

## DIRECT SCREW AIR COMPRESSOR



### 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 an involute cambered surface, which effectively avoids stress concentration and improves 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.

J.P.G TECHNOLOGY CO., LTD

Model	Air delivery /Working pressure				Motor power	7±5,testing according to the international GBT 4980-2003 standard	Y-Δ starting	Ambient temperature+15℃	Cooling air volume	Cooling water volume	connect pipe diam	Weight	Dimension(mm)					
	m³/min/bar												KW	m³/min	Kg	L	W	H
ERC-30SA	3.8/7	3.6/8	3.2/10	2.5/12.5	22			110		1 1/4"	640	1380	850	1150				
ERC-30SW	3.8/7	3.6/8	3.2/10	2.5/12.5	22				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				20	1 1/4"	900	1380	850	1150				
ERC-50SA	6.6/7	6.2/8	5.7/10	4.6/12.5	37			145		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				30	1 1/2"	1150	1595	1000	1365				
ERC-75SA	10.5/7	9.8/8	8.7/10	7.3/12.5	55			220		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				51	2"	1840	2100	1250	1700				
ERC-120SA	16.2/7	15.4/8	13.2/10	11.2/12.5	90			270		2"	2030	2100	1250	1700				
ERC-120SW	16.2/7	15.4/8	13.2/10	11.2/12.5	90				61	2"	2030	2100	1250	1700				
ERC-150SA	20.8/7	19.5/8	16.5/10	13.7/12.5	110			420		DN65	2920	2545	1450	1900				
ERC-150SW	20.8/7	19.5/8	16.5/10	13.7/12.5	110				79	DN65	2920	2500	1550	1900				
ERC-175SA	24.0/7	23.0/8	20.0/10	15.5/12.5				460		DN65	3200	2545	1450	1900				
ERC-175SW	24.0/7	23.0/8	20.0/10	15.5/12.5					91	DN65	3200	2500	1550	1900				
ERC-200SA	27.8/7	26.0/8	23.5/10	19.5/12.5	160			510		DN65	3600	2650	1550	1920				
ERC-200SW	27.8/7	26.0/8	23.5/10	19.5/12.5	160				105	DN65	3600	2650	1550	1920				
ERC-250SA	32.5/7	31.0/8	26.0/10	21.6/12.5	185			510		DN80	3780	2650	1550	1920				
ERC-250SW	32.5/7	31.0/8	26.0/10	21.6/12.5	185				123.5	DN80	3780	2650	1550	1950				
ERC-270SA	34.5/7	33.0/8	28.0/10	23.5/12.5	200			620		DN80	4400	2850	1700	2000				
ERC-270SW	34.5/7	33.0/8	28.0/10	23.5/12.5	200				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				144	DN100	4930	3400	1950	2020				
ERC-330SA	43.0/7	40.5/8	36.5/10	32.0/12.5	250			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			890		DN125	6150	4000	2000	2100				
ERC-375SW	51.5/7	50.0/8	45.0/10	37.0/12.5	280				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	64.0/7	62.0/8	54.0/10	46.0/12.5	355			1130		DN150	8100	4600	2300	2400				
ERC-470SW	64.0/7	62.0/8	54.0/10	46.0/12.5	355				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				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	102.0/7	98.0/8	87.0/10	77.0/12.5	560				387	DN200	10000	6500	2650	3000				

Voltage V/ HZ /PH : 380/50/3 220/60/3 440/50/3 etc or Two kinds of voltage reverse According to customer inquiry