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COMPRESSOR SERVICES

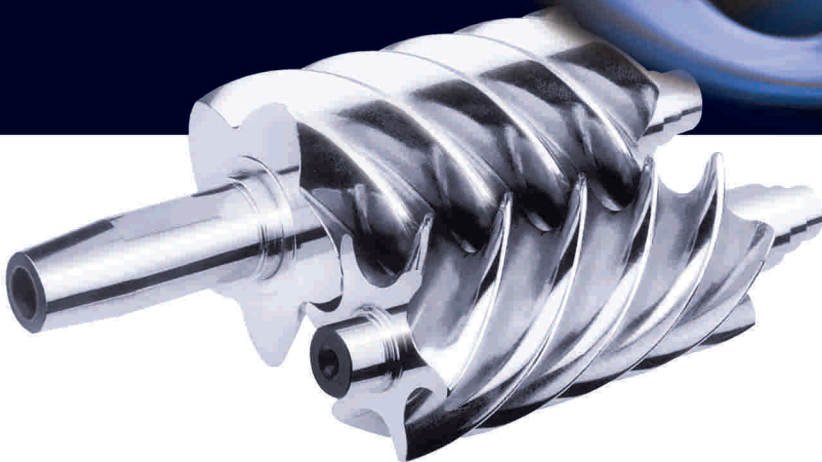
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## Introduction

Sudo Air Compressor Services C.C., "Sudo Air", agents for Bumatec Co. Ltd, a Korean compressor company established in 1992, are proud to be associated with a world class product which is high in quality, technologically advanced and highly competitive in price. An on-going research and development process ensures that Sudo Air remains customer orientated in striving to deliver a product that is reliable, efficient, durable and cost effective.

Sudo Air's commitment to providing complete air solutions includes the supply of air compressors, driers, filters, lubricants, bearings, seals and all other ancillaries associated with the supply and maintenance of compressed air equipment. Our highly trained technical team undertakes full installations, upgrades or enhancements of units and we supply and manage effective preventative and on-going maintenance plans. Our workshops are open 24 hours a day, to ensure our customers receive the professional service they deserve. We specialize in multiple types of air compressor, and are skilled in selecting the proper equipment design and layout for your operation.



# Rotary Screw Development

In order to design an efficient energy -saving rotary screw compressor, one is faced with two options. To design a larger rotor, operating at a slower speed or design a smaller rotor operating at a higher rpm. Logic dictates the former option which co-incidentally results in greater efficiency, durability and reliability. This is precisely the option adopted by the designers of our air-end.

## Direct Drive Coupling Type

Model	Motorpower Kw	Hp	Flow m <sup>3</sup> /min	Pressure (bar)	Lube oil (L)	Outlet diam.	L x W x H (mm)	Weight (Kg)
BFD22	22	30	3.5	7	21	DN25	1300x850x1220	550
			3.3	8				
			3.0	10				
BFD30	30	40	2.6	13	21	DN25	1350x860x1150	660
			5.2	7				
			5.0	8				
BFD37	37	50	4.5	10	29	DN32	1550x950x1380	800
			3.8	13				
			6.5	7				
BFD45	45	60	6.2	8	29	DN40	1550x950x1380	960
			5.7	10				
			4.8	13				
BFD55	55	75	8.0	7	55	DN50	2100x1200x1620	1400
			7.5	8				
			6.9	10				
BFD75	75	100	6.0	13	70	DN50	2200x1250x1650	1900
			10.3	7				
			9.6	8				
BFD90	90	125	8.7	10	85	DN65	2500x1500x1950	2500
			7.5	13				
			13.5	7				
BFD110	110	150	12.5	8	97	DN80	2800x1700x1950	3200
			11.2	10				
			10.0	13				
BFD132	132	180	16.3	7	150	DN100	3360x2000x2000	4500
			15.9	8				
			14.0	10				
BFD160	160	220	12.2	13	220	DN125	4200x2250x2150	5700
			21.0	7				
			20.0	8				
BFD185	185	250	17.0	10	150	DN100	3360x2000x2000	4900
			14.8	13				
			23.5	7				
BFD200	200	280	22.5	8	220	DN125	4200x2250x2150	6200
			21.0	10				
			18.0	13				
BFD220	220	300	28.0	7	220	DN125	4200x2250x2150	6200
			26.5	8				
			24.5	10				
BFD250	250	340	20.3	13	220	DN125	4200x2250x2150	6200
			32.0	7				
			30.0	8				
BFD315	315	400	27.8	10	220	DN125	4200x2250x2150	6200
			24.5	13				
			34.3	7				
BFD355	355	480	32.9	8	220	DN125	4200x2250x2150	6200
			30.2	10				
			27.2	13				
BFD355	355	480	36.0	7	220	DN125	4200x2250x2150	6200
			34.2	8				
			30.2	10				
BFD355	355	480	27.8	13	220	DN125	4200x2250x2150	6200
			43.5	7				
			41.8	8				
BFD355	355	480	38.0	10	220	DN125	4200x2250x2150	6200
			34.5	13				
			57.6	7				
BFD355	355	480	54.5	8	220	DN125	4200x2250x2150	6200
			50.0	10				
			43.4	13				
BFD355	355	480	64.5	7	220	DN125	4200x2250x2150	6200
			62.2	8				
			56.0	10				
BFD355	355	480	48.6	13	220	DN125	4200x2250x2150	6200

# Components

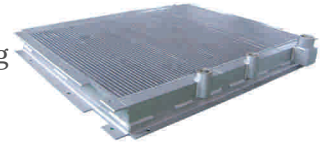


Energy efficient valve operation.

The integrated inlet and blow off solenoid valve results in a 20-30% greater energy saving when compared to the conventional butterfly valve type operation.

## Efficient cooling system

An efficient aluminium finned oil and air cooler together with a unique independent cooling fan ensures normal machine operation in environmental temperatures of up to 46 degrees Celsius.



Transmission types.

Bumatec range covers three principle drive types. Belts drive units which provide a cost effective option when the need for altering discharge pressure arises. Direct drive units which are high in efficiency as well as variable speed drive options.

PLC controller.

Intelligent monitoring system has all the necessary functions which monitor and display the operating conditions of the compressor. These include motor overload protection, motor current, phase rotation, oil and air temperatures and pressures, service intervals and a host of other system reports.



High quality oil and air treatment.

Highly efficient air and oil filters together with the oil air separator ensure air delivery containing oil of less than 3PPM.

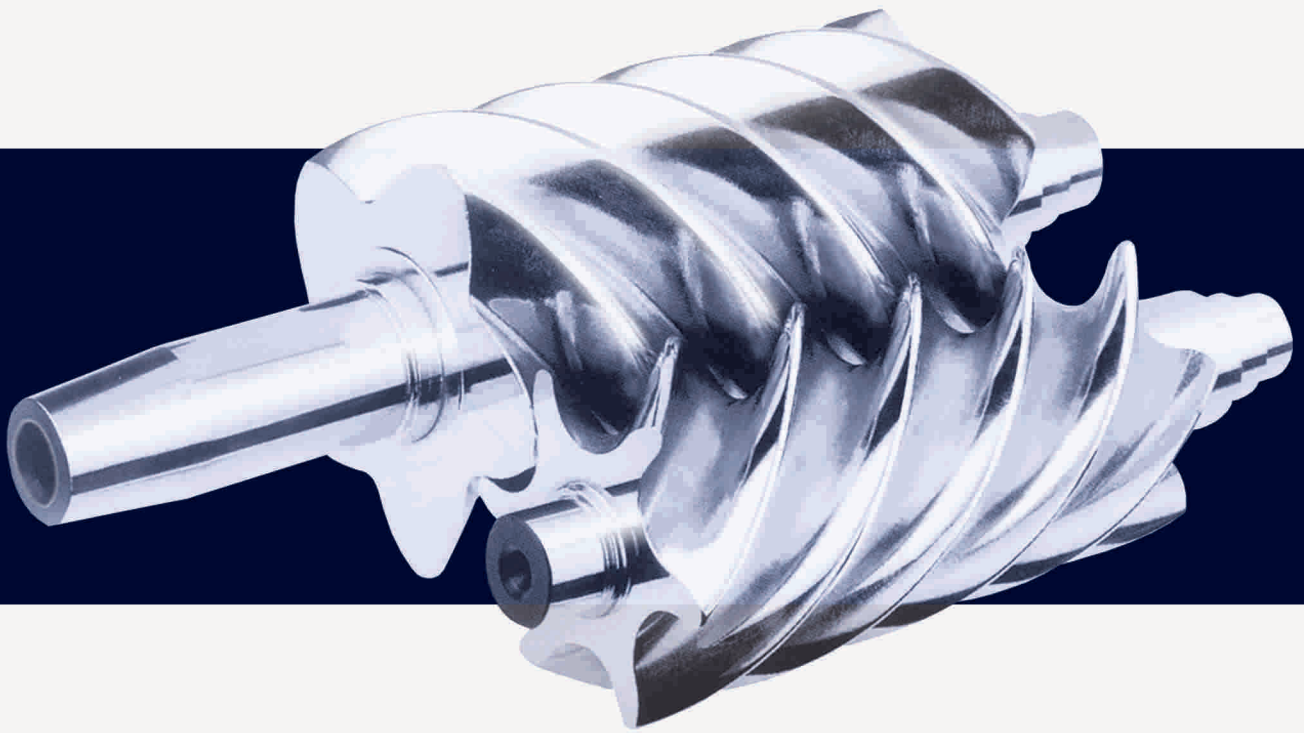
Oil free technology.

Through the process of catalytic oxidation, ETC® converters actively transform the oil and hydrocarbons in compressed air into water and CO<sub>2</sub>. ETC® Converter continuously supplies Class 0 compressed air, in accordance with DIN ISO 8573-1, with a residual oil content of < 0.0025 mg/Nm<sup>3</sup> as well as an oil-free condensate.

## Belt Drive Type

Model	Motorpower Kw	Hp	Flow m <sup>3</sup> /min	Pressure (bar)	Lube oil (L)	Outlet diam.	L x W x H (mm)	Weight (Kg)
BFB7.5	7.5	10	1.2	7	10	G 3/4"	800x695x830	280
			1.1	8				
			1	10				
BFB11	11	15	0.8	13	15	G 3/4"	775x1050x1082	390
			2	7				
			1.6	8				
BFB15	15	20	1.42	10	15	G 3/4"	775x1050x1082	450
			1.14	13				
			2.5	7				
BFB18.5	18.5	25	2.3	8	15	G 3/4"	775x1050x1082	450
			2.0	10				
			1.75	13				
BFB22	22	30	3.1	7	21	G 1"	860x1115x1350	710
			2.9	8				
			2.6	10				
BFB30	30	40	2.2	13	21	G 1"	860x1115x1350	710
			3.5	7				
			3.3	8				
BFB37	37	50	3.0	10	29	G1-1/4"	1200x900x1300	850
			2.6	13				
			5.2	7				
BFB45	45	60	5.0	8	29	G1-1/2"	1200x900x1300	950
			4.5	10				
			3.8	13				
BFB55	55	75	6.5	7	55	G 2"	1650x1200x1620	1900
			6.2	8				
			5.7	10				
BFB75	75	100	4.8	13	55	G 2"	1650x1200x1620	2000
			8.0	7				
			7.5	8				
			6.0	13				
			10.3	7				
			9.6	8				
			8.7	10				
			7.5	13				
			12.2	7				
			12	8				
			10.6	10				
			10.0	13				





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