



NN40YCAMT COMPRESSOR PERFORMANCE DATA

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
8.4°C LIQUID SUBCOOLED
35.0°C AMBIENT

400 Volt 50 Hz R-410A

Capacity (W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	6590.00	8080.00	9860.00	11910.00	14250.00	16860.00
50.00	5730.00	6980.00	8510.00	10320.00	12400.00	14760.00
60.00	4730.00	5780.00	7060.00	8580.00	10330.00	12310.00

Input (W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	2460.00	2520.00	2550.00	2570.00	2560.00	2540.00
50.00	2830.00	2960.00	3050.00	3100.00	3110.00	3090.00
60.00	3230.00	3400.00	3540.00	3660.00	3740.00	3800.00

COP (W/W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	2.68	3.21	3.87	4.63	5.57	6.64
50.00	2.02	2.36	2.79	3.33	3.99	4.78
60.00	1.46	1.70	1.99	2.34	2.76	3.24

Current (A)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
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

Flow Rate (kg/h)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	133.00	162.00	195.00	233.00	276.00	324.00
50.00	128.00	155.00	186.00	223.00	265.00	313.00
60.00	120.00	145.00	174.00	209.00	249.00	293.00

DOCUMENT NO.	REVISED	ISSUED DATE	PAGE	WRITTEN	APPROVED
PCS171A - T	C	2010-10-28	1 / 2	Chinnapong Khongsila	Dumrongsak Sompradit



NN40YCAMT COMPRESSOR PERFORMANCE DATA

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED

8.4°C LIQUID SUBCOOLED

35.0°C AMBIENT

460 Volt 60 Hz R-410A

Capacity (W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	8000.00	9810.00	11970.00	14460.00	17300.00	20470.00
50.00	6950.00	8480.00	10330.00	12530.00	15050.00	17920.00
60.00	5750.00	7020.00	8570.00	10410.00	12540.00	14940.00

Input (W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	3070.00	3130.00	3180.00	3200.00	3190.00	3160.00
50.00	3530.00	3690.00	3800.00	3860.00	3880.00	3840.00
60.00	4020.00	4230.00	4410.00	4550.00	4660.00	4730.00

COP (W/W)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	2.61	3.13	3.76	4.52	5.42	6.48
50.00	1.97	2.30	2.72	3.25	3.88	4.67
60.00	1.43	1.66	1.94	2.29	2.69	3.16

Current (A)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	4.50	4.50	4.60	4.60	4.60	4.60
50.00	5.10	5.30	5.50	5.60	5.60	5.50
60.00	5.70	6.00	6.20	6.50	6.70	6.80

Flow Rate (kg/h)

Evaporating Temperature (°C)

Condensing
Temperature (°C)

	-10.00	-5.00	0.00	5.00	10.00	15.00
40.00	169.00	204.00	246.00	294.00	349.00	409.00
50.00	162.00	196.00	235.00	282.00	335.00	395.00
60.00	152.00	183.00	220.00	264.00	314.00	371.00

DOCUMENT NO.	REVISED	ISSUED DATE	PAGE	WRITTEN	APPROVED
PCS171A - T	C	2010-10-28	2 / 2	Chinnapong Khongsila	Dumrongsak Sompradit