Catalogue for Air Compressor

BELT SCREW AIR COMPRESSOR



Control Panel:

Intelligent microcomputer-based control technology can monitor and control in all aspects the complete machine following your instruction. Remote control realizes unattended operation, and the user-friendly human-machine interface displays instructions and parameters in written form. Also, it can function to self diagnose faults, give warning and automatically regulate the capacity.

Oil filter:

Rotary filters are applied to completely remove the impurities in the lubricating oil, easy to replace and free of oil impregnate.

Cooler:

It is designed for low temperature difference to increase hear exchange are, and ideal to be applied to high-temperature and high-humidity operating environment.

Motor:

First-class motors are adopted, with the level of protection being IP54 and insulation level being F.

Acoustic enclosure:

It is designed into fully-closed mute box, in which sound-absorbing sponge are attached for effective absorption of noise, thereby making the noise 3-5dB(A) lower than that made by the compressors of the same kind. It is reasonably structured overall and very easy to maintain and repair.

Model		Air	delivery //	Vorking pre	ssure	Motor pow er					Cooling air volume	Cooling water volume	connect pipe	Weight	Dime	ension(mm)
			m³/n	nin/bar		KW					m3/	min	diam.	Kg	L	w	н
ERC-10SA		1.1/7	1.0/8	0.85/10	0.7/12.5	7.5		72			32.5		3/4"	350	850	640	880
ERC-15SA		1.8/7	1.65/8	1.5/10	1.3/12.5	11		±5dB(50		1'	450	1150	700	1180
ERC-20SA		2.4/7	2.2/8	2.1/10	1.8/12.5	15		A),testii			50		1'	460	1150	700	1180
ERC-25SA	A-air c	3.1/7	2.9/8	2.7/10	2.3/12.5	18.5		ng acc		Amt	110		1'	620	1200	850	1280
ERC- 30SA/SW	cooling	3.8/7	3.6/8	3.2/10	2.5/12.5	22	Y-\	ording		Ambient temperature+15°C	110	14.5	1'	640	1200	850	1280
ERC- 40SA/SW	W-W	5.3/7	5.0/8	4.3/10	3.6/12.5	30	starting	g to the ir standard	<3ppm	mpera	145	20	1 1/4'	900	1250	1000	1360
ERC- 50SA/SW	W-water cooling	6.6/7	6.2/8	5.7/10	4.6/12.5	37	ng	nterna	_	ture+1	145	25	1 1/4*	1060	1350	950	1600
ERC- 60SA/SW	ooling	8.0/7	7.7/8	6.9/10	6.0/12.5	45		tional		5°C	185	30	1 1/2'	1150	1300	1000	1470
ERC- 75SA/SW	3	10.5/7	9.8/8	8.7/10	7.3/12.5	55		GВ/Т4			220	39.9	2'	1750	1950	1320	1570
ERC- 100SA/SW	**	13.6/7	13.0/8	11.3/10	10.1/12.5	75		72±5dB(A),testing according to the international GB/T4980-2003 standard			250	51	2"	1840	1950	1320	1570
ERC- 120SA/SW	3	16.2/7	15.4/8	13.2/10	11.2/12.5	90		03			270	61	2'	2030	2100	1320	1700

DIRECT SCREW AIR CMOPRESSOR



Configuration characteristics:

- 1. A precisely-made central bracket is used to keep the motor aligned permanently with the air end.
- 2. A highly resilient coupling is adopted to make the compressor operate smoothly, and the elastomer is long in useful life.
- 3. The discharge pipe is double-wall corrugated pipe, and the oilway uses a special high-pressure hose which is resistant to temperature up to 125° C
- 4. For the extremely high temperature conditions in some districts, the large-area plate heat exchanger and high-efficiency water chiller are used.

Highly-quality shaft coupling elastic body can buffer and compensate for the imbalanced moment of operation. The elastomer is designed into and involute cambered surface, which effectively avoids stress concentration and improve the buffering effect of the elastomer to increase its bearing capacity. In addition, the high-quality materials ensure excellent durability for the elastomer and can better absorb the vibration arising from the rotation to remove noise.

Reliability:

Since no wearing parts are used for the double-screw compressor air end, it can operate for up to 40000-80000 hours between failure if well maintained.

Model	8	Air	delivery /\	Working pre	essure	Motor power				5:	Cooling air volume	Cooling water volume	connect pipe	Weight	Dim	ension(r	mm)
25000.0531.00			m³/	min/bar	ĺ	KW					m³/	/min	diam	Kg	E	W	Н
ERC-30SA	8	3.8/7	3.6/8	3.2/10	2.5/12.5	22		ik.		D/ 3	110	3	1 1/4*	640	1380	850	1150
ERC-30SW		3.8/7	3.6/8	3.2/10	2.5/12.5	22	1					14.5	1 1/4"	640	1380	850	1150
ERC-40SA		5.3/7	5.0/8	4.3/10	3.6/12.5	30					145		1 1/4"	900	1380	850	1150
ERC-40SW		5.3/7	5.0/8	4.3/10	3.6/12.5	30	1					20	1 1/4"	900	1380	850	1150
ERC-50SA	1 8	6.6/7	6.2/8	5.7/10	4.6/12.5	37				8	145	8	1 1/2°	1060	1595	1000	1365
ERC-50SW		6.6/7	6.2/8	5.7/10	4.6/12.5	37						25	1 1/2"	1060	1595	1000	1365
ERC-60SA		8.0/7	7.7/8	6.9/10	6.0/12.5	45					185		1 1/2"	1150	1595	1000	1365
ERC-60SW		8.0/7	7.7/8	6.9/10	6.0/12.5	45	1					30	1 1/2"	1150	1595	1000	1365
ERC-75SA	8	10.5/7	9.8/8	8.7/10	7.3/12.5	55				8	220	8 3	2"	1750	2100	1250	1700
ERC-75SW		10.5/7	9.8/8	8.7/10	7.3/12.5	55						39.9	2°	1750	2100	1250	1700
ERC-100SA		13.6/7	13.0/8	11.3/10	10.1/12.5	75					250		2*	1840	2100	1250	1700
ERC-100SW		13.6/7	13.0/8	11.3/10	10.1/12.5	75	1	1000				51	2°	1840	2100	1250	1700
ERC-120SA	8	16.2/7	15.4/8	13.2/10	11.2/12.5	90		72±5		8	270	8	2°	2030	2100	1250	1700
ERC-120SW		16.2/7	15.4/8	13.2/10	11.2/12.5	90		72±5,testing according to				61	2°	2030	2100	1250	1700
ERC-150SA	A	20.8/7	19.5/8	16.5/10	13.7/12.5	110	1	ng a			420		DN65	2920	2545	1450	1900
ERC-150SW	Air c	20.8/7	19.5/8	16.5/10	13.7/12.5	110	1	ccorc				79	DN65	2920	2500	1550	1900
ERC-175SA	ooling	24.0/7	23.0/8	20.0/10	15.5/12.5			ting t		Am	460	1	DN65	3200	2545	1450	1900
ERC-175SW	\$	24.0/7	23.0/8	20.0/10	15.5/12.5		دا	o the		bien		91	DN65	3200	2500	1550	1900
ERC-200SA	Wate	27.8/7	26.0/8	23.5/10	19.5/12.5	160	Y-∆s	inter	3	Ambient temperature+15°C	510		DN65	3600	2650	1550	1920
ERC-200SW	C00	27.8/7	26.0/8	23.5/10	19.5/12.5	160	starting	international	<3ppm	perat		105	DN65	3600	2650	1550	1920
ERC-250SA	gnill	32.5/7	31.0/8	26.0/10	21.6/12.5	185	9	nal (ure+	510	8	DN80	3780	2650	1550	1920
ERC-250SW		32.5/7	31.0/8	26.0/10	21.6/12.5	185		GB/T4980-2		15°C		123.5	DN80	3780	2650	1550	1950
ERC-270SA		34.5/7	33.0/8	28.0/10	23.5/12.5	200		1980			620		DN80	4400	2850	1700	2000
ERC-270SW		34.5/7	33.0/8	28.0/10	23.5/12.5	200	1	.2003				131	DN80	4400	2850	1700	2000
ERC-300SA		38.0/7	36.5/8	32.0/10	27.0/12.5	220					710		DN100	4930	3150	1950	2020
ERC-300SW		38.0/7	36.5/8	32.0/10	27.0/12.5	220		standard		8		144	DN100	4930	3400	1950	2020
ERC-330SA		43.0/7	40.5/8	36.5/10	32.0/12.5	250		<u></u>			800		DN100	5450	3150	1950	2020
ERC-330SW		43.0/7	40.5/8	36.5/10	32.0/12.5	250						163	DN100	5450	3400	1950	2020
ERC-375SA		51.5/7	50.0/8	45.0/10	37.0/12.5	280	1				890		DN125	6150	4000	2000	2100
ERC-375SW	1 10	51.5/7	50.0/8	45.0/10	37.0/12.5	280				8		202	DN125	6150	4000	2000	2100
ERC-420SA		56.0/7	55.0/8	49.0/10	41.0/12.5	315					960		DN125	7500	4600	2300	2400
ERC-420SW		56.0/7	55.0/8	49.0/10	41.0/12.5	315						212	DN125	7500	4600	2300	2400
ERC-470SA	1 **	64.0/7	62.0/8	54.0/10	46.0/12.5	355	1				1130		DN150	8100	4600	2300	2400
ERC-470SW	38	64.0/7	62.0/8	54.0/10	46.0/12.5	355				ä	000000	243	DN150	8100	4600	2300	2400
ERC-550SW		73.0/7	70.0/8	61.0/10	52.0/12.5	400						277	DN150	8400	5000	2350	2400
ERC-600SW		81.0/7	79.0/8	70.0/10	59.0/12.5	450	1			8		307	DN150	9000	5500	2590	2800
ERC-670SW		89.0/7	87.0/8	77.0/10	67.0/12.5	500						338	DN200	9500	5500	2590	2800
ERC-750SW	100	102.0/7	98.0/8	87.0/10	77.0/12.5	560				ä		387	DN200	10000	6500	2650	3000
	1 0					X		4	10			XIII					

PERMANENT MAGNET SYNCHRONIZING VSD SCREW AIR COMPRESSOR



Significant energy saving effect

Permanent magnet synchronous variable air compressor is always running in the loaded state, no uninstall run phenomenon, and this no power wastage. Permanent magnet synchronous motor efficiency is very high compared with ordinary motor efficiency by at least 2%, with less power consumption and greater output torque, energy-saving effect is remarkable, fee energy consumption remained at the level of the most economical.

Introduction of permanent magnet synchronizing variable frequency compressor:

The permanent magnet synchronizing variable frequency compressor is a most recent compressor with excellent quality and high efficiency and energy saving at present. It is an advanced technique owned by only a few advanced countries and zones in the world. It is a high-end tendency for the future compressor development. The design concept and technical measure has broken through the tradition technical concept. It integrates the most sophisticated and energy saving technical factors.

Excellent quality of motors

The permanent magnet synchronizing variable frequency compressor is equipped with high efficiency permanent magnet synchronizing motor (PM motor). Compared to normal motors, PM motor has smaller volume and more excellent energy saving. It will exert incomparable energy saving effect than normal inductive motor when installed with the special frequency converters. It uses high performance NdFeB magnets which will not loss magnet even at 120°C and service life can be up to 15 years. The stator winding can be of special corona resistant wire for frequency converters with excellent insulation performance. As the magneto conductivity of rotors is very high, the diameter is very small and able to be installed at the extending shaft of the male rotor, without use of bearing, thus eliminating the faults of motor bearing and improving the driving efficiency.

The compressor air end is of high efficiency and long service life

The quality of air end of permanent magnet synchronizing variable frequency compressor is excellent. The advanced molded lines ensure the minimum specific power. It is designed in the FEM strength analysis, to ensure the stability and reliability of each part, and to realize long term operation with no faults, low noise and long life.

Strong support of frequency converter to compressor

The permanent magnet synchronizing variable frequency compressor is equipped with special frequency converter with wider frequency converting rang. With the rapid development of techniques, the variable frequency compressor has become a high-grade machine in the energy saving area. It can realize maximum energy saving effect with the permanent magnet synchronizing motor.

Model	Cooling Type	Air Delivery/ Working Pressure	Motor Speed	Variable Speed	Air Delivery/ Working Pressure	Motor Speed	Variable Speed	Air Delivery/ Working Pressure	Motor Speed	Variable Speed	Compre ssor Power	Voltage	Start Mode	Noise	Outlet Oil Conte nt	Outlet Air Temp.	Pipe Connect ion Dia.	Weight	Dime	ension ((mm)
		m3/min/bar	r/min		m3/min/bar	r/min		m3/min/bar	r/min		KW	V/Hz/Ph		dB(A)	ppm	Ĉ		Kg	L	W	Н
ERC-20SA	Air cooling	0-2.4/8	3900	0-66Hz	0-2.2/10	3500	0-60Hz	0-2.1/12.5	3200	0-54Hz	15						1"	665	1200	850	1280
ERC-25SA	Air cooling	0-2.9/8	3900	0-66Hz	0-2.7/10	3500	0-60Hz	0-2.3/12.5	3200	0-54Hz	18.5						1"	665	1200	850	1280
ERC-30SA	Air cooling	0-3.6/8	3900	0-66Hz	0-3.2/10	3500	0-60Hz	0-2.8/12.5	3200	0-54Hz	22						1"	665	1200	850	1280
ERC-30SW	Water cooling	0-3.6/8	3900	0-66Hz	0-3.2/10	3500	0-60Hz	0-2.8/12.5	3200	0-54Hz	22						1"	665	1200	850	1280
ERC-40SA	Air cooling	0-5.0/8	2950	0-62Hz	0-4.3/10	2500	0-54Hz	0-3.6/12.5	2200	0-50Hz	30			73			11/4°	1110	1450	1000	1465
ERC-40SW	Water cooling	0-5.0/8	2950	0-62Hz	0-4.3/10	2500	0-54Hz	0-3.6/12.5	2200	0-50Hz	30			72±5(test according to			11/4°	1110	1450	1000	1465
ERC-50SA	Air cooling	0-6.2/8	3600	0-62Hz	0-5.7/10	3200	0-54Hz	0-4.6/12.5	2900	0-50Hz	37			est ac			11/4°	1110	1450	1000	1465
ERC-50SW	Water cooling	0-6.2/8	3600	0-62Hz	0-5.7/10	3200	0-54Hz	0-4.6/12.5	2900	0-50Hz	37			cond			11/4°	1110	1450	1000	1465
ERC-60SA	Air cooling	0-7.7/8	3700	0-62Hz	0-6.7/10	3350	0-60Hz	0-6.0/12.5	3100	0-50Hz	45		Variable	ling to		Amb	2"	1750	1450	1000	1465
ERC-60SW	Water cooling	0-7.7/8	3700	0-62Hz	0-6.7/10	3350	0-60Hz	0-6.0/12.5	3100	0-50Hz	45	ACSE	able f	the		Ambient temperature	2"	1750	1450	1000	1465
ERC-75SA	Air cooling	0-9.8/8	3200	0-62Hz	0-8.7/10	2950	0-60Hz	0-7.3/12.5	2600	0-50Hz	55	AC380V 50Hz 3ph	frequency starting	national standard	<3PPm	empe	2"	1750	2100	1250	1700
ERC-75SW	Water cooling	0-9.8/8	3200	0-62Hz	0-8.7/10	2950	0-60Hz	0-7.3/12.5	2600	0-50Hz	55	무	ency	nal st	Pm	ratur	2"	1750	2100	1250	1700
ERC-100SA	Air cooling	0-13.0/8	3300	0-62Hz	0-11.3/10	2900	0-60Hz	0-10.1/12.5	2650	0-50Hz	75	3ph	starti	tanda		e +15°C	2"	1840	2100	1250	1700
ERC-100SW	Water cooling	0-13.0/8	3300	0-62Hz	0-11.3/10	2900	0-60Hz	0-10.1/12.5	2650	0-50Hz	75		Bu			0.0	2"	1840	2100	1250	1700
ERC-120SA	Air cooling	0-15.4/8	3600	0-62Hz	0-13.2/10	3200	0-60Hz	0-11.2/12.5	2900	0-50Hz	90	K		свл 4			2"	2030	2170	1320	1750
ERC-120SW	Water cooling	0-15.4/8	3600	0-62Hz	0-13.2/10	3200	0-60Hz	0-11.2/12.5	2900	0-50Hz	90			-0861			2"	2030	2170	1320	1750
ERC-150SA	Air cooling	0-19.5/8	3600	0-62Hz	0-16.5/10	3100	0-60Hz	0-13.7/12.5	2700	0-50Hz	110			4980-2003)			Dm65	3100	2545	1500	1900
ERC-150SW	Water cooling	0-19.5/8	3600	0-62Hz	0-16.5/10	3100	0-60Hz	0-13.7/12.5	2700	0-50Hz	110						Dm65	3100	2545	1500	1900
ERC-175SA	Air cooling	0-23/8	3200	0-62Hz	0-20.0/10	2800	0-60Hz	0-15.5/12.5	2300	0-50Hz	132						Dm65	3400	2545	1500	1900
ERC-175SW	Water cooling	0-23/8	3200	0-62Hz	0-20.0/10	2800	0-60Hz	0-15.5/12.5	2300	0-50Hz	132						Dm65	3400	2545	1500	1900
ERC-200SA	Air cooling	0-26/8	3600	0-62Hz	0-23.5/10	3300	0-60Hz	0-19.5/12.5	2800	0-50Hz	160						Dm65	3400	2545	1500	1900
ERC-200SW	Water cooling	0-26/8	3600	0-62Hz	0-23.5/10	3300	0-60Hz	0-19.5/12.5	2800	0-50Hz	160						Dm65	3400	2545	1500	1900
	7.5																				

VARIABLE FREQUENCY BELT SCREW AIR COMPRESSOR



Introduction

Every model has a corresponding frequency conversion compressor, which controls the air delivery by changing the rotational speed of motor, making the air output and electricity consumption smoothly vary the air supply decreases and so does the electricity consumption for energy conservation. For capacity ranging from 2 to 60m3/min and discharge pressure from 0.5-1.3Mpa. There are corresponding models available to customers with different requirements.

In addition to that frequency conversion air compressors have the same good quality as other ERC model, the quality frequency converter will further better the result of energy conservation. With the help of the PID regulator disposed in frequency converter, it can start up smoothly, causes little impact on the power grid and generates great low-frequency start moment of current vector control and small running current. When the air use decreases, the compressors enter the sleeping status, saving considerable energy. Moreover, digital to analog conversion is highly accurate and the integration design features few fault points.

Life of compressor air end:

Rotors are asymmetric in profile and backed up by ball bearings and roller bearings and operate at a low speed. Helical gears can produce axial force to kill some acting force, which reduces the load of the bearing of compressor air end. Thereby low in abrasion and maintenance and repair expenses and the compressor air end being long in service life.

More reliable operation:

With frequency conversion soft start reduce in-rush starting current, reduce wear on electrical switch gears and motor windings. Also maintain less power during starting and stopping of motors and increase protection to motors. Also reduce peak demand and improve power factor.

In the case of rated power license setting desired pressure at discretion, and maintaining constant pressure at discretion, and maintaining constant pressure:

User to choose any delivery pressure between 4-13bar without any gears or belt change. When the use of air increases the unit increases air output through automatic acceleration of rotational speed to avoid a falling pressure and ensure volume at constant pressure. When the use of air decreases, the unit reduces air output by automatically lowering the rotational speed to avoid pressure increase and ensure continued air supply constant pressure.

Efficiency and energy conservation:

Thanks to the variable-speed control technology, the capacity of compressors can be perfectly combined with the air use of users, which downright avoid the unloading power loss. In intermittent air use, the minimized load of soft start eliminates the starting frequency of the peak current and further smooth start can reduce the power supply, equipment costs as well as the impact on the network power.

Model	33		Air delivery /\	Vorking press	ure	Motor			200	Cooling air volume	Cooling water volume	connect	Weight	Dim	ension((mm)
			m ³ .	/min/bar		ĸw				m3/	min	pipe diam.	Kg	L	W	Н
ERC-15SA		0.68-1.7/7	0.64-1.65/8	0.56-1.5/10	0.48-1.3/12.5	11			6 1	50		1'	460	1150	700	1180
ERC-20SA	92	0.96-2.4/7	0.88-2.2/8	0.84-2.1/10	0.68-1.8/12.5	15	6		3	50		1'	460	1150	700	1180
ERC-25SA	33	1.24-3.1/7	1.16-2.9/8	1.08-2.7/10	0.88-2.3/12.5	18.5	3			110		1'	645	1200	850	1280
ERC-30SA	5%	1.52-3.8/7	1.4-3.6/8	1.28-3.2/10	1.08-2.5/12.5	22	96		3	110		1"	655	1200	850	1280
ERC-30SW	0.00	1.52-3.8/7	1.4-3.6/8	1.28-3.2/10	1.08-2.5/12.5	22	3			9	14.5	1'	655	1200	850	1280
ERC-40SA	5/2	2.08-5.3/7	2.0-5.0/8	1.72-4.3/10	1.48-3.6/12.5	30	6		3	145		1 1/4"	925	1250	900	1360
ERC-40SW	08	2.08-5.3/7	2.0-5.0/8	1.72-4.3/10	1.48-3.6/12.5	30	Va	-800	Amt	9	20	1 1/4"	925	1250	900	1360
ERC-50SA	5%	2.56-6.6/7	2.4-6.2/8	2.2-5.7/10	1.84-4.6/12.5	37	riable f	50000000	ient te	145		1 1/4"	1110	1450	1000	1465
ERC-50SW	A-Air	2.56-6.6/7	2.4-6.2/8	2.2-5.7/10	1.84-4.6/12.5	37	Variable frequency starting	△3 ppm	Ambient temperature		25	1 1/4"	1110	1450	1000	1465
ERC-60SA	cooling	3.2-8.0/7	3.08-7.7/8	2.6-6.9/10	2.16-6.0/12.5	45	cy star	'n	ture +	185		1 1/2"	1210	1500	1000	1480
ERC-60SW	J	3.2-8.0/7	3.08-7.7/8	2.6-6.9/10	2.16-6.0/12.5	45	ting	8	15°C		30	1 1/2"	1210	1500	1000	1480
ERC-75SA	M-MAI	4.2-10.5/7	3.92-9.8/8	3.4-8.7/10	2.84-7.3/12.5	55		9		220		2"	1810	2100	1320	1700
ERC-75SW	er coo	4.2-10.5/7	3.92-9.8/8	3.4-8.7/10	2.84-7.3/12.5	55					39.9	2"	1810	2100	1320	1700
ERC- 100SA	ling	5.4-13.6/7	5.16-13.0/8	4.4-11.3/10	3.7-10.1/12.5	75	6		3	250		2"	1900	2100	1320	1700
ERC- 100SW	0.00	5.4-13.6/7	5.16-13.0/8	4.4-11.3/10	3.7-10.1/12.5	75	3				51	2"	1900	2100	1320	1700
ERC- 120SA	52	6.4-16.2/7	6.16-15.4/8	5.6-13.2/10	4.6-11.2/12.5	90	6		3	270		2"	2190	2100	1320	1700
ERC- 120SW	- N	6.4-16.2/7	6.16-15.4/8	5.6-13.2/10	4.6-11.2/12.5	90	S				61	2*	2190	2100	1320	1700

VARIABLE FREQUENCY DIRECT SCREW AIR COMPRESSOR



Introduction

Every model has a corresponding frequency conversion compressor, which controls the air delivery by changing the rotational speed of motor, making the air output and electricity consumption smoothly vary the air supply decreases and so does the electricity consumption for energy conservation. For capacity ranging from 2 to 60m3/min and discharge pressure from 0.5-1.3Mpa. There are corresponding models available to customers with different requirements.

In addition to that frequency conversion air compressors have the same good quality as other ERC model, the quality frequency converter will further better the result of energy conservation. With the help of the PID regulator disposed in frequency converter, it can start up smoothly, causes little impact on the power grid and generates great low-frequency start moment of current vector control and small running current. When the air use decreases, the compressors enter the sleeping status, saving considerable energy. Moreover, digital to analog conversion is highly accurate and the integration design features few fault points.

Life of compressor air end:

Rotors are asymmetric in profile and backed up by ball bearings and roller bearings and operate at a low speed. Helical gears can produce axial force to kill some acting force, which reduces the load of the bearing of compressor air end. Thereby low in abrasion and maintenance and repair expenses and the compressor air end being long in service life.

More reliable operation:

With frequency conversion soft start reduce in-rush starting current, reduce wear on electrical switch gears and motor windings. Also maintain less power during starting and stopping of motors and increase protection to motors. Also reduce peak demand and improve power factor.

In the case of rated power license setting desired pressure at discretion, and maintaining constant pressure at discretion, and maintaining constant pressure:

User to choose any delivery pressure between 4-13bar without any gears or belt change. When the use of air increases the unit increases air output through automatic acceleration of rotational speed to avoid a falling pressure and ensure volume at constant pressure. When the use of air decreases, the unit reduces air output by automatically lowering the rotational speed to avoid pressure increase and ensure continued air supply constant pressure.

Efficiency and energy conservation:

Thanks to the variable-speed control technology, the capacity of compressors can be perfectly combined with the air use of users, which downright avoid the unloading power loss. In intermittent air use, the minimized load of soft start eliminates the starting frequency of the peak current and further smooth start can reduce the power supply, equipment costs as well as the impact on the network power.

Model		8	Air delivery //	Vorking pressur	е	Motor			Cooling	Cooling	connect	Weight	Dim	ension((mm)
Model			m³/n	nin/bar		KW			1600	/min	pipe diam	Kg	L	W	Н
ERC-30SA		1.52-3.8/7	1.4-3.6/8	1.28-3.2/10	1.08-2.5/12.5	22			110	3	1 1/4"	665	1380	850	1150
ERC-30SW		1.52-3.8/7	1.4-3.6/8	1.28-3.2/10	1.08-2.5/12.5	22				14.5	1 1/4"	665	1380	850	1150
ERC-40SA	1 10	2.08-5.3/7	2.0-5.0/8	1.72-4.3/10	1.48-3.6/12.5	30			145	8	1 1/4"	925	1380	850	1150
ERC-40SW		2.08-5.3/7	2.0-5.0/8	1.72-4.3/10	1.48-3.6/12.5	30				20	1 1/4"	925	1380	850	1150
ERC-50SA		2.56-6.6/7	2.4-6.2/8	2.2-5.7/10	1.84-4.6/12.5	37			145	39	1 1/2"	1110	1595	1000	1365
ERC-50SW		2,56-6.6/7	2.4-6.2/8	2.2-5.7/10	1.84-4.6/12.5	37				25	1 1/2"	1110	1595	1000	1365
ERC-60SA	1 10	3.2-8.0/7	3.08-7.7/8	2.6-6.9/10	2.16-6.0/12.5	45			185	30	1 1/2"	1210	1595	1000	1365
ERC-60SW		3.2-8.0/7	3.08-7.7/8	2.6-6.9/10	2.16-6.0/12.5	45				30	1 1/2"	1210	1595	1000	1365
ERC-75SA		4.2-10.5/7	3.92-9.8/8	3.4-8.7/10	2.84-7.3/12.5	55			220	39	2"	1810	2100	1250	1700
ERC-75SW		4.2-10.5/7	3.92-9.8/8	3.4-8.7/10	2.84-7.3/12.5	55				39.9	2"	1810	2100	1250	1700
ERC-100SA		5.4-13.6/7	5.16-13.0/8	4.4-11.3/10	3.76-10.1/12.5	75			250	3	2"	1900	2100	1250	1700
ERC-100SW		5.4-13.6/7	5.16-13.0/8	4.4-11.3/10	3.76-10.1/12.5	75				51	2"	1900	2100	1250	1700
ERC-120SA	A-ai	6.4-16.2/7	6.16-15.4/8	5.6-13.2/10	4.6-11.2/12.5	90		88	270	3	2"	2190	2100	1250	1700
ERC-120SW	000	6.4-16.2/7	6.16-15.4/8	5.6-13.2/10	4.6-11.2/12.5	90		Ambi		61	2"	2190	2100	1250	1700
ERC-150SA	ling	8.32-20.8/7	7.8-19.5/8	6.3-16.5/10	5.2-13.7/12.5	110	<	ent t	420		DN65	3030	2545	1450	1900
ERC-150SW		8.32-20.8/7	7.8-19.5/8	6.3-16.5/10	5.2-13.7/12.5	110	3	Ambient temperature		79	DN65	3030	2500	1550	1900
ERC-175SA	111	9.6-24.0/7	9.2-23.0/8	7.4-20.0/10	5.8-15.5/12.5	132	P	ratui	460	3	DN65	3320	2545	1450	1900
ERC-175SW	wate	9.6-24.0/7	9.2-23.0/8	7.4-20.0/10	5.8-15.5/12.5	132	m	+		91	DN65	3320	2500	1550	1900
ERC-200SA	r coc	11.08-27.8/7	10.2-26.0/8	9.0-23.5/10	7.32-19.5/12.5	160		5°C	510	S0	DN65	3720	2650	1550	1920
ERC-200SW	ling	11.08-27.8/7	10.2-26.0/8	9.0-23.5/10	7.32-19.5/12.5	160		Chemi		105	DN65	3720	2650	1550	1950
ERC-250SA		13-32.5/7	12.4-31.0/8	9.8-26.0/10	8.0-21.6/12.5	185			510	39	DN80	3930	2650	1550	1920
ERC-250SW		13-32.5/7	12.4-31.0/8	9.8-26.0/10	8.0-21.6/12.5	185				123.5	DN80	3930	2650	1550	1950
ERC-270SA		13.6-34.5/7	12.8-33.0/8	11.2-28.0/10	9.4-23.5/12.5	200			620	38 53	DN80	4550	2850	1700	2000
ERC-270SW	86	13.6-34.5/7	12.8-33.0/8	11.2-28.0/10	9.4-23.5/12.5	200				131	DN80	4550	2850	1700	2000
ERC-300SA		14.8-38.0/7	14.0-36.5/8	12.032.0/10	10.4-27.0/12.5	220			710	8	DN100	5080	3400	1950	2020
ERC-300SW		14.8-38.0/7	14.0-36.5/8	12.032.0/10	10.4-27.0/12.5	220				144	DN100	5080	3400	1950	2020
ERC-330SA		17.2-43.0/7	16.2-40.5/8	13.6-36.5/10	12.0-32.0/12.5	250			800	·	DN100	5700	3400	1950	2020
ERC-330SW		17.2-43.0/7	16.2-40.5/8	13.6-36.5/10	12.0-32.0/12.5	250				163	DN100	5700	3400	1950	2020
ERC-375SA	100	21.0-51.5/7	20.0-50.0/8	18.0-45.0/10	14.8-37.0/12.5	280			890	88	DN125	6500	4000	2000	2100
ERC-375SW	1 10	21.0-51.5/7	20.0-50.0/8	18.0-45.0/10	14.8-37.0/12.5	280				202	DN125	6500	4000	2000	2100
ERC-420SA		21.6-56.0/7	18.8-55.0/8	15.6-49.0/10	13.4-41.0/12.5	315			960	3	DN125	7850	4600	2300	2400
ERC-420SW		21.6-56.0/7	18.8-55.0/8	15.6-49.0/10	13.4-41.0/12.5	315				212	DN125	7850	4600	2300	2400
3	- 01			Va	riable frequency	startir	ng	- 200		300	25 50		300 - 60	3	

OIL FREE DRY SCREW AIR COMPRESSOR



MODEL			Air Delivery	Pressure	Motor Power			Cooling Water	Outlet Temp.	Noise	Outlet Connection	Weight	Dimention
11 151 150 YEAR OLD 150			(m3/min)	(MPa)	(kw)			(T)	(°C)	db(A)	Connection	KG	mm
ERC-100SWLH			11.25	0.8	75			12		75	DN50	3500	2500X1500X1900
EDO 400CMUL			14.6	0.8	00			40		70	DNICA	4000	05000450004000
ERC-120SWLH			11.5	1.05	90			18		76	DN50	4000	2500X1500X1900
EDO 450CM III			18	0.8	110	20		20		76	DNISE	4500	05007450074000
ERC-150SWLH			15	1.05	110			20	(3	76	DN65	4500	2500X1500X1900
EDO 4750MILL		Two	22	0.8	420			25	K:	78	DN65	4500	20207455072000
ERC-175SWLH	Wate	-Stag	17.5	1.05	132	Shaf	EH.	25		77	DINOS	4500	3000X1550X2000
EDC 2008IM U	Water Cooling	Two-Stage Compression	23.5	0.8	160	Shaft Coupling	GHH Air End	20	<40	79	DNIOO	5500	22007455072000
ERC-200SWLH	ling	press	20.5	1.05	100	ling	ind	28		79	DN80	5500	3200X1550X2000
ERC-250SWLH		ion	30	0.8	185			30		79	DN80	6500	3700X1700X2000
ERC-2505WLH			24	1.05	100			30		79	DINOU	6500	3700X1700X2000
EDO 070SIMILI			35.4	0.8	200	80		32		79	DNIGO	7000	44000475000450
ERC-270SWLH			28.5	1.05	200			32		79	DN80	7000	4100X1750X2150
EDO 220CIATUR			40.2	0.8	050	8		25		00	DNIAGO	7500	44000475000450
ERC-330SWLH			34.2	1.05	250			35		80	DN100	7500	4100X1750X2150

OIL FREE SINGLE SCREW WATER LUBRICATION AIR COMPRESSOR



Top Compression Structure in the World ---- Z Air End

- High-tech crystal.
- Widely used in the world.

"Z air end" is composed of one active rotor and two sets high-precision passive rotors, to achieve the characteristics of dynamic equilibrium, small vibration, low noise and long service life.

Oil Free ---- Totally Oil Free

ZREW oil free water lubrication screw air compressor is a kind of compressor that provides clean, pollution-free, 100% oil free screw air compressor, its zero emission can protect the environment efficiently

Water ---- Lubrication, Sealing and Cooling

Ideal isothermal compression

High efficiency (large air delivery)

No need the intercooler and after cooler

Low rotation speed Low noise, low vibration and no need the overdrive gear

Low viscosity of lubrication water Easy to be separated with the air

Reduce the Industrial Waste ---- Lessen the Burden on the Environment

- No use of oil, no waste oil to be dealed with.
- No use of oil filter and oil separator, which reduce the industrial waste, avoid the oil-gas explosion and reduce the risk of fire, reduce the pressure loss, energy saving and environmental protection. Green products is recommended in the era of energy crisis.
- No oil in the condensate water, no need for special treatment.

Single Stage Compression, High Efficiency, and Energy Saving, and Easy Maintenance

- Single stage compression makes the structure easy.
- Compression efficiency is higher than the two stage dry air compressor.
- Less consumable parts, easy to be disassembled, reduce the maintenance cost and time greatly.

To achieve the better energy saving effect, it is recommend to consider the below aspects during the installation:

- Reduce the pressure loss of the pipeline
- Reduce the cosumption of the pipeline air filter
- Avoid the pipeline leakage
- Control the most approproiate pressure for each branch pipe.
- Reduce the running current
- Reduce the accessory equipments

Model		Air	delivery / \	Working pr	essure	Motor power			Lubricaring water volume	Pipe diam.	Noise	Weight	Dime	nsion	(mm)
	8		m3/	min/bar		KW			L/min		Db(A)	Kg	L	W	H
ZRCW-10SA		1.1/7	1.0/8	0.85/10	0.7/12.5	7.5			12	3/4"	55	500	1300	800	1300
ZRCW-15SA		1.8/7	1.65/8	1.5/10	1.3/12.5	11			20	1"	56	540	1300	800	1300
ZRCW-20SA		2.4/7	2.2/8	2.1/10	1.8/12.5	15		_	26	1"	57	650	1600	910	1350
ZRCW-25SA		3.1/7	2.9/8	2.7/10	2.3/12.5	18.5		Ni cool	34	1"	58	840	1600	910	1350
ZRCW-30SA		3.8/7	3.6/8	3.2/10	2.5/12.5	22		Ai cooling:Ambient temperature	41	1"	58	870	1600	910	1350
ZRCW-40SA		5.3/7	5.0/8	4.3/10	3.6/12.5	30		nbien	55	1 1/4°	60	980	1950	1050	1432
ZRCW-50SA		6.6/7	6.2/8	5.7/10	4.6/12.5	37	co	temp	70	1 1/4°	60	1000	1950	1050	1432
ZRCW-60SA		8.0/7	7.7/8	6.9/10	6.0/12.5	45	Shaft coupling	eratur	87	1 1/2°	63	1060	2150	1300	1590
ZRCW-75SA		10.5/7	9.8/8	8.7/10	7.3/12.5	55	ouplir	e + 15	100	2°	65	1250	2150	1300	1590
ZRCW-100SW	Air co	13.6/7	13.0/8	11.6/10		75	- B	CW	100	2°	67	2030	2550	1400	1605
ZRCW-120SW	Air cooling/Water	16.2/7	15.5/8	14.0/10		90		ater c	250	Dn50	71	2030	2550	1400	1605
ZRCW-150SW	Vater	20.8/7	19.5/8	16.5/10		110		"C/Water cooling:	270	Dn65	73	2850	2550	1400	1605
ZRCW-175SW	cooling	24.0/7	23.0/8	20.0/10		132		:≤40°C	320	Dn65	2 1/2°	2850	2550	1400	1605
ZRCW-200SW	9	27.8/7	26.5/8	23.5/10		160)	360	Dn65	75	3750	3300	2200	2000
ZRCW-270SW		34.5/7	33.0/8	28.0/10		200			430	Dn80	77	4100	3300	2200	2000
ZRCW-330SW		43.0/7	40.0/8	37.0/10		250			540	Dn100	78	4750	3300	2200	2000
ZRCW-375SW		51.0/7	50.0/8	45.0/10		280			561	Dn125	78	5050	4000	2000	2100
ZRCW-420SW		56.0/7	55.0/8	49.0/10		315			616	Dn125	80	5300	4600	2300	2400
ZRCW-470SW	0	64.0/7	62.0/8	54.0/10		355			704	Dn150	83	5300	4600	2300	2400
ZRCW-550SW		73.0/7	70.0/8	61.0/10		400			803	Dn150	85	5450	5000	2350	2400
ZRCW-600SW		81.0/7	79.0/8	70.0/10		450			891	Dn175	85	5600	5500	2590	2800
ZRCW-670SW		89.0/7	87.0/8	77.0/10		500			979	Dn200	85	5600	5500	2590	2800

BELT LOW PRESSURE SCREW AIR COMPRESSOR





Low pressure screw compressor series is a new compressor produced according to the national policy of energy saving, emission reduction and environment protection. It changes the traditional compressor with relatively high pressure. It transfers the compressed air after pressure reduction to the air consumer, which wastes large amounts of energy.

The low pressure screw compressor can be distributed according to the air pressure of the user, to satisfy the process flow with minimum energy. The manufacturing cost of your product can be largely improved. For example, if your process system only needs 3bar pressure and the used compressor can provide 7bar, then it can be reduced to 3bar, it may take two times power to satisfy your process system. You can choose our low pressure screw compressor only to consume half of the power, and the air pressure in the process system can still be ensured, thus realizing energy saving and emission reduction.

Model		Air deli	very/Wo	orking pre	essure	Motor pow er					Cooling air volume	Cooling water volume	connect	Weight	Dim	ension(mm)
			m³/m	in/bar		KW					m3/	min	diam.	Kg	L	W	Н
ERC-10SA	3	1.5/5	1.87/4	1.9/3.5	2.1/3	7.5		53 - 53		B) - 3.	32.5		3/4"	460	850	640	880
ERC-15SA	33	2.4/5	2.7/4	2.7/3.5	3.2/3	11		72:			50		1'	460	1150	700	1180
ERC-20SA		3.3/5	3.5/4	3.6/3.5	4.2/3	15		₽5dB			50		1'	645	1150	700	1180
ERC-25SA		4.1/5	4.4/4	4.6/3.5	5.5/3	18.5		72±5dB(A),testing			110		1'	665	1200	850	1280
ERC-30SA	8	4.8/5	5.5/4	5.2/3.5	6.55/3	22		sting		3	110		1'	710	1380	850	1150
ERC-30SW	Þ	4.8/5	5.5/4	5.2/3.5	6.55/3	22				8		14.5	1"	710	1380	850	1150
ERC-40SA	air co	6.55/5	7.1/4	7.0/3.5	8.6/3	30		according		Ami	145		1 1/4"	1060	1380	850	1150
ERC-40SW	oolin	6.55/5	7.1/4	7.0/3.5	8.6/3	30	_	ㅎ		pient		20	1 1/4"	1060	1380	850	1150
ERC-50SA	g	7.9/5	9.0/4	8.5/3.5	10.7/3	37	Y-∆s	the ir	3	temp	145		1 1/4'	1150	1595	1000	1365
ERC-50SW	W-W	7.9/5	9.0/4	8.5/3.5	10.7/3	37	starting	international GB/T4980-2003	<3ppm	Ambient temperature+15°C		25	1 1/4"	1150	1595	1000	1365
ERC-60SA	ater c	10.5/5	11.6/4	9.4/3.5	13.8/3	45	D D	ation		ure+	185		1 1/2"	1750	1595	1000	1365
ERC-60SW	ooling	10.5/5	11.6/4	9.4/3.5	13.8/3	45		al GE		15°C		30	1 1/2"	1750	1595	1000	1365
ERC-75SA	BI	12.6/5	14.0/4	14.0/3.5	17.45/3	55		/Т49			220		2"	2030	2100	1250	1700
ERC-75SW		12.6/5	14.0/4	14.0/3.5	17.45/3	55		80-2		8		39.9	2*	2030	2100	1250	1700
ERC-100SA	1 39	17.3/5	19.0/4	20.5/3.5	22.2/3	75		003		2	250		DN65	3030	2545	1450	1900
ERC-100SW		17.3/5	19.0/4	20.5/3.5	22.2/3	75		standard				51	DN65	3030	2545	1450	1900
ERC-120SA	8	22.2/5	24.0/4	27.0/3	36.5/3	90		ard		3	270		DN80	3320	2545	1450	1900
ERC-120SW	33	22.2/5	24.0/4	27.0/3	36.5/3	90				8	- ×	61	DN80	3320	2545	1450	1900

DIRECT LOW PRESSURE SCREW AIR COMPRESSOR



Low pressure screw compressor series is a new compressor produced according to the national policy of energy saving, emission reduction and environment protection. It changes the traditional compressor with relatively high pressure. It transfers the compressed air after pressure reduction to the air consumer, which wastes large amounts of energy.

The low pressure screw compressor can be distributed according to the air pressure of the user, to satisfy the process flow with minimum energy. The manufacturing cost of your product can be largely improved. For example, if your process system only needs 3bar pressure and the used compressor can provide 7bar, then it can be reduced to 3bar, it may take two times power to satisfy your process system. You can choose our low pressure screw compressor only to consume half of the power, and the air pressure in the process system can still be ensured, thus realizing energy saving and emission reduction.

Model		Air de	elivery /\/ pressur	-	Motor power					Coolin g air volum e	Coolin g water volum e	connect pipe diam.	Weight	Dime	ension	(mm)
		r	n³/min/b	ar	KW					m ³ /	min	ulaili.	Kg	L	W	Н
ERC-30SA		3	5.5/4	6.55/3	22			П		110		1 1/4°	725	1380	850	1150
ERC-30SW			5.5/4	6.55/3	22						14.5	1 1/4"	725	1380	850	1150
ERC-40SA		6.55/5	7.1/4	8.6/3	30				1	145	3	1 1/4"	1060	1380	850	1150
ERC-40SW		6.55/5	7.1/4	8.6/3	30				8		20	1 1/4"	1060	1380	850	1150
ERC-50SA		7.9/5	9.0/4		37				0	145		1 1/2°	1150	1595	1000	1365
ERC-50SW		7.9/5	9.0/4		37						25	1 1/2*	1150	1595	1000	1365
ERC-60SA		5 8		13.8/3	45				2	185	3	1 1/2"	1750	1595	1000	1365
ERC-60SW				13.8/3	45				8		30	1 1/2"	1750	1595	1000	1365
ERC-75SA				17.45/3	55					220		2*	2030	2100	1250	1700
ERC-75SW				17.45/3	55		825455				39.9	2*	2030	2100	1250	1700
ERC-100SA		17.3/5	19.0/4	22.2/3	75		72±5		2	250	3	DN65	3030	2545	1450	1900
ERC-100SW		17.3/5	19.0/4	22.2/3	75		testi		8		51	DN65	3030	2545	1450	1900
ERC-120SA		22.2/5	24.0/4	27.0/3	90		ng a			270		DN80	3320	2545	1450	1900
ERC-120SW	_	22.2/5	24.0/4	27.0/3	90		corc				61	DN80	3320	2545	1450	1900
ERC-150SA	A-Air	23.5/5	26.0/4	32.0/3	110		ling t		Amt	420		DN80	3780	2650	1550	1900
ERC-150SW	cooling	23.5/5	26.0/4	32.0/3	110	~	o the	١,	pient	()	79	DN80	3780	2650	1550	1900
ERC-175SA	ng W	26.4/5	30.9/4	38.4/3	132	s Q	inter	3	temp	460		DN100	4930	3150	1950	2020
ERC-175SW	W-Water cooling	26.4/5	30.9/4	38.4/3	132	Y-∆ starting	72±5,testing according to the international GB/T4980-2003	<3ppm	Ambient temperature+15°C		91	DN100	4930	3150	1950	2020
ERC-200SA	er co	32.0/5	39.5/4	45.3/3	160	9	nal C		ıre+1	510	3	DN100	5450	3400	1950	2020
ERC-200SW	oling	32.0/5	39.5/4	45.3/3	160		эвл-		2°C		105	DN100	5450	3400	1950	2020
ERC-250SA	06/0/82	37.0/5	43.0/4	54.0/3	185		1980-		9	510		DN125	6100	4000	2000	2100
ERC-250SW		37.0/5	43.0/4	54.0/3	185		2000				123.5	DN125	6100	4000	2000	2100
ERC-270SA		40.0/5	46.5/4	55.7/3	200		3 star		1	620	3	DN125	7500	4000	2000	2100
ERC-270SW		40.0/5	46.5/4	55.7/3	200		standard				131	DN125	7500	4000	2000	2100
ERC-300SA		44.0/5	51.0/4	64.0/3	220					710		DN150	8100	4600	2300	2400
ERC-300SW		44.0/5	51.0/4	64.0/3	220						144	DN150	8100	4600	2300	2400
ERC-330SA		50.0/5	58.0/4	73.0/3	250					800		DN150	8400	5000	2350	2400
ERC-330SW		50.0/5	58.0/4	73.0/3	250						163	DN150	8400	5000	2350	2400
ERC-375SA		56.0/5	65.0/4	81.0/3	280				3	890		DN175	9000	5500	2590	2800
ERC-375SW		56.0/5	65.0/4	81.0/3	280						202	DN175	9000	5500	2590	2800
ERC-420SA		63.0/5	73.0/4	91.0/3	315				8	960		DN175	9500	5500	2590	2800
ERC-420SW		63.0/5	73.0/4	91.0/3	315				9		212	DN175	9500	5500	2590	2800
ERC-470SA		69.5/5	81.5/4	102.0/3	355					1130		DN200	10000	6500	2700	3000
ERC-470SW		69.5/5	81.5/4	102.0/3	355						243	DN200	10000	6500	2700	3000

HIGH PRESSURE SCREW AIR COMPRESSOR



MODEL	1	Compression	Air Delivery	Pressure	Motor Pow er	Oil Content	Outlet	Noise	Outlet	Weight	Dimention
MODEL	500	Level	(m3/min)	(MPa)	(kw)	(ppm)	Temp.	db(A)	Connection	KG	mm
ERC-150UAL	0 9	single	11	1.7	110	3	a+15	75	DN50	3500	2500X1500X1900
ERC-175UAL		single	13	1.7	132	3	a+15	75	DN50	3500	2500X1500X1900
ERC-270UAL		single	22	1.7	200	3	a+15	75	DN65	4800	2850X1750X2000
ERC-330UAL	. 1	single	26	1.7	250	3	a+15	75	DN80	5450	3150X2000X2000
ERC-270UAL	Air cooling	Double	21	2	200	3	a+15	78	DN65	5000	2850X1750X2000
ERC-375UAL	olin	Double	25	2.5	280	3	a+15	78	DN65	7000	4000X2000X2100
ERC-470UAL	g	Double	33	2.5	355	3	a+15	79	DN65	8000	4600X2300X2400
ERC-375UAL		Double	22.8	3	280	3	a+15	78	DN50	7000	4000X2000X2100
ERC-250UAL		Double	12.5	4	185	3	a+15	78	DN40	3780	2650X1600X1950
ERC-375UAL		Double	20	4	280	3	a+15	78	DN50	6000	4000X2000X2100
3.	?	G	E								

ELECTRIC PORTABLE AIR COMPRESSOR



Electric portable screw air compressor series is widely used in various industries. It is of high volumetric efficiency, smooth running, advanced performance, good stability, little quick-wear parts and convenient operation and maintenance.

Model	2 0	Air d	elivery /	Working p	ressure	Motor pow er					Cooling volume	Pipe diam.	Weight	Din	nension	(mm)
			m³/	/min/bar		KW					m³/min		Kg	L	W	Н
ERC-30SA		3.8/7	3.6/8	3.2/10	2.5/12.5	22		72±5,			110	12	1050	1800	1400	1300
ERC-50SA		6.6/7	6.2/8	5.7/10	4.6/12.5	37		72±5, tested a			145	1 1/4"	1320	2200	1400	1400
ERC-75SA		10.5/7	9.8/8	8.7/10	7.3/12.5	55		according)	Ambie	220	2"	3500	3000	1700	1850
ERC-100SA	Air co	13.6/7	13.0/8	11.3/10	10.1/12.5	75	Y-Ast	=	^3	Ambient temperature	250	2"	3580	3000	1700	1850
ERC-120SA	Air cooling	16.2/7	15.4/8	13.2/10	11.2/12.5	90	starting	the interna	<3 ppm	200	270	2*	3680	3500	1700	1850
ERC-150SA		20.8/7	19.5/8	16.5/10	13.7/12.5	110		international GB/T4980-2003 dard		+15°C	420	DN65	3880	4200	1700	2200
ERC-175SA		24.0/7	23.0/8	20.0/10	15.5/12.5	132		В/Т498(460	DN65	4100	4200	1700	2200
ERC-330SA		43.0/7	40.5/8	36.5/10	32.0/12.5	250		0-2003			800	DN100	6100	5400	2000	2500

ELECTRIC PORTABLE SCREW AIR COMPRESSOR



Model	Air Delivery (m3/min)	Working Pressure (Bar)	Power (Kw)	Connection Size (inch)	Start Mode(1)	Start Mode(2)	Dimension L×W× H(MM)	Weight (KG)
EG18	3	8	18.5	G11/4	Y- △	Soft starting	1680×760×1157	750
EG22	3.6	8	22	G11/4	Y- Δ	Soft starting	1680×760×1157	780
EG30	5	8	30	G11/2	Y-A	Soft starting	1828×920×1178	850
EG40	6.2	8	40	G11/2	Y-∆	Soft starting	1828×920×1178	1100
EG45	7.7	8	45	G11/2	Y- △	Soft starting	1828×920×1178	1200
EG55	9.8	8	55	G11/2	Y -△	Soft starting	2500×1000×1500	1450
EG65	9.6	10	65	G11/2	Y -∆	Soft starting	2500×1000×1500	1500

DIESEL PORTABLE AIR COMPRESSOR



Cummins Engine GHH Air End

The Diesel portable air compressor used Cummins Engine and GHH AIR END, make sure the air delivery and work efficience, also meet the overload using and the most harsh field environment.

GHH AIR End

German GHH air end use tThe latest type asymmetric tooth design, big rotor, low speed, make sure the high compression efficiency, low energy consumption, performance excellence

High elastic coupling straight league

Air end and Engine through the High elastic coupling straight league, No increase gear and better reliability, the rotational speed consistent with diesel engines (not more than 2200 r/min), longer life

Brake

Travel mechanism of the machine increased the manual brake also can choose the automatic brake.

Increase the fault sound and light alarm devices,

Such as failure effect it will produces similar with a police car alarm

Low noise

Using the labyrinth ventilation system

Using external doors, built-in chain

So that increase the Aesthetic feeling and stereo feeling.

The negater style air control system is brief and reliable

It realizes the air delivery's continuously automatic adjustment from 0 to 100%, and makes the rotation speed of diesel engine during the idling and rated rotation speed, thereby save energy.

German MANN air filter, oil filter and oil separator

Ensure the suction and discharge air quality of diesel engine and compressor, and the quality of lubricating oil. They help the compressor suitable to be used in poor environment, such as environment full of dusty and high humidity.

Heat insulation and protection

High efficient insulation sleeve is used in the discharge pipeline of diesel engine, it has the functions of heat insulation and protection, avoiding the human getting burned.

Satisfy low temperature or high altitude

The compressor unit is installed with air intake preheater. Moreover, to solve the problem of diesel engine which is hard to start when used in low temperature or high altitude district, the cold starting equipment such as fuel heater and coolants heater is for option.

Moving convenient

The compressor unit is installed with air intake preheater. Moreover, to solve the problem of diesel engine which is hard to start when used in low temperature or high altitude district, the cold starting equipment such as fuel heater and coolants heater is for option.

Instrument electric control system

Instrument electric control system helps the compressor adopting to work under poor environment at minus 40 degrees in the wild. It can ensure the parameters of diesel engine, such as the oil pressure, water temperature, rotation speed, oil level, discharge temperature of air compressor, discharge pressure and etc, to work normal and alarm when failed.

Operation, maintenance both are convenient

All kinds of safety light makes running status be clear at a glance and equipped with automatic stop and alarm lamp device.

Spacious side, front and rear door make the maintenance of air filter, oil filter and check the control be more convenient. The repaired parts are within reach, easy convenience, reduced downtime.

Humanized Design

The traction pull-tab is suitable for different traction equipments, lifting rod can greatly reduce operating strength while its pedal frame and handle is convenient for overhaul.

Attractive Appearance and Anti-corrosion

P.GTE

The shutters on the cover make the equipment own much better Ventilation& cooling and appearance. The high-quality cold-rolled steel plates with high temperature paint outside ensure the equipment's service durability and best anti-corrosive property.

Clear and Simple Pipes:

Main pipes adopt iron pipe and are not easy to damage. The exhaust pipe of screw air end uses iron and corrugated metal combined pipe, which meets air compressor vibration demands and also convenient for maintenance.

Tank:

Subsided structure to install the oil tank, placed around each one, Increase oil reserves, make the add oil time interval longer, the weight on both sides are balanced. Tank not in the case, make the space more and not only bring convenience to maintenance service, noise is reduced accordingly, but also giving the customer a good value feeling.

Model	1	Compress	(40)	i i	1 198	Diesel	Unload	1 500 3000		
		Air delivery	Exhaust pressure	Shaft Pow er		Pow er	Loading Speed	Speed	Model	
3 3	. Z	m3/min	bar	KW	15	KW	rpm	rpm	v.	
		35	35 20		Cummins	392(2100)	1900	1300	KTA19-C525	
ERC- 550SALCY	Two-stage compression	33		300	Yuchai	404	1900	1300	YC6K550L	
	225000000000000000000000000000000000000	25	24		Cummins	392(2100)	3		KTA19-C525	
		26	20	5	Cummins	298	2200	1500	NTA855-P400	
ERC- 400SALCY	Two-stage compression	20	25	233	Yuchai	M675-0	2000	1500	YC6M395L- K20(288/2100)	
1000, 201	Somprossion.	2500	35000000	į.	Cummins	294	1900	1300	EQR400-K20	
		25	1.8	3	Cummins	276	1900	1300	EQR375-33	
	+0000000000000000000000000000000000000	20	20		Cummins	264(2200)	2100	1500	6LTAA8.9-C360	
ERC-	Two-stage compression	20	20	200	Yuchai	250	2100	1400	YC6M340-K20	
360SALCY		22	20		Cummins	264	1800	1400	6LTAA8.9-C360	
	Single Compression	25	12	199	Cummins	264	2200	1500	6LTAA8.9-C360	
ERC-	Two-stage				Cummins	250	1900	1300	EQR340-	
340SALCY	CT (S) THE SECTION (S) THE SECTION (S)	20 20		190	Yuchai	288/2100	1900	1300	33/YC6M395-K20	
	Two-stage	18	20	190						
ERC-	compression	21	19	190		239	2200		6LTAA8.9-C325	
325SALCY	Single	22	13	180	Cummins			1500		
	Compression	25	10	2						
ERC- 260SALCY	Single Compression	25	8	155			2200	1500		
		22	10	153	Cummins	194	2000	1500	6CTA8.3-C260	
		17	17	160			1800	1300	33	
ERC- 240SALCY	Single Compression	22	8	140	Cummins	178	2200	1500	6CTA8.3-C240	
	Single	13	17	128			2200	1500		
ERC-		15	13	128	Cummins	160	2000	1500	6CTA8.3-C215	
215SALCY	Compression	16.5	10	128			50		-	
		22	7	120			2100	1500	0	
10 (20 (20))	Single Compression	13	13	105			2200	1500	-	
ERC- 180SALCY		15 10	0.50	405	Cummins	132	2100	1500	6BTA5.9-C180	
1003/201	Compression	15.5/16 17	8 7	105			2500/2200	1500 1500	-	
3 • •	9	12	8	79			2300	1300	3	
ERC-	Single	12	10	88		1700000	2200	(4)		
	Compression	10 13		88	Cummins	110	2300	1500	6BT5.9-C150	
	A0 3	8.5	14.5	88			2300			
		10	10	70		93				
ERC-	Single	11.5	0.8	74.5	Ou	93	2200	1500	4DT40.0.0405	
	Compression	12	0.7	70	Cummins	93			4BTA3.9-C125	
		8	14	72		93	2000	1500	9	
`		7.5	10	55		75	2400	1600	4BT3.9-C100	
	Single	7.5	8	50	Cummins	75	2400	1600	4D13.3-0100	
ERC-	30) 1700 KB 21		7	55	2	77	2800	1600	4BT3.9-C105	
	Single Compression	9	931	77.550.50			2000			
	30) 1700 KB 21	6	12	52			3		(i)	
100SALCY	Compression	6	12 10	52 42			10		0	
	30) 1700 KB 21	6	12	52	Cummins	60	2000	1500	4BT3.9-C80	

DIESEL PORTABLE SCREW AIR COMPRESSOR



	1						1			1	
Model	Air Delivery m3/min	Working Pressure bar	Fuel Tank Capacity L	Connection Diameter in	Engine Model	Manufacture	Engine Power kw	Rotation Speed rpm	Accumulator Voltage	Dimension (L*W*H) mm	Weight Kg
EL135	3.6	7	48	2*G3/4	YSD490	YTO	33	2400	24	2910*1526*1430	950
EL185	5.2	7	85	G3/4, G 1 1/4	Y1400G	YTO	42	2200	24	3315*1607*1583	1200
EL265	7	7	85	G3/4, G 1 1/4	Y4102ZG	YTO	55	2200	24	3315*1607*1583	1350
EL300	8.5	14	120	G1, G1 1/2	6BTA5.9	Cummins	97	2000	24	3900*1980*1950	2000
EL400	11	13	210	G1, G1 1/2	6BTA5.9	Cummins	110	2200	24	4200*1520*2268	2300
EL460	13	13	300	G1, G1 1/2	6BTA5.9	Cummins	132	2200	24	4300*1300*1950	2500
EL550	15	13	320	G1, G1 1/2	6BTA5.9	Cummins	132	2500	24	4500*1400*1950	2600
EL600	17	14	360	G1, G1 1/2	6BTA8.3	Cummins	179	1800	24	5200*1960*2300	2800
EL700	18	17	360	G1 1/2, G2	6BTA8.3	Cummins	194	1800	24	5200*1960*2300	2800
	21.2	14	380	G1 1/2, G2	6BTA8.9	Cummins	239	1800	24	5200*2060*2480	5600
EL750	21.2	20	380	G1 1/2, G2	6BTA8.9	Cummins	260	1800	24	5200*2060*2480	6200
EL900	23.3	14	410	G1 1/2, G2	6BTA8.9	Cummins	239	2100	24	5200*2060*2480	5800
EL1070	30	24	480	2*G2 1/2	6BTA9.8	Cummins	348	1800	24	5500*2300*2500	6800

COMBINED SCREW AIR COMPRESSOR



The combined screw air compressor integrates the parts including screw compressor, freeze drier, fine filter and air tank, making it convenient for the user to install, use and move. After the air pass the integrated system, the quality of the air is made largely better to satisfy process requirements of various companies. It is of beautiful appearance, stable performance and economy. It is one of the important series exported by our company.

Model ≱	A	Air o	lelivery /	Working p	pressure	Motor pow er			Cooling air /w ater volume	connect pipe diam.	air tank	Air dryer	Capacity	Precision filter	W.	Dime	ension(i	mm)	
			m ³	/min/bar		KW	1		m3/min		m ³		m3/min		Kg	L	W	Н	
ERC-10SA	cooling	1.1/7	1.0/8	0.85/10	0.7/12.5	7.5	-8		32.5	3/4'	0.5	ELH- 10HA	1.5	END012	680	1650	730	1530	
ERC-15SA	250	1.8/7	1.65/8	1.5/10	1.3/12.5	11			50	1'	0.5	ELH- 15HA	2	END024	785	1955	800	1800	
ERC-20SA	W-wate	2.4/7	2.2/8	2.1/10	1.8/12.5	15	Y-∆ s	<u><3</u>	50	1'	0.5	ELH- 20HA	2.5	END024	810	1955	800	1800	
ERC-25SA	0	3.1/7	2.9/8	2.7/10	2.3/12.5	18.5	starting	3ppm starting	ppm	110	1'	0.5	ELH- 30HA	3.8	END035	910	1900	1070	2012
ERC-30SA	gn	3.8/7	3.6/8	3.2/10	2.5/12.5	22			110	1 1/2"	0.6	ELH- 30HA	3.8	END035	930	1960	1070	2012	
ERC-30SW	200	3.8/7	3.6/8	3.2/10	2.5/12.5	22			14.5	1 1/2"	0.6	ELH- 30HA	3.8	END035	930	1960	1070	2012	

72±5dB(A),testing according to the international GB/T4980-2003 standard

Ambient temperature+15℃

SCROLL AIR COMPRESSOR



Elang scroll air compressor is a unique design, the world today has become energy-saving compressor, scroll air compressor main moving vortex disk only tooth no war and tear, and longer service life, known as the free repair compressor. Scroll compressor stable movement, small vibration, working environment is halcyon, also known as the "super quiet compressor".

Quality first

ELANG compressor product quality fully reflects the most modern technology, its design and manufacturing processes are executed in accordance with the requirements of ISO9001 standard, the products meet environmental requirements, quality assurance, safety and reliability, long service life.

Space saving and environmental protection

The products has compact structure, smaller size, with less occupation of the land, lower noise and vibration, it can be installed in any place where you need it, even in the production area can be used.

Easy installation and running simple

When the compressor is delivered from the factory, the machine is filled with compressed oil. If the installation is in place, turn on the power, it will put into operation. LCD screen with backlight, clearly shows the operation state of the compressor.

Cost reduction and energy saving

Using intelligent control system and fully automatic load/unload regulation can guarantee air compressor to run according to the demand of compressed air, reduce the operation cost and energy consumption.

	Rated power	Working Pressure	Air Delivery	No. of air	Connection	Noise
Model	kW	bar	m3/min	end	Diameter	±3dB(A)
WAX-2.2/8	2.2	8/8.5	0.25	1	G1/2	46
WAX-2.2/10	2.2	10/10.5	0.2	1	G1/2	46
WAX-3.7/8	3.7	8/8.5	0.4	1	G1/2	48
WAX-5.5/8	5.5	8/8.5	0.6	1	G1/2	50
WAX-5.5/10	5.5	10/10.5	0.5	1	G1/2	50
WAX-7.7/8	7.7	8/8.5	0.88	2	G3/4	53
WAX-7.7/10	7.7	10/10.5	0.7	2	G3/4	53
WAX-11/8	11	8/8.5	1.2	2	G3/4	56
WAX-11/10	11	10/10.5	1	2	G3/4	56
WAX-16.5/8	16.5	8/8.5	1.7	3	G1	58
WAX-16.5/10	16.5	10/10.5	1.4	3	G1	58
WAX-18.7/8	18.7	8/8.5	2	4	G1/1/4	60
WAX-18.7/10	18.7	10/10.5	1.8	4	G1/1/4	60
WAX-22/8	22	8/8.5	2.5	4	G1/1/4	61
WAX-22/10	22	10/10.5	2.2	4	G1/1/4	61
WAX-30/8	29.7	8/8.5	3.25	6	G1/1/2	62
WAX-30/10	29.7	10/10.5	2.7	6	G1/1/2	62
WAX33/8	33	8/8.5	3.6	6	G1/1/2	63
WAX33/8	33	10/10.5	3	6	G1/1/2	63