



COMPONENT SPECIALISTS

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

Model: HITACHI 5005SC-Z

CAPACITY- 1,000 BTU/Hr. - 60 Hz. HITACHI 5005 COMPRESSOR, REFRIGERANT R-407c

SCT → SST	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140
5	413.2	399.9	386.9	374.2	361.9	349.8	338.0	326.5	315.3	304.5	293.9	283.6	273.6	263.9	254.6	245.5	236.7	228.1	219.9	212.0	204.3	197.0
10	459.5	446.3	433.3	420.5	408.0	395.6	383.5	371.6	359.9	348.4	337.2	326.2	315.3	304.7	294.3	284.1	274.2	264.4	254.8	245.5	236.4	227.4
15	512.2	498.7	485.3	472.1	459.1	446.2	433.5	420.9	408.5	396.3	384.2	372.3	360.6	349.0	337.6	326.3	315.2	304.3	293.5	282.9	272.4	262.1
20	571.5	557.3	543.3	529.3	515.5	501.8	488.3	474.8	461.5	448.4	435.4	422.5	409.7	397.1	384.6	372.2	360.0	348.0	336.0	324.3	312.6	301.1
25	637.7	622.5	607.4	592.5	577.6	562.9	548.2	533.7	519.3	505.1	490.9	476.9	463.1	449.3	435.7	422.3	408.9	395.8	382.7	369.8	357.1	344.5
30	711.1	694.6	678.2	661.9	645.7	629.7	613.7	598.0	582.3	566.8	551.4	536.1	521.0	506.1	491.3	476.6	462.2	447.8	433.7	419.7	405.9	392.2
31	726.6	709.8	693.1	676.5	660.1	643.8	627.5	611.5	595.5	579.7	564.1	548.6	533.2	518.0	502.9	488.1	473.3	458.8	444.4	430.2	416.2	402.3
32	742.5	725.3	708.3	691.5	674.7	658.1	641.6	625.2	609.0	592.9	577.0	561.2	545.6	530.1	514.8	499.7	484.7	469.9	455.3	440.9	426.6	412.6
33	758.6	741.2	723.9	706.7	689.6	672.7	655.9	639.2	622.7	606.3	590.1	574.1	558.2	542.4	526.9	511.5	496.3	481.2	466.4	451.7	437.3	423.0
34	775.0	757.3	739.6	722.1	704.7	687.5	670.4	653.4	636.6	620.0	603.5	587.1	570.9	554.9	539.1	523.5	508.0	492.7	477.7	462.8	448.1	433.6
35	791.8	773.7	755.7	737.9	720.2	702.6	685.2	667.9	650.8	633.8	617.0	600.4	583.9	567.7	551.6	535.7	519.9	504.4	489.1	474.0	459.1	444.4
36	808.8	790.4	772.1	753.9	735.8	717.9	700.2	682.6	665.2	647.9	630.8	613.9	597.1	580.6	564.2	548.0	532.1	516.3	500.7	485.4	470.3	455.4
37	826.2	807.4	788.7	770.2	751.8	733.6	715.5	697.6	679.8	662.2	644.8	627.6	610.6	593.7	577.1	560.6	544.4	528.4	512.6	497.0	481.7	466.6
38	843.8	824.7	805.6	786.7	768.0	749.4	731.0	712.8	694.7	676.8	659.1	641.5	624.2	607.1	590.1	573.4	556.9	540.6	524.6	508.8	493.2	477.9
39	861.8	842.2	822.8	803.6	784.5	765.6	746.8	728.2	709.8	691.6	673.5	655.7	638.0	620.6	603.4	586.4	569.6	553.1	536.8	520.7	504.9	489.4
40	---	860.1	840.4	820.7	801.3	782.0	762.9	743.9	725.2	706.6	688.2	670.1	652.1	634.4	616.9	599.6	582.5	565.7	549.2	532.9	516.9	501.1
41	---	878.3	858.2	838.2	818.3	798.7	779.2	759.9	740.8	721.9	703.2	684.7	666.4	648.4	630.6	613.0	595.7	578.6	561.8	545.2	529.0	513.0
42	---	896.8	876.3	855.9	835.7	815.6	795.8	776.1	756.7	737.4	718.4	699.5	681.0	662.6	644.5	626.6	609.0	591.7	574.6	557.8	541.3	525.0
43	---	915.7	894.7	873.9	853.3	832.9	812.6	792.6	772.8	753.2	733.8	714.6	695.7	677.0	658.6	640.4	622.5	604.9	587.6	570.5	553.7	537.3
44	---	934.8	913.4	892.2	871.2	850.4	829.8	809.4	789.2	769.2	749.5	730.0	710.7	691.7	673.0	654.5	636.3	618.4	600.7	583.4	566.4	549.7
45	---	---	932.4	910.8	889.4	868.2	847.2	826.4	805.8	785.5	765.4	745.5	725.9	706.6	687.5	668.7	650.2	632.0	614.1	596.5	579.3	562.3
46	---	---	951.8	929.7	907.9	886.3	864.9	843.7	822.8	802.0	781.6	761.4	741.4	721.7	702.3	683.2	664.4	645.9	627.7	609.8	592.3	575.1
47	---	---	971.4	949.0	926.7	904.7	882.9	861.3	839.9	818.9	798.0	777.4	757.1	737.1	717.4	697.9	678.8	660.0	641.5	623.3	605.5	588.1
48	---	---	991.4	968.5	945.8	923.4	901.1	879.2	857.4	835.9	814.7	793.8	773.1	752.7	732.6	712.9	693.4	674.3	655.5	637.0	618.9	601.2
49	---	---	---	988.3	965.2	942.3	919.7	897.3	875.1	853.3	831.7	810.3	789.3	768.6	748.1	728.0	708.2	688.8	669.7	650.9	632.6	614.6
50	---	---	---	1008.4	984.9	961.6	938.5	915.7	893.2	870.9	848.9	827.2	805.7	784.6	763.9	743.4	723.3	703.5	684.1	665.0	646.4	628.1

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.



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Model: HITACHI 5005SC-Z

AMPS - 208/3/60 Hz. HITACHI 5005 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	76.8	82.7	88.6	94.3	100.0	105.7	111.3	116.9	122.5	128.1	133.6	139.2	144.8	150.4	156.1	161.8	167.6	173.4	179.4	185.4	191.5	197.7	
10	80.6	86.2	91.8	97.3	102.8	108.2	113.6	119.1	124.5	129.9	135.4	140.9	146.4	152.1	157.7	163.5	169.3	175.2	181.2	187.4	193.6	200.0	
15	84.1	89.5	94.9	100.2	105.5	110.8	116.1	121.4	126.7	132.1	137.5	143.0	148.5	154.1	159.7	165.5	171.4	177.3	183.4	189.7	196.0	202.6	
20	87.4	92.6	97.9	103.1	108.3	113.6	118.8	124.0	129.3	134.6	140.0	145.4	150.9	156.5	162.2	168.0	173.9	179.9	186.1	192.4	198.8	205.4	
25	90.3	95.6	100.8	106.0	111.2	116.5	121.7	126.9	132.2	137.5	142.9	148.4	153.9	159.5	165.2	171.0	176.9	183.0	189.2	195.5	202.0	208.7	
30	93.0	98.4	103.7	109.0	114.3	119.6	124.8	130.1	135.5	140.9	146.3	151.8	157.3	163.0	168.7	174.6	180.5	186.6	192.9	199.2	205.7	212.4	
31	93.5	98.9	104.3	109.6	114.9	120.2	125.5	130.8	136.2	141.6	147.0	152.5	158.1	163.8	169.5	175.4	181.3	187.4	193.7	200.0	206.6	213.3	
32	94.1	99.5	104.8	110.2	115.5	120.8	126.2	131.5	136.9	142.3	147.8	153.3	158.9	164.6	170.3	176.2	182.2	188.3	194.5	200.9	207.4	214.1	
33	94.6	100.0	105.4	110.8	116.2	121.5	126.9	132.2	137.6	143.1	148.6	154.1	159.7	165.4	171.2	177.0	183.0	189.1	195.4	201.7	208.3	215.0	
34	95.0	100.5	106.0	111.4	116.8	122.2	127.6	133.0	138.4	143.8	149.3	154.9	160.5	166.2	172.0	177.9	183.9	190.0	196.2	202.6	209.2	215.9	
35	95.5	101.1	106.6	112.0	117.4	122.9	128.3	133.7	139.2	144.6	150.2	155.7	161.4	167.1	172.9	178.8	184.8	190.9	197.2	203.6	210.1	216.8	
36	96.0	101.6	107.1	112.6	118.1	123.5	129.0	134.5	139.9	145.5	151.0	156.6	162.3	168.0	173.8	179.7	185.7	191.9	198.1	204.5	211.0	217.7	
37	96.5	102.1	107.7	113.2	118.8	124.2	129.7	135.2	140.7	146.3	151.9	157.5	163.2	168.9	174.7	180.7	186.7	192.8	199.1	205.5	212.0	218.7	
38	96.9	102.6	108.3	113.9	119.4	125.0	130.5	136.0	141.6	147.1	152.7	158.4	164.1	169.9	175.7	181.6	187.7	193.8	200.1	206.5	213.0	219.7	
39	97.4	103.1	108.8	114.5	120.1	125.7	131.3	136.8	142.4	148.0	153.6	159.3	165.0	170.8	176.7	182.7	188.7	194.9	201.1	207.5	214.1	220.8	
40	---	103.6	109.4	115.1	120.8	126.4	132.0	137.6	143.3	148.9	154.6	160.3	166.0	171.8	177.7	183.7	189.7	195.9	202.2	208.6	215.1	221.8	
41	---	104.1	110.0	115.7	121.5	127.2	132.8	138.5	144.1	149.8	155.5	161.3	167.0	172.9	178.8	184.8	190.8	197.0	203.3	209.7	216.2	222.9	
42	---	104.7	110.5	116.4	122.2	127.9	133.6	139.3	145.0	150.8	156.5	162.3	168.1	173.9	179.9	185.9	191.9	198.1	204.4	210.8	217.4	224.1	
43	---	105.2	111.1	117.0	122.9	128.7	134.4	140.2	146.0	151.7	157.5	163.3	169.1	175.0	181.0	187.0	193.1	199.3	205.6	212.0	218.5	225.2	
44	---	105.7	111.7	117.7	123.6	129.4	135.3	141.1	146.9	152.7	158.5	164.3	170.2	176.1	182.1	188.1	194.3	200.5	206.8	213.2	219.7	226.4	
45	---	---	112.3	118.3	124.3	130.2	136.1	142.0	147.9	153.7	159.6	165.4	171.3	177.3	183.3	189.3	195.5	201.7	208.0	214.4	221.0	227.6	
46	---	---	112.8	119.0	125.0	131.0	137.0	142.9	148.8	154.7	160.6	166.5	172.5	178.5	184.5	190.6	196.7	202.9	209.3	215.7	222.2	228.9	
47	---	---	113.4	119.6	125.8	131.8	137.9	143.9	149.8	155.8	161.7	167.7	173.7	179.7	185.7	191.8	198.0	204.2	210.6	217.0	223.5	230.2	
48	---	---	114.0	120.3	126.5	132.7	138.8	144.8	150.8	156.8	162.8	168.8	174.9	180.9	187.0	193.1	199.3	205.6	211.9	218.3	224.9	231.6	
49	---	---	---	121.0	127.3	133.5	139.7	145.8	151.9	157.9	164.0	170.0	176.1	182.2	188.3	194.4	200.6	206.9	213.3	219.7	226.3	232.9	
50	---	---	---	121.7	128.0	134.4	140.6	146.8	152.9	159.1	165.2	171.3	177.4	183.5	189.6	195.8	202.0	208.3	214.7	221.1	227.7	234.3	

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.
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AMPS - 230/3/60 Hz. HITACHI 5005 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	78.4	83.4	88.3	93.2	98.1	102.9	107.8	112.6	117.5	122.3	127.2	132.1	137.1	142.1	147.1	152.3	157.5	162.8	168.2	173.7	179.3	185.1	
10	82.0	86.7	91.4	96.0	100.7	105.3	110.0	114.6	119.3	124.0	128.8	133.6	138.5	143.4	148.5	153.6	158.8	164.1	169.5	175.1	180.8	186.7	
15	85.3	89.8	94.3	98.8	103.2	107.7	112.3	116.8	121.4	126.0	130.7	135.4	140.2	145.1	150.1	155.2	160.4	165.7	171.2	176.8	182.5	188.5	
20	88.2	92.6	97.0	101.4	105.8	110.2	114.6	119.1	123.6	128.2	132.8	137.5	142.3	147.2	152.2	157.2	162.4	167.8	173.2	178.9	184.6	190.6	
25	90.8	95.2	99.6	104.0	108.3	112.7	117.2	121.6	126.1	130.7	135.3	140.0	144.8	149.7	154.6	159.7	164.9	170.3	175.8	181.4	187.2	193.1	
30	93.1	97.5	102.0	106.4	110.9	115.3	119.8	124.3	128.9	133.5	138.2	142.9	147.7	152.6	157.6	162.7	168.0	173.3	178.8	184.5	190.3	196.3	
31	93.5	98.0	102.5	106.9	111.4	115.9	120.4	124.9	129.5	134.1	138.8	143.5	148.4	153.3	158.3	163.4	168.7	174.0	179.5	185.2	191.0	197.0	
32	93.9	98.4	102.9	107.4	111.9	116.4	120.9	125.5	130.1	134.7	139.4	144.2	149.0	154.0	159.0	164.1	169.4	174.7	180.2	185.9	191.7	197.7	
33	94.2	98.8	103.4	107.9	112.4	117.0	121.5	126.1	130.7	135.4	140.1	144.9	149.7	154.7	159.7	164.8	170.1	175.5	181.0	186.7	192.5	198.5	
34	94.6	99.2	103.8	108.4	112.9	117.5	122.1	126.7	131.3	136.0	140.7	145.5	150.4	155.4	160.4	165.6	170.8	176.2	181.8	187.4	193.3	199.2	
35	95.0	99.6	104.2	108.8	113.4	118.0	122.7	127.3	132.0	136.7	141.4	146.2	151.1	156.1	161.2	166.3	171.6	177.0	182.6	188.2	194.1	200.0	
36	95.3	100.0	104.7	109.3	114.0	118.6	123.2	127.9	132.6	137.3	142.1	147.0	151.9	156.9	162.0	167.1	172.4	177.9	183.4	189.1	194.9	200.9	
37	95.6	100.4	105.1	109.8	114.5	119.2	123.8	128.5	133.3	138.0	142.8	147.7	152.7	157.7	162.8	168.0	173.3	178.7	184.3	189.9	195.8	201.8	
38	96.0	100.8	105.5	110.3	115.0	119.7	124.4	129.2	133.9	138.7	143.6	148.5	153.4	158.5	163.6	168.8	174.1	179.6	185.1	190.8	196.7	202.7	
39	96.3	101.1	105.9	110.7	115.5	120.3	125.0	129.8	134.6	139.5	144.3	149.3	154.3	159.3	164.5	169.7	175.0	180.5	186.1	191.8	197.6	203.6	
40	---	101.5	106.3	111.2	116.0	120.8	125.7	130.5	135.3	140.2	145.1	150.1	155.1	160.2	165.3	170.6	176.0	181.4	187.0	192.7	198.6	204.6	
41	---	101.8	106.8	111.7	116.5	121.4	126.3	131.2	136.0	141.0	145.9	150.9	155.9	161.1	166.3	171.5	176.9	182.4	188.0	193.7	199.6	205.6	
42	---	102.1	107.1	112.1	117.1	122.0	126.9	131.8	136.8	141.7	146.7	151.7	156.8	162.0	167.2	172.5	177.9	183.4	189.0	194.8	200.6	206.7	
43	---	102.5	107.5	112.6	117.6	122.6	127.6	132.5	137.5	142.5	147.5	152.6	157.7	162.9	168.2	173.5	178.9	184.4	190.1	195.8	201.7	207.8	
44	---	102.8	107.9	113.0	118.1	123.2	128.2	133.2	138.3	143.3	148.4	153.5	158.7	163.9	169.2	174.5	180.0	185.5	191.2	196.9	202.8	208.9	
45	---	---	108.3	113.5	118.6	123.8	128.9	133.9	139.0	144.1	149.3	154.4	159.6	164.9	170.2	175.6	181.0	186.6	192.3	198.1	204.0	210.0	
46	---	---	108.7	114.0	119.2	124.4	129.5	134.7	139.8	145.0	150.2	155.4	160.6	165.9	171.2	176.7	182.2	187.7	193.4	199.3	205.2	211.2	
47	---	---	109.1	114.4	119.7	125.0	130.2	135.4	140.6	145.8	151.1	156.3	161.6	166.9	172.3	177.8	183.3	188.9	194.6	200.5	206.4	212.5	
48	---	---	109.4	114.9	120.2	125.6	130.9	136.2	141.4	146.7	152.0	157.3	162.6	168.0	173.4	178.9	184.5	190.1	195.9	201.7	207.7	213.8	
49	---	---	---	115.3	120.8	126.2	131.6	136.9	142.3	147.6	152.9	158.3	163.7	169.1	174.6	180.1	185.7	191.4	197.1	203.0	209.0	215.1	
50	---	---	---	115.8	121.3	126.8	132.3	137.7	143.1	148.5	153.9	159.3	164.8	170.2	175.7	181.3	186.9	192.7	198.5	204.3	210.3	216.5	

Legend: SCT = Saturated Condensing Temperature, R-407c.
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AMPS - 460/3/60 Hz. HITACHI 5005 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	38.9	41.3	43.8	46.2	48.7	51.1	53.5	55.9	58.3	60.8	63.2	65.7	68.2	70.8	73.4	76.0	78.6	81.4	84.1	86.9	89.8	92.8	
10	40.7	43.0	45.4	47.7	50.0	52.3	54.7	57.0	59.4	61.7	64.2	66.6	69.1	71.6	74.2	76.8	79.5	82.2	85.0	87.9	90.8	93.8	
15	42.3	44.5	46.8	49.0	51.3	53.5	55.8	58.1	60.4	62.8	65.2	67.6	70.0	72.5	75.1	77.7	80.4	83.1	86.0	88.9	91.8	94.9	
20	43.6	45.8	48.1	50.3	52.5	54.7	57.0	59.3	61.6	63.9	66.3	68.7	71.1	73.6	76.2	78.8	81.5	84.2	87.0	89.9	92.9	96.0	
25	44.7	47.0	49.2	51.5	53.7	55.9	58.2	60.5	62.8	65.1	67.5	69.9	72.4	74.9	77.4	80.0	82.7	85.5	88.3	91.2	94.1	97.2	
30	45.6	48.0	50.3	52.6	54.8	57.2	59.5	61.8	64.1	66.5	68.9	71.3	73.8	76.3	78.9	81.5	84.2	86.9	89.8	92.6	95.6	98.7	
31	45.8	48.1	50.5	52.8	55.1	57.4	59.7	62.1	64.4	66.8	69.2	71.6	74.1	76.7	79.2	81.8	84.5	87.3	90.1	93.0	95.9	99.0	
32	46.0	48.3	50.6	53.0	55.3	57.6	60.0	62.3	64.7	67.1	69.5	72.0	74.5	77.0	79.6	82.2	84.9	87.6	90.4	93.3	96.3	99.3	
33	46.1	48.5	50.8	53.2	55.5	57.9	60.2	62.6	65.0	67.4	69.8	72.3	74.8	77.3	79.9	82.5	85.2	88.0	90.8	93.7	96.6	99.7	
34	46.2	48.6	51.0	53.4	55.8	58.1	60.5	62.9	65.3	67.7	70.2	72.6	75.1	77.7	80.3	82.9	85.6	88.3	91.2	94.0	97.0	100.0	
35	46.3	48.8	51.2	53.6	56.0	58.4	60.8	63.2	65.6	68.0	70.5	73.0	75.5	78.0	80.6	83.3	86.0	88.7	91.5	94.4	97.4	100.4	
36	46.5	48.9	51.4	53.8	56.2	58.6	61.1	63.5	65.9	68.4	70.8	73.3	75.9	78.4	81.0	83.7	86.4	89.1	91.9	94.8	97.8	100.8	
37	46.6	49.1	51.5	54.0	56.5	58.9	61.3	63.8	66.2	68.7	71.2	73.7	76.2	78.8	81.4	84.1	86.8	89.5	92.4	95.2	98.2	101.2	
38	46.7	49.2	51.7	54.2	56.7	59.1	61.6	64.1	66.6	69.0	71.5	74.1	76.6	79.2	81.8	84.5	87.2	90.0	92.8	95.7	98.6	101.7	
39	46.8	49.3	51.9	54.4	56.9	59.4	61.9	64.4	66.9	69.4	71.9	74.4	77.0	79.6	82.2	84.9	87.6	90.4	93.2	96.1	99.1	102.1	
40	---	49.5	52.0	54.6	57.1	59.7	62.2	64.7	67.2	69.7	72.3	74.8	77.4	80.0	82.7	85.4	88.1	90.9	93.7	96.6	99.5	102.6	
41	---	49.6	52.2	54.8	57.4	59.9	62.5	65.0	67.6	70.1	72.7	75.2	77.8	80.5	83.1	85.8	88.6	91.3	94.2	97.1	100.0	103.1	
42	---	49.7	52.4	55.0	57.6	60.2	62.8	65.3	67.9	70.5	73.1	75.7	78.3	80.9	83.6	86.3	89.0	91.8	94.7	97.6	100.5	103.6	
43	---	49.8	52.5	55.2	57.8	60.5	63.1	65.7	68.3	70.9	73.5	76.1	78.7	81.4	84.1	86.8	89.6	92.3	95.2	98.1	101.1	104.1	
44	---	49.9	52.7	55.4	58.1	60.7	63.4	66.0	68.6	71.3	73.9	76.5	79.2	81.9	84.6	87.3	90.1	92.9	95.7	98.6	101.6	104.6	
45	---	---	52.8	55.6	58.3	61.0	63.7	66.3	69.0	71.7	74.3	77.0	79.7	82.4	85.1	87.8	90.6	93.4	96.3	99.2	102.2	105.2	
46	---	---	53.0	55.8	58.5	61.3	64.0	66.7	69.4	72.1	74.8	77.4	80.1	82.9	85.6	88.4	91.2	94.0	96.9	99.8	102.8	105.8	
47	---	---	53.1	55.9	58.8	61.5	64.3	67.0	69.8	72.5	75.2	77.9	80.6	83.4	86.1	88.9	91.7	94.6	97.5	100.4	103.4	106.4	
48	---	---	53.2	56.1	59.0	61.8	64.6	67.4	70.2	72.9	75.7	78.4	81.2	83.9	86.7	89.5	92.3	95.2	98.1	101.0	104.0	107.0	
49	---	---	---	56.3	59.2	62.1	64.9	67.8	70.6	73.3	76.1	78.9	81.7	84.5	87.3	90.1	92.9	95.8	98.7	101.7	104.6	107.7	
50	---	---	---	56.5	59.5	62.4	65.3	68.1	71.0	73.8	76.6	79.4	82.2	85.0	87.9	90.7	93.6	96.4	99.4	102.3	105.3	108.4	

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

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 899 S. Prairie Lane
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Model: HITACHI 5005SC-Z

KILOWATTS - 60 Hz. HITACHI 5005 COMPRESSOR, REFRIGERANT R-407c

SCT → SST	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119	122	125	128	131	134	137	140
5	24.3	26.2	28.2	30.1	32.1	34.0	36.0	37.9	39.9	41.8	43.8	45.8	47.8	49.8	51.8	53.8	55.8	57.9	60.0	62.0	64.2	66.3
10	25.9	27.7	29.6	31.4	33.2	35.1	37.0	38.8	40.7	42.6	44.5	46.5	48.4	50.4	52.4	54.4	56.5	58.5	60.6	62.7	64.9	67.1
15	27.3	29.0	30.8	32.6	34.3	36.1	37.9	39.8	41.6	43.5	45.4	47.3	49.2	51.1	53.1	55.1	57.2	59.2	61.3	63.5	65.7	67.9
20	28.5	30.2	31.9	33.7	35.4	37.2	38.9	40.7	42.5	44.4	46.2	48.1	50.0	52.0	54.0	56.0	58.0	60.1	62.2	64.3	66.5	68.7
25	29.5	31.2	32.9	34.7	36.4	38.2	39.9	41.7	43.6	45.4	47.2	49.1	51.0	53.0	54.9	57.0	59.0	61.1	63.2	65.3	67.5	69.7
30	30.4	32.1	33.9	35.6	37.4	39.2	41.0	42.8	44.6	46.5	48.4	50.3	52.2	54.1	56.1	58.1	60.1	62.2	64.3	66.4	68.6	70.8
31	30.5	32.3	34.0	35.8	37.6	39.4	41.2	43.0	44.8	46.7	48.6	50.5	52.4	54.4	56.4	58.4	60.4	62.5	64.6	66.7	68.8	71.0
32	30.7	32.4	34.2	36.0	37.8	39.6	41.4	43.2	45.1	46.9	48.8	50.7	52.7	54.6	56.6	58.6	60.7	62.7	64.8	66.9	69.1	71.3
33	30.8	32.6	34.4	36.1	38.0	39.8	41.6	43.4	45.3	47.2	49.1	51.0	52.9	54.9	56.9	58.9	60.9	63.0	65.1	67.2	69.4	71.5
34	30.9	32.7	34.5	36.3	38.1	40.0	41.8	43.7	45.5	47.4	49.3	51.3	53.2	55.2	57.2	59.2	61.2	63.3	65.4	67.5	69.6	71.8
35	31.1	32.9	34.7	36.5	38.3	40.2	42.0	43.9	45.8	47.7	49.6	51.5	53.5	55.4	57.4	59.4	61.5	63.5	65.6	67.7	69.9	72.1
36	31.2	33.0	34.8	36.7	38.5	40.4	42.2	44.1	46.0	47.9	49.8	51.8	53.7	55.7	57.7	59.7	61.8	63.8	65.9	68.0	70.2	72.3
37	31.3	33.1	35.0	36.8	38.7	40.6	42.5	44.3	46.3	48.2	50.1	52.1	54.0	56.0	58.0	60.0	62.1	64.1	66.2	68.3	70.5	72.6
38	31.4	33.2	35.1	37.0	38.9	40.8	42.7	44.6	46.5	48.4	50.4	52.4	54.3	56.3	58.3	60.4	62.4	64.5	66.5	68.6	70.8	72.9
39	31.5	33.4	35.3	37.1	39.1	41.0	42.9	44.8	46.8	48.7	50.7	52.6	54.6	56.6	58.6	60.7	62.7	64.8	66.9	69.0	71.1	73.2
40	---	33.5	35.4	37.3	39.2	41.2	43.1	45.1	47.0	49.0	51.0	52.9	54.9	56.9	59.0	61.0	63.1	65.1	67.2	69.3	71.4	73.5
41	---	33.6	35.5	37.5	39.4	41.4	43.3	45.3	47.3	49.3	51.2	53.2	55.3	57.3	59.3	61.3	63.4	65.5	67.5	69.6	71.7	73.8
42	---	33.7	35.7	37.6	39.6	41.6	43.5	45.5	47.5	49.5	51.5	53.6	55.6	57.6	59.6	61.7	63.7	65.8	67.9	70.0	72.1	74.2
43	---	33.8	35.8	37.8	39.8	41.8	43.8	45.8	47.8	49.8	51.8	53.9	55.9	58.0	60.0	62.0	64.1	66.2	68.2	70.3	72.4	74.5
44	---	33.9	35.9	37.9	39.9	42.0	44.0	46.0	48.1	50.1	52.2	54.2	56.2	58.3	60.4	62.4	64.5	66.5	68.6	70.7	72.8	74.8
45	---	---	36.0	38.1	40.1	42.2	44.2	46.3	48.3	50.4	52.5	54.5	56.6	58.7	60.7	62.8	64.9	66.9	69.0	71.1	73.1	75.2
46	---	---	36.1	38.2	40.3	42.4	44.5	46.5	48.6	50.7	52.8	54.9	57.0	59.0	61.1	63.2	65.3	67.3	69.4	71.4	73.5	75.6
47	---	---	36.2	38.4	40.5	42.6	44.7	46.8	48.9	51.0	53.1	55.2	57.3	59.4	61.5	63.6	65.7	67.7	69.8	71.8	73.9	75.9
48	---	---	36.4	38.5	40.6	42.8	44.9	47.1	49.2	51.3	53.5	55.6	57.7	59.8	61.9	64.0	66.1	68.1	70.2	72.3	74.3	76.3
49	---	---	---	38.6	40.8	43.0	45.2	47.3	49.5	51.6	53.8	55.9	58.1	60.2	62.3	64.4	66.5	68.6	70.6	72.7	74.7	76.7
50	---	---	---	38.8	41.0	43.2	45.4	47.6	49.8	52.0	54.1	56.3	58.5	60.6	62.7	64.8	66.9	69.0	71.1	73.1	75.1	77.1

Legend: SCT = Saturated Condensing Temperature, R-407c.
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- Notes: 1. Data subject to a +/- 5% tolerance.
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