

12. Oil Free Range SCR-XA and SCR-G Screw Compressors

SCR5XA (3.7kw) – SCR40XA (30kw) Compressor Range

SCR50GV (37kw) – SCR375GV (280kw) Compressor Range

High Efficiency Air end (SCR-XA Range)

Using an international advanced oil-free scroll compressor air end, imported bearings and lubricating grease which will ensure the air end's service life and reliability. High precision dynamic vortex disk, static vortex plate and shell processing which will ensure the air end's high efficiency. Imported sealing material, compression chamber and lubrication transmission part separation, which will ensure the compressed air is absolutely oil-free.

Automatic interlock control and operations management

Intelligent micro computer controller, combined with pressure, temperature, current, signal, alarm with 12 important indicators and 13 comprehensive security protection measures with Chinese and English display optional and maintenance time limit reminders. The RS485 communication interface can pick up when several machines are joint and controlled. Concise and comprehensive to keep the customer informed of the machine's situation in time.

Leading Technology (SCR-G Range)

The durability of GHH Rand's two stage compression air end uses high performance rotors and durable bearings to ensure reliability. Stainless steel seals and the unique design of the labyrinth seals means that this unique machine is time tested, reliable and efficient.

High efficiency inlet valve

Uses industry leading hydraulic regulating mechanisms which has replaced the pneumatic regulating mechanism. This can avoid the regular replacement of pneumatic components and also reduce unnecessary downtime and maintenance costs.

German high quality centrifugal fan

German manufactured ROSENBERG's latest centrifugal fans deliver large stable volumes of air, offering maximum cooling. This eliminates the problem of noise with larger horsepower air cooled compressors, greatly reducing noise 5 – 6 dB (A).

Venturi pipe can effectively prevent pressure flow and can avoid high frequency noise which can be cause by turbulence and vibration.

Water cooled

Features at a Glance

- High efficiency scroll air end
- Designed for High Ambient Temperatures
- Generously dimensioned after cooler
- Synthetic coolant
- Intelligent PLC Control
- ASME Certified separator vessel
- Siemens Switchgear
- Two (2) year mechanical warranty on compressor



SCR-XA and SCR-G Screw Compressors

SCR-XA and SCR-G RANGE TECHNICAL DATA														
Type	Power	Work Pressure	Rated air displacement		Stainless Steel Receiver Capacity (L)	Noise Db (A) ± 3	Air outlet pipe diameter	Drive mode	Gearbox oil capacity	Main motor		Machine size: L x W x H mm	Machine weight: kg	Water Inlet/Outlet
	KW/HP	Bar	M3/min	CFM						Rated motor :AMPS	Protection Level			
SCR05XA	3.7/5	8	0.4	14.1	50L	≤ 60 ± 3	3/4"	belt drive	N/A	9.1	IP54	1100 650 980	230	N/A
		10	0.3	10.5										
SCR010XA	7.5/10	8	0.8	28.2	230 L	≤ 60 ± 3	1"	belt drive	N/A	18.2	IP54	1200 650 1600	320	N/A
		10	0.7	24.7										
SCR015XA	11/15	8	1.2	42.3	N/A	≤ 65 ± 3	1"	belt drive	N/A	27.3	IP54	1350 1200 800	450	N/A
		10	1	35.3										
SCR020XA	15/20	8	1.6	56.5	N/A	≤ 70 ± 3	1"	belt drive	N/A	36	IP54	1800 1200 800	650	N/A
		10	1.4	49.4										
SCR030XA	22/30	8	2.6	91.8	N/A	≤ 72 ± 3	1"	belt drive	N/A	50	IP54	1200 1400 1500	900	N/A
		10	2.1	74.1										
SCR040XA	30/40	8	3.5	123	N/A	≤ 74 ± 3	1"	belt drive	N/A	74	IP54	1200 1400 1800	1300	N/A
		10	2.8	98										
SPEED CONTROLLED														
SCR050GV	37/50	8	5.5	194	N/A	≤ 75 ± 3	DN50	direct drive	24 L	73 A	IP54	2380 1250 1980	2500	N/A
		10	6	211										
SCR060GV	45/60	8	6.6	233	N/A	≤ 79 ± 3	DN50	direct drive	24 L	82 A	IP54	2380 1580 1880	2700	N/A
		10	4	141										
SCR075GV	55/75	8	9	317	N/A	≤ 77 ± 3	DN50	direct drive	24 L	115 A	IP54	2380 1580 1880	2850	N/A
		10	7.7	271										
SCR100GV	75/100	8	12	423	N/A	≤ 79 ± 3	DN50	direct drive	24 L	162 A	IP54	2380 1580 1880	2900	N/A
		10	10.7	377										
WATER COOLED														
SCR125WG	90/125	8	13.6	480	N/A	≤ 79 ± 3	DN65	direct drive	40 L	173 A	IP54	2880 1880 1880	3400	1 1/2"
		10	13	459										
SCR150WG	110/150	8	18.2	642	N/A	≤ 79 ± 3	DN65	direct drive	40 L	216 A	IP54	2880 1880 1880	3500	1 1/2"
		10	15.2	536										
SCR180WG	132/180	8	22	776	N/A	≤ 79 ± 3	DN65	direct drive	40 L	260 A	IP54	2880 1880 1880	3600	1 1/2"
		10	19.5	688										
SCR220WG	160/220	8	25.5	900	N/A	≤ 79 ± 3	DN65	direct drive	40 L	298 A	IP54	2880 1880 1880	3650	1 1/2"
		10	22	776										
SCR300WG	220/300	8	36	1271	N/A	≤ 83 ± 3	DN100	direct drive	75 L	423 A	IP54	3350 2280 2080	5000	1 1/2"
		10	32	1130										
SCR340WG	250/340	8	43	1518	N/A	≤ 83 ± 3	DN100	direct drive	75 L	490 A	IP54	3350 2280 2080	5200	1 1/2"
		10	38	1341										
SCR375WG	280/375	8	48	1695	N/A	≤ 85 ± 3	DN100	direct drive	75 L	520 A	IP54	3350 x 2280 x 2080	5500	1 1/2"
		10	41	1447										

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.