

**ANB42FCFMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1 °C Return gas superheated
 8.4 °C Liquid subcooled
 35.0 °C Ambient temp.
 Note : Performance is varied by Driver-characteristics (Mitsubishi Driver)

20rps R-410A

		Evaporating Temperature (°C)					
		-15.00	-10.00	-5.00	0.00	5.00	10.00
Capacity (W)	Condensing Temperature (°C)						
	40.00	2140.00	2640.00	3270.00	3900.00	4680.00	5590.00
	50.00	1770.00	2220.00	2780.00	3350.00	4050.00	4840.00
	60.00	1420.00	1780.00	2250.00	2720.00	3320.00	4040.00
Input (W)	Condensing Temperature (°C)						
	40.00	1010.00	1030.00	1040.00	1050.00	1050.00	1030.00
	50.00	1250.00	1260.00	1280.00	1290.00	1300.00	1300.00
	60.00	1540.00	1560.00	1570.00	1590.00	1600.00	1620.00
COP (W/W)	Condensing Temperature (°C)						
	40.00	2.12	2.56	3.14	3.71	4.46	5.43
	50.00	1.42	1.76	2.17	2.60	3.12	3.72
	60.00	0.92	1.14	1.43	1.71	2.08	2.49
Current (A)	Condensing Temperature (°C)						
	40.00	14.40	14.60	14.70	14.80	14.80	14.60
	50.00	17.00	17.20	17.40	17.50	17.70	17.70
	60.00	20.30	20.60	20.80	21.00	21.10	21.30
Flow Rate (kg/h)	Condensing Temperature (°C)						
	40.00	44.70	54.30	66.40	78.20	92.70	109.60
	50.00	41.10	50.70	62.50	74.30	88.70	104.70
	60.00	37.30	46.00	57.10	68.00	81.80	98.20

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60rps R-410A

		Evaporating Temperature (°C)					
		-15.00	-10.00	-5.00	0.00	5.00	10.00
Capacity (W)	Condensing Temperature (°C)						
	40.00	6870.00	8480.00	10510.00	12550.00	15050.00	17970.00
	50.00	5700.00	7120.00	8940.00	10770.00	13030.00	15570.00
	60.00	4560.00	5720.00	7240.00	8760.00	10690.00	13000.00
Input (W)	Condensing Temperature (°C)						
	40.00	2880.00	2930.00	2960.00	2990.00	2980.00	2930.00
	50.00	3550.00	3600.00	3640.00	3690.00	3710.00	3710.00
	60.00	4380.00	4440.00	4490.00	4550.00	4580.00	4620.00
COP (W/W)	Condensing Temperature (°C)						
	40.00	2.39	2.89	3.55	4.20	5.05	6.13
	50.00	1.61	1.98	2.46	2.92	3.51	4.20
	60.00	1.04	1.29	1.61	1.93	2.33	2.81
Current (A)	Condensing Temperature (°C)						
	40.00	14.80	15.00	15.10	15.20	15.20	15.00
	50.00	17.40	17.60	17.80	18.00	18.20	18.10
	60.00	20.90	21.10	21.30	21.60	21.70	21.90
Flow Rate (kg/h)	Condensing Temperature (°C)						
	40.00	143.40	174.50	213.30	251.60	298.20	352.20
	50.00	132.20	162.50	201.10	238.90	285.40	336.90
	60.00	119.90	147.80	183.80	219.10	263.50	316.10

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80rps R-410A

		Evaporating Temperature (°C)					
		-15.00	-10.00	-5.00	0.00	5.00	10.00
Capacity (W)	Condensing Temperature (°C)						
	40.00	9150.00	11280.00	13990.00	16700.00	20030.00	23910.00
	50.00	7580.00	9480.00	11900.00	14330.00	17340.00	20720.00
	60.00	6060.00	7610.00	9630.00	11660.00	14220.00	17300.00
Input (W)	Condensing Temperature (°C)						
	40.00	3920.00	3980.00	4030.00	4070.00	4060.00	3980.00
	50.00	4840.00	4900.00	4960.00	5010.00	5050.00	5050.00
	60.00	5960.00	6040.00	6110.00	6180.00	6230.00	6280.00
COP (W/W)	Condensing Temperature (°C)						
	40.00	2.33	2.83	3.47	4.10	4.93	6.01
	50.00	1.57	1.93	2.40	2.86	3.43	4.10
	60.00	1.02	1.26	1.58	1.89	2.28	2.75
Current (A)	Condensing Temperature (°C)						
	40.00	15.00	15.20	15.30	15.50	15.40	15.20
	50.00	17.70	17.90	18.10	18.30	18.40	18.40
	60.00	21.20	21.40	21.70	21.90	22.00	22.20
Flow Rate (kg/h)	Condensing Temperature (°C)						
	40.00	191.00	232.10	283.90	334.80	396.90	468.60
	50.00	175.90	216.40	267.60	317.90	379.70	448.30
	60.00	159.40	196.60	244.50	291.60	350.50	420.60

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120rps R-410A

		Evaporating Temperature (°C)					
		-15.00	-10.00	-5.00	0.00	5.00	10.00
Capacity (W)	40.00	13600.00	16770.00	20790.00	24830.00	29770.00	35540.00
	50.00	11270.00	14090.00	17690.00	21300.00	25770.00	30800.00
	60.00	9010.00	11310.00	14310.00	17330.00	21150.00	25720.00
	Condensing Temperature (°C)						
Input (W)	40.00	6680.00	6790.00	6860.00	6930.00	6920.00	6790.00
	50.00	8240.00	8350.00	8450.00	8540.00	8600.00	8610.00
	60.00	10160.00	10290.00	10420.00	10540.00	10620.00	10700.00
	Condensing Temperature (°C)						
COP (W/W)	40.00	2.04	2.47	3.03	3.58	4.30	5.23
	50.00	1.37	1.69	2.09	2.49	3.00	3.58
	60.00	0.89	1.10	1.37	1.64	1.99	2.40
	Condensing Temperature (°C)						
Current (A)	40.00	23.00	23.30	23.50	23.70	23.70	23.40
	50.00	27.10	27.40	27.70	28.00	28.20	28.20
	60.00	32.50	32.80	33.20	33.50	33.80	34.00
	Condensing Temperature (°C)						
Flow Rate (kg/h)	40.00	283.90	345.00	421.90	497.80	589.90	696.50
	50.00	261.50	321.70	397.80	472.50	564.40	666.40
	60.00	237.00	292.20	363.30	433.40	521.30	625.40
	Condensing Temperature (°C)						

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