

R290 Arctic HT Series			MHC-V4WD2N7	MHC-V6WD2N7	MHC-V8WD2N7	MHC-V10WD2N7
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++			
	Water outlet at 55°C		A++			
SCOP	Warmer climate	35°C	5.97	6.14	6.56	7.11
		55°C	4.34	4.55	4.68	4.79
	Average climate	35°C	5.07	4.89	5.19	5.07
		55°C	3.79	3.82	3.82	3.82
	Colder climate	35°C	4.03	4.24	4.44	4.54
		55°C	3.18	3.38	3.46	3.49
SEER	Water outlet	7°C	5.23	5.32	5.86	5.55
		18°C	6.36	6.65	8.14	8.16
ErP Sound power level		dB	56	58	60	61
Sound power level	Heating A7W35	dB	56	58	60	61
	Heating Max.	dB	58	60	62	63
	Heating Silence mode 1	dB	54	56	58	59
	Heating Silence mode 2	dB	51	53	55	56
	Cooling A35W18	dB	56	58	60	61
	Cooling max	dB	58	60	62	63
	Cooling Silence mode 1	dB	54	56	57	58
	Cooling Silence mode 2	dB	51	53	54	55
Sound pressure level (1m)	Heating A7W35	dB(A)	44	46	48	49
	Heating Max.	dB(A)	46	48	50	51
	Heating Silence mode 1	dB(A)	42	44	45	46
	Heating Silence mode 2	dB(A)	40	42	42	43
	Cooling A35W18	dB(A)	44	46	48	49
	Cooling max	dB(A)	46	48	50	51
	Cooling Silence mode 1	dB(A)	42	43	45	46
	Cooling Silence mode 2	dB(A)	39	40	42	43
Sound pressure level (2m)	Heating A7W35	dB(A)	40	42	44	45
	Heating Max.	dB(A)	42	44	46	47
	Heating Silence mode 1	dB(A)	38	40	41	42
	Heating Silence mode 2	dB(A)	35	37	39	40
	Cooling A35W18	dB(A)	40	42	44	45
	Cooling max	dB(A)	42	44	46	47
	Cooling Silence mode 1	dB(A)	38	40	41	42
	Cooling Silence mode 2	dB(A)	35	37	39	40

R290 Arctic HT Series			MHC-V4W D2N7-BE30	MHC-V6W D2N7-BE30	MHC-V8W D2N7-BE30	MHC-V10W D2N7-BE30	MHC-V8W D2N7-BER90	MHC-V10W D2N7-BER90
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++					
	Water outlet at 55°C		A++					
SCOP	Warmer climate	35°C	5.97	6.14	6.56	7.11	6.56	7.11
		55°C	4.34	4.55	4.68	4.79	4.68	4.79
	Average climate	35°C	5.07	4.89	5.19	5.07	5.19	5.07
		55°C	3.79	3.82	3.82	3.82	3.82	3.82
	Colder climate	35°C	4.03	4.24	4.44	4.54	4.44	4.54
		55°C	3.18	3.38	3.46	3.49	3.46	3.49
SEER	Water outlet	7°C	5.23	5.32	5.86	5.55	5.86	5.55
		18°C	6.36	6.65	8.14	8.16	8.14	8.16
ErP Sound power level		dB	56	58	60	61	60	61
Sound power level	Heating A7W35	dB	56	58	60	61	60	61
	Heating Max.	dB	58	60	62	63	62	63
	Heating Silence mode 1	dB	54	56	58	59	58	59
	Heating Silence mode 2	dB	51	53	55	56	55	56
	Cooling A35W18	dB	56	58	60	61	60	61
	Cooling max	dB	58	60	62	63	62	63
	Cooling Silence mode 1	dB	54	56	57	58	57	58
	Cooling Silence mode 2	dB	51	53	54	55	54	55
Sound pressure level (1m)	Heating A7W35	dB(A)	44	46	48	49	48	49
	Heating Max.	dB(A)	46	48	50	51	50	51
	Heating Silence mode 1	dB(A)	42	44	45	46	45	46
	Heating Silence mode 2	dB(A)	40	42	42	43	42	43
	Cooling A35W18	dB(A)	44	46	48	49	48	49
	Cooling max	dB(A)	46	48	50	51	50	51
	Cooling Silence mode 1	dB(A)	42	43	45	46	45	46
	Cooling Silence mode 2	dB(A)	39	40	42	43	42	43
Sound pressure level (2m)	Heating A7W35	dB(A)	40	42	44	45	44	45
	Heating Max.	dB(A)	42	44	46	47	46	47
	Heating Silence mode 1	dB(A)	38	40	41	42	41	42
	Heating Silence mode 2	dB(A)	35	37	39	40	39	40
	Cooling A35W18	dB(A)	40	42	44	45	44	45
	Cooling max	dB(A)	42	44	46	47	46	47
	Cooling Silence mode 1	dB(A)	38	40	41	42	41	42
	Cooling Silence mode 2	dB(A)	35	37	39	40	39	40

R290 Arctic HT Series		MHC-V12WD2N7	MHC-V14WD2N7	MHC-V16WD2N7	MHC-V12WD2RN7	MHC-V14WD2RN7	MHC-V16WD2RN7	
Seasonal space heating energy efficiency class	Water outlet at 35°C	A+++						
	Water outlet at 55°C	A++						
SCOP	Warmer climate	35°C	5.9	5.85	6.05	5.9	5.85	6.05
		55°C	4.45	4.43	4.62	4.45	4.43	4.62
	Average climate	35°C	4.67	4.63	4.59	4.67	4.64	4.59
		55°C	3.62	3.61	3.57	3.62	3.61	3.57
	Colder climate	35°C	4.13	4.13	4.08	4.13	4.13	4.08
		55°C	3.26	3.23	3.29	3.26	3.23	3.29
	SEER	Water outlet	7°C	5.19	5.18	5.12	5.19	5.12
			18°C	6.42	6.75	6.65	6.42	6.75
ErP Sound power level		dB	65	65	69	65	65	69
Sound power Level	Heating A7W35	dB	65	65	69	65	65	69
	Heating Max.	dB	67	68	70	67	68	70
	Heating Silence mode 1	dB	62	63	64	62	63	64
	Heating Silence mode 2	dB	58	59	60	58	59	60
	Cooling A35W18	dB	65	66	69	65	66	69
	Cooling max	dB	66	67	70	66	67	70
	Cooling Silence mode 1	dB	62	62	64	62	62	64
	Cooling Silence mode 2	dB	58	59	60	58	59	60
Sound pressure level (1m)	Heating A7W35	dB(A)	51	52	56	51	52	56
	Heating Max.	dB(A)	53	54	58	53	54	58
	Heating Silence mode 1	dB(A)	47	48	52	47	48	52
	Heating Silence mode 2	dB(A)	43	44	48	43	44	48
	Cooling A35W18	dB(A)	51	52	56	51	52	56
	Cooling max	dB(A)	53	54	58	53	54	58
	Cooling Silence mode 1	dB(A)	47	48	52	47	48	52
	Cooling Silence mode 2	dB(A)	44	45	48	44	45	48
Sound pressure level (2m)	Heating A7W35	dB(A)	47	48	52	47	48	52
	Heating Max.	dB(A)	49	50	54	49	50	54
	Heating Silence mode 1	dB(A)	43	44	48	43	44	48
	Heating Silence mode 2	dB(A)	41	42	43	41	42	43
	Cooling A35W18	dB(A)	47	48	52	47	48	52
	Cooling max	dB(A)	49	50	54	49	50	54
	Cooling Silence mode 1	dB(A)	43	44	48	43	44	48
	Cooling Silence mode 2	dB(A)	41	42	43	41	42	43

R290 Arctic HT Series			MHC-V12W D2N7-BE30	MHC-V14W D2N7-BE30	MHC-V16W D2N7-BE30	MHC-V12W D2RN7-BE30	MHC-V14W D2RN7-BE30	MHC-V16W D2RN7-BE30
Seasonal space heating energy efficiency class	Water outlet at 35°C		A+++					
	Water outlet at 55°C		A++					
SCOP	Warmer climate	35°C	5.9	5.85	6.05	5.9	5.85	6.05
		55°C	4.45	4.43	4.62	4.45	4.43	4.62
	Average climate	35°C	4.67	4.63	4.59	4.67	4.64	4.59
		55°C	3.62	3.61	3.57	3.62	3.61	3.57
	Colder climate	35°C	4.13	4.13	4.08	4.13	4.13	4.08
		55°C	3.26	3.23	3.29	3.26	3.23	3.29
	SEER	Water outlet	7°C	5.19	5.18	5.12	5.19	5.18
			18°C	6.42	6.75	6.65	6.42	6.75
ErP Sound power level			dB	65	65	69	65	69
Sound power Level	Heating A7W35	dB	65	65	69	65	65	69
	Heating Max.	dB	67	68	70	67	68	70
	Heating Silence mode 1	dB	62	63	64	62	63	64
	Heating Silence mode 2	dB	58	59	60	58	59	60
	Cooling A35W18	dB	65	66	69	65	66	69
	Cooling max	dB	66	67	70	66	67	70
	Cooling Silence mode 1	dB	62	62	64	62	62	64
	Cooling Silence mode 2	dB	58	59	60	58	59	60
Sound pressure level (1m)	Heating A7W35	dB(A)	51	52	56	51	52	56
	Heating Max.	dB(A)	53	54	58	53	54	58
	Heating Silence mode 1	dB(A)	47	48	52	47	48	52
	Heating Silence mode 2	dB(A)	43	44	48	43	44	48
	Cooling A35W18	dB(A)	51	52	56	51	52	56
	Cooling max	dB(A)	53	54	58	53	54	58
	Cooling Silence mode 1	dB(A)	47	48	52	47	48	52
	Cooling Silence mode 2	dB(A)	44	45	48	44	45	48
Sound pressure level (2m)	Heating A7W35	dB(A)	47	48	52	47	48	52
	Heating Max.	dB(A)	49	50	54	49	50	54
	Heating Silence mode 1	dB(A)	43	44	48	43	44	48
	Heating Silence mode 2	dB(A)	41	42	43	41	42	43
	Cooling A35W18	dB(A)	47	48	52	47	48	52
	Cooling max	dB(A)	49	50	54	49	50	54
	Cooling Silence mode 1	dB(A)	43	44	48	43	44	48
	Cooling Silence mode 2	dB(A)	41	42	43	41	42	43

R290 M thermal Arctic HT Series



R290 Arctic HT Series		MHC-V12W D2N7-BER90	MHC-V14W D2N7-BER90	MHC-V16W D2N7-BER90	MHC-V12W D2RN7-BER90	MHC-V14W D2RN7-BER90	MHC-V16W D2RN7-BER90	
Seasonal space heating energy efficiency class	Water outlet at 35°C	A+++						
	Water outlet at 55°C	A++						
SCOP	Warmer climate	35°C	5.9	5.85	6.05	5.9	5.85	6.05
		55°C	4.45	4.43	4.62	4.45	4.43	4.62
	Average climate	35°C	4.67	4.63	4.59	4.67	4.64	4.59
		55°C	3.62	3.61	3.57	3.62	3.61	3.57
	Colder climate	35°C	4.13	4.13	4.08	4.13	4.13	4.08
		55°C	3.26	3.23	3.29	3.26	3.23	3.29
	SEER	Water outlet	7°C	5.19	5.18	5.12	5.19	5.12
			18°C	6.42	6.75	6.65	6.42	6.75
ErP Sound power level		dB	65	65	69	65	65	69
Sound power Level	Heating A7W35	dB	65	65	69	65	65	69
	Heating Max.	dB	67	68	70	67	68	70
	Heating Silence mode 1	dB	62	63	64	62	63	64
	Heating Silence mode 2	dB	58	59	60	58	59	60
	Cooling A35W18	dB	65	66	69	65	66	69
	Cooling max	dB	66	67	70	66	67	70
	Cooling Silence mode 1	dB	62	62	64	62	62	64
	Cooling Silence mode 2	dB	58	59	60	58	59	60
Sound pressure level (1m)	Heating A7W35	dB(A)	51	52	56	51	52	56
	Heating Max.	dB(A)	53	54	58	53	54	58
	Heating Silence mode 1	dB(A)	47	48	52	47	48	52
	Heating Silence mode 2	dB(A)	43	44	48	43	44	48
	Cooling A35W18	dB(A)	51	52	56	51	52	56
	Cooling max	dB(A)	53	54	58	53	54	58
	Cooling Silence mode 1	dB(A)	47	48	52	47	48	52
	Cooling Silence mode 2	dB(A)	44	45	48	44	45	48
Sound pressure level (2m)	Heating A7W35	dB(A)	47	48	52	47	48	52
	Heating Max.	dB(A)	49	50	54	49	50	54
	Heating Silence mode 1	dB(A)	43	44	48	43	44	48
	Heating Silence mode 2	dB(A)	41	42	43	41	42	43
	Cooling A35W18	dB(A)	47	48	52	47	48	52
	Cooling max	dB(A)	49	50	54	49	50	54
	Cooling Silence mode 1	dB(A)	43	44	48	43	44	48
	Cooling Silence mode 2	dB(A)	41	42	43	41	42	43