



P.O. Box 500  
899 S. Prairie Lane  
Marshfield, MO 65706  
Phone: (417)859-6067  
Fax: (417)859-2109

Model: HITACHI 6005SC-Z

CAPACITY- 1,000 BTU/Hr. - 60 Hz. HITACHI 6005 COMPRESSOR, REFRIGERANT R-407c

SCT →	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140	
SST																							
5	513.1	495.1	477.7	460.9	444.8	429.4	414.5	400.2	386.4	373.1	360.3	348.0	336.0	324.5	313.4	302.6	292.1	281.9	272.0	262.3	252.9	243.6	
10	565.6	548.7	532.2	516.2	500.5	485.3	470.4	455.8	441.6	427.7	414.1	400.8	387.7	374.9	362.4	350.0	337.8	325.8	314.0	302.3	290.8	279.4	
15	625.7	609.5	593.6	577.8	562.3	546.9	531.8	516.8	502.0	487.3	472.8	458.4	444.1	430.0	416.0	402.0	388.2	374.4	360.8	347.1	333.5	320.0	
20	694.0	678.0	662.2	646.3	630.5	614.8	599.1	583.4	567.8	552.2	536.7	521.1	505.6	490.1	474.5	459.0	443.5	428.0	412.5	396.9	381.3	365.7	
25	771.0	754.8	738.5	722.2	705.8	689.3	672.8	656.2	639.6	622.9	606.1	589.3	572.4	555.4	538.3	521.2	504.0	486.7	469.4	451.9	434.4	416.8	
30	857.2	840.2	823.1	805.9	788.5	771.0	753.4	735.6	717.7	699.7	681.5	663.3	644.8	626.3	607.6	588.8	569.9	550.9	531.7	512.4	492.9	473.4	
31	875.5	858.4	841.0	823.6	806.0	788.2	770.3	752.3	734.1	715.8	697.4	678.8	660.0	641.2	622.2	603.0	583.8	564.4	544.8	525.1	505.3	485.4	
32	894.3	876.9	859.3	841.6	823.8	805.7	787.6	769.3	750.8	732.2	713.4	694.5	675.5	656.3	637.0	617.5	597.9	578.1	558.2	538.1	518.0	497.6	
33	913.5	895.8	878.0	860.0	841.9	823.6	805.1	786.5	767.8	748.8	729.8	710.6	691.2	671.7	652.0	632.2	612.2	592.1	571.8	551.4	530.8	510.1	
34	933.1	915.2	897.0	878.8	860.3	841.8	823.0	804.1	785.0	765.8	746.4	726.8	707.1	687.3	667.2	647.1	626.7	606.3	585.6	564.8	543.9	522.8	
35	953.1	934.8	916.4	897.9	879.1	860.2	841.2	821.9	802.5	783.0	763.2	743.3	723.3	703.1	682.7	662.2	641.5	620.7	599.7	578.5	557.2	535.8	
36	973.5	954.9	936.2	917.3	898.3	879.0	859.6	840.1	820.3	800.4	780.4	760.1	739.7	719.2	698.5	677.6	656.5	635.3	614.0	592.5	570.8	549.0	
37	994.3	975.4	956.4	937.1	917.7	898.2	878.4	858.5	838.4	818.2	797.8	777.2	756.4	735.5	714.4	693.2	671.8	650.2	628.5	606.6	584.6	562.4	
38	1015.5	996.3	976.9	957.3	937.5	917.6	897.5	877.2	856.8	836.2	815.4	794.5	773.4	752.1	730.7	709.1	687.3	665.4	643.3	621.1	598.7	576.1	
39	1037.2	1017.6	997.8	977.8	957.7	937.4	916.9	896.3	875.5	854.5	833.4	812.1	790.6	768.9	747.1	725.2	703.1	680.8	658.3	635.7	612.9	590.0	
40	---	1039.2	1019.1	998.7	978.2	957.5	936.7	915.6	894.4	873.1	851.6	829.9	808.1	786.0	763.9	741.5	719.1	696.4	673.6	650.6	627.5	604.2	
41	---	1061.3	1040.7	1020.0	999.1	978.0	956.7	935.3	913.7	892.0	870.1	848.0	825.8	803.4	780.9	758.2	735.3	712.3	689.1	665.8	642.3	618.6	
42	---	1083.8	1062.8	1041.6	1020.3	998.8	977.1	955.3	933.3	911.2	888.9	866.4	843.8	821.0	798.1	775.0	751.8	728.4	704.9	681.2	657.3	633.3	
43	---	1106.8	1085.3	1063.7	1041.9	1019.9	997.8	975.6	953.2	930.6	907.9	885.1	862.1	838.9	815.6	792.1	768.5	744.8	720.9	696.8	672.6	648.3	
44	---	1130.1	1108.2	1086.1	1063.8	1041.4	1018.9	996.2	973.4	950.4	927.3	904.0	880.6	857.0	833.4	809.5	785.5	761.4	737.1	712.7	688.1	663.4	
45	---	---	1131.5	1108.9	1086.1	1063.3	1040.3	1017.2	993.9	970.5	946.9	923.2	899.4	875.5	851.4	827.1	802.8	778.3	753.6	728.9	703.9	678.9	
46	---	---	1155.1	1132.1	1108.8	1085.5	1062.0	1038.4	1014.7	990.9	966.9	942.8	918.5	894.2	869.7	845.0	820.3	795.4	770.4	745.3	720.0	694.6	
47	---	---	1179.3	1155.7	1131.9	1108.1	1084.1	1060.0	1035.9	1011.5	987.1	962.6	937.9	913.1	888.2	863.2	838.1	812.8	787.4	761.9	736.3	710.6	
48	---	---	1203.8	1179.6	1155.4	1131.0	1106.6	1082.0	1057.3	1032.5	1007.7	982.7	957.6	932.3	907.0	881.6	856.1	830.4	804.7	778.8	752.9	726.8	
49	---	---	---	1204.0	1179.2	1154.3	1129.4	1104.3	1079.1	1053.9	1028.5	1003.0	977.5	951.9	926.1	900.3	874.4	848.4	822.2	796.0	769.7	743.3	
50	---	---	---	1228.8	1203.5	1178.0	1152.5	1126.9	1101.2	1075.5	1049.6	1023.7	997.7	971.7	945.5	919.3	892.9	866.5	840.0	813.5	786.8	760.1	

Legend: SCT = Saturated Condensing Temperature, R-407c.  
SST = Saturated Suction Temperature, R-407c.

- Notes:
1. Data subject to a +/- 5% tolerance.
  2. Data based on 9 degrees Fahrenheit Subcooling & Superheat.
  3. - - - indicates conditions outside of the approved operating range.
  4. Operation outside the range of 14-46 deg F SST or 95-130 SCT is limited.  
See ACCS publication **AC- 02- 006- 01- 0051** for details.



P.O. Box 500  
899 S. Prairie Lane  
Marshfield, MO 65706  
Phone: (417)859-6067  
Fax: (417)859-2109

Model: HITACHI 6005SC-Z

AMPS - 208/3/60 Hz. HITACHI 6005 COMPRESSOR, REFRIGERANT R-407c

SCT →	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140	
SST																							
5	95.0	102.0	109.0	116.0	122.9	129.9	136.9	143.9	150.9	158.0	165.1	172.3	179.5	186.8	194.2	201.7	209.3	217.0	224.8	232.8	240.8	249.1	
10	99.4	106.1	112.8	119.5	126.2	132.9	139.7	146.5	153.3	160.2	167.1	174.1	181.3	188.4	195.7	203.1	210.7	218.3	226.1	234.0	242.1	250.4	
15	103.5	109.9	116.4	122.9	129.4	135.9	142.5	149.1	155.8	162.6	169.4	176.3	183.3	190.4	197.7	205.0	212.5	220.1	227.8	235.8	243.8	252.1	
20	107.1	113.5	119.8	126.2	132.6	139.0	145.5	152.0	158.6	165.3	172.0	178.9	185.8	192.9	200.1	207.4	214.8	222.4	230.1	238.0	246.1	254.4	
25	110.4	116.7	123.0	129.4	135.7	142.2	148.6	155.1	161.7	168.4	175.1	181.9	188.9	195.9	203.1	210.4	217.8	225.4	233.1	241.0	249.0	257.3	
30	113.1	119.5	126.0	132.4	138.9	145.4	151.9	158.5	165.2	171.9	178.7	185.6	192.5	199.6	206.8	214.1	221.5	229.1	236.8	244.7	252.8	261.0	
31	113.6	120.1	126.5	133.0	139.5	146.1	152.6	159.2	165.9	172.7	179.5	186.4	193.3	200.4	207.6	214.9	222.4	230.0	237.7	245.6	253.6	261.9	
32	114.0	120.6	127.1	133.6	140.2	146.7	153.3	160.0	166.7	173.4	180.3	187.2	194.2	201.3	208.5	215.8	223.3	230.9	238.6	246.5	254.5	262.7	
33	114.5	121.0	127.6	134.2	140.8	147.4	154.0	160.7	167.5	174.2	181.1	188.0	195.1	202.2	209.4	216.7	224.2	231.8	239.5	247.4	255.5	263.7	
34	114.9	121.5	128.1	134.8	141.4	148.1	154.8	161.5	168.2	175.1	182.0	188.9	196.0	203.1	210.3	217.7	225.2	232.8	240.5	248.4	256.4	264.6	
35	115.3	122.0	128.7	135.3	142.0	148.7	155.5	162.2	169.1	175.9	182.8	189.8	196.9	204.1	211.3	218.7	226.2	233.8	241.5	249.4	257.4	265.6	
36	115.6	122.4	129.2	135.9	142.7	149.4	156.2	163.0	169.9	176.8	183.7	190.8	197.9	205.1	212.3	219.7	227.2	234.8	242.6	250.5	258.5	266.7	
37	115.9	122.8	129.6	136.5	143.3	150.1	157.0	163.8	170.7	177.7	184.7	191.7	198.9	206.1	213.4	220.8	228.3	235.9	243.7	251.6	259.6	267.8	
38	116.2	123.2	130.1	137.0	143.9	150.8	157.7	164.7	171.6	178.6	185.6	192.7	199.9	207.2	214.5	221.9	229.4	237.1	244.8	252.7	260.7	268.9	
39	116.5	123.6	130.6	137.6	144.6	151.5	158.5	165.5	172.5	179.6	186.6	193.8	201.0	208.3	215.6	223.0	230.6	238.2	246.0	253.9	261.9	270.1	
40	---	123.9	131.0	138.1	145.2	152.2	159.3	166.3	173.4	180.5	187.7	194.8	202.1	209.4	216.8	224.2	231.8	239.5	247.2	255.1	263.1	271.3	
41	---	124.3	131.5	138.7	145.8	152.9	160.1	167.2	174.4	181.5	188.7	195.9	203.2	210.6	218.0	225.5	233.1	240.7	248.5	256.4	264.4	272.6	
42	---	124.6	131.9	139.2	146.4	153.7	160.9	168.1	175.3	182.5	189.8	197.1	204.4	211.8	219.2	226.8	234.4	242.0	249.8	257.7	265.7	273.9	
43	---	124.9	132.3	139.7	147.1	154.4	161.7	169.0	176.3	183.6	190.9	198.2	205.6	213.1	220.5	228.1	235.7	243.4	251.2	259.1	267.1	275.3	
44	---	125.1	132.7	140.2	147.7	155.1	162.5	169.9	177.3	184.7	192.0	199.5	206.9	214.4	221.9	229.5	237.1	244.8	252.6	260.5	268.5	276.7	
45	---	---	133.1	140.7	148.3	155.9	163.4	170.9	178.3	185.8	193.2	200.7	208.2	215.7	223.3	230.9	238.5	246.3	254.1	262.0	270.0	278.1	
46	---	---	133.5	141.3	149.0	156.6	164.2	171.8	179.4	186.9	194.4	202.0	209.5	217.1	224.7	232.3	240.0	247.8	255.6	263.5	271.5	279.7	
47	---	---	133.8	141.8	149.6	157.4	165.1	172.8	180.4	188.1	195.7	203.3	210.9	218.5	226.2	233.9	241.6	249.4	257.2	265.1	273.1	281.2	
48	---	---	134.2	142.2	150.2	158.1	166.0	173.8	181.5	189.3	196.9	204.6	212.3	220.0	227.7	235.4	243.2	251.0	258.8	266.8	274.8	282.8	
49	---	---	---	142.7	150.9	158.9	166.9	174.8	182.7	190.5	198.3	206.0	213.8	221.5	229.3	237.0	244.8	252.6	260.5	268.5	276.4	284.5	
50	---	---	---	143.2	151.5	159.7	167.8	175.8	183.8	191.7	199.6	207.4	215.3	223.1	230.9	238.7	246.5	254.4	262.3	270.2	278.2	286.3	

Legend: SCT = Saturated Condensing Temperature, R-407c.  
SST = Saturated Suction Temperature, R-407c.

- Notes:
1. Data subject to a +/- 5% tolerance.
  2. Data based on 9 degrees Fahrenheit Subcooling & Superheat.
  3. - - - indicates conditions outside of the approved operating range.
  4. Operation outside the range of 14-46 deg F SST or 95-130 SCT is limited.  
See ACCS publication **AC- 02- 006- 01- 0051** for details.



P.O. Box 500  
 899 S. Prairie Lane  
 Marshfield, MO 65706  
 Phone: (417)859-6067  
 Fax: (417)859-2109

Model: HITACHI 6005SC-Z

**COMPLEMENT SPECIALISTS**

AMPS - 230/3/60 Hz. HITACHI 6005 COMPRESSOR, REFRIGERANT R-407c

SCT →	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140
SST																						
5	92.8	99.0	105.2	111.4	117.6	123.7	129.9	136.0	142.2	148.3	154.5	160.7	166.9	173.2	179.5	185.9	192.3	198.8	205.4	212.0	218.7	225.6
10	94.5	100.6	106.7	112.9	119.0	125.1	131.3	137.4	143.6	149.8	156.0	162.2	168.5	174.8	181.1	187.5	193.9	200.4	206.9	213.5	220.2	226.9
15	96.8	102.8	108.9	115.0	121.1	127.2	133.3	139.4	145.6	151.7	157.9	164.2	170.4	176.7	183.1	189.4	195.9	202.3	208.9	215.5	222.1	228.8
20	99.5	105.5	111.6	117.6	123.7	129.8	135.8	141.9	148.0	154.2	160.3	166.5	172.8	179.0	185.4	191.7	198.2	204.7	211.2	217.9	224.6	231.3
25	102.4	108.5	114.6	120.7	126.7	132.8	138.8	144.9	151.0	157.1	163.2	169.4	175.6	181.8	188.1	194.5	200.9	207.5	214.1	220.8	227.6	234.5
30	105.4	111.6	117.8	123.9	130.0	136.1	142.2	148.2	154.3	160.4	166.5	172.7	178.8	185.1	191.4	197.8	204.3	210.8	217.5	224.3	231.2	238.2
31	105.9	112.2	118.4	124.6	130.7	136.8	142.9	148.9	155.0	161.1	167.2	173.4	179.6	185.8	192.1	198.5	205.0	211.6	218.2	225.0	231.9	239.0
32	106.5	112.8	119.0	125.2	131.4	137.5	143.6	149.7	155.7	161.8	168.0	174.1	180.3	186.6	192.9	199.3	205.8	212.3	219.0	225.8	232.8	239.8
33	107.1	113.4	119.7	125.9	132.1	138.2	144.3	150.4	156.5	162.6	168.7	174.9	181.1	187.3	193.7	200.1	206.6	213.1	219.8	226.6	233.6	240.7
34	107.6	114.0	120.3	126.5	132.7	138.9	145.0	151.1	157.2	163.4	169.5	175.7	181.9	188.1	194.5	200.9	207.4	214.0	220.7	227.5	234.5	241.6
35	108.2	114.6	120.9	127.2	133.4	139.6	145.8	151.9	158.0	164.1	170.3	176.5	182.7	189.0	195.3	201.7	208.2	214.8	221.5	228.4	235.3	242.5
36	108.7	115.2	121.6	127.9	134.1	140.3	146.5	152.6	158.8	164.9	171.1	177.3	183.5	189.8	196.2	202.6	209.1	215.7	222.4	229.3	236.3	243.4
37	109.3	115.8	122.2	128.5	134.8	141.0	147.2	153.4	159.6	165.7	171.9	178.1	184.4	190.7	197.0	203.5	210.0	216.6	223.4	230.2	237.2	244.3
38	109.8	116.3	122.8	129.2	135.5	141.8	148.0	154.2	160.4	166.6	172.8	179.0	185.3	191.6	198.0	204.4	210.9	217.6	224.3	231.2	238.2	245.3
39	110.3	116.9	123.4	129.8	136.2	142.5	148.7	155.0	161.2	167.4	173.6	179.9	186.2	192.5	198.9	205.4	211.9	218.5	225.3	232.2	239.2	246.3
40	---	117.4	123.9	130.4	136.8	143.2	149.5	155.8	162.0	168.3	174.5	180.8	187.1	193.5	199.9	206.3	212.9	219.5	226.3	233.2	240.2	247.3
41	---	117.9	124.5	131.0	137.5	143.9	150.3	156.6	162.9	169.2	175.4	181.7	188.1	194.4	200.9	207.4	213.9	220.6	227.3	234.2	241.2	248.4
42	---	118.4	125.1	131.7	138.2	144.6	151.0	157.4	163.7	170.0	176.4	182.7	189.1	195.5	201.9	208.4	215.0	221.7	228.4	235.3	242.3	249.4
43	---	118.9	125.6	132.3	138.8	145.3	151.8	158.2	164.6	171.0	177.3	183.7	190.1	196.5	203.0	209.5	216.1	222.8	229.5	236.4	243.4	250.5
44	---	119.3	126.1	132.8	139.5	146.0	152.6	159.0	165.5	171.9	178.3	184.7	191.1	197.6	204.1	210.6	217.2	223.9	230.7	237.5	244.5	251.6
45	---	---	126.6	133.4	140.1	146.7	153.3	159.8	166.3	172.8	179.3	185.7	192.2	198.7	205.2	211.8	218.4	225.1	231.9	238.7	245.7	252.8
46	---	---	127.1	134.0	140.7	147.4	154.1	160.7	167.2	173.8	180.3	186.8	193.3	199.8	206.4	212.9	219.6	226.3	233.1	239.9	246.9	253.9
47	---	---	127.6	134.5	141.3	148.1	154.8	161.5	168.1	174.7	181.3	187.8	194.4	201.0	207.6	214.2	220.8	227.5	234.3	241.2	248.1	255.1
48	---	---	128.0	135.0	141.9	148.8	155.6	162.3	169.0	175.7	182.3	188.9	195.5	202.2	208.8	215.4	222.1	228.8	235.6	242.4	249.3	256.3
49	---	---	---	135.5	142.5	149.5	156.4	163.2	170.0	176.7	183.4	190.1	196.7	203.4	210.0	216.7	223.4	230.1	236.9	243.7	250.6	257.5
50	---	---	---	136.0	143.1	150.1	157.1	164.0	170.9	177.7	184.5	191.2	197.9	204.6	211.3	218.1	224.8	231.5	238.3	245.1	251.9	258.8

Legend: SCT = Saturated Condensing Temperature, R-407c.  
 SST = Saturated Suction Temperature, R-407c.

- Notes:
1. Data subject to a +/- 5% tolerance.
  2. Data based on 9 degrees Fahrenheit Subcooling & Superheat.
  3. - - - indicates conditions outside of the approved operating range.
  4. Operation outside the range of 14-46 deg F SST or 95-130 SCT is limited.  
 See ACCS publication **AC- 02- 006- 01- 0051** for details.



P.O. Box 500  
 899 S. Prairie Lane  
 Marshfield, MO 65706  
 Phone: (417)859-6067  
 Fax: (417)859-2109

Model: HITACHI 6005SC-Z

**COMPONENT SPECIALISTS**

AMPS - 460/3/60 Hz. HITACHI 6005 COMPRESSOR, REFRIGERANT R-407c

SCT →	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140
SST																						
5	45.0	48.1	51.3	54.4	57.6	60.7	63.9	67.1	70.3	73.4	76.6	79.8	83.0	86.3	89.5	92.7	95.9	99.2	102.4	105.7	108.9	112.2
10	46.3	49.3	52.3	55.4	58.4	61.5	64.6	67.7	70.8	73.9	77.1	80.2	83.4	86.6	89.8	93.1	96.3	99.6	102.9	106.2	109.6	112.9
15	47.6	50.5	53.5	56.5	59.5	62.5	65.5	68.6	71.6	74.7	77.8	81.0	84.1	87.3	90.5	93.7	97.0	100.3	103.6	106.9	110.3	113.7
20	49.0	51.9	54.8	57.8	60.7	63.7	66.7	69.7	72.8	75.8	78.9	82.0	85.2	88.3	91.5	94.7	98.0	101.3	104.6	107.9	111.3	114.7
25	50.4	53.3	56.3	59.2	62.2	65.2	68.2	71.2	74.2	77.3	80.3	83.4	86.6	89.7	92.9	96.1	99.3	102.6	105.9	109.2	112.6	115.9
30	51.9	54.9	57.8	60.8	63.8	66.8	69.8	72.8	75.9	78.9	82.0	85.1	88.3	91.4	94.6	97.8	101.0	104.3	107.5	110.8	114.2	117.5
31	52.2	55.2	58.1	61.1	64.1	67.1	70.1	73.2	76.2	79.3	82.4	85.5	88.7	91.8	95.0	98.2	101.4	104.7	107.9	111.2	114.6	117.9
32	52.5	55.5	58.5	61.4	64.4	67.5	70.5	73.5	76.6	79.7	82.8	85.9	89.0	92.2	95.4	98.6	101.8	105.1	108.3	111.6	114.9	118.3
33	52.9	55.8	58.8	61.8	64.8	67.8	70.8	73.9	77.0	80.1	83.2	86.3	89.5	92.6	95.8	99.0	102.2	105.5	108.8	112.0	115.4	118.7
34	53.2	56.1	59.1	62.1	65.1	68.2	71.2	74.3	77.4	80.5	83.6	86.7	89.9	93.1	96.2	99.5	102.7	105.9	109.2	112.5	115.8	119.1
35	53.5	56.5	59.5	62.5	65.5	68.5	71.6	74.7	77.8	80.9	84.0	87.1	90.3	93.5	96.7	99.9	103.1	106.4	109.7	112.9	116.2	119.6
36	53.8	56.8	59.8	62.8	65.8	68.9	72.0	75.1	78.2	81.3	84.4	87.6	90.8	93.9	97.2	100.4	103.6	106.9	110.1	113.4	116.7	120.0
37	54.2	57.1	60.1	63.2	66.2	69.3	72.3	75.4	78.6	81.7	84.9	88.0	91.2	94.4	97.6	100.9	104.1	107.4	110.6	113.9	117.2	120.5
38	54.5	57.5	60.5	63.5	66.6	69.6	72.7	75.8	79.0	82.1	85.3	88.5	91.7	94.9	98.1	101.4	104.6	107.9	111.2	114.4	117.7	121.0
39	54.8	57.8	60.8	63.9	66.9	70.0	73.1	76.3	79.4	82.6	85.8	89.0	92.2	95.4	98.6	101.9	105.2	108.4	111.7	115.0	118.3	121.6
40	---	58.2	61.2	64.2	67.3	70.4	73.5	76.7	79.8	83.0	86.2	89.4	92.7	95.9	99.2	102.4	105.7	109.0	112.3	115.5	118.8	122.1
41	---	58.5	61.5	64.6	67.7	70.8	73.9	77.1	80.3	83.5	86.7	89.9	93.2	96.4	99.7	103.0	106.3	109.6	112.8	116.1	119.4	122.7
42	---	58.9	61.9	65.0	68.1	71.2	74.3	77.5	80.7	83.9	87.2	90.4	93.7	97.0	100.3	103.6	106.9	110.2	113.5	116.7	120.0	123.3
43	---	59.2	62.3	65.3	68.4	71.6	74.7	77.9	81.2	84.4	87.7	90.9	94.2	97.5	100.8	104.2	107.5	110.8	114.1	117.4	120.7	124.0
44	---	59.6	62.6	65.7	68.8	72.0	75.2	78.4	81.6	84.9	88.2	91.5	94.8	98.1	101.4	104.8	108.1	111.4	114.7	118.0	121.3	124.6
45	---	---	63.0	66.1	69.2	72.4	75.6	78.8	82.1	85.4	88.7	92.0	95.3	98.7	102.0	105.4	108.7	112.1	115.4	118.7	122.0	125.3
46	---	---	63.4	66.5	69.6	72.8	76.0	79.3	82.6	85.9	89.2	92.5	95.9	99.3	102.7	106.0	109.4	112.8	116.1	119.4	122.8	126.0
47	---	---	63.7	66.8	70.0	73.2	76.4	79.7	83.0	86.4	89.7	93.1	96.5	99.9	103.3	106.7	110.1	113.5	116.8	120.2	123.5	126.8
48	---	---	64.1	67.2	70.4	73.6	76.9	80.2	83.5	86.9	90.3	93.7	97.1	100.5	103.9	107.4	110.8	114.2	117.6	120.9	124.3	127.6
49	---	---	---	67.6	70.8	74.0	77.3	80.6	84.0	87.4	90.8	94.2	97.7	101.2	104.6	108.1	111.5	115.0	118.4	121.7	125.1	128.4
50	---	---	---	68.0	71.2	74.4	77.7	81.1	84.5	87.9	91.4	94.8	98.3	101.8	105.3	108.8	112.3	115.7	119.2	122.6	125.9	129.2

Legend: SCT = Saturated Condensing Temperature, R-407c.  
 SST = Saturated Suction Temperature, R-407c.

- Notes: 1. Data subject to a +/- 5% tolerance.  
 2. Data based on 9 degrees Fahrenheit Subcooling & Superheat.  
 3. - - - indicates conditions outside of the approved operating range.  
 4. Operation outside the range of 14-46 deg F SST or 95-130 SCT is limited.  
 See ACCS publication **AC- 02- 006- 01- 0051** for details.



**COMPONENT SPECIALISTS**

P.O. Box 500  
 899 S. Prairie Lane  
 Marshfield, MO 65706  
 Phone: (417)859-6067  
 Fax: (417)859-2109

Model: HITACHI 6005SC-Z

KILOWATTS - 60 Hz. HITACHI 6005 COMPRESSOR, REFRIGERANT R-407c

SCT →	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140
SST																						
5	29.8	32.4	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.4	54.9	57.3	59.8	62.3	64.8	67.3	69.8	72.4	75.0	77.7	80.4	83.1
10	31.5	33.9	36.3	38.7	41.1	43.5	45.9	48.2	50.6	53.0	55.4	57.8	60.2	62.6	65.1	67.6	70.2	72.8	75.4	78.1	80.8	83.6
15	33.2	35.5	37.8	40.0	42.3	44.6	46.9	49.1	51.4	53.8	56.1	58.4	60.8	63.2	65.7	68.2	70.7	73.3	75.9	78.6	81.4	84.2
20	34.8	37.0	39.2	41.4	43.6	45.8	48.0	50.2	52.4	54.7	57.0	59.3	61.7	64.1	66.5	69.0	71.5	74.1	76.7	79.4	82.2	85.0
25	36.2	38.3	40.5	42.6	44.8	47.0	49.2	51.4	53.6	55.8	58.1	60.4	62.8	65.1	67.6	70.0	72.6	75.1	77.8	80.5	83.2	86.1
30	37.2	39.4	41.6	43.8	46.0	48.2	50.4	52.7	54.9	57.2	59.4	61.8	64.1	66.5	68.9	71.4	73.9	76.5	79.1	81.8	84.5	87.3
31	37.4	39.6	41.8	44.0	46.3	48.5	50.7	52.9	55.2	57.4	59.7	62.1	64.4	66.8	69.2	71.7	74.2	76.8	79.4	82.0	84.8	87.6
32	37.5	39.8	42.0	44.3	46.5	48.7	51.0	53.2	55.5	57.7	60.0	62.4	64.7	67.1	69.5	72.0	74.5	77.1	79.7	82.3	85.1	87.9
33	37.6	39.9	42.2	44.5	46.7	49.0	51.2	53.5	55.8	58.1	60.4	62.7	65.0	67.4	69.9	72.3	74.8	77.4	80.0	82.7	85.4	88.2
34	37.7	40.0	42.4	44.7	46.9	49.2	51.5	53.8	56.1	58.4	60.7	63.0	65.4	67.8	70.2	72.7	75.2	77.7	80.3	83.0	85.7	88.5
35	37.8	40.2	42.5	44.8	47.2	49.5	51.8	54.1	56.4	58.7	61.0	63.4	65.7	68.1	70.5	73.0	75.5	78.1	80.7	83.3	86.0	88.8
36	37.8	40.2	42.6	45.0	47.4	49.7	52.0	54.4	56.7	59.0	61.4	63.7	66.1	68.5	70.9	73.4	75.9	78.4	81.0	83.7	86.4	89.2
37	37.8	40.3	42.8	45.2	47.6	50.0	52.3	54.7	57.0	59.4	61.7	64.1	66.4	68.9	71.3	73.7	76.2	78.8	81.4	84.0	86.7	89.5
38	37.8	40.4	42.9	45.3	47.8	50.2	52.6	55.0	57.3	59.7	62.1	64.4	66.8	69.2	71.7	74.1	76.6	79.2	81.8	84.4	87.1	89.9
39	37.8	40.4	43.0	45.5	48.0	50.4	52.9	55.3	57.7	60.1	62.4	64.8	67.2	69.6	72.1	74.5	77.0	79.6	82.1	84.8	87.5	90.2
40	- - -	40.4	43.0	45.6	48.2	50.7	53.1	55.6	58.0	60.4	62.8	65.2	67.6	70.0	72.5	74.9	77.4	80.0	82.6	85.2	87.9	90.6
41	- - -	40.4	43.1	45.8	48.4	50.9	53.4	55.9	58.4	60.8	63.2	65.6	68.0	70.5	72.9	75.4	77.9	80.4	83.0	85.6	88.3	91.0
42	- - -	40.3	43.1	45.9	48.5	51.1	53.7	56.2	58.7	61.2	63.6	66.0	68.5	70.9	73.3	75.8	78.3	80.8	83.4	86.0	88.7	91.4
43	- - -	40.3	43.2	46.0	48.7	51.4	54.0	56.5	59.1	61.6	64.0	66.5	68.9	71.3	73.8	76.3	78.8	81.3	83.8	86.5	89.1	91.9
44	- - -	40.2	43.2	46.1	48.9	51.6	54.3	56.9	59.4	62.0	64.4	66.9	69.4	71.8	74.3	76.7	79.2	81.7	84.3	86.9	89.6	92.3
45	- - -	- - -	43.2	46.1	49.0	51.8	54.5	57.2	59.8	62.4	64.9	67.4	69.8	72.3	74.7	77.2	79.7	82.2	84.8	87.4	90.0	92.8
46	- - -	- - -	43.1	46.2	49.2	52.0	54.8	57.5	60.2	62.8	65.3	67.8	70.3	72.8	75.2	77.7	80.2	82.7	85.2	87.8	90.5	93.2
47	- - -	- - -	43.1	46.2	49.3	52.3	55.1	57.9	60.6	63.2	65.8	68.3	70.8	73.3	75.7	78.2	80.7	83.2	85.7	88.3	91.0	93.7
48	- - -	- - -	43.0	46.3	49.4	52.5	55.4	58.2	61.0	63.6	66.2	68.8	71.3	73.8	76.3	78.7	81.2	83.7	86.3	88.8	91.5	94.2
49	- - -	- - -	- - -	46.3	49.6	52.7	55.7	58.6	61.4	64.1	66.7	69.3	71.8	74.3	76.8	79.3	81.7	84.2	86.8	89.4	92.0	94.7
50	- - -	- - -	- - -	46.3	49.7	52.9	56.0	58.9	61.8	64.5	67.2	69.8	72.3	74.8	77.3	79.8	82.3	84.8	87.3	89.9	92.5	95.2

Legend: SCT = Saturated Condensing Temperature, R-407c.  
 SST = Saturated Suction Temperature, R-407c.

- Notes: 1. Data subject to a +/- 5% tolerance.  
 2. Data based on 9 degrees Fahrenheit Subcooling & Superheat.  
 3. - - - indicates conditions outside of the approved operating range.  
 4. Operation outside the range of 14-46 deg F SST or 95-130 SCT is limited.  
 See ACCS publication **AC-02-006-01-0051** for details.