

10. Double Stage Energy Saving Range SCR-H Screw Compressors

SCR125H (90kw) – SCR400H (315kw)

High Efficiency Air End

Our new patented two stage air end goes through twenty finishing procedures to ensure accuracy and high reliability. The two-stage design leads to enhanced efficiency and higher outputs when compared to single compression air ends. The two-stage air end has lower noise, lower vibration and increased efficiency.

High Quality German Centrifugal Fans

The latest range of centrifugal fans from Rosenberg are used giving high output flows and stable air pressures ensuring adequate compressor cooling.

High Quality Efficient Motors

High efficiency TEFC motors are used with class B temperature rise. SKF bearings are used as standard ensuring continuous long-term reliability.

Features at a Glance

- High Efficiency Two Stage Air End
- Designed for high ambient temperatures
- Synthetic Coolant
- Vector Control Technology
- Siemens Switchgear
- Leak proof rigid steel piping
- IP54 motor
- Centrifugal fan cooled
- Generously dimensioned after cooler
- Optimized Bearings for longer lifespan
- ASME Certified Separator Vessel
- Two (2) year mechanical warranty on machine



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.

SCR-H Double Stage Screw Compressor

Type	Power	Work Pressure	Rated air displacement		Noise dB (A) ± 3	Air outlet pipe diameter	Drive mode	Oil volume	Main motor		Machine size: L×W×H mm	Machine weight:kg
	KW/HP	BAR	M3/min	CFM					Rated motor :AMPS	Protection Level		
SCR125H	90 / 125	7	21	741	≤ 76 ± 3	DN 65	Direct Drive	80 L	191 A	IP 54	2800 1750 1700	3500
		8	19.5	688								
		10	17.7	625								
		12	14.3	504								
SCR150H	110 / 150	7	25	882	≤ 76 ± 3	DN 65	Direct Drive	80 L	231 A	IP 54	2800 1750 1700	3800
		8	23.6	833								
		10	20	706								
		12	17	600								
SCR180H	132 / 180	7	30	1059	≤ 80 ± 3	DN 80	Direct Drive	160 L	296 A	IP 54	3400 2100 2000	5200
		8	29.5	1041								
		10	24	847								
		12	20	706								
SCR220H	160 / 220	7	35	1236	≤ 81 ± 3	DN 80	Direct Drive	160 L	326 A	IP 54	3400 2100 2000	5200
		8	34.5	1218								
		10	29	1024								
		12	24	847								
SCR250H	185 / 250	7	40	1412	≤ 83 ± 3	DN 100	Direct Drive	160 L	402 A	IP 54	3400 2200 2100	5800
		8	39.5	1394								
		10	34	1200								
		12	30	1059								
SCR270H	200 / 270	7	45	1589	≤ 83 ± 3	DN 100	Direct Drive	160 L	467 A	IP 54	3400 2200 2100	6000
		8	43	1518								
		10	39	1377								
		12	33	1165								
SCR300H	220 / 300	7	48	1695	≤ 84 ± 3	DN 100	Direct Drive	160 L	470 A	IP 54	3400 2200 2100	6600
		8	47	1659								
		10	42	1483								
		12	38	1341								
SCR340H	250 / 340	7	55	1942	≤ 84 ± 3	DN 125	Direct Drive	260 L	510 A	IP 54	4000 2200 2300	7500
		8	54	1906								
		10	46	1624								
		12	41	1447								
SCR375H	280 / 375	7	62	2189	≤ 86 ± 3	DN 125	Direct Drive	260 L	590 A	IP 54	4000 2200 2300	7800
		8	61	2154								
		10	53	1871								
		12	46	1624								
SCR400H	315 / 400	7	68	2401	≤ 88 ± 3	DN 125	Direct Drive	260 L	610 A	IP 54	4000 2200 2300	7900
		8	67	2366								
		10	61	2154								
		12	51	1801								

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.