

13. Large Power Compressors SCR-I and SCR-II Screw Compressors

SCR125II (90kw) – SCR375I (280kw) Compressor Range

German High Quality Centrifugal Fan

German ROSENBERG's newest centrifugal fans, big cooling air volume, stable and uniform air pressure, full use of the heat dissipation area, good cooling effect. Totally conquer the problem of big horse power air cooling type compressors poor cooling effect problems.

High quality air inlet valve

We use a high quality imported inlet valve. We have adopted this technology because when the machine unloads, the device will automatically adjust the exhaust pressure. Compared with similar products this greatly reduces the unload power and also reduce the bearing load at the same time, improving the bearing service life.

American high quality air filter system

High quality high efficiency specialized motor

High efficiency all closed air cooling air compressor specialized motor. Protection grade IP55 optional, insulation grade F, class B temperature rise, can prevent dust and moisture from getting into the motor.

SKF bearings are used to ensure long-term continuous trouble-free operation.

Features at a Glance

- High Efficiency Air End
- Designed for High Ambient Temperatures
- Low rotational speeds = long life
- Synthetic Coolant (triple oil separation process)
- Leak proof rigid steel piping
- IP55 motor (optional)
- Generously dimensioned inlet filter
- Centrifugal fan cooled
- Optimized bearing for longer lifespan
- ASME Certified Separator Vessel
- Two (2) year mechanical warranty on compressor



SCR-I and SCR-II Screw Compressors



SCR-I AND SCR-II RANGE TECHNICAL DATA												
Type	Power	Work Pressure	Rated air displacement		Oil capacity	Noise Db (A) ± 3	Air outlet pipe diameter	Drive mode	Main motor		Machine size:L xWxH mm	Machine weight:kg
	KW/HP	Bar	M3/min	CFM					Rated motor :AMPS	Protection Level		
SCR125II	90/125	8	16	565	75 L	≤ 79 ± 3	DN65	Direct Drive	187 A	IP54	2460 1620 1692	2560
		10	14.5	512								
		12	12.5	441								
SCR150II	110/150	8	20	706	75 L	≤ 79 ± 3	DN65	Direct Drive	234 A	IP54	2460 1620 1692	2650
		10	17.5	617								
		12	15.6	550								
SCR180II	132/180	8	24	847	90 L	≤ 77 ± 3	DN65	Direct Drive	286 A	IP54	2700 1750 1850	3100
		10	21	741								
		12	18	635								
SCR220II	160/220	8	28.3	999	90 L	≤ 78 ± 3	DN65	Direct Drive	340 A	IP54	2700 1750 1850	3200
		10	24	847								
		12	21.5	759								
SCR250II	185/250	8	31.6	1115	110 L	≤ 84 ± 3	DN80	Direct Drive	380 A	IP54	2700 1820 1850	3450
		10	28.3	999								
		12	24.5	865								
SCR270II	200/270	8	34.5	1218	110 L	≤ 84 ± 3	DN80	Direct Drive	422 A	IP54	2700 1820 1850	3640
		10	30.8	1087								
		12	27.8	981								
SCR300I	280/375	8	39.3	1387	120 L	≤ 83 ± 3	DN100	Direct Drive	472 A	IP54	3000 2050 2097	4800
		10	35	1236								
		12	28.5	1006								
SCR340I	250/340	8	43.8	1546	120 L	≤ 83 ± 3	DN100	Direct Drive	540 A	IP54	3000 2050 2097	5200
		10	38.2	1349							3460 2050 2200	
		12	33.8	1193								
SCR375I	280/375	8	50	1765	150 L	≤ 83 ± 3	DN100	Direct Drive	610 A	IP54	3460 2050 2100	6600
		10	43.2	1525								
		12	38.6	1363								

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.