERS	PARAMETERS
DISPLACEMENT	380LPM / 13.4CFM	530LPM / 18.7CFM	720LPM / 25.4CFM
EXHAUST PRESSURE	0.8 OR 1.0MPA MAX	0.8 OR 1.0MPA MAX	0.8 OR 1.0MPA MAX
MOTOR POWER	3.7KW	4.5KW	5.5KW
VOLTAGE/FREQUENCY	220/50HZ/1-PHASE	220/50HZ/1-PHASE	220/50HZ/1 PHASE
NOISE LEVEL AT 1M	65DB(A)	65DB(A)	65DB(A)
COOLING METHOD	OIL COOLED	OIL COOLED	OIL COOLED
AMOUNT OF LUBRICANT	2.5L	2.5L	4.5L
OIL CARRYING CAPACITY OF OUTLET GAS	≤3PPM	≤3PPM	≤3PPM
START MODE	SOFT START / VSD	SOFT START / VSD	SOFT START / VSD
OUTLET SIZE	G3/4"	G3/4"	G3/4"
VOLUME OF GAS STORAGE TANK	160L	160L	200L
WEIGHT	120KG	120KG	150KG
DIMENSIONS	1100*520*1125MM	1100*520*1125MM	1300*520*1125MM







# G2DB PREMIUM SERIES

## G2DB Standalone



### PREMIUM INDUSTRIAL MODELS

The DB Series Premium models showcase a newly designed cabinet focused on serviceability, providing effortless access to all service parts and critical components. The cabinets feature a simplistic yet effective design, offering outstanding sound insulation and vibration damping capabilities. The well-sealed electrical panels and easily accessible service spares enhance convenience during maintenance. Despite its compact footprint, the cabinet is suitable for installation in tight spaces. Moreover, the DB Series Premium models are designed to operate within specifications even in ambient temperatures up to 55°C

### REMOTE MONITORING

Remote monitoring support through Wi-Fi-based mobile phone web and Android-based app is a standard feature for all DB models equipped with a Detroit 6070/6080 or 6090 PLC control system. This system enables real-time data monitoring, stop and start functions, and parameter changes, providing comprehensive control and monitoring capabilities.

MODEL		DB-10	DB-15	DB-20	DB-30	DB-40	DB-50	DB-60	DB-75	DB-100	DB-125	DB-150	DB-175	DB-200	DB-250	DB-350
MOTOR POWER	kW	7,5	11	15	22	30	37	45	55	75	90	110	132	160	185	250
UNIT OF MEASURE	MPa (m³/min)	Air-end air delivery measured according to ISO 1217 suction conditions. Based on 0,8MPa pressure. Applicable pressure 0,8MPa														
FAD/ DISCHARGE PRESSURE	0.7 MPa						7.7	9.7	12.5	16.3	21.0	25.2	29.2	32.2	46.5	
	0.8 MPa						7.4	9.2	12.3	15.4	20.0	23.2	27.9	30.4	45.5	
	1.0 MPa	1.25	1.66	2.36	4.0	5.1	6.98	7.1	9.0	12.1	14.1	18.7	22.7	25.7	28.8	35.8
UNIT OF MEASURE	(PSI/CFM)															
FAD/ DISCHARGE PRESSURE	100						341	441	576	742	890	1031	1137	1642		
	116						323	434	544	706	819	985	1074	1607		
	145	44	59	83.6	141.3	183.4	246.6	254	319	427	498	660	802	908	1017	1264
DRIVE TYPE		Direct coupled														
START SYSTEM		Star-Delta												Star-Delta (Soft-start as optional)		
OIL TYPE		#46 Shell Corena S3 Semi Synthetic														
OIL VOLUME	LTRS	6	7.6	10	14	14	38	52	120							
MOTOR ENERGY RATING (%)	90	90.3	90.3	89.9	90.7	91.2	91.7	92.1	92.7	93	93.3	93.5	93.7	94	94	
MOTOR SERVICE FACTOR	1.1	1.15	1.2	1.25	1.2											
FULL LOAD CURRENT AT 380V	16.5	23.7	31.1	43	63	78	87	115	157	190	237	277	335	388	524	
FULL LOAD CURRENT AT 400V	15.7	22.6	29.7	41	60	74	82	110	150	181	225	263	319	368	498	
FULL LOAD CURRENT AT 415V	15.2	21.7	28.6	39	58	71	79	106	114	175	217	254	308	355	480	
COOLING METHOD		Air cooled														
FAN MOTOR POWER	WATT	145	190	450	860	860*2	4800	5200	7500*2							
AIRFLOW OF COOLING FAN (M³/HR) PER FAN	3110	3900	7000	10800	10800*2	18720	21420	34980								
REQUIRED CIRCUIT BREAKER	Amp	CONSULT YOUR ELECTRICIAN, TAKE INTO ACCOUNT CABLE LOSSES THROUGH INSTALLATION AND LENGTH														
MINIMUM CABLE CROSS SECTION (MM²) PER CORE	6	10	15	25	35	50	70	95	150							
DIMENSIONS (mm)	L	850	900	900	1350	1350	1500	1500	1900	1900	2100	2600	2600	2660	2660	
	W	630	750	750	895	895	1000	1000	1300	1300	1510	1510	1510	1715	1715	
	H	970	1100	1100	1150	1150	1195	1195	1600	1600	1800	1800	1800	2020	2020	
NET WEIGHT	Kg	240	300	330	370	495	505	560	950	1000	1480	1570	1900	4300		
NOISE	dB(A)	65 ± 2	66 ± 2	69 ± 2	71 ± 2	72 ± 2	75 ± 2	78	79	70 ± 3	70 ± 4	70 ± 5				
OUTLET DIAMETER	G3/4"	G1"	G1 1/2"	G2"	DN65	DN80										







# G2DB PREMIUM SERIES

## Variable speed Drive



## ADVANCED ENERGY SAVINGS

Vector Conversion Technology guarantees that the motor delivers the proper torque control whilst maintaining minimum motor temperatures through the intelligent control system. The control system calculates (from the motor's magnetic flux and torque references given by the drive's speed control) the exact corresponding current component references required. It also allows for:

- Full torque to be delivered at any RPM.
- The sudden acceleration and deceleration of the system to meet sudden changes in air delivery demand.
- Minimises temperature, noise, and vibration.
- Extends service life while conserving energy

MODEL	DB-10	DB-15	DB-20	DB-30	DB-40	DB-50	DB-60	DB-75	DB-100	DB-125	DB-150	DB-175	DB-200	DB-250	DB-350
MOTOR POWER	7,5	11	15	22	30	37	45	55	75	90	110	132	160	185	250
UNIT OF MEASURE	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD	VSD
NOTE	Air-end air delivery measured according to ISO 1217 suction conditions. Based on 0,8MPa pressure. Applicable pressure 0,8MPa														
	Pressures higher than 1.0MPa/145PSI need to be specified on order														
FAD/ DISCHARGE PRESSURE - FULL LOAD	0.7 MPa														
	0.8 MPa														
	1.0 MPa	1,25	1,66	2,36	4,29	5,1	6,0	7,1	9,66	12,18	15,2	18,06	22,26	25,2	44,21
	1.2 MPa								7,6	9,76	11,9	14,4	17,6	20,95	38,1
UNIT OF MEASURE	(PSI/CFM)														
FAD/ DISCHARGE PRESSURE - FULL LOAD	100														
	116														
	145														
	174														
DRIVE TYPE	Direct coupled														
START SYSTEM	VSD														
OIL TYPE	#46 Shell Corena S3 Semi Synthetic														
OIL VOLUME	6,5	10	18	22	44	52	120	170							
MOTOR ENERGY RATING (%)	92,1	93	93,4	94,4	94,5	94,8	95,1	95,4	95,6	95,8	96	96	96	96	96
MOTOR POWER FACTOR	1,2														
FULL LOAD CURRENT AT 380V	15,4	22,4	30,5	44,2	60,2	74	89,8	108,8	148	177,3	216,2	259,5	335	388	524
FULL LOAD CURRENT AT 400V	14,6	21,28	28,9	42	57,2	70,3	85,3	103,4	140,6	168,4	205,39	246,5	319	368	498
FULL LOAD CURRENT AT 415V	14,1	20,5	27,9	40,7	55,1	67,7	82,2	99,6	135,5	162,3	198	237,6	308	355	480
COOLING METHOD	Air cooled														
FAN MOTOR POWER	145	190	450	860	860*2	4800	5200	7500*2							
COOLER FAN DISPLACEMENT (M <sup>3</sup> /HR) PER FAN	3110	3900	7000	10800	10800*2	18720	21420	34980							
REQUIRED CIRCUIT BREAKER	CONSULT YOUR ELECTRICIAN, TAKE INTO ACCOUNT CABLE LOSSES THROUGH INSTALLATION AND LENGTH														
MINIMUM CABLE CROSS SECTION (MM <sup>2</sup> ) PER CORE	6	10	16	25	35	50	70	95	150						
DIMENSIONS (mm)	850	900	900	1350	1350	1500	1500	1900	1900	2100	2600	2600	2900	2600	3600
	630	750	750	895	895	1000	1000	1300	1300	1510	1510	1510	1880	170	2000
	970	1100	1100	1150	1150	1195	1195	1600	1600	1800	1800	1800	1945	1900	2100
NET WEIGHT	205	245	255	850	850	1900	2000	2200	2380	2480	2570	2900	4200	4500	4800
NOISE	60 ± 2	63 ± 2	65 ± 2	78	79	82									
OUTLET DIAMETER	G3/4"	G1 1/4	G1 1/2	G2	DN65	DN80									







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# G2DB SERIES

## Two-stage variable speed drive



### ULTIMATE ENERGY SAVINGS

The two-stage air compressor is designed to deliver unbeatable efficiency, surpassing its single-stage counterpart by producing up to 15% more air volume. When combined with optional IE3 or IE4 motors, these machines can achieve remarkable energy savings of up to 50% compared to standard single-stage models of the same size. The two-stage air-ends are exceptionally durable, offering a long service life and ultra-high efficiency. Specifically designed for heavy-duty applications, the two-stage models provide significant benefits in terms of power consumption, service life, air delivery, and overall cost of ownership, including parts and service costs. For unparalleled performance and savings, the DB series two-stage screw compressors are simply the best choice available.

MODEL	DB 302 SVSD	DB 402 SVSD	DB 502 SVSD	DB 602 SVSD	DB 752 SVSD	DB 1002 SVSD	DB 1252 SVSD	DB 1502 SVSD	DB 1752 SVSD	DB 2002 SVSD	DB 2502 SVSD	DB 3502 SVSD
MOTOR POWER	22	30	37	45	55	75	90	110	132	160	185	250
UNIT OF MEASURE	kW											
FAD/ DISCHARGE PRESSURE	0.7	0.8	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
UNIT OF MEASURE	MPa (m <sup>3</sup> /min)											
NOTE	Pressure requirements need to be specified on order											
FAD/ DISCHARGE PRESSURE	100	116	145	174	100	116	145	174	100	116	145	174
UNIT OF MEASURE	(PSI/CFM)											
POWER	100	132	160	185	250	300	375	450	550	660	750	1000
UNIT OF MEASURE	kW											
FAD/ DISCHARGE PRESSURE - FULL LOAD	0.7	0.8	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
UNIT OF MEASURE	MPa (m <sup>3</sup> /min)											
FAD/ DISCHARGE PRESSURE - 50% LOAD	0.7	0.8	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
UNIT OF MEASURE	(PSI/CFM)											
DRIVE TYPE	Direct											
START SYSTEM	VSD											
OIL TYPE	46# Shell Carona S3 Semi Synthetic											
OIL VOLUME	52	120	120	120	120	120	120	120	120	120	120	120
MOTOR ENERGY RATING (%)	94.8	95.1	95.4	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
MOTOR POWER FACTOR	1.2	1.25	1.25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
NOTE	Full load current is measured per motor for dual motor systems											
FULL LOAD CURRENT AT 380V	73.1	88.3	107.9	128.9	156.3	182	195.7	218.9	250.9	282.9	314.9	350.9
FULL LOAD CURRENT AT 400V	69.4	83.9	102.5	122.5	148.4	172.9	185.9	208.9	238.9	268.9	298.9	330.9
FULL LOAD CURRENT AT 415V	66.9	80.9	98.8	118	143.1	166.7	179.2	200.9	228.9	256.9	284.9	316.9
COOLING METHOD	Air cooled											
COOLER FAN POWER	4.8	5.2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2	7.5*2
COOLER FAN DISPLACEMENT (M <sup>3</sup> /HR) PER FAN	18720	21420	34980	34980	34980	34980	34980	34980	34980	34980	34980	34980
REQUIRED CIRCUIT BREAKER	Amp											
MINIMUM CABLE CROSS SECTION (MM <sup>2</sup> ) PER CORE	35	50	70	95	95	95	150	150	150	150	150	150
DIMENSIONS (mm)	1100	1150	1550	1730	1730	2100	2100	2600	2600	2900	2600	3600
NET WEIGHT	900	950	1150	1300	1300	1510	1510	1510	1880	170	2000	2000
NOISE	1400	1400	1420	1570	1570	1800	1800	1800	1945	1900	2100	2100
OUTLET DIAMETER	850	850	1900	2000	2200	2480	2480	2570	2900	4200	4500	4800
63±2	65±2	78	79	82	DN65	DN80						
G1 1/4"	G1 1/2"	G2"	DN65	DN80								







# G2DB FF SERIES

## Full Feature Tank Mounted



### PREMIUM INDUSTRIAL MODELS

The G2DB-FF Series screw compressors offer an all-in-one solution for compressed air needs. The dryer, tank, and screw components are efficiently assembled in a modular design, ensuring easy installation and maintenance of the machine. The dryers are equipped with compact and highly efficient aluminum plate heat exchange units. VSD (Variable Speed Drive) models are also available upon request.

### MODULAR DESIGN

The FF models of the G2DB Series are a cost-effective, all-in-one solution that provides a viable alternative to larger piston models. The dryer component is modular, allowing for easy removal and replacement with the standard model of Detroit DT Series dryers.

MODEL		DB 10 FF	DB 15 FF	DB 20 FF	DB 30 FF	DB-2016FF	AIR DRYER
MOTOR POWER	kW	7,5	11	15	22	15	0.28/0.38/0.38/0.75
UNIT OF MEASURE	MPa (m³/min)						
	0.7						
MAX FAD/ DISCHARGE PRESSURE	0.8						
	1.0	1.25	1.66	2.36	4.0	1.62 at 1.6 MPa	
	1.2						
NOTE		Available in VSD with soft start - Pressures higher than 1.0MPa need to be specified on order				VSD only	
UNIT OF MEASURE	(PSI/ CFM)						
MAX FAD/ DISCHARGE PRESSURE	100						
	116						
	145	44	59	83.6	141.3		
	174					46 at 232PSI	
NOTE		Available in VSD with soft start - Pressures higher than 145PSI need to be specified on order				VSD only	
COOLING METHOD		Air Cooled					
DRIVE TYPE		Direct					
START SYSTEM		Direct	Star Delta		VSD only	Direct	
DIMENSIONS (mm)	L	1740	1800	1800	2500	1903	650/780/750/640
	W	600	700	700	750	940	700/900/900/520
	H	1450	1750	1750	1900	1710	710/710/760/890
NET WEIGHT	Kg	390	440	450	500	521	32/32/39/49
NOISE	dB(A)	64 ± 2	64 ± 2	64 ± 2	66 ± 2	64 ± 2	
OUTLET DIAMETER		G3/4"	G3/4"	G3/4"	G13/4"	G13/4"	G13/4"
PRESSURE VESSEL		360	500	500	500	500	

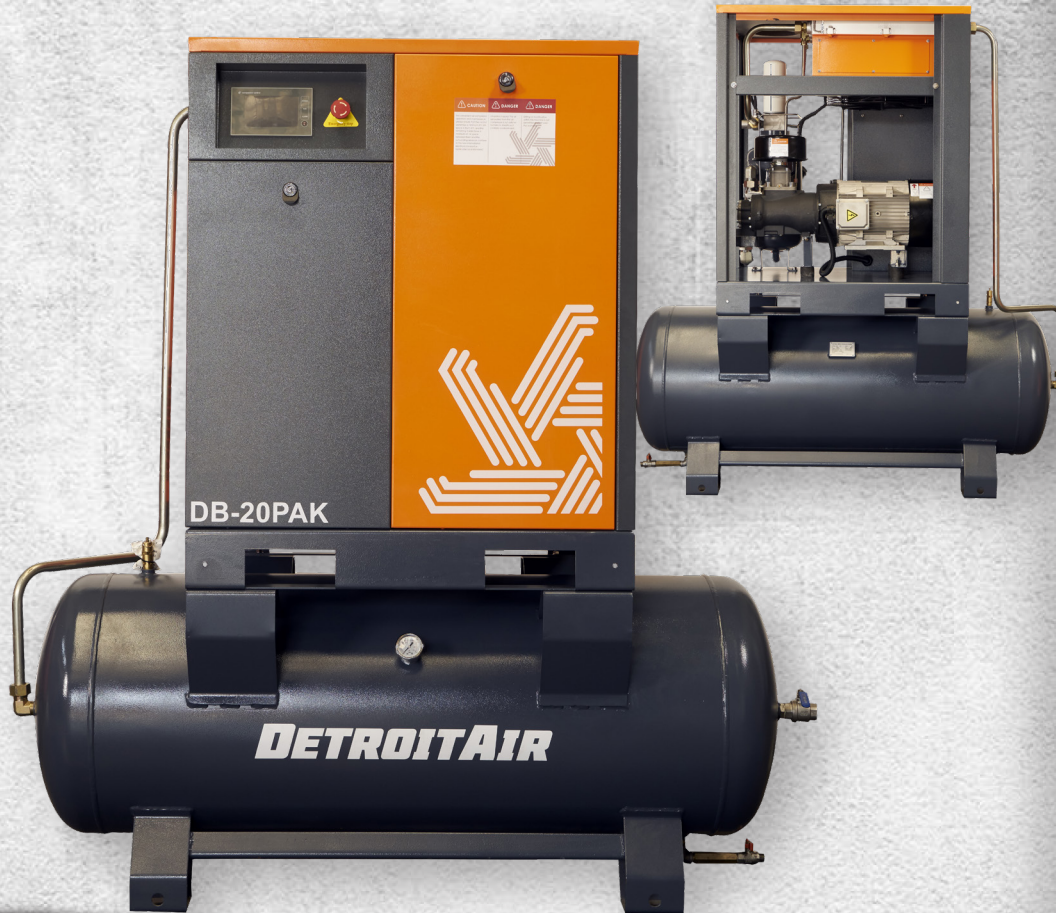






# G2DB PAK SERIES

## Tank Mounted



### PREMIUM INDUSTRIAL MODELS

The DB PAK Series of screw compressors is characterized by its small footprint and compact design. The pressure vessel size is intentionally limited, enabling installation in confined spaces. The PAK models provide an excellent alternative to larger piston machines, offering a cost-effective solution without compromising performance. These systems are designed to be modular, allowing them to be easily disassembled into their two main components: the screw and tank. The screw component can be interchanged with the same size VSD variant of a standalone unit without requiring any modifications. This modular design not only facilitates easier transport of the separate components but also provides flexibility in terms of maintenance and customization.

MODEL		DB 10 PAK	DB 15 PAK	DB 20 PAK	DB 30 PAK
MOTOR POWER	kW	7,5	11	15	22
UNIT OF MEASURE	MPa (m³/min)				
	0.7				
	0.8				
	1.0	1.25	1.66	2.36	4.0
MAX FAD/ DISCHARGE PRESSURE	1.2				
	NOTE	Available in VSD with soft start - Pressures higher than 1.0MPa need to be specified on order			
	UNIT OF MEASURE	(PSI/CFM)			
	100				
MAX FAD/ DISCHARGE PRESSURE	116				
	145	44	59	83.6	141.3
	174				
	NOTE	Pressures higher than 1.0MPa/145PSI need to be specified on order			
COOLING METHOD		Air Cooled			
DRIVE TYPE		Direct			
START SYSTEM		Direct	Star Delta		
DIMENSIONS (mm)	L	1740	1800	1800	2500
	W	600	700	700	750
	H	1450	1750	1750	1900
NET WEIGHT	Kg	390	580	610	650
NOISE	dB(A)	64 ± 2	64 ± 2	64 ± 2	66 ± 2
OUTLET DIAMETER		G3/4"	G3/4"	G3/4"	G13/4"
PRESSURE VESSEL		270	360	360	500







# BZ SERIES

## Naked Screw



### PREMIUM INDUSTRIAL MODELS

The BZ models provide a cost-effective solution for site work, hire fleets, and small to medium enterprises. Designed to meet compressed air requirements in harsh conditions, the BZ models offer a straightforward solution that is easy to maintain and simple to operate. All BZ models adhere to strict ASME VIII design codes, ensuring compliance and reliability. With direct drive IP55 motor structures, these models deliver a long service life and high efficiency.

### MODULAR DESIGN

The BZ models feature a fully modular design, enabling effortless disassembly and assembly for repair, maintenance, and daily checks. All essential components are clearly visible and directly accessible, ensuring ease of operation. With efficient air delivery and a remarkably low total cost of ownership, this system provides a simple and effective solution.

MODEL		BZ-20	BZ-30	BZ-40
MOTOR POWER	kW	15	22	30
UNIT OF MEASURE	MPa (m³/min)			
MAX FAD/ DISCHARGE PRESSURE	0.7	2.35	3.52	4.95
	0.8	2.25	3.36	4.72
	1.0	2.15	3.27	4.47
	1.2			
NOTE		Standard operating pressure set at 1.0Mpa		
UNIT OF MEASURE	(PSI/ CFM)			
MAX FAD/ DISCHARGE PRESSURE	100	82.99	124.31	174.8
	116	79.46	118.66	166.68
	145	75.93	115.48	157.85
	174			
NOTE		Standard operating pressure set at 145Psi		
COOLING METHOD		Air Cooled		
DRIVE TYPE		Direct		
START SYSTEM		Y-Δ		
DIMENSIONS (mm)	L	1800	1800	1800
	W	860	860	860
	H	1300	1300	1300
NET WEIGHT	Kg	348	406	514
NOISE	dB(A)	65±2	75±2	75±2
OUTLET DIAMETER		G1	G1	G1
PRESSURE VESSEL		113L+50L	113L+50L	113L+50L







# CZ SERIES

## Naked PM VSD Screw



### PREMIUM INDUSTRIAL MODELS

The CZ range of screw compressors is compact, efficient, and exceptionally simple, making it ideal for small to medium enterprises focused on energy savings. All CZ models are equipped with a permanent magnetic motor structure and variable frequency drive, ensuring optimal energy efficiency. Additionally, the encapsulated air-end structure of the CZ models allows for cost-effective and quick maintenance

### MODULAR DESIGN

The entire system is composed of four separate modules: the power train, cooling system, electrical cabinet, and air tank. This streamlined design minimizes the risk of oil leaks and enables quick visual inspections of all components. Filter and oil changes are specifically performed on the power train module, significantly reducing service time and costs. With their focus on simplicity and efficiency, CZ models offer an ideal solution for cost-conscious buyers.

MODEL		CZ-10VSD	CZ-15VSD	CZ-20VSD	CZ-30VSD
MOTOR POWER	kW	7.5		15	22
UNIT OF MEASURE	MPa (m³/min)				
MAX FAD/ DISCHARGE PRESSURE	0.7				
	0.8	1.1		2.3	3.5
	1.0	1		2.1	3.3
	1.2				
NOTE		Standard operating pressure 0.6 to 1.0 MPa			
UNIT OF MEASURE	(PSI/CFM)				
MAX FAD/ DISCHARGE PRESSURE	100	39		81	124
	116	35		74	117
	145				
	174				
NOTE		Standard operating pressure 87 to 145 PSI			
COOLING METHOD		Air cooled			
DRIVE TYPE		Direct			
START SYSTEM		Variable speed drive			
DIMENSIONS (mm)	L	1070		1585	16000
	W	550		700	750
	H	1200		1350	1500
NET WEIGHT	Kg	160		240	350
NOISE	dB(A)	68±2		68±2	72±2
OUTLET DIAMETER		R1/2		R3/4	R1
PRESSURE VESSEL		200L		300L	400L







# EZ SERIES

## PM VSD Screw



### SMALL BUSINESS SOLUTIONS

We understand that not every business requires a high-performing, highly equipped screw compressor. That's why we have developed our DC model range with a focus on removing all unnecessary features. The result is an excellent cost-effective and energy-efficient air compressor that is well-suited for various sectors of the industry. The variable frequency drive ensures reliable and silent operation while utilizing the minimum power required.

### JUST THE ESSENTIALS

The EZ Screw range incorporates all the essential elements necessary for efficient and long-lasting operation. With small cabinet dimensions, reduced pressure-vessel sizes, and simplified electronics, we have achieved lower production costs across the board. The EZ Screw range is designed to meet the needs of budget-conscious business owners, making it one of the most cost-effective and easy-to-own screw compressors available.

MODEL		EZ-3VSD	EZ-5VSD	EZ-7VSD	EZ-10VSD	EZ-15VSD	EZ-20VSD	EZ-30VSD
MOTOR POWER	kW	2.2 (220V)	4 (220V)	5.5	7.5	11	15	22
UNIT OF MEASURE	MPa (m³/min)							
MAX FAD/ DISCHARGE PRESSURE	0.7							
	0.8							
	1.0	0.15	0.4	0.6	0.8	1.3	2.0	3.3
	1.2							
NOTE		0.6 up to 1.0MPa standard operating pressure						
UNIT OF MEASURE	(PSI/ CFM)							
MAX FAD/ DISCHARGE PRESSURE	100							
	116							
	145	5.3	14.1	21.2	28.3	46	70.7	116.6
	174							
NOTE		104 up to 145PSI standard operating pressure						
COOLING METHOD		Air Cooled						
DRIVE TYPE		Direct						
START SYSTEM		Variable frequency drive						
DIMENSIONS (mm)	L	1070	1300	1585	1850			
	W	550	650	720	850			
	H	1200	1250	1500	1650			
NET WEIGHT	Kg	160	220	400	550			
NOISE	dB(A)	68±2				70±2		
OUTLET DIAMETER		R1/2				R3/4		R1
PRESSURE VESSEL		100L	160L	300L	400L			







# EZ SERIES

## Fixed Speed



### SMALL BUSINESS SOLUTIONS - JUST THE ESSENTIALS

We understand that not every business requires a high-performing, highly equipped screw compressor. That's why we have developed our EZ model range. The result is an excellent cost-effective and energy-efficient air compressor that is well-suited for various sectors of the industry. The EZ Screw range incorporates all the essential elements necessary for efficient and long-lasting operation. With small cabinet dimensions, reduced pressure-vessel sizes, and simplified electronics and a focus on removing all unnecessary features, we have achieved lower production costs across the board. The EZ Screw range is designed to meet the needs of budget-conscious business owners, making it one of the most cost-effective and easy-to-own screw compressors available.

MODEL		EZ-3PAK	EZ-5PAK	EZ-7PAK	EZ-10PAK	EZ-15PAK	EZ-20PAK	EZ-30PAK
MOTOR POWER	kW	2.2 (220V)	4 (220V)	5.5	7.5	11	15	22
UNIT OF MEASURE	MPa (m <sup>3</sup> /min)							
MAX FAD/ DISCHARGE PRESSURE	0.7							
	0.8							
	1.0	0.15	0.4	0.6	0.8	1.3	2.0	3.3
	1.2							
NOTE		0.6 up to 1.0MPa standard operating pressure						
UNIT OF MEASURE	(PSI/CFM)							
MAX FAD/ DISCHARGE PRESSURE	100							
	116							
	145	5.3	14.1	21.2	28.3	46	70.7	116.6
	174							
NOTE		104 up to 145PSI standard operating pressure						
COOLING METHOD		Air Cooled						
DRIVE TYPE		Direct						
START SYSTEM		Y-Δ						
DIMENSIONS (mm)	L	1070	1300	1585	1850			
	W	550	650	720	850			
	H	1200	1250	1500	1650			
NET WEIGHT	Kg	160	220	400	550			
NOISE	dB(A)	68±2			70±2			
OUTLET DIAMETER		R1/2			R3/4		R1	
PRESSURE VESSEL		100L	160L	300L	400L			







# EZ-PAK SERIES

## Variable Speed Tank Mounted



MODEL		EZ-3PAK	EZ-5PAK	EZ-7PAK	EZ-10PAK	EZ-15PAK	EZ-20PAK	EZ-30PAK
MOTOR POWER	kW	2.2 (220V)	4 (220V)	5.5	7.5	11	15	22
UNIT OF MEASURE	MPa (m³/min)							
MAX FAD/ DISCHARGE PRESSURE	0.7							
	0.8							
	1.0	0.15	0.4	0.6	0.8	1.3	2.0	3.3
	1.2							
NOTE		0.6 up to 1.0MPa standard operating pressure						
UNIT OF MEASURE	(PSI/ CFM)							
MAX FAD/ DISCHARGE PRESSURE	100							
	116							
	145	5.3	14.1	21.2	28.3	46	70.7	116.6
	174							
NOTE		104 up to 145PSI standard operating pressure						
COOLING METHOD		Air Cooled						
DRIVE TYPE		Direct						
START SYSTEM		Y-Δ						
DIMENSIONS (mm)	L	1070	1300	1585	1850			
	W	550	650	720	850			
	H	1200	1250	1500	1650			
NET WEIGHT	Kg	160	220	400	550			
NOISE	dB(A)	68±2				70±2		
OUTLET DIAMETER		R1/2				R3/4	R1	
PRESSURE VESSEL		100L	160L	300L	400L			







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## G2DC/G2SR SERIES ECO SCREW COMPRESSORS SPECIALIST ROTARY

**HERE OUR SPECIALIST ROTARY MODELS FOCUS ON THE ECONOMY SEGMENT OF THE MARKET**

An independently developed and focused brand distributed by Detroit Air aiming at the mid and entry level market segments, providing both premium and solutions based compressed air products.

### ECO LINE MODELS FROM 10HP UP TO 150HP

Clients that are solution focused and require reliable compressed air production with a focus on pricing.

## G2DC / G2SR ECONOMY

**SOME CLIENTS NEED A SOLUTION TO A PROBLEM, THE SR ECO SERIES WAS DESIGNED AS A "NOTHING UNNECESSARY" SCREW AIR COMPRESSOR. THIS RANGE EXTENDS FROM 10HP RIGHT UP TO 150HP.**



## KEY PRODUCT FEATURES

- **LOWER PRODUCTION COSTS:** The design, and thus manufacturing process have been greatly simplified, meaning lower production costs.
- **ADVANCED PLC:** Models from 75hp up utilise a more advanced touch-screen PLC system depending on the model being fixed or variable speed, single or 2 stage.
- **HIGH-PERFORMANCE AIR-END:** Models from 75HP up use the same air end structure as the G2DB Premium models.
- **PMM MOTOR STRUCTURE:** Variable Speed models come standard with Permanent Magnetic IP54 motor structure across the range.
- **CUSTOMER FOCUSED CABINET STRUCTURE:** The Eco Series screw compressors retain the benefits of a customer-focused cabinet structure, enabling quick and easy servicing.
- **SERVICE SPARES:** All parts and spares are affordably priced, providing cost-saving benefits for clients focused on finding optimal solutions.
- **BUILT TO LAST:** Built to last, the Eco Series models are designed for durability without compromising on performance. These models are capable of operating in the same harsh environments as their premium counterparts, providing years of stable service. The range includes both fixed and variable speed options, as well as single- and two-stage configurations, catering to diverse requirements. Additionally, tank-mounted package units up to 30HP are available, further expanding the versatility of the Eco Series. Whether it's the DC or SR Eco series or the G2DB Premium models, each is engineered to deliver long-lasting reliability.







# SR 220V SERIES

Tank mounted 220V variable speed



## ADVANCED ENGINEERING, EXCELLENT UTILITY

**Wider Range:** Wide range of models offers a small compact solution that competes with a similar sized piston compressor. Motor power range from 5hp up to 7.5hp and tank sizes from 100L up to 200L.

**Premium Duty:** The Premium Duty models offer exceptional pressure capabilities, suitable for operating within the range of 8 Bar to 10 Bar maximum pressures. With a focus on power, efficiency, and silence, these compressors deliver compressed air precisely when it is needed, eliminating wastage. Ideal for both home and small business use, the Premium Duty series provides an excellent alternative to piston compressors, combining reliability and performance.

**Feature Packed:** The Eco Series is feature-packed, with all models equipped with air-cooling and variable speed functionality. These compressors excel in low energy consumption, ensuring super silent operation. Advanced protection features and simple operation enhance user convenience. Cost-effective service parts, coupled with a long service life and robust construction featuring high-quality powder coating, demonstrate our commitment to excellent engineering. Rest assured, all models are backed by our solid warranty and comprehensive support policy.

TECHNICAL DATA	SR-5VSD	SR-6VSD	SR-7.5VSD
NAME	PARAMETERS	PARAMETERS	PARAMETERS
DISPLACEMENT	360LPM / 13CFM	500LPM / 18CFM	700LPM / 25CFM
EXHAUST PRESSURE	0.8 OR 1.0MPA MAX	0.8 OR 1.0MPA MAX	0.8 OR 1.0MPA MAX
MOTOR POWER	3.7KW	4.5KW	5.5KW
VOLTAGE/FREQUENCY	220/50HZ/1-PHASE	220/50HZ/1-PHASE	220/50HZ/1 PHASE
NOISE LEVEL AT 1M	68±3DB(A)	68±3DB(A)	70DB(A)
COOLING METHOD	AIR COOLED	AIR COOLED	AIR COOLED
AMOUNT OF LUBRICANT	2.5L	2.5L	4.5L
OIL CARRYING CAPACITY OF OUTLET GAS	≤3PPM	≤3PPM	≤3PPM
START MODE	SOFT START / VSD	SOFT START / VSD	SOFT START / VSD
OUTLET SIZE	G1/2"	G1/2"	G1/2"
VOLUME OF GAS STORAGE TANK	100L	100L	200L
WEIGHT	120KG	120KG	150KG
DIMENSIONS	1020*500*1035MM	1020*500*1035MM	1270*500*1140MM







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# G2SR ECO SERIES

## Standalone fixed speed



### SOLUTIONS FOCUSED ENGINEERING

Compressed air, the lifeblood of numerous businesses and industries, is not without its costs. Specialist Rotary understands the requirements of clients seeking a straightforward solution to their compressed air challenges. The ECO Series embodies simplicity in design and practical engineering, striking a remarkable balance between cost-effectiveness, efficiency, and quality. Each element of the Eco Series has been meticulously evaluated, ensuring that essential components maintain high-quality engineering standards, while non-essential parts and components have been engineered to provide greater cost-effectiveness.

MODEL		SR-10	SR-15	SR-20	SR-30	SR-40	SR-50	SR-60	SR-75	SR-100	SR-125	SR-150	SR-175
MOTOR POWER	kW	7,5	11	15	22	30	37	45	55	75	90	110	132
UNIT OF MEASURE	MPa (m³ min)												
FAD/ DISCHARGE PRESSURE	0.7 MPa	1,15	1,91	2,52	3,35	5,10	6,20	7,20	9,55	12,25	15,20	20,90	22,28
	0.8 MPa	1,06	1,71	2,27	3,30	5,00	6,05	7,10	9,10	11,90	14,50	19,40	21,40
	1.0 MPa	0,85	1,47	22,50	3,25	4,90	5,90	7,00	8,30	10,60	13,50	17,60	19,30
UNIT OF MEASURE	(PSI/CFM)												
FAD/ DISCHARGE PRESSURE	100	40,42	67,13	88,57	117,74	179,25	217,91	253,06	335,65	430,55	534,23	734,57	783,07
	116	37,26	60,10	79,78	115,98	175,73	212,64	249,54	319,83	418,25	509,63	681,85	752,14
	145	29,87	51,67	70,80	114,23	172,22	207,37	246,03	291,72	372,55	474,48	618,58	678,33
DRIVE TYPE		Direct											
START SYSTEM		Direct on Line      Star-Delta											
OIL TYPE		46# Mineral Oil											
OIL VOLUME	LTRS	6,5	10	10	18	18	22	22	44	44	44	83	83
MOTOR ENERGY RATING (%)		90,1	91,2	91,9	92,7	93,3	93,7	94	94,3	94,7	95	95,2	95,4
MOTOR POWER FACTOR		0,87	0,88	0,89	0,9	0,9	0,9	0,9	0,91	0,91	0,91	0,91	0,92
FULL LOAD CURRENT AT 380V		16,7	23,9	32,0	46,1	62,4	76,7	92,9	112,1	152,2	180,9	219,9	262,8
FULL LOAD CURRENT AT 400V		15,9	22,8	30,4	43,8	59,3	72,8	88,3	106,5	144,6	171,9	208,9	249,6
FULL LOAD CURRENT AT 415V		15,3	21,9	29,3	42,2	57,2	70,2	85,1	102,7	139,4	165,7	201,4	240,6
COOLING METHOD		Air Cooled											
COOLER FAN POWER	kW	0,56	0,65	0,86	0,86*2	0,86*2	0,86*2	1,1*2	1,1*2	4,5*2	4,5*2	4,5*2	4,2*2
COOLER FAN DISPLACEMENT (m³/min) PER FAN		1800	2600	3600	5000	6500	8000	11000	12000	16000	18000	22000	27000
REQUIRED CIRCUIT BREAKER	Amp	Consult your electrician, take into account cable losses through installation and length											
MINIMUM CABLE CROSS SECTION (mm²) PER CORE		6	10	10	16	25	25	35	35	50	50	70	95
DIMENSIONS (mm)	L	900	1080	1080	1380	1380	1500	1500	1700	1700	1700	2300	2300
	W	640	750	750	850	850	960	960	1240	1240	1240	1510	1510
	H	850	1020	1020	1190	1190	1345	1345	1600	1600	1600	1840	1840
NET WEIGHT	Kg	205	245	255	405	495	595	620	950	1000	1480	2570	2900
NOISE	dB(A)	60 ± 2		63 ± 2		65 ± 2		68 ± 2		70 ± 2			
OUTLET DIAMETER		G3/4"		G1 1/4		G1 1/2		G2		DN65			







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# G2SR ECO SERIES

Standalone variable speed



## ENGINEERED COSTS SAVINGS

A significant portion of ownership costs in compressed air systems are attributed to energy and service expenses. The ECO Series screw compressors have effectively tackled this challenge by offering highly competitive spare and service parts. The cabinet design has been carefully engineered to provide easy access and quick serviceability, thereby reducing labor costs and saving valuable time. Energy costs can be further minimized by opting for the Variable Speed Drive models and selecting between IE2 or IE3 rated IP54 PM motor structures. Moreover, the ECO Series offers customization options with various combinations of air-ends and motors, allowing clients to tailor the solution to their specific needs and budget

MODEL		SR-10 VSD	SR-15 VSD	SR-20 VSD	SR-30 VSD	SR-40 VSD	SR-50 VSD	SR-60 VSD	SR-75 VSD	SR-100 VSD	SR-125 VSD	SR-150 VSD	SR-175 VSD	
MOTOR POWER	kW	7,5	11	15	22	30	37	45	55	75	90	110	132	
UNIT OF MEASURE	MPa (m³ min)													
FAD/ DISCHARGE PRESSURE	0.7 MPa	1,15	1,91	2,52	3,35	5,1	6,2	7,2	9,55	12,25	15,2	20,9	22,28	
	0.8 MPa	1,1	1,71	2,3	3,3	5,0	6,1	7,1	9,1	11,9	14,5	19,4	21,4	
	1.0 MPa	0,85	1,47	22,5	3,25	4,9	5,9	7	8,3	10,6	13,5	17,6	19,3	
UNIT OF MEASURE	(PSI/CFM)													
FAD/ DISCHARGE PRESSURE	100	40,42	67,13	88,57	117,74	179,25	217,91	253,06	335,65	430,55	534,23	734,57	783,07	
	116	37,26	60,10	79,78	115,98	175,73	212,64	249,54	319,83	418,25	509,63	681,85	752,14	
	145	29,87	51,67	70,80	114,23	172,22	207,37	246,03	291,72	372,55	474,48	618,58	678,33	
DRIVE TYPE		Direct												
START SYSTEM		Direct on Line						Star-Delta						
OIL TYPE		46# Mineral Oil												
OIL VOLUME	LTRS	6,5	10	10	18	18	22	22	44	44	44	83	83	
MOTOR ENERGY RATING (%)		90,1	91,2	91,9	92,7	93,3	93,7	94,0	94,3	94,7	95,0	95,2	95,4	
MOTOR POWER FACTOR		0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9	
FULL LOAD CURRENT AT 380V		16,7	23,9	32,0	46,1	62,4	76,7	92,9	112,1	152,2	180,9	219,9	262,8	
FULL LOAD CURRENT AT 400V		15,9	22,8	30,4	43,8	59,3	72,8	88,3	106,5	144,6	171,9	208,9	249,6	
FULL LOAD CURRENT AT 415V		15,3	21,9	29,3	42,2	57,2	70,2	85,1	102,7	139,4	165,7	201,4	240,6	
COOLING METHOD		Air Cooled												
COOLER FAN POWER	kW	0,56	0,65	0,86	0.86*2	0.86*2	0.86*2	1.1*2	1.1*2	4.5*2	4.5*2	4.5*2	4.2*2	
COOLER FAN DISPLACEMENT (m³/min) PER FAN		1800	2600	3600	5000	6500	8000	11000	12000	16000	18000	22000	27000	
REQUIRED CIRCUIT BREAKER	Amp	Consult your electrician, take into account cable losses through installation and length												
MINIMUM CABLE CROSS SECTION (mm²) PER CORE		6	10	10	16	25	25	35	35	50	50	70	95	
DIMENSIONS (mm)	L	900	1080	1080	1380	1380	1500	1500	1700	1700	1700	2300	2300	
	W	640	750	750	850	850	960	960	1240	1240	1240	1510	1510	
	H	850	1020	1020	1190	1190	1345	1345	1600	1600	1600	1840	1840	
NET WEIGHT	Kg	215	265	275	435	525	625	645	950	1000	1480	1570	1900	
NOISE	dB(A)	60 ± 2			63±2			65±2			68±2			70±2
OUTLET DIAMETER		G3/4"			G1 1/4"	G1 1/2"			G2"			DN65		







# G2SR FF SERIES

## Full feature integrated



### SOLUTIONS FOCUSED ENGINEERING

The second-generation G2SR full-feature integrated units are a prominent component of the MEDAIR range offered by Specialist Rotary. These units combine a fully integrated screw/dryer, tank, and filtration system, featuring an adaptable belt drive system capable of operating at output pressures ranging from 0.7MPa to 1.2MPa while maintaining a super-silent performance. Every aspect of the design and specification has been meticulously crafted to minimize noise and vibration. The integrated cabinet structures of the G2SR-FF models enable a reduction in materials, production times, and associated costs. Additionally, the SR and DC ranges share common service and maintenance requirements, providing flexibility and convenience. This unified approach to servicing streamlines the availability of parts and facilitates efficient maintenance processes.

MODEL		G2SR 10 FF	G2SR 15 FF	G2SR 20 FF	G2SR 30 FF	AIR DRYER
MOTOR POWER	kW	7,5	11	15	22	0.28/0.38/0.38/0.75
UNIT OF MEASURE	MPa (m³/min)					
MAX FAD/ DISCHARGE PRESSURE	0.7	1	1.6	2.1	3.36	
	0.8	0.95	1.52	2	3.2	
	1.0	0.86	1.38	1.82	2.92	
	1.2	0.8	1.99	1.63	2.56	
NOTE		Available in VSD with soft start - Pressures higher than 1.0MPa need to be specified on order				
UNIT OF MEASURE	(PSI/ CFM)					
MAX FAD/ DISCHARGE PRESSURE	100	36	57	74	119	
	116	34	54	71	113	
	145	31	49	65	104	
	174	29	42	58	91	
NOTE		Available in VSD with soft start - Pressures higher than 145PSI need to be specified on order				
COOLING METHOD		Air Cooled				
DRIVE TYPE		Direct				
START SYSTEM		Direct	Star Delta		Direct	
DIMENSIONS (mm)	L	1740	1800	1800	2500	650/780/750/640
	W	600	700	700	750	700/900/900/520
	H	1450	1750	1750	1900	710/710/760/890
NET WEIGHT	Kg	390	440	450	500	32/32/39/49
NOISE	dB(A)	64 ± 2	64 ± 2	64 ± 2	66 ± 2	
OUTLET DIAMETER		G3/4"	G3/4"	G3/4"	G13/4"	G13/4"
PRESSURE VESSEL		360	500	500	500	





# G2DC ECO SERIES

## Standalone fixed speed



MODEL		DC-10	DC-15	DC-20	DC-30	DC-40	DC-50	DC-60	DC-75	DC-100	DC-125	DC-150	DC-175	DC-200	DC-250	DC-350
MOTOR POWER	kW	7,5	11	15	22	30	37	45	55	75	90	110	132	160	200	250
UNIT OF MEASURE	MPA (m³/min)															
FAD/Discharge Pressure	0.7 Mpa															
	0.8 Mpa	1,15	1,71	2,42	3,94	5,38	6,76	7,1	9,2	12,3	15,4	20	23,2	27,9	30,4	45,5
	1.0 Mpa	1,09	1,62	2,30	3,84	4,75	5,75	6,75	8,74	11,69	14,63	19,00	22,04	26,51	28,88	43,23
UNIT OF MEASURE	(PSI/CFM)															
FAD/Discharge Pressure	100															
	116	38,6	60,4	80,2	139,4	190,1	239,9	250,7	324,9	434,4	543,8	706,3	819,3	985,3	1073,6	1606,8
	145	31,4	57,4	76,2	118,3	167,7	203,0	238,2	308,7	412,7	516,7	671,0	778,3	936,0	1019,9	1526,5
DRIVE TYPE		DIRECT DRIVE														
START SYSTEM		Direct Line				Y-										
OIL TYPE		CLASS 3 #46														
OIL VOLUME	LTRS	10	18	18	18	18	30	30	65	65	72	90	90	110	120	150
MOTOR ENERGY RATING (%)		91	91	92	93	93,3	93,7	94	94,3	94,7	95	95,2	95,4	95,6	96	95,8
MOTOR SERVICE FACTOR		1,15	1,15	1,15	1,15	1,15	1,15	1,15	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
FULL LOAD CURRENT AT 380V		16,5	24	32	47	64	78,5	95	118	160	192	234	280	335	415	513
FULL LOAD CURRENT AT 400V		15,6	23	30	44,7	61	75	90	112	152	185	222	266	318	394	487
FULL LOAD CURRENT AT 415V		15	22	29,3	43	58,6	72	87	108	146	175	214	256	307	380	470
COOLING METHOD		AIR COOLED														
COOLER FAN POWER	kW	0,15	0,26		0,38		0,75		1,5		2,2	0,75*2		2,2*2	3,5*2	3,5*2
COOLER FAN DISPLACEMENT (m³/min) PER FAN		3110	3900		7000		10800		11200		16500	11200*2		15000*2	20000*2	20000*2
REQUIRED CIRCUIT BREAKER	Amp	25	18	25	32	38	50	65	80	100	120	160	200	250	300	400
MINIMUM CABLE CROSS SECTION (MM²)		4	6	10	16	16	25	25	35	50	70	70	95	120	150	185
DIMENSIONS (MM)	L	800	1080		1280		1400		1680	1840		2400			3150	
	W	670	750		850		1000		1230	1230		1470			1980	
	H	880	1000		1160		1290		1570	1570		1840			2150	
NET WEIGHT	KG	220	400		550	600	800		1660	1800	1900	2500	2700	3000	3500	4500
NOISE (+-2db)	dB(A)	66	68					70	72				75	85	90	100
OUTLET DIAMETER	inch/mm	G1/2	G3/4"		G1"		G1.5"		G2"			G2.5"			DN80	







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# G2DC VSD SERIES

## Standalone variable speed



MODEL		DC-10 VSD	DC-15 VSD	DC-20 VSD	DC-30 VSD	DC-40 VSD	DC-50 VSDV	DC-60 SD	DC-75 VSDV	DC-100 SD	DC-125 VSDV	DC-150 SD	DC-175 VSDV	DC-200 SD	DC-250 VSDV	DC-350 SD
MOTOR POWERk	W	7,51	11	52	23	03	74	55	57	59	0	110	132	160	185	250
UNIT OF MEASURE	MPa (m³/min)															
FAD/Discharge Pressure	0.7 Mpa															
	0.8 Mpa															
	1.0 Mpa	1,44	1,62	2,27	3,18	4,1	5,10	7,1	8,74	11,69	14,63	19,00	22,04	26,51	28,88	43,23
UNIT OF MEASURE	PSI/CFM															
FAD/Discharge Pressure	100															
	116															
	145	41	63,1	80,2	112,4	145,1	180,2	253	339,5	453,9	568,3	738,1	856,2	1029,6	1121,9	1679,1
DRIVE TYPE		DIRECT DRIVE														
START SYSTEM		FREQUENCY CONVERSION														
OIL TYPE		CLASS 3 #46														
OIL VOLUME	LTRS	10	18	18	18	18	30	30	65	65	72	90	90	110	120	150
MOTOR ENERGY RATING (%)		92	93	93,5	94,5	94,5	94,7	96,4	96,5	96,6	96,7	96,7	96,99	79	7	97,5
MOTOR SERVICE FACTOR		1,21	,2	1,21	,2	1,21	,2	1,21	,2	1,21	,2	1,21	,2	1,21	,2	1,2
FULL LOAD CURRENT AT 380V		15,5	22,23	14	46	07	79	3	113	153	185	225	270	319	382	524
FULL LOAD CURRENT AT 400V		14,72	1	29,4	41,85	77	38	8	107	145	175	213	256	303	363	498
FULL LOAD CURRENT AT 415V		14,1	20,3	28,34	05	5	70,58	5	103,4	140	169	206	247	292	349,5	479
COOLING METHOD		AIR COOLED														
COOLER FAN POWER	kW	0,15	0,26		0,38		0,75		1,52		,2	0,75*2	2,2*2	3,5*2	3,5*2	
COOLER FAN DISPLACEMENT(m³/min) PER FAN		3110	3900		7000		10800		11200		16500	11200*2	15000*2	20000*2	20000*2	
REQUIRED CIRCUIT BREAKER	Amp	25	18	25	32	38	50	65	80	100	120	160	200	250	300	400
MINIMUM CABLE CROSS SECTION (MM²)		46	10	16	16	25	25	35	50	70	70	95	120	150	185	
DIMENSIONS (MM)	L	800	1080		1280		1400		1680		1840		2400		3150	
	W	670	750		850		1000		1230		1230		1470		1980	
	H	880	1000		1160		1290		1570		1570		1840		2150	
NET WEIGHT K	G	220	400	550	600		800		1660	1800	1900	2500	2700	3000	3500	4500
NOISE (+-2db)	dB(A)	66			68		70		72		75	85	90	100		
OUTLET DIAMETER	inch/mm	G1/2	G3/4"		G1"		G1.5"		G2"		G2.5"					DN80







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# G2DC VSD + SERIES 16 BAR

Full feature and Standalone variable speed



MODEL		DC-2016 FF	DC-3016 FF	DC-4016	DC-5016
MOTOR POWER <sub>k</sub>	W	15	22	30	37
PRESSURE VESSEL	(m <sup>3</sup> )	0,34	0,41		
AIR DRYER + FILTERS	( FULL FEATURE UNITS )	INCLUDED			
UNIT OF MEASURE (	PSI/CFM)				
FAD/Discharge Pressure	1.6 Mpa	1,2	1,8	2,46	3,92
UNIT OF MEASURE M	PA (m <sup>3</sup> /min)				
FAD/Discharge Pressure	232	42,4	63,6	87,2	138,3
DRIVE TYPE		DIRECT DRIVE			
START SYSTEM		FREQUENCY CONVERSION			
OIL TYPE		CLASS 3 #46			
OIL VOLUME	LTRS	18	18	30	30
MOTOR ENERGY RATING (%)		92	93	93,5	94,5
MOTOR SERVICE FACTOR		1,2	1,2	1,2	1,2
FULL LOAD CURRENT AT 380V		15,5	22,2	31	44
FULL LOAD CURRENT AT 400V		14,7	21	29,4	41,8
FULL LOAD CURRENT AT 415V		14,1	20,3	28,3	40
COOLING METHOD					
COOLER FAN POWER	kW	0,32	0,5	0,86	0,86
COOLER FAN DISPLACEMENT (m <sup>3</sup> /min) PER FAN		4800	7000	11000	11000
REQUIRED CIRCUIT BREAKER	Amp	25	32	38	50
MINIMUM CABLE CROSS SECTION (MM <sup>2</sup> )		10	16	16	25
DIMENSION S (MM)	L	1805	1850	1500	1500
	W	750	850	1000	1000
	H	1340	1730	1290	1290
NET WEIGHT K	G	520	750	700	700
NOISE (+2db)	dB(A)	70	70	68	68
OUTLET DIAMETER	inch/mm	R3/4"	R1"	R1 1/2"	R1 1/2"







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# G2DC FF SERIES

Full Feature Tank Mounted

## PREMIUM INDUSTRIAL MODELS

The G2DC-FF Series screw compressors offer an all-in-one solution for compressed air needs. The dryer, tank, and screw components are efficiently assembled in a modular design, ensuring easy installation and maintenance of the machine. The dryers are equipped with compact and highly efficient copper heat exchange units. VSD (Variable Speed Drive) models are also available upon request.

## MODULAR DESIGN

The FF models of the G2DC Series are a cost-effective, all-in-one solution that provides a viable alternative to larger piston models. The dryer component is modular, allowing for easy removal and replacement with the standard model of Detroit DC Series dryers.

MODEL		DC-10 FF	DC-15 FF	DC-20 FF	DC-30 FF	AIR DRYER
MOTOR POWER	kW	7,5	11	15	22	0.28/0.38/0.38/0.75
UNIT OF MEASURE	MPa (m³/min)					
MAX FAD/ DISCHARGE PRESSURE	0.7					
	0.8					
	1.0	1.05		2.42	3.84	
	1.2					
NOTE		Available in VSD with soft start - Pressures higher than 1.0MPa need to be specified on order				
UNIT OF MEASURE	(PSI/ CFM)					
MAX FAD/ DISCHARGE PRESSURE	100					
	116					
	145	38.6		80.8	135.8	
	174					
NOTE		Available in VSD with soft start - Pressures higher than 145PSI need to be specified on order				
COOLING METHOD		Air Cooled				
DRIVE TYPE		Direct				
START SYSTEM		Direct	Star Delta			Direct
DIMENSIONS (mm)	L	1660	1820	1960		
	W	640	750	850		
	H	1460	1650	1850		
NET WEIGHT	Kg	390	450	500		
NOISE	dB(A)	64 ± 2	64 ± 2	66 ± 2		
OUTLET DIAMETER		G1"	G1"	G1 1/2"		
PRESSURE VESSEL		250	340	410		



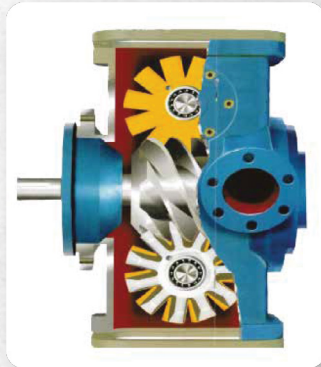




# OIL-FREE SCREW COMPRESSORS

## GENERAL FEATURES

- Efficient cooling system with low noise fans
- Fully regulated Intake Valve allows for full flow adjustment range for energy savings and stability
- Advanced inverter system for superior energy savings and management
- IE3 or IE4 IP54 rated Permanent Magnet Motor for enhanced energy efficiency
- Robust after-cooler suitable for harsh environments and high ambient temperatures
- Triple stage air filtration system to keep intake air clean
- Air-end with high-volumetric efficiency designed for long bearing life
- Water-Air separator allows for cool operation in hot environments
- Unique air-end internal design reduces bearing load to almost nothing, extending service life



## FEATURES AND BENEFITS

FEATURE	BENEFIT
Dual star-wheel arrangement	Ideal force balance of bearing load. Extended service life
Oil-free system	Water is used to lubricate, cool, seal and reduce noise. Totally environmentally friendly if discharged
Balanced air-end structure	Vibration and harmonic noise is very low
Inverter motor control system	Variable speed allows for production of only air that is needed at any one time, saving energy costs
Intelligent cabinet design	Quick removal of panels allows direct access to service parts. Easy access to all parts of the system
Intelligent PLC	Advanced PLC control allows monitoring and control over mobile APP or a web portal

### FLOAT SWITCH

The standard fitted auto-water-level-switch automatically controls the supply of water to the cooling and lubricating systems of the compressor, ensuring system temperature stability.



### AIR-END

The single-screw air-end is manufactured using Japanese processing equipment. The rotor is made from stainless steel and forms part of a symmetrical assembly incorporating two polymer star-wheels. The design results in cancellation of radial and axial forces on the bearings and significantly extends bearing life.



### DIRECT DRIVE MOTOR STRUCTURE

Specifically adapted for use in oil-free screw compressors, the IP54 Permanent Magnet Motor is directly coupled to maximise power transmission and energy savings. A higher service factor and availability of IE3 or IE4 rated models further enhance reliability and efficiency.



### JAPANESE FLOW CONTROL

High-quality Japanese solenoid valves are used throughout the system to ensure excellent flow-control of liquids and ensure long-term trouble-free operation. Downtime is avoided through leak prevention; quality of these components is guaranteed.



### ENERGY SAVINGS

Designed in co-operation with Delta, the custom inverter has been specifically engineered to tolerate higher temperatures and harsher environments. Special attention has been given to the engineering of the power inlet circuit enhancing stability in scenarios of power instability. Specifically designed for the matching PM Motor, the inverter perfectly manages the motor and ensures best power savings across the RPM range. Benefiting from the Delta partnership, worldwide support is available on these inverters.





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# OIL-FREE SCREW COMPRESSORS



MODEL		DT-10WF	DT-15WF	DT-20-WF	DT-30WF	DT-40WF	DT-50WF	DT-60WF	DT-75WF	DT-100WF	DT-125WF	DT-150WF	DT-175WF	DT-220WF	DT-250WF	DT-350WF
MOTOR POWER	kW	7,5	11	15	22	30	37	45	55	75	90	110	132	160	185	250
UNIT OF MEASURE	MPa/(M <sup>3</sup> /MIN)	Air-end air delivery measured according to ISO 1217 suction conditions; based on 0,8MPa pressure; applicable pressure 0,8MPa														
NOTE		Pressures higher than 1.0MPa/145PSI need to be specified on order														
MAX FAD/ DISCHARGE PRESSURE	0.7MPa	1.3	1.6	2,5	3,7	5,3	6,2	7,5	10	13	15	20	23,5	26	32,5	42
	0.8MPa	1.2	1,5	2,3	3,5	5,0	5,9	7,0	9,5	12,5	13,5	18,5	23,0	24	31	40
	1.0MPa		1,4	2	3	4,3	5	6	7,9	10	12,8	16,5	20	23	28	38
	1.2MPa															
UNIT OF MEASURE	(PSI/CFM)															
MAX FAD/ DISCHARGE PRESSURE	100	46,4	571,4	89,3	132,1	189,3	221,4	267,9	357,1	464,3	535,7	714,3	839,3	928,6	1160,7	1500,0
	116	46,4	53,6	82,1	125,0	178,6	210,7	250,0	339,3	446,4	482,1	660,7	821,4	857,1	1107,1	1428,6
	145		50,0	71,4	107,1	153,6	178,6	214,3	282,1	357,1	457,1	589,3	714,3	821,4	1000,0	1357,1
	174															
UNIT OF MEASURE	MPa/(M <sup>3</sup> /MIN)															
FAD/ DISCHARGE PRESSURE - FULL LOAD	0.7	1,3	16,0	2,5	3,7	5,3	6,2	7,5	10,0	13,0	15,0	20,0	23,5	26,0	32,5	42,0
	0.8	1,3	1,5	2,3	3,5	5,0	5,9	7,0	9,5	12,5	13,5	18,5	23,0	24,0	31,0	40,0
	1.0		1,4	2,0	3,0	4,3	5,0	6,0	7,9	10,0	12,8	16,5	20,0	23,0	28,0	38,0
	1.2															
UNIT OF MEASURE	(PSI/CFM)															
FAD/ DISCHARGE PRESSURE - FULL LOAD	100	46,4	571,4	89,3	132,1	189,3	221,4	267,9	357,1	464,3	535,7	714,3	839,3	928,6	1160,7	1500,0
	116	46,4	53,6	82,1	125,0	178,6	210,7	250,0	339,3	446,4	482,1	660,7	821,4	857,1	1107,1	1428,6
	145		50,0	71,4	107,1	153,6	178,6	214,3	282,1	357,1	457,1	589,3	714,3	821,4	1000,0	1357,1
	174															
DRIVE TYPE		Direct														
START SYSTEM		VSD														
COOLING METHOD		Water cooled or air cooled														
WATER VOLUME	LTRS															
MOTOR ENERGY RATING	%	92,1	93	93,4	94,4	94,5	94,8	95,1	95,4	95,6	95,8	96	96	96	96	96
MOTOR POWER FACTOR		1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,25	1,25	1,2	1,2	1,2	1,2
FULL LOAD CURRENT AT 380V		15,4	22,4	30,5	44,2	60,2	74	89,8	108,8	148	177,3	216,2	259,5	335	388	524
FULL LOAD CURRENT AT 400V		14,6	21,28	28,9	42	57,2	70,3	85,3	103,4	140,6	168,4	205,39	246,5	319	368	498
FULL LOAD CURRENT AT 415V		14,1	20,5	27,9	40,7	55,1	67,7	82,2	99,6	135,5	162,3	198	237,6	308	355	480
COOLING METHOD																
FAN MOTOR POWER	WATT	121	216	290	450	500	735	780	975	1325	1605	2140	2140	3000	3000	4375
COOLER FAN DISPLACEMENT	(M <sup>3</sup> /MIN) PER FAN	35	42	55	70	85	105	120	140	180	210	250	250	320	320	465
REQUIRED CIRCUIT BREAKER	AMP	Consult your electrician; take into account cable losses through installation and length														
MINIMUM CABLE CROSS SECTION	MM <sup>2</sup> PER CORE	6	10	10	10	16	16	25	25	35	50	70	95	95	95	150
DIMENSIONS (MM)	L	1100	1100	1520	1520	1760	1760	1900	1900	1900	2000	2100	2100	2300	2300	3200
	W	845	845	1100	1100	1250	1250	1250	1250	1250	1250	1850	1850	1900	1900	2100
	H	1260	1260	1400	1400	1600	1600	1360	1360	1360	1360	1700	1700	1900	1900	2000
NET WEIGHT	Kg	520	580	620	830	980	1100	1250	1450	1600	2000	2500	2650	2800	3000	4800
NOISE	dB (A)	60 ± 2	60 ± 2	63 ± 2	63 ± 2	70 ± 2	70 ± 2	72 ± 2	72 ± 2	75	75	78	78	80	82	85
OUTLET DIAMETER		G3/4	G3/4	G3/4	G1	G1 1/2	G1 1/2	G1 1/2	G2	G2	G2	DN65	DN65	DN80	DN80	DN100







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