

9. Large Size Energy Saving SCR-EPM AND EPM2 Screw Compressors Range

SCR025EPM (18.5kw) – SCR150EPM2 (110kw)

Unique Designed Dual Layer Oil Cooled PM Motor (up to SCR060EPM, SCR075EPM2 to SCR150EPM2 is liquid cooled)
The PM motor has a cooling jacket and uses the compressor's oil cooling circuit to keep the motor cool, even at prolonged periods of low-speed operation. The IP65 motor is ideal for dusty or poor environments. The PM motor do not use traditional bearings, making the motor maintenance-free.

High Efficiency Air End

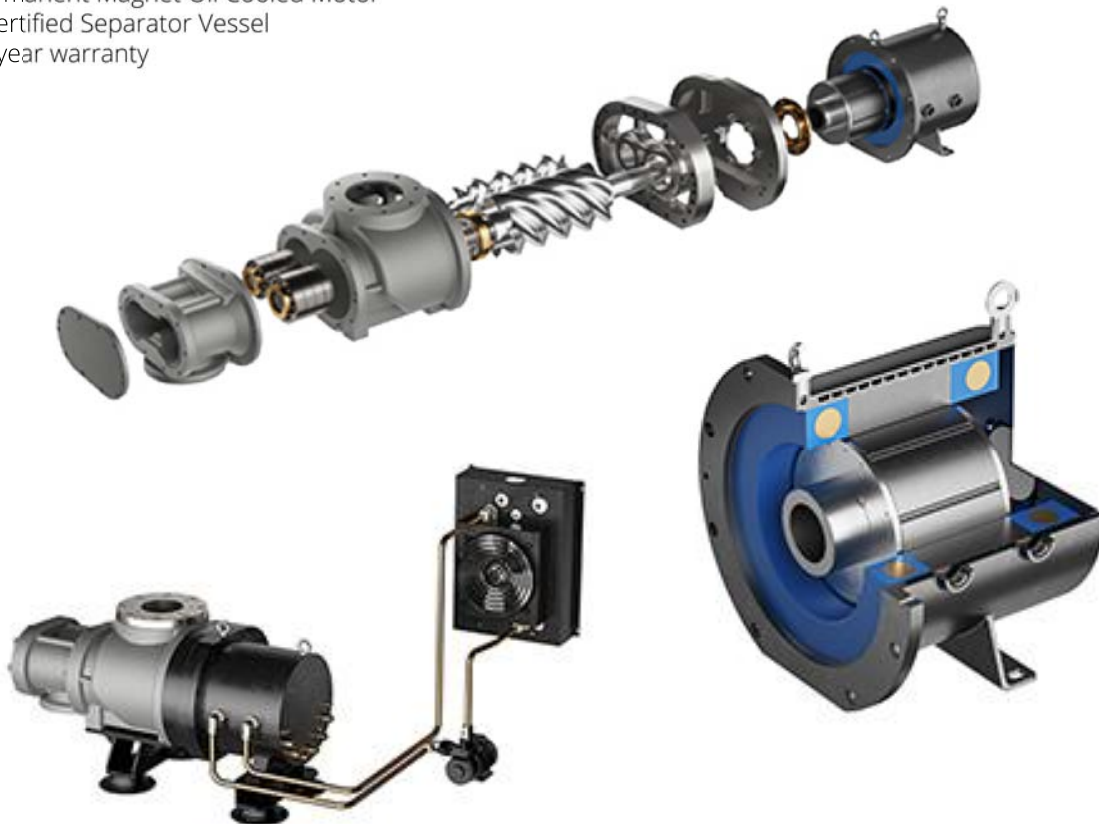
The asymmetrical rotor profile allows for a broader sealing band between rotors, compared to the conventional narrow line style seal in most other air ends. This increases efficiency by 5% - 10%. The use of large diameter rotors allows for high efficiencies even at low rotational speeds, providing tangible benefits, such as low noise and extended longevity.

Latest Touch Screen PLC Controller

The latest touch screen interface allows simple intelligent control for your compressor. Pressure and scheduling times can be easily programmed, allowing you to automatically start and stop the compressor to match production times.

Features at a Glance

- High efficiency, Oversized Air End that produces more Air with less KW's
- Designed for high ambient temperatures
- Synthetic Coolant
- Special Dual Housing Oil Cooled Motor (EPM), Liquid Cooled (EPM2)
- Vector Control Technology
- Siemens switchgear
- Leak proof rigid steel oil piping
- IP65 Permanent Magnet Oil Cooled Motor
- ASME Certified Separator Vessel
- Two (2) year warranty



SCR-EPM AND EPM2 Screw Compressors

SCR EPM AND EPM2 RANGE TECHNICAL DATA													
Type	Power	Working Pressure	Rated air displacement		Noise Db (A) ± 3	Air outlet pipe diameter	Drive mode	Cooling mode	Oil volume /Synthetic Oil	Main motor		Machine size: L×W×H (MM)	Machine weight: KG
	KW/HP	BAR	M3/min	CFM						Rated motor :AMPS	Protection Level		
SCR025EPM	18.5 / 25	7	3.7	130	≤ 64 ± 3	1"	Direct Drive	Oil Cooling	16 L	40 A	IP65	1200 800 1100	480
		8	3.5	123									
		10	2.9	102									
SCR030EPM	22 / 30	7	4.1	144	≤ 66 ± 3	1"	Direct Drive	Oil Cooling	17 L	46 A	IP65	1200 800 1100	560
		8	4.0	141									
		10	3.5	123									
SCR040EPM	30 / 40	7	6.2	218	≤ 68 ± 3	1 ½"	Direct Drive	Oil Cooling	27 L	59 A	IP65	1300 950 1370	830
		8	6.1	215									
		10	5.2	183									
SCR050EPM	37 / 50	7	7.3	257	≤ 69 ± 3	1 ½"	Direct Drive	Oil Cooling	29 L	74 A	IP65	1300 950 1370	850
		8	7.2	254									
		10	6.3	222									
SCR060EPM	45 / 60	7	9.4	331	≤ 70 ± 3	1 ½"	Direct Drive	Oil Cooling	29 L	93 A	IP65	1300 1030 1520	890
		8	9.3	328									
		10	8	282									
SCR075EPM2	55 / 75	7	12	423	≤ 76 ± 3	2"	Direct Drive	Liquid Cooling	55 L	118 A	IP65	1800 1200 1650	1450
		8	11	388									
		10	10	353									
SCR090EPM2	63 / 90	7	12.7	448	≤ 76 ± 3	2"	Direct Drive	Liquid Cooling	55 L	132 A	IP65	1800 1200 1650	1490
		8	12.5	441									
		10	11	434									
SCR100EPM2	75 / 100	7	16.3	575	≤ 78 ± 3	DN65	Direct Drive	Liquid Cooling	78 L	146 A	IP65	2280 1500 1950	2010
		8	16	565									
		10	13.7	483									
SCR125EPM2	90 / 125	7	20	706	≤ 78 ± 3	DN65	Direct Drive	Liquid Cooling	78 L	185 A	IP65	2280 1500 1950	2050
		8	19	670									
		10	16.5	582									
SCR150EPM2	110 / 150	7	24.5	865	≤ 78 ± 3	DN80	Direct Drive	Liquid Cooling	78 L	260 A	IP65	2800 1750 1692	2900
		8	24	847									
		10	21	741									

Please note: Slow curve breaker sizes must be determined by a qualified electrician. Rule of thumb is 2 - 2.2 times the kW rating for the unit.