

**BN52YEAMT 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

		Evaporating Temperature (°C)						
		-15.00	-10.00	-5.00	0.00	5.00	10.00	
Capacity (W)	Condensing Temperature (°C)	40.00	7320.00	9030.00	11200.00	13370.00	16040.00	19140.00
		50.00	6070.00	7590.00	9530.00	11470.00	13880.00	16590.00
		60.00	4850.00	6090.00	7710.00	9330.00	11390.00	13850.00
Input (W)	Condensing Temperature (°C)	40.00	3080.00	3130.00	3160.00	3200.00	3190.00	3130.00
		50.00	3800.00	3850.00	3900.00	3940.00	3960.00	3970.00
		60.00	4680.00	4740.00	4800.00	4860.00	4890.00	4930.00
COP (W/W)	Condensing Temperature (°C)	40.00	2.38	2.88	3.54	4.18	5.03	6.12
		50.00	1.60	1.97	2.44	2.91	3.51	4.18
		60.00	1.04	1.28	1.61	1.92	2.33	2.81
Current (A)	Condensing Temperature (°C)	40.00	5.65	5.73	5.78	5.83	5.82	5.74
		50.00	6.67	6.75	6.82	6.89	6.95	6.94
		60.00	7.98	8.08	8.16	8.25	8.30	8.37
Flow Rate (kg/h)	Condensing Temperature (°C)	40.00	145.60	177.00	216.40	255.30	302.60	357.30
		50.00	134.10	165.00	204.10	242.40	289.50	341.70
		60.00	121.60	149.80	186.40	222.30	267.30	320.70

DOCUMENT NO.	REVISED	ISSUED DATE	PAGE	WRITTEN	APPROVED
SCI-CPDB006 - T	D	2009-10-01	1 / 2	Mullika Yungklang	Dumrongsak Sompradit

**BN52YEAMT 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

		Evaporating Temperature (°C)						
		-15.00	-10.00	-5.00	0.00	5.00	10.00	
Capacity (W)	Condensing Temperature (°C)	40.00	8850.00	10920.00	13530.00	16160.00	19380.00	23130.00
		50.00	7340.00	9170.00	11520.00	13870.00	16780.00	20050.00
		60.00	5870.00	7360.00	9320.00	11280.00	13760.00	16740.00
Input (W)	Condensing Temperature (°C)	40.00	3670.00	3730.00	3770.00	3810.00	3810.00	3840.00
		50.00	4530.00	4590.00	4650.00	4700.00	4730.00	4730.00
		60.00	5580.00	5660.00	5730.00	5790.00	5840.00	5880.00
COP (W/W)	Condensing Temperature (°C)	40.00	2.41	2.93	3.59	4.24	5.09	6.02
		50.00	1.62	2.00	2.48	2.95	3.55	4.24
		60.00	1.05	1.30	1.63	1.95	2.36	2.85
Current (A)	Condensing Temperature (°C)	40.00	5.80	5.88	5.93	5.99	5.98	5.90
		50.00	6.84	6.93	7.00	7.07	7.13	7.12
		60.00	8.20	8.29	8.38	8.47	8.52	8.59
Flow Rate (kg/h)	Condensing Temperature (°C)	40.00	184.80	224.60	274.60	324.00	384.00	453.40
		50.00	170.20	209.40	259.00	307.60	367.40	433.70
		60.00	154.30	190.10	236.60	282.10	339.30	407.00

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