SCROLLTECH

ST-ZB SERIES SCROLL COMPRESSOR
For Refrigeration



SCROLLTECH COMPRESSOR TECHNOLOGY CO.,LTD

中 国 一 流 涡 旋 压 缩 机 制 造 商

TOP SCROLL COMPRESSOR MANUFACTURER

ST-ZB Series

R22

Performance Data

50HZ

Q=Capacity (Watts) P=Power input (Watts) 1-Phase

Model		Condensing Temperature℃	Evaporating Temperature ℃						
			-12	-10	-5	0	5	10	12.5
ST-ZB21KQ	Q	15	5850	6300	7650	9100			
		20	5600	6100	7350	8800	10450		
		30	5150	5600	6800	8150	9700	11500	12500
		40	4700	5100	6200	7450	8900	10550	11500
		50	3850	4200	5550	6700	8000	9550	10400
		55		3950	4900	6300	7550	9000	9850
		60			4550	5650	7050	8450	9250
		65				5200	6550	7850	8600
	P	15	1360	1360	1370	1390			
		20	1500	1490	1500	1520	1550		
		30	1800	1800	1800	1810	1830	1850	1850
		40	2200	2190	2180	2190	2200	2200	2200
		50	2700	2690	2680	2680	2680	2670	2660
		55		3000	2980	2970	2970	2950	2940
		60			3320	3310	3300	3270	3260
		65				3690	3670	3640	3620

ST-ZB Series

R22

Performance Data

50HZ

Q=Capacity (Watts) P=Power input (Watts) 3-Phase

Model		Condensing Temperature℃	Evaporating Temperature ℃						
			-12	-10	-5	0	5	10	12.5
ST-ZB21KQ	Q	15	5900	6350	7650	9050			
		20	5650	6150	7400	8800	10350		
		30	5200	5650	6850	8200	9700	11450	12400
		40	4650	5100	6200	7450	8900	10500	11450
		50	3800	4200	5500	6650	7950	9450	10300
		55		3900	4850	6200	7450	8850	9700
		60			4550	5550	6900	8250	9050
		65				5150	6400	7650	8350
	P	15	1150	1150	1170	1220			
		20	1290	1290	1310	1350	1410		
		30	1610	1610	1620	1660	1700	1730	1740
		40	2000	1990	2010	2040	2080	2100	2100
		50	2480	2480	2500	2530	2560	2570	2570
		55		2760	2790	2820	2850	2860	2860
		60			3110	3150	3180	3190	3180
		65				3510	3550	3550	3540

*Max return gas temperature of 18.3°C in non shaded region

* Max Suction superheat of 11K only in shaded region

* Sub cooling 0K

ST-ZB Series

R404A

Performance Data

50HZ

Q=Capacity (Watts) P=Power input (Watts) 1-Phase

Model		Condensing Temperature℃	Evaporating Temperature ℃						
			-20	-15	-10	-5	0	5	10
ST-ZB21KQE	Q	10	5350	6550	7950				
		20	4900	6000	7250	8700	10400		
		30	4400	5350	6500	7750	9250	10950	12900
		40	3800	4650	5600	6750	8050	9500	11200
		50	3150	3850	4650	5600	6700	7950	9350
		60		3000	3600	4350	5250	6250	7400
	P	10	1150	1150	1150				
		20	1450	1450	1450	1450	1450		
		30	1830	1830	1820	1820	1810	1800	1790
		40	2310	2310	2300	2290	2280	2260	2240
		50	2920	2920	2910	2900	2880	2860	2820
		60		3690	3680	3660	3640	3610	3570

ST-ZB Series

R404A

Performance Data

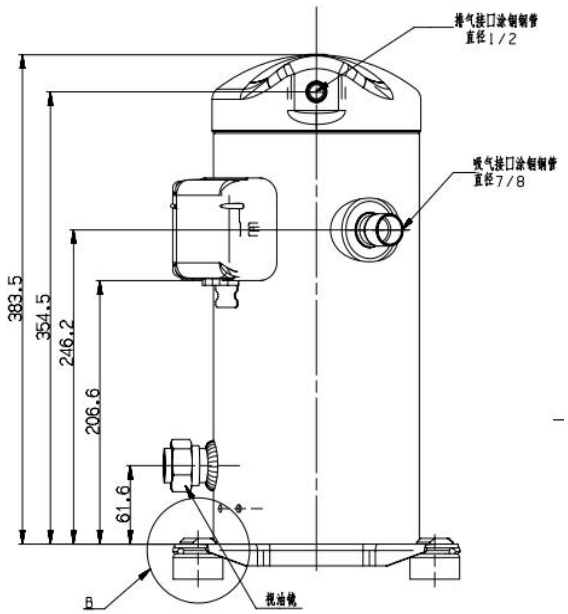
50HZ

Q=Capacity (Watts) P=Power input (Watts) 3-Phase

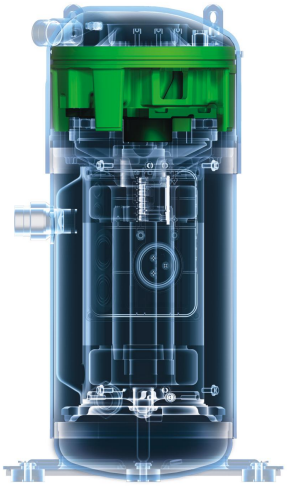
Model		Condensing Temperature℃	Evaporating Temperature ℃						
			-20	-15	-10	-5	0	5	10
ST-ZB21KQE	Q	10	5250	6400	7800				
		20	4800	5850	7100	8550	10200		
		30	4300	5250	6350	7600	9050	10750	12600
		40	3700	4550	5500	6600	7850	9300	10950
		50	3100	3750	4550	5500	6550	7750	9150
		60		2900	3550	4300	5150	6100	7250
	P	10	1110	1110	1120				
		20	1400	1400	1400	1400	1400		
		30	1770	1770	1770	1760	1750	1750	1730
		40	2240	2240	2230	2220	2210	2190	2170
		50	2830	2830	2820	2810	2790	2770	2740
		60		3580	3570	3550	3530	3490	3460

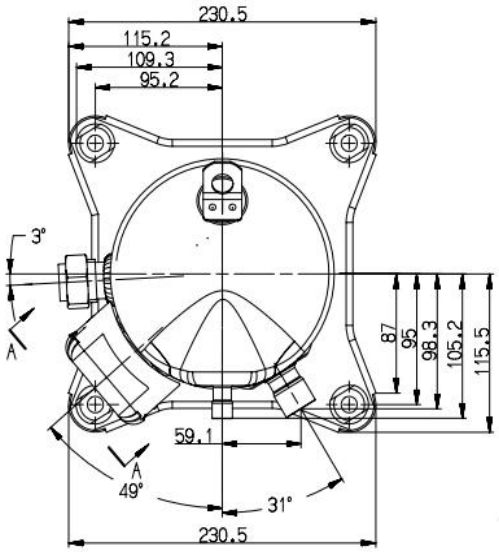
+ Max return gas temperature of 18.3°C in non shaded region
+ Max Suction superheat of 11K only in shaded region
+ Sub cooling 0K

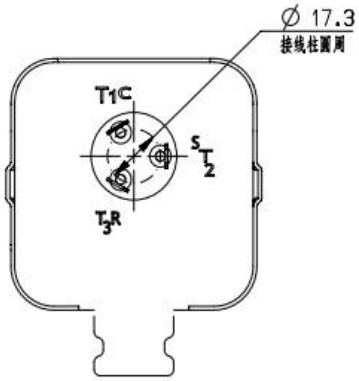
Model	Capacity	Displacement	Motor power	Nominal power(HP)
ST-ZB21KQ	5000W	8.8m³/h	3KW	3HP



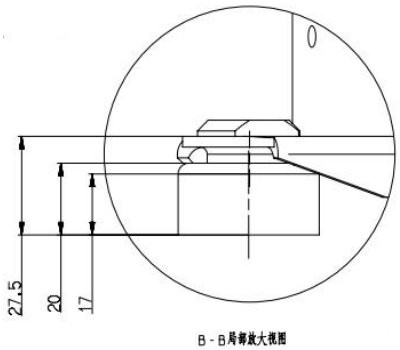








A - A视图
接线盒位置图
2 : 1



B - B局部放大视图
2 : 1

ScrollTech Compressor Technology Co., Ltd.

ADD.: Dalian, Yunlin Street, Xinchang, Zhejiang, China. POBOX: 312513

Tel.: 0086 574 87036954 Fax: 0086 574 87762810

Cell: 0086 18352925888

E-Mail: st@scrolltech.com.cn; Web: www.scrolltech.com.cn