



# G MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT90GAB-Y1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					6230	7750	8320	9320	10150
	P					3010	2990	2970	2960	2950
	A					5.5	5.5	5.5	5.4	5.4
	COP					2.07	2.59	2.80	3.15	3.44
54.4(21.5)	C				5580	6760	8350	8960	10010	10920
	P				2650	2620	2600	2580	2560	2550
	A				4.7	4.7	4.6	4.5	4.5	4.5
	COP				2.11	2.58	3.21	3.47	3.91	4.28
50(19.4)	C			4700	5870	7160	8770	9400	10490	11420
	P			2450	2430	2410	2390	2370	2350	2330
	A			4.4	4.4	4.4	4.3	4.3	4.3	4.2
	COP			1.92	2.42	2.97	3.67	3.97	4.46	4.90
40(15.3)	C	3210	4170	5300	6580	8050	9730	10400	11600	12580
	P	1970	1970	1950	1940	1920	1900	1880	1860	1850
	A	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6
	COP	1.63	2.12	2.72	3.39	4.19	5.12	5.53	6.24	6.80
30(11.9)	C	3610	4690	5870	7300	8880	10650	11370	12650	13750
	P	1550	1550	1540	1520	1500	1490	1480	1470	1460
	A	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1
	COP	2.33	3.03	3.81	4.80	5.92	7.15	7.68	8.61	9.42

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# G MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT95GABY1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					7250	8820	9550	10720	11720
	P					3630	3590	3570	3540	3510
	A					5.5	5.5	5.5	5.4	5.4
	COP					2.00	2.46	2.68	3.03	3.34
54.4(21.5)	C				6330	7990	9670	10440	11640	12710
	P				3040	3030	3002	3010	2990	2970
	A				4.7	4.7	4.6	4.6	4.5	4.5
	COP				2.08	2.64	3.22	3.47	3.89	4.28
50(19.4)	C			5420	6750	8360	10130	10930	12140	13250
	P			2820	2800	2780	2740	2740	2720	2710
	A			4.4	4.4	4.4	4.3	4.3	4.3	4.2
	COP			1.92	2.41	3.01	3.70	3.99	4.46	4.89
40(15.3)	C	3750	4820	6150	7670	9390	11290	12090	13300	14370
	P	2240	2240	2220	2210	2000	2180	2160	2140	2120
	A	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6
	COP	1.67	2.15	2.77	3.47	4.70	5.18	5.60	6.21	6.78
30(11.9)	C	4190	5470	6900	8470	10190	12000	12740	13920	14900
	P	1780	1780	1770	1750	1730	1710	1690	1670	1650
	A	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1
	COP	2.35	3.07	3.90	4.84	5.89	7.02	7.54	8.34	9.03

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# G MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT160GABY1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
65.5(27.2)	C						13340	14420	16210	17810
	P						6100	6100	6150	6150
	A						10.1	10.1	10.2	10.2
	COP						2.19	2.36	2.64	2.90
60(24.3)	C					11550	14220	15370	17250	18930
	P					5430	5430	5450	5450	5470
	A					8.9	8.9	8.9	9.0	9.0
	COP					2.13	2.62	2.82	3.17	3.46
54.4(21.5)	C				10470	12780	15550	16760	18830	20590
	P				4780	4780	4790	4790	4790	4820
	A				7.3	7.4	7.4	7.5	7.5	7.5
	COP				2.19	2.67	3.25	3.50	3.93	4.27
50(19.4)	C			8530	10780	13320	16170	17480	19460	21250
	P			4250	4270	4290	4300	4320	4320	4340
	A			6.6	6.7	6.7	6.8	6.8	6.8	6.9
	COP			2.01	2.52	3.10	3.76	4.05	4.50	4.90
40(15.3)	C	5800	7650	9750	12150	14850	17900	19300	21480	23370
	P	3370	3390	3390	3410	3410	3410	3430	3430	3450
	A	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8
	COP	1.72	2.26	2.88	3.56	4.35	5.25	5.63	6.26	6.77
30(11.9)	C	6650	8600	10800	13350	16270	19590	21010	23400	25390
	P	2670	2670	2690	2710	2710	2730	2750	2750	2770
	A	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8
	COP	2.49	3.22	4.01	4.93	6.00	7.18	7.64	8.51	9.17

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# G MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT170GABY1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					12320	15150	16330	18270	19850
	P					5730	5750	5750	5770	5770
	A					9.5	9.5	9.6	9.6	9.6
	COP					2.15	2.63	2.84	3.17	3.44
54.4(21.5)	C				11170	13740	16630	17900	19830	21570
	P				5100	5100	5120	5120	5150	5150
	A				8	8.1	8.1	8.2	8.2	8.3
	COP				2.19	2.69	3.25	3.50	3.85	4.19
50(19.4)	C			9250	11560	14200	17130	18420	20410	22220
	P			4510	4530	4530	4550	4550	4570	4600
	A			6.9	7	7	7.1	7.1	7.2	7.2
	COP			2.05	2.55	3.13	3.76	4.05	4.47	4.83
40(15.3)	C	6420	8320	10530	12980	15750	18940	20350	22550	24460
	P	3550	3580	3600	3600	3620	3650	3680	3700	3730
	A	5.9	6	6	6.1	6.1	6.1	6.2	6.2	6.2
	COP	1.81	2.32	2.93	3.61	4.35	5.19	5.53	6.09	6.56
30(11.9)	C	7290	9330	11620	14260	17270	20650	22120	24430	26520
	P	2800	2820	2850	2870	2900	2960	3000	3060	3100
	A	5.2	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4
	COP	2.60	3.31	4.08	4.97	5.96	6.98	7.37	7.98	8.55

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# D MODEL DAIKIN SCROLL COMPRESSORS

**50HERTZ**

**PERFORMANCE DATA**

**R22**

**RATING CONDITIONS (ASRE)**

**27.8°C Superheat**

**8.3°C Subcooling**

**35°C Ambient Air**

**Rated Voltage:380/420-3-50**

**Test Voltage:380-3-50**

## JT212D-Y1L

**Condensing Temperature °C**

**Evaporating Temperature °C (Sat Dew Pressure,Bar)**

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	<b>C</b>					16300	20100	21650	24300	26750
	<b>P</b>					7760	7790	7820	7870	7920
	<b>A</b>					12.5	12.5	12.6	12.7	12.8
	<b>COP</b>					2.10	2.58	2.77	3.09	3.38
54.4(21.5)	<b>C</b>				14820	18250	22240	23870	26520	28970
	<b>P</b>				6950	6980	6990	6990	7030	7070
	<b>A</b>				11.3	11.2	11.2	11.2	11.3	11.3
	<b>COP</b>				2.13	2.61	3.18	3.41	3.77	4.10
50(19.4)	<b>C</b>			12100	15400	19100	23200	24950	27650	30220
	<b>P</b>			6150	6190	6230	6250	6250	6300	6350
	<b>A</b>			10.6	10.7	10.7	10.8	10.8	10.9	10.9
	<b>COP</b>			1.97	2.49	3.07	3.71	3.99	4.39	4.76
40(15.3)	<b>C</b>	8200	11000	13980	17450	21400	25700	27550	30420	33220
	<b>P</b>	4870	4890	4930	4970	5000	5040	5090	5130	5180
	<b>A</b>	9.3	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6
	<b>COP</b>	1.68	2.25	2.84	3.51	4.28	5.10	5.41	5.93	6.41
30(11.9)	<b>C</b>	9720	12610	15770	19390	23400	27900	29850	32850	35970
	<b>P</b>	3880	3900	3930	3950	3980	4030	4080	4120	4170
	<b>A</b>	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.5	8.5
	<b>COP</b>	2.51	3.23	4.01	4.91	5.88	6.92	7.32	7.97	8.63

**C: Capacity (Watts)**

**P: Power (Watts)**

**A: Current(Amps)**

**COP: (Watts/Watts)**



# D MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT265D-Y1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					21500	25900	27700	30500	32800
	P					9200	9200	9250	9300	9300
	A					15.6	15.7	15.7	15.7	16.0
	COP					2.34	2.82	2.99	3.28	3.53
54.4(21.5)	C				19290	23090	27550	29700	32500	35000
	P				8400	8450	8500	8560	8620	8680
	A				13.5	13.5	13.57	13.6	13.7	13.8
	COP				2.30	2.73	3.24	3.47	3.77	4.03
50(19.4)	C			16300	20000	24200	28700	31000	34050	36600
	P			7250	7300	7350	7400	7450	7500	7550
	A			11.5	11.5	11.6	11.7	11.7	11.8	11.9
	COP			2.25	2.74	3.29	3.88	4.16	4.54	4.85
40(15.3)	C	11900	14700	18100	22000	26600	31500	33800	37100	39900
	P	5700	5750	5800	5850	5910	5970	6030	6080	6150
	A	10.5	10.6	10.6	10.7	10.7	10.8	10.9	11	11.1
	COP	2.09	2.56	3.12	3.76	4.50	5.28	5.61	6.10	6.49
30(11.9)	C	12950	16100	19800	24100	28800	34100	36600	39900	43000
	P	4530	4580	4630	4690	4750	4800	4870	4950	5020
	A	9.3	9.3	9.4	9.5	9.6	9.7	9.8	9.9	9.9
	COP	2.86	3.52	4.28	5.14	6.06	7.10	7.52	8.06	8.57

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# D MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT300D-Y1L

Condensing Temperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					23700	28500	30700	34100	36800
	P					10700	10800	10900	10900	11000
	A					16.9	17	17.1	17.2	17.2
	COP					2.21	2.64	2.82	3.13	3.35
54.4(21.5)	C				21800	26100	30900	33200	36800	39700
	P				9350	9400	9450	9520	9600	9680
	A				14.8	14.9	15	15	15.1	15.2
	COP				2.33	2.78	3.27	3.49	3.83	4.10
50(19.4)	C			18500	22600	27200	32100	34500	38200	41200
	P			8300	8400	8500	8600	8750	8850	8950
	A			13.6	13.7	13.8	13.9	14	14.1	14.2
	COP			2.23	2.69	3.20	3.73	3.94	4.32	4.60
40(15.3)	C	13700	16900	20700	25000	30000	35300	38000	41700	44900
	P	6500	6550	6620	6700	6800	6900	7000	7100	7200
	A	11.6	11.7	11.8	11.9	12	12.1	12.2	12.3	12.4
	COP	2.11	2.58	3.13	3.73	4.41	5.12	5.43	5.87	6.24
30(11.9)	C	15150	18700	22800	27500	32800	38500	41200	44900	48600
	P	5150	5200	5250	5320	5400	5500	5600	5700	5800
	A	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
	COP	2.94	3.60	4.34	5.17	6.07	7.00	7.36	7.88	8.38

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)



# D MODEL DAIKIN SCROLL COMPRESSORS

50HERTZ

PERFORMANCE DATA

R22

## RATING CONDITIONS (ASRE)

27.8°C Superheat

8.3°C Subcooling

35°C Ambient Air

Rated Voltage:380/420-3-50

Test Voltage:380-3-50

### JT300D-Y1L

Condensing Teperature °C

Evaporating Temperature °C (Sat Dew Pressure,Bar)

(Sat Dew Pressure,Bar)

		-20(2.4)	-15(3.0)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7.2(6.2)	10(6.8)	12.5(7.3)
60(24.3)	C					23700	28500	30700	34100	36800
	P					10700	10800	10900	10900	11000
	A					16.9	17	17.1	17.2	17.2
	COP					2.21	2.64	2.82	3.13	3.35
54.4(21.5)	C				21800	26100	30900	33200	36800	39700
	P				9350	9400	9450	9520	9600	9680
	A				14.8	14.9	15	15	15.1	15.2
	COP				2.33	2.78	3.27	3.49	3.83	4.10
50(19.4)	C			18500	22600	27200	32100	34500	38200	41200
	P			8300	8400	8500	8600	8750	8850	8950
	A			13.6	13.7	13.8	13.9	14	14.1	14.2
	COP			2.23	2.69	3.20	3.73	3.94	4.32	4.60
40(15.3)	C	13700	16900	20700	25000	30000	35300	38000	41700	44900
	P	6500	6550	6620	6700	6800	6900	7000	7100	7200
	A	11.6	11.7	11.8	11.9	12	12.1	12.2	12.3	12.4
	COP	2.11	2.58	3.13	3.73	4.41	5.12	5.43	5.87	6.24
30(11.9)	C	15150	18700	22800	27500	32800	38500	41200	44900	48600
	P	5150	5200	5250	5320	5400	5500	5600	5700	5800
	A	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
	COP	2.94	3.60	4.34	5.17	6.07	7.00	7.36	7.88	8.38

C: Capacity (Watts)

P: Power (Watts)

A: Current(Amps)

COP: (Watts/Watts)