

## 6. Performance Curves (30rps)

<b>Power Source</b>	<b>3φ 60Hz 146V</b>
<b>Cooling Type</b>	<b>Natural Cooling</b>
<b>Refrigerant</b>	<b>R410A</b>
<b>Rotation Speed:</b>	<b>30rps</b>
<b>Suction Gas Superheat</b>	<b>11.1K</b>
<b>Sub Cooling</b>	<b>8.3K</b>

### CAPACITY(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	5,910	6,920	7,670	9,480	10,880	11,880	12,980	13,820
40.5	5,570	6,530	7,250	8,970	10,320	11,280	12,330	13,140
45.0	5,250	6,160	6,850	8,500	9,790	10,710	11,710	12,490
50.0	4,950	5,820	6,470	8,040	9,280	10,160	11,130	11,870
54.4		5,530	6,160	7,660	8,850	9,700	10,630	11,350
60.0			5,780	7,210	8,340	9,150	10,030	10,720

### POWER(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	2,220	2,230	2,240	2,260	2,270	2,280	2,290	2,290
40.5	2,570	2,580	2,580	2,600	2,610	2,610	2,620	2,620
45.0	3,010	3,010	3,020	3,020	3,030	3,030	3,030	3,040
50.0	3,550	3,550	3,540	3,540	3,540	3,540	3,530	3,530
54.4		4,090	4,080	4,070	4,060	4,050	4,040	4,040
60.0			4,870	4,840	4,810	4,800	4,780	4,770

### INV CURRENT(A)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	11.5	11.6	11.7	11.8	11.8	11.9	11.9	12.0
40.5	13.1	13.2	13.2	13.3	13.3	13.4	13.4	13.4
45.0	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.1
50.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
54.4		19.3	19.3	19.3	19.2	19.2	19.2	19.2
60.0			22.4	22.3	22.2	22.1	22.0	22.0

#### NOTE:

\* The performance values are varied by Driver characteristics.

## Section 6. Performance Curves (60rps)

<b>Power Source</b>	<b>3φ 60Hz 275V</b>
<b>Cooling Type</b>	<b>Natural Cooling</b>
<b>Refrigerant</b>	<b>R410A</b>
<b>Rotation Speed:</b>	<b>60rps</b>
<b>Suction Gas Superheat</b>	<b>11.1K</b>
<b>Sub Cooling</b>	<b>8.3K</b>

### CAPACITY(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	13,310	15,660	17,420	21,650	24,960	27,330	29,930	31,930
40.5	12,480	14,690	16,350	20,340	23,470	25,710	28,170	30,060
45.0	11,840	13,940	15,520	19,320	22,310	24,450	26,790	28,600
50.0	11,160	13,140	14,650	18,250	21,090	23,120	25,340	27,060
54.4		12,480	13,920	17,350	20,060	22,000	24,130	25,770
60.0			13,040	16,280	18,830	20,660	22,670	24,220
65.0				15,380	17,800	19,540	21,450	22,920

### POWER(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	4,180	4,270	4,340	4,470	4,560	4,610	4,670	4,710
40.5	4,810	4,890	4,940	5,050	5,120	5,170	5,210	5,240
45.0	5,430	5,490	5,530	5,610	5,660	5,690	5,730	5,750
50.0	6,210	6,250	6,270	6,310	6,340	6,350	6,370	6,380
54.4		7,000	7,000	7,000	7,000	7,000	7,000	7,000
60.0			8,050	7,980	7,940	7,910	7,880	7,860
65.0				8,950	8,860	8,800	8,740	8,690

### INV. CURRENT(A)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	11.4	11.6	11.8	12.0	12.2	12.3	12.5	12.5
40.5	12.9	13.1	13.2	13.4	13.5	13.6	13.7	13.8
45.0	14.3	14.4	14.5	14.7	14.8	14.8	14.9	14.9
50.0	16.1	16.1	16.2	16.2	16.3	16.3	16.3	16.3
54.4		17.8	17.8	17.8	17.7	17.7	17.7	17.7
60.0			20.1	19.9	19.7	19.7	19.6	19.5
65.0				22.0	21.7	21.6	21.4	21.3

#### NOTE:

\* The performance values are varied by Driver characteristics.

## Section 6. Performance Curves (90rps)

<b>Power Source</b>	<b>3φ 60Hz 347V</b>
<b>Cooling Type</b>	<b>Natural Cooling</b>
<b>Refrigerant</b>	<b>R410A</b>
<b>Rotation Speed:</b>	<b>90rps</b>
<b>Suction Gas Superheat</b>	<b>11.1K</b>
<b>Sub Cooling</b>	<b>8.3K</b>

### CAPACITY(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	19,670	23,300	26,060	32,700	37,950	41,730	45,880	49,100
40.5	18,560	21,950	24,530	30,720	35,610	39,130	42,990	45,980
45.0	17,690	20,900	23,330	29,180	33,800	37,110	40,740	43,550
50.0	16,770	19,790	22,070	27,560	31,880	34,980	38,370	41,000
54.4		18,850	21,020	26,200	30,280	33,200	36,400	38,880
60.0			19,750	24,570	28,360	31,070	34,040	36,340

### POWER(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	6,260	6,490	6,640	6,970	7,190	7,340	7,480	7,590
40.5	7,110	7,320	7,470	7,760	7,960	8,100	8,230	8,330
45.0	7,910	8,110	8,230	8,500	8,680	8,800	8,920	9,000
50.0	8,920	9,080	9,190	9,420	9,570	9,670	9,760	9,830
54.4		10,040	10,130	10,310	10,420	10,500	10,580	10,630
60.0			11,450	11,550	11,620	11,660	11,700	11,730

### INV. CURRENT(A)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	12.4	12.7	13.0	13.5	13.9	14.2	14.4	14.6
40.5	13.9	14.2	14.5	15.0	15.3	15.5	15.7	15.9
45.0	15.2	15.6	15.8	16.2	16.6	16.8	17.0	17.1
50.0	17.0	17.2	17.4	17.8	18.1	18.3	18.4	18.6
54.4		18.9	19.0	19.3	19.6	19.7	19.8	19.9
60.0			21.3	21.5	21.6	21.7	21.8	21.8

### **NOTE:**

\* The performance values are varied by Driver characteristics.