



SIAM COMPRESSOR INDUSTRY

NN37YCAMT COMPRESSOR PERFORMANCE DATA

RATING CONDITION : 11.1 °C Return gas superheated
 8.4 °C Liquid subcooled
 35.0 °C Ambient temp.

400 Volt 50 Hz R-410A

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Capacity (W)	40.00	6080.00	7460.00	9100.00	11000.00	13150.00	15570.00
	50.00	5290.00	6450.00	7860.00	9530.00	11450.00	13620.00
	60.00	4370.00	5340.00	6520.00	7920.00	9530.00	11360.00

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Input (W)	40.00	2280.00	2330.00	2360.00	2370.00	2370.00	2340.00
	50.00	2620.00	2740.00	2820.00	2860.00	2880.00	2850.00
	60.00	2980.00	3140.00	3270.00	3380.00	3460.00	3510.00

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
COP (W/W)	40.00	2.67	3.20	3.86	4.64	5.55	6.65
	50.00	2.02	2.35	2.79	3.33	3.98	4.78
	60.00	1.47	1.70	1.99	2.34	2.75	3.24

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Current (A)	40.00	4.10	4.20	4.20	4.20	4.20	4.20
	50.00	4.70	4.90	5.00	5.10	5.10	5.00
	60.00	5.20	5.50	5.70	5.90	6.10	6.30

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Flow Rate (kg/h)	40.00	123.00	149.00	180.00	215.00	255.00	299.00
	50.00	119.00	143.00	172.00	206.00	245.00	289.00
	60.00	111.00	134.00	161.00	193.00	230.00	271.00

DOCUMENT NO.	REVISED	ISSUED DATE	PAGE	WRITTEN	APPROVED
PCS170A - T	C	2010-10-28	1 / 2	Chinnapong Khongsila	Dumrongsak Sompradit



SIAM COMPRESSOR INDUSTRY

NN37YCAMT COMPRESSOR PERFORMANCE DATA

RATING CONDITION : 11.1 °C Return gas superheated
 8.4 °C Liquid subcooled
 35.0 °C Ambient temp.

460 Volt 60 Hz R-410A

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Capacity (W)	40.00	7360.00	9030.00	11010.00	13310.00	15910.00	18840.00
	50.00	6400.00	7800.00	9510.00	11530.00	13850.00	16490.00
	60.00	5290.00	6460.00	7890.00	9580.00	11530.00	13750.00

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Input (W)	40.00	2830.00	2900.00	2940.00	2950.00	2950.00	2920.00
	50.00	3260.00	3410.00	3510.00	3570.00	3580.00	3550.00
	60.00	3720.00	3910.00	4080.00	4210.00	4310.00	4380.00

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
COP (W/W)	40.00	2.60	3.11	3.74	4.51	5.39	6.45
	50.00	1.96	2.29	2.71	3.23	3.87	4.65
	60.00	1.42	1.65	1.93	2.28	2.68	3.14

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Current (A)	40.00	4.30	4.40	4.40	4.50	4.40	4.40
	50.00	4.90	5.10	5.30	5.40	5.40	5.30
	60.00	5.50	5.80	6.00	6.20	6.40	6.60

		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Flow Rate (kg/h)	40.00	155.00	188.00	227.00	271.00	321.00	376.00
	50.00	149.00	180.00	217.00	259.00	308.00	364.00
	60.00	140.00	168.00	203.00	243.00	289.00	341.00

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PCS170A - T	C	2010-10-28	2 / 2	Chinnapong Khongsila	Dumrongsak Sompradit