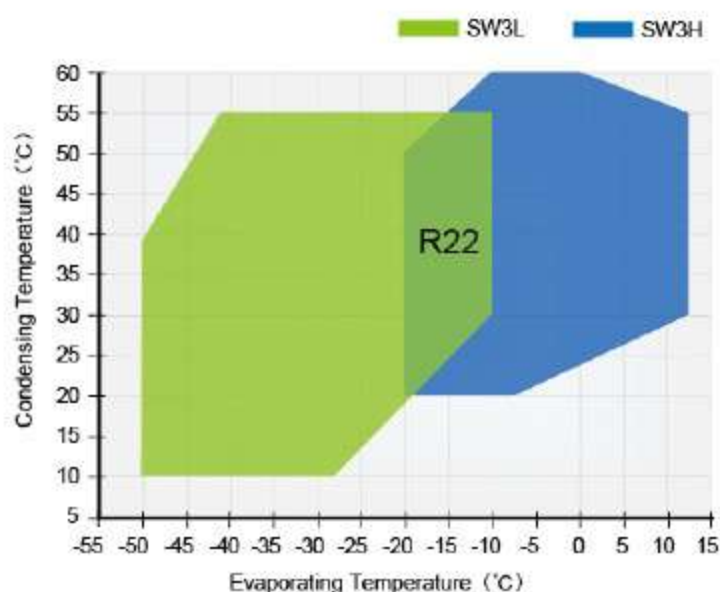


RefComp SW Series Semi-hermetic Screw Compressors

Refcomp SW Semi-hermetic Screw Refrigeration Compressors include SW3H Series and SW3L Series with 28 models. Displacement: 118- 700 m³/h (@ 50Hz), Nominal Power: 30- 240HP. Both SW3H and SW3L are for medium- high and low temperature refrigeration respectively, it is suitable for low temperature condition of -50 degrees. Applicable freon refrigerants including R22, R134A, R507A, R404A, R407C.



- Asymmetric screw rotor designed by RefComp, lobe ratio profile 5:6, excellent lubrication, perfect meshing between teeth, smooth and quiet operation.
- Small size, filter, shut-off valve, and temperature sensor are integrated into the compressor body. Optimized design, less space required.
- Motor protection module provides reliable protection against motor overheating, phase reversal and phase loss.
- Real-time tracking provides the operation status of the motor and system.
- Multiple duplex bearings are able to avoid rotor axial / radial wear, resulting in high load and low noise.
- Embedded suction filter.
- Solenoid valve conducts capacity control, with step or stepless control, in line with full or partial load.
- Unique structure and space design, using subcooled refrigerant gas between suction shut-off valve and the inlet side of the screw to cool down the motor effectively.
- Suction/discharge shut-off valves are able to reverse, which is easily installed with flexibility.

Technical Parameters

Model		SW3H							
		4000	5000	6000	7500	9000	10500	11500	12500
Nominal Power	Hp/kW	40/30	50/37	60/45	75/55	90/67	105/78	115/78	125/89
Displacement 50/60 (Hz)	m³/h	118/142	150/180	175/210	205/246	237/284	286/343	318/382	341/409
Weight	kg	245	255	285	410	420	535	540	545
Standard Motor		400V/3/50Hz-480/3/60Hz							
(Y/△) Starting current	A	131/398	134/406	182/547	139/459	193/580	338/1015	318/953	318/953
Max Running Current	A	75	90	105	124	140	168	182	196

Continue on next page

RefComp SW Semi-hermetic Screw Compressors

Model		SW3H					
		14000	16000	19000	21000	24000	25000
Nominal Power	Hp/kW	150/112	170/127	200/149	220/164	240/179	240/179
Displacement 50/60 (Hz)	m³/h	402/482	445/534	510/612	562/674	600/720	700/840
Weight	kg	665	675	710	1030	1050	980
Standard Motor		400V/3/50Hz - 460V/3/60Hz					
(Y/Δ) Starting current	A	354/1155	374/1155	453/1333	543/1645	595/1802	595/1802
Max Running Current	A	249	270	305	335	380	410

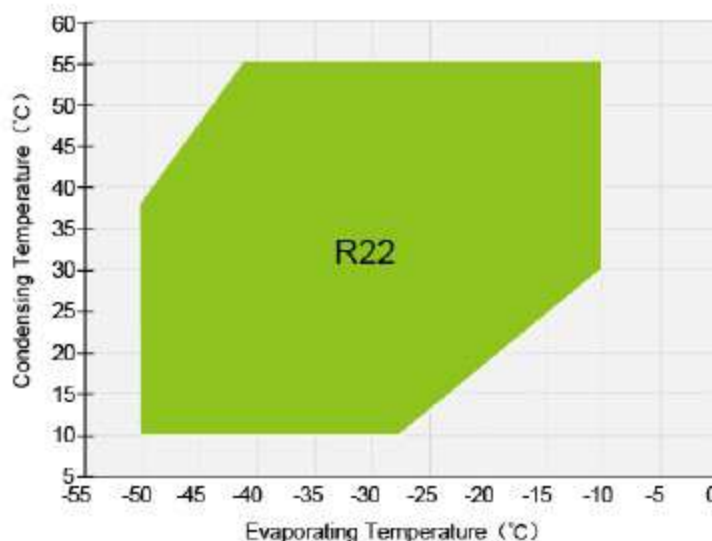
Model		SW3L							
		3000	4000	5000	6000	7000	8000	9500	10500
Nominal Power	Hp/kW	30/22	40/30	50/37	60/45	70/52	80/60	95/71	105/78
Displacement 50/60 (Hz)	m³/h	118/142	150/180	175/210	205/246	237/284	286/343	318/382	341/409
Weight	kg	245	255	265	410	420	520	525	530
Standard Motor		400V/3/50Hz - 460V/3/60Hz							
(Y/Δ) Starting current	A	110/331	131/398	134/406	139/422	139/459	223/670	318/953	318/953
Max Running Current	A	65	80	88	103	117	139	154	163

Model		SW3L					
		11500	13000	16000	18000	20000	22000
Nominal Power	Hp/kW	115/89	130/98	170/127	180/135	200/149	220/164
Displacement 50/60 (Hz)	m³/h	380/456	445/534	510/612	562/674	600/720	700/840
Weight	kg	665	675	710	1030	1050	980
Standard Motor		400V/3/50Hz - 460V/3/60Hz					
(Y/Δ) Starting current	A	276/876	354/1155	374/1155	453/1333	543/1645	543/1645
Max Running Current	A	196	210	236	250	270	300

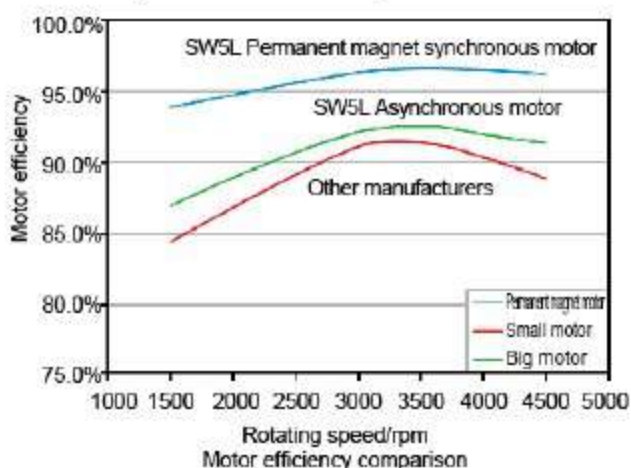
Note: The above-listed are only some of the models. Please contact us directly for more information.

RefComp SW5L Semi-hermetic Screw Compressors

RefComp SW5L is the newly designed semi-hermetic screw compressor with high efficiency and variable frequency, exclusively for the medium-low temperature application. This series include 14 models, with displacement range : 85- 500m³/h, nominal power range: 20HP- 250HP, various applicable freon refrigerants including R507A, R404A, R134a, R22. This series can be widely applied to ice storage projects, food quick freezing, marine refrigeration, low temperature storage, etc..



Comparison of Efficiency between Permanent Magnet Synchronous Motors and Asynchronous Motors



- "I" type patented profile, lobe ratio: 5:7, high efficiency, smooth operation.
- Rotor is made of high-quality forged steel, with high strength and high wear-resistance.
- More compact design: 10% shorter and 23% lower than SW3 Series.
- Easily assembled or dismantled: suction/discharge shut-off valves can be installed on either side flexibly.
- Adjustable internal volume ratio: the Vi can be adjusted to the ideal state in accordance to the operating condition changes, so that the compressor can achieve its max. operating efficiency.
- Compressor includes multiple safety and protection devices, ensuring its long-term, safe, high-efficiency operation.
- High-efficient variable frequency motor available upon request: the speed can be adjusted according to the load changes, and the motor's operating efficiency is improved accordingly.

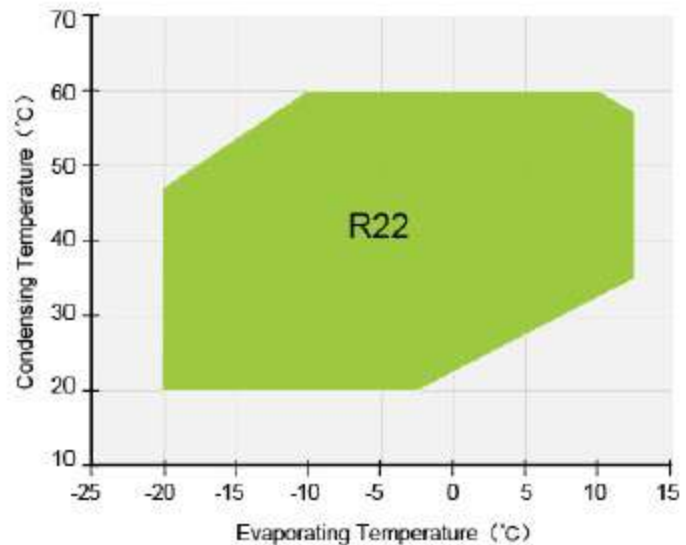
Technical Data Sheet

Model	Suction Line Size (mm)	Discharge Line size (mm)	Dimensions (mm)			Displacement (m ³ /h)		Nominal Power (Hp/kW)
			L	W	H	50Hz	60Hz	
SW5L020	54	42	803	465	411	85	100	25/18.5
SW5L025	54	42	803	465	411	100	120	32/22
SW5L030	54	42	803	465	411	120	144	35/26
SW5L040	54	42	890	490	390	140	168	40/30
SW5L050	54	42	890	490	390	168	201	50/37
SW5L060	80	54	1044	586	486	210	252	60/45
SW5L070	80	54	1044	586	486	230	276	70/52
SW5L075	80	54	1044	586	486	250	300	75/55
SW5L090	92	67	1280	600	501	310	372	90/66
SW5L100	92	67	1280	600	501	340	408	100/75
SW5L110	92	67	1280	600	501	370	444	110/82
SW5L125	105	80	1348	798	627	420	504	125/90
SW5L140	105	80	1348	798	627	450	540	140/105
SW5L150	105	80	1348	798	627	500	600	150/112

Note: The above-listed are only some of the models. Please contact us directly for more information.

RefComp SRC-S Semi-hermetic Screw Compressors

RefComp SRC-S Series include 18 models, applied in the refrigeration conditions of medium and high evaporating temperatures. SRC-S compressors have the features of built-in oil separator, compact structure, easy installation, low noise, high efficiency etc. They can be best configured in line with various applications and conditions, e.g. full-flooded normal- temperature/high-temperature heat pump and water chiller.



- Asymmetric screw rotor designed by RefComp, lobe ratio 5.6, excellent lubrication, perfect meshing between teeth, smooth and quiet operation of the compressor.
- Small size, filter, stop valve, and temperature sensor are integrated into the compressor body. Optimized design, less space required.
- Motor protection module provides reliable protection against motor overheating, phase reversal and phase loss.
- Real-time tracking provides the operation status of the motor and system.
- Multiple duplex bearings is able to avoid rotor axial / radial wear, resulting in high load and low noise.
- Built-in oil separator.
- Multi- step separation, oil efficiency as high as 99.85%.
- Embedded 100µm high-density suction filter, easy to replace.
- Unique structure and space design, using the subcooled refrigerant gas between suction shut- off valve and the inlet side of the screw to cool down the motor effectively.
- Suction/discharge shut- off valves are able to reverse 360°, which are easily installed with flexibility.
- Embedded with safety valve: high specification design, safe and reliable.

Technical Parameters

Model SRC-S (W)		113	133	163	183	213	255	285	305	353
Displacement 50/60 (Hz)	m³/h	118/142	150/180	175/210	205/246	237/284	286/343	318/382	341/409	402/482
Weight	kg	325	330	335	510	515	615	590	625	730
Oil Charge	dm³	6	6	6	7	7	10	10	10	14
Capacity Control		Steps: Fully loaded, 75%, 50%, minimum. (Stepless: full load...minimum, or 100%...50% per request)								
Standard Motor		400V/3/50Hz - 460V/3/60Hz								

Model SRC-S (W)		413	463	503	553	603	755	785	885	985
Displacement 50/60 (Hz)	m³/h	445/534	510/612	562/674	600/720	700/840	860/1032	910/1092	1000/1200	1100/1320
Weight	kg	740	775	1010	1030	1020	980	1400	1400	1400
Oil Charge	dm³	14	16	19	19	20	23	25	25	25
Capacity Control		Steps: Fully loaded, 75%, 50%, minimum. (Stepless: full load...minimum, or 100%...50% per request)								
Standard Motor		400V/3/50Hz - 460V/3/60Hz								

Note: Please contact us directly for more information.