

COMPRESSOR SERVICES

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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.



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	Motor Kw	rpower Hp	Flow m ³ /min	Pressure (bar)	Lube oil (L)	Outlet diam.	L x W x H (mm)	Weight (Kg)
	2211	P			(2)		(11111)	(8/
BFD22	22	30	3.5 3.3 3.0 2.6 5.2	7 8 10 13 7	21	DN25	1300x850x1220	550
			2.6 5.2	13 7				660
BFD30	30	40	5.0 4.5	8 10	21	DN25	1350x860x1150	700
			3.8 6.5	13 7 8 10				
BFD37	37	50	6.2 5.7 4.8	10 13	29	DN32	1550x950x1380	800
BFD45	45	60	8.0 7.5	7 8	29	DN40	1550x950x1380	960
DFD40	43	00	6.9 6.0	7 8 10 13	29	DN40	1000000001000	900
BFD55	55	75	10.3 9.6	7				
21200			8.7 7.5 13.5 12.5	8 10 13 7 8	55	DN50	2100x1200x1620	1400
BFD75	75	100	12.5 12.2	8 10				
		125	10.0	10 13 7 8			2200x1250x1650	
BFD90	90		16.3 15.9 14.0 12.2	8 10 13	70			1900
			21.0	7				
BFD110	110	150	20.0 17.0 14.8	8 10 13 7 8		DN65	2500x1500x1950	2500
BFD132	132	180	23.5 22.5	7 8	85			
DFD132	132	180	21.0 18.0	10 13				
BFD160	160	220	28.0 26.5	7 8				
DIDIOO	100		26.5 24.5 20.3 32.0	8 10 13 7				
BFD185	185	250		8 10	97	DN80	2800x1700x1950	3200
			24.5 34.3	13 7 8				
BFD200	200	280	27.8 24.5 34.3 32.9 30.2	10				
			27.2 36.0	13 7 8			3360x2000x2000	
BFD220	220	300	34.2 30.2 27.8 43.5	10 13 7	450	DN100		4500
DEDOCO	0.50	0.40	43.5 41.8	7 8	150			4000
BFD250	250	340	38.0 34.5 57.6	8 10 13 7				4900
BFD315	315	400	54.5	8		DN125	4200x2250x2150	5700
DIDUIU	010	400	50.0 43.4	10 13 7	220			3700
BFD355	355	480	64.5 62.2 56.0 48.6	8 10 13	~~0	21.120		6200
D1 D000			48.6	13				

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.

Burnatec 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.

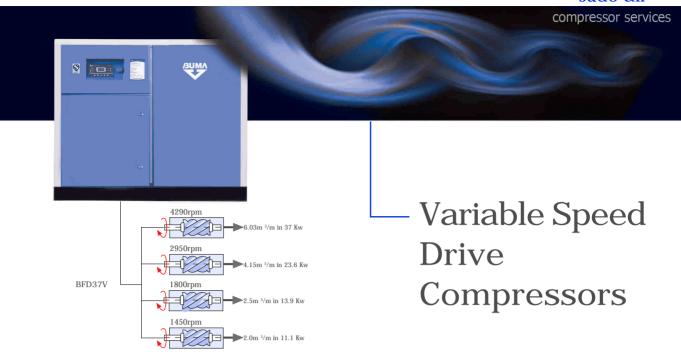
Highly efficient air and oil filters together with the oil air separator ensure air delivery containing oil of less than 3PPM.

Oil free technology.

Through the process of catalytic oxidation, ETC® converters actively transform the oil and hydrocarbons in compressed air into water and CO₂. ETC® Converter continuously supplies Class 0 compressed air, in accordance with DIN ISO 8573-1, with a residual oil content of $< 0.0025 \text{ mg/Nm}^3$ as well as an oil-free condensate.

Belt Drive Type

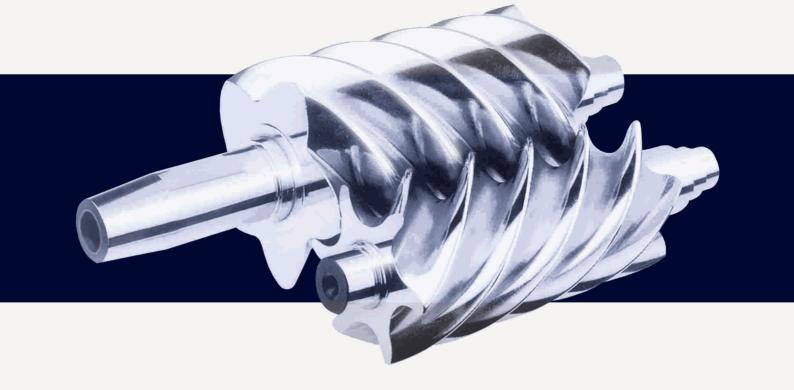
Model	Motor Kw	power Hp	Flow m ³ /min	Pressure (bar)			L x W x H (mm)	Weight (Kg)
BFB7.5	7.5	10	1.2 1.1 1 0.8	7 8 10 13 7	10	C 0 /4"	000-005-000	280
BFB11	11	15	1.6	7 8 10 13 7	10	G 3/4"	800x695x830	300
BFB15	15	20	1.14 2.5 2.3 2.0 1.75	7 8 10 13 7	15	G 3/4"	775x1050x1082	390
BFB18.5	18.5	25	3.1 2.9 2.6 2.2	8	13	G 3/4	773x1030x1082	450
BFB22	22	30	3.5 3.3 3.0 2.6	10 13 7 8 10 13 7	21	G 1"	860x1115x1350	660
BFB30	30	40	3.5 3.3 3.0 2.6 5.2 5.0 4.5 3.8 6.5 6.2	7 8 10 13	21	G I	000X1113X1330	710
BFB37	37	50	5.7	10 13 7 8 10 13	29	G1-1/4"	1200x900x1300	850
BFB45	45	60	8.0 7.5 6.9	7 8 10 13 7 8	29	G1-1/2"	12003900X1300	950
BFB55	55	75	10.3 9.6 8.7 7.5 12.2	7 8 10 13 7	55	G 2"	1650x1200x1620	1900
BFB75	75	100	12.2 12 10.6 10.0	7 8 10 13	33	G Z	1030A1200A1020	2000



Energy conservation has become paramount in all industries. The utilisation of a variable speed compressor allows the air delivery to precisely track and match the air demand. This significantly reduces the consumption of power thereby reducing the overall running costs of the machine and/or plant. Moreover this option limits the number of motor starts and the costs associated with the changing air demand whilst maintaining the change in air pressure within an accuracy of 0.1 bar.

VSD Compressor

Model Flow Pressure			Compressor Motor						tor		Outlet diam.	LxWxH	Weight
	m ³ /min	(bar)	Drive Type	Air	Discharg Air Temp.		g Motor Power (Kw)					(mm)	(Kg)
	0.4-2	7				0)							
BFB11V	0.32-1.6	8	Belt & Invertor Type	< 40	MAX inlet air temp +15	Ē.	11	AC 380 3-Phase	50	Variable frequency start	G 3/4"	800x695x830	210
	0.28-1.42	10 7				CO	15						
BFB15V	0.5-2.5 0.46-2.3	8				윱					G 3/4"	775x1050x992	360
	0.4-2.0	10				gn	13				G 3/4	773X1030X332	300
	0.62-2.5	7				34							
BFB18.5V	0.46-2.3	8				air cooling / water cooling	18.5				G 3/4"	775x1050x992	400
DIDIO.0V	0.52-2.0	10					10.0	P			0 0/1	770X1000X002	100
	0.7-3.5	7						hase					
BFB22V	0.66-3.3	8					22				G 1"	1200x900x1270	550
21 10 00 4	0.6-3.0	10									U 1	1200A000A1210	000
	1.04-5.2	7										860x1115x1260	680
BFB30V	1.0-5.0	8					30				G 1"		
	0.9-4.5	10											
	1.3-6.5	7		< 40									
BFD37V	1.24-6.2	8			MAX inlet air temp +15	air cooling / water cooling	37				G 1-1/4"	1650x1000x1350	800
	1.14-5.7	10	Direct & Invertor Type										
	1.6-8.0	7						-					
BFD45V	1.5-7.5	8					45				G-1/2"	1550x950x1380	960
	1.38-6.9	10											
	2.06-10.3	7									G 2"	2100x1300x1580	
BFD55V	1.92-9.6	8					55						
	1.74-8.7	10											1600
DEDGELL	2.7-13.5	7					~~						
BFD75V	2.5-12.5 2.24-11.2	8 10					75	-Phase	50	Variable frequency start			
	3.26-16.3	7											
DEDOOM	3.26-16.3	8					00					010010001040	1000
BFD90V	2.8-14	10					90					2100x1300x1840	1900
	4.2-21	7											
BFD110V	4.0-20	8					110					2650x1700x1950	
PLDIIOA	3.4-17	10					110					LUJUXI / UUXI IJU	
	4.7-23.5	7	0		en								2800
BFD132V	4.5-22.5	8	rJ		+ du		132				G 3"	2800x1700x1950	
Druisav	4.2-21	10	₹				132				G 3	7000X1\00X1A90	
	5.6-28	7	ре		15								
BFD160V	5.3-26.5	8			O.		160					2600x1700x1950	3500
	4.9-24.5	10					100					2000X1/00X1330	3300
	6.4-32	7											
BFD185V	6.0-30	8					185					2800x1700x1950	4000
	5.56-27.8	10					100					2000X1700X1330	4000
	8-40	7											
BFD250V	7.8-39	8					250				G 4"	3360x2000x2000	5000
	7.6-36	10					~00						





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