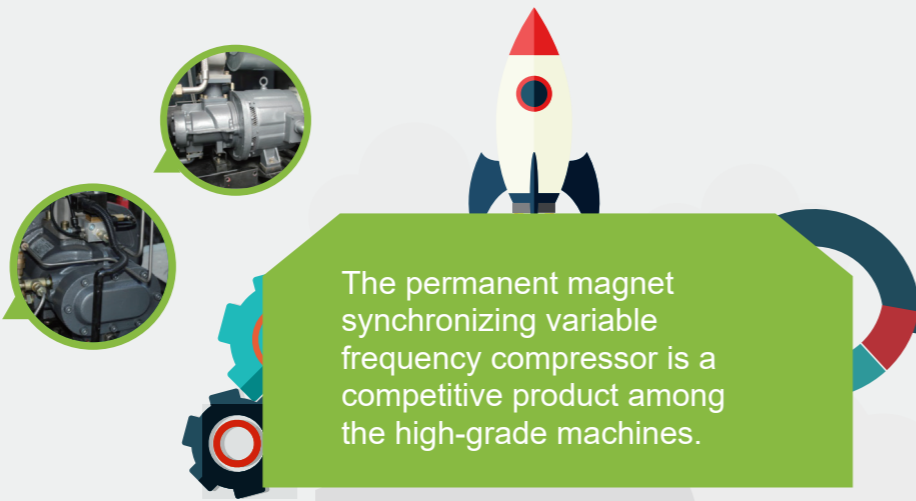
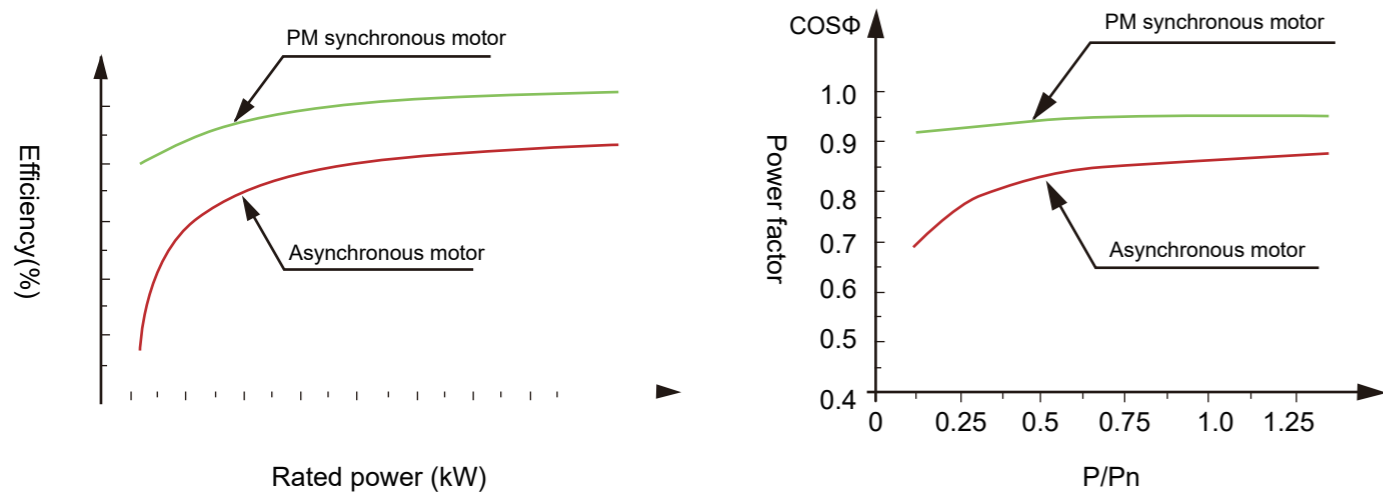


PERMANENT MAGNET VARIABLE FREQUENCY SCREW COMPRESSOR



PM motor has 2~ to 7% higher working efficiency than three-phase asynchronous motor. No matter in underloading or overloading conditions, PM compressors keep high working efficiency while three-phase asynchronous motor will have fluctuant efficiency according to the loading conditions. Therefore, compressors with PM motor will save 8% to 30% energy than those with three-phase asynchronous motor.

Specialized PM motor has power factor large than 0.95, even close to 1 in some models. Moreover, PM compressors are installed with frequency converter to realize variable frequency starting and decrease the impact to compressor unit and power grid during starting, so as to save operation costs.



SPECIFICATIONS (FOR PM COMPRESSOR)

Type of Driving: Direct driven

Type of Cooling: Air Cooling/Water Cooling

Model	Working Pressure		Air Delivery		Motor Power	Dimension(mm)			Weight(kg)	Output Pipe Diameter
	psi(g)	bar(g)	cfm	m ³ /min		L	W	H		
ERC-10SA	116	8	0-35.3	0-1.0	7.5/10	850	640	880	350	3/4"
	145	10	0-30.0	0-0.85						
ERC-15SA	116	8	0-58.3	0-1.65	11/15	1150	750	1180	450	1"
	145	10	0-53.0	0-1.5						
ERC-20SA	116	8	0-77.7	0-2.2	15/20	1150	750	1180	460	1"
	145	10	0-74.2	0-2.1						
ERC-25SA ERC-25SW	116	8	0-102.4	0-2.9	18.5/25	1200	850	1280	665	1"
	145	10	0-95.3	0-2.7						
ERC-30SA ERC-30SW	116	8	0-127.1	0-3.6	22/30	1200	850	1280	665	1"
	145	10	0-113.0	0-3.2						
ERC-40SA ERC-40SW	116	8	0-176.6	0-5.0	30/40	1450	1000	1465	1100	1 1/4"
	145	10	0-151.8	0-4.3						
ERC-50SA ERC-50SW	116	8	0-218.9	0-6.2	37/50	1450	1000	1465	1100	1 1/4"
	145	10	0-201.3	0-5.7						
ERC-60SA ERC-60SW	116	8	0-271.9	0-7.7	45/60	1450	1000	1465	1750	2"
	145	10	0-243.6	0-6.7						
ERC-75SA ERC-75SW	116	8	0-346.0	0-9.8	55/75	2100	1250	1700	1750	2"
	145	10	0-307.2	0-8.7						
ERC-100SA ERC-100SW	116	8	0-459.0	0-13.0	75/100	2100	1250	1700	1840	2"
	145	10	0-399.0	0-11.3						
ERC-120SA ERC-120SW	116	8	0-543.8	0-15.4	90/120	2170	1320	1750	2030	2"
	145	10	0-466.1	0-13.2						
ERC-150SA ERC-150SW	116	8	0-688.5	0-19.5	110/150	2545	1500	1900	3100	DN65
	145	10	0-582.6	0-16.5						
ERC-175SA ERC-175SW	116	8	0-812.1	0-23.0	132/175	2545	1500	1900	3400	DN65
	145	10	0-706.2	0-20.0						

Certification: CE/ISO9001/TUV/UL/SGS/ASME
Voltage: 110V~660V 50Hz/60Hz 3Ph available.