



NH52YDAT 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-22

Capacity (W)		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Condensing Temperature (°C)	40.00	5680.00	6960.00	8460.00	10180.00	12120.00	14270.00
	50.00	5060.00	6240.00	7600.00	9150.00	10870.00	12770.00
	60.00	4400.00	5460.00	6680.00	8060.00	9600.00	11300.00

Input (W)		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Condensing Temperature (°C)	40.00	2240.00	2310.00	2370.00	2400.00	2410.00	2390.00
	50.00	2590.00	2710.00	2810.00	2890.00	2950.00	2990.00
	60.00	2980.00	3150.00	3290.00	3420.00	3530.00	3610.00

COP (W/W)		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Condensing Temperature (°C)	40.00	2.54	3.01	3.57	4.24	5.03	5.97
	50.00	1.95	2.30	2.70	3.17	3.68	4.27
	60.00	1.48	1.73	2.03	2.36	2.72	3.13

Current (A)		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Condensing Temperature (°C)	40.00	4.20	4.30	4.40	4.40	4.40	4.40
	50.00	4.70	4.80	5.00	5.10	5.20	5.30
	60.00	5.20	5.40	5.70	5.80	6.00	6.20

Flow Rate (kg/h)		Evaporating Temperature (°C)					
		-10.00	-5.00	0.00	5.00	10.00	15.00
Condensing Temperature (°C)	40.00	120.00	146.00	175.00	208.00	245.00	286.00
	50.00	116.00	142.00	170.00	202.00	237.00	276.00
	60.00	111.00	136.00	163.00	195.00	229.00	267.00

DOCUMENT NO.	REVISED	ISSUED DATE	PAGE	WRITTEN	APPROVED
PCS893557 - T	A	2009-02-25	1 / 2	Suriwipha Chanlakon	Dumrongsak Sompradit

**NH52YDAT COMPRESSOR PERFORMANCE DATA**

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

400 Volt 60 Hz R-22

		Evaporating Temperature (°C)						
		-10.00	-5.00	0.00	5.00	10.00	15.00	
Capacity (W)	Condensing Temperature (°C)	40.00	6850.00	8400.00	10210.00	12290.00	14620.00	17220.00
		50.00	6110.00	7530.00	9180.00	11040.00	13110.00	15410.00
		60.00	5310.00	6590.00	8060.00	9720.00	11580.00	13630.00
Input (W)	Condensing Temperature (°C)	40.00	2710.00	2810.00	2870.00	2910.00	2920.00	2890.00
		50.00	3140.00	3290.00	3410.00	3500.00	3570.00	3620.00
		60.00	3620.00	3820.00	3990.00	4140.00	4270.00	4380.00
COP (W/W)	Condensing Temperature (°C)	40.00	2.53	2.99	3.56	4.22	5.01	5.96
		50.00	1.95	2.29	2.69	3.15	3.67	4.26
		60.00	1.47	1.73	2.02	2.35	2.71	3.11
Current (A)	Condensing Temperature (°C)	40.00	4.70	4.80	4.80	4.90	4.90	4.90
		50.00	5.20	5.40	5.50	5.60	5.70	5.80
		60.00	5.80	6.00	6.30	6.50	6.70	6.80
Flow Rate (kg/h)	Condensing Temperature (°C)	40.00	145.00	176.00	211.00	251.00	296.00	345.00
		50.00	140.00	171.00	205.00	244.00	287.00	333.00
		60.00	134.00	164.00	197.00	235.00	276.00	322.00

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