

Mini Split Comparison

Inflation rate used in 10 year numbers= 3%																			
All comparisons use Gree Rio 9K, lowest cost unit as baseline																			
Payback years does not consider inflation																			
Heating load = 40MMBTU per year																			
Cooling load at 9000 Btu for 350 hours																			
COP calculated to be HSPF * .2928104																			
All heating and cooling capacity numbers taken from manufacturer's spec sheets																			
Cost of electricity used = .146 per Kwh																			
Model Description	Model #	Internet Cost	Noise Min Max	Max heat 5F /65	Max Heat -5F /65	Max Cooling 75/87	HSPF	SEER	COP	Annual Heating	Annual Cooling	Price Premium	Annual Heat Savings	Annual Cool Savings	Payback Years	10 year utility cost	Total 10 Year Cost	Rank	10 year savings
Gree Rio 9k		644	32/40	8239		10266	8.6	16	2.52	\$679.50	\$287.44	0	\$0.00	0.00	0.00	\$11,084.89	\$11,728.89	11	0
Gree Neo 9k	NEO09HP115V1A	865	26/38	8238		10404	9.8	22	2.87	\$596.30	\$209.05	221	-\$83.20	-78.39	1.37	\$9,232.37	\$10,097.37	6	-\$1,631.52
Gree Terra 9k	GWH09TB-D3DNA1	1003	23/42	8003		10527	9	27	2.64	\$649.30	\$170.33	359	-\$30.20	-117.10	2.44	\$9,396.21	\$10,399.21	7	-\$1,329.68
Panasonic 9K	XE9PKUA	1419	20/42	11000		12000	12.5	28.5	3.66	\$467.50	\$161.37	775	-\$212.01	-126.07	2.29	\$7,209.25	\$8,628.25	2	-\$3,100.64
Fujitsu 9K 9rls2	ASU9RLS2	1495	21/43	15700	14300	9300	12.5	27.2	3.66	\$467.50	\$169.08	851	-\$212.01	-118.36	2.58	\$7,297.67	\$8,792.67	3	-\$2,936.23
Fujitsu 9K 9rls2H		1589	21/43	15700	14300	9300	8.8	27.2	2.58	\$664.06	\$169.08	945	-\$15.44	-118.36	7.06	\$9,551.03	\$11,140.03	10	-\$588.87
Mitsubishi 9k FH09NA		1684	20/42	10900	9483	9000	13.5	30.5	3.95	\$432.87	\$150.79	1040	-\$246.63	-136.65	2.71	\$6,690.96	\$8,374.96	1	-\$3,353.93
Gree Terra 12k	TERRA12HP230V1A	1080	24/44	10582		13902	9	25	2.64	\$649.30	\$183.96	436	-\$30.20	-103.48	3.26	\$9,552.43	\$10,632.43	8	-\$1,096.46
Mitsubishi 12k FH12NA		1797	21/42	13600	11832	13600	12.5	26.1	3.66	\$467.50	\$176.21	1153	-\$212.01	-111.23	3.57	\$7,379.36	\$9,176.36	4	-\$2,552.53
Fujitsu 12k 12rls2		1579	21/43	17600	15400	12400	12	25	3.51	\$486.98	\$183.96	935	-\$192.53	-103.48	3.16	\$7,691.55	\$9,270.55	5	-\$2,458.35
Fujitsu 12k 12rls2H		1699	21/43	17200	15400	12400	9.3	25	2.72	\$628.36	\$183.96	1055	-\$51.15	-103.48	6.82	\$9,312.31	\$11,011.31	9	-\$717.58