

C.1.1 SPECIFICATIONS

C.1.1.1 Inverter

Model Name	Indoor Unit			MSZ-LN25VG2V MSZ-LN25VG2B MSZ-LN25VG2R	MSZ-LN35VG2V MSZ-LN35VG2B MSZ-LN35VG2R	MSZ-LN50VG3V MSZ-LN50VG3B MSZ-LN50VG3R	MSZ-LN60VG3V MSZ-LN60VG3B MSZ-LN60VG3R		
	Outdoor Unit			MUZ-LN25VG2	MUZ-LN35VG2	MUZ-LN50VG3	MUZ-LN60VG2		
Power Supply				Source	Outdoor power supply	Outdoor power supply	Outdoor power supply		
	Outdoor			V	230	230	230		
				Phase	Single	Single	Single		
				Hz	50	50	50		
	Indoor			V	230	230	230		
				Phase	Single	Single	Single		
		Hz	50	50	50				
Refrigerant				R32	R32	R32	R32		
Cooling	Capacity	Rated	kW	2.5	3.5	5.0	6.1		
		Max.	kW	3.5	4.0	6.0	6.9		
		Min.	kW	1.0	0.8	1.0	1.4		
	SHF	Rated		0.97	0.90	0.77	0.75		
	Total Input	Rated	kW	0.49	0.82	1.38	1.73		
	EER			5.10	4.27	3.62	3.53		
	AEER			5.07	4.25	3.61	3.52		
		New Star rating	Hot and Humid	5.0	4.5	3.5	3.0		
			Mixed	4.5	4.0	3.5	3.0		
			Cold	5.0	4.5	3.5	3.0		
	AEER (Part-load %)			-	-	-	-		
	Heating	Capacity	Rated	kW	3.2	4.0	6.0	6.8	
Max.			kW	5.4	6.3	8.2	9.8		
Min.			kW	0.7	0.9	1.0	1.8		
Total Input		Rated	kW	0.60	0.82	1.48	1.80		
COP				5.33	4.88	4.05	3.78		
ACOP				5.30	4.86	4.04	3.77		
		New Star rating	Hot and Humid	4.0	3.5	3.0	3.0		
			Mixed	3.5	3.5	2.5	2.5		
			Cold	3.0	3.0	2.0	2.0		
ACOP (Part-load %)			-	-	-	-			
Operating Current (Max.)			A	7.1	9.9	13.9	15.2		
Indoor Unit	Input	Cooling	Rated	W	20	23	29	40	
		Heating	Rated	W	27	27	34	40	
	Operating Current (Max.)			A	0.26	0.26	0.33	0.40	
	Dimensions	Unit	Height	mm	307	307	307	307	
			Width	mm	890	890	890	890	
			Depth	mm	233	233	233	233	
	Weight	Unit	kg	15.5	15.5	16	16		
	Air Volume Cooling (Quiet-Low-Med.-High-Super High)			m³/h	282-354-426-552-744	282-354-426-552-780	342-450-528-636-834	426-528-636-762-942	
	Air Volume Heating (Quiet-Low-Med.-High-Super High)			m³/h	270-396-450-660-834	270-396-450-660-834	324-438-594-798-918	390-564-690-816-942	
	Sound Level (SPL) Cooling (Quiet-Low-Med.-High-Super High)			dB(A)	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46	29-37-41-45-49	
	Sound Level (SPL) Heating (Quiet-Low-Med.-High-Super High)			dB(A)	19-24-29-38-45	19-24-29-38-45	25-29-35-43-47	29-37-41-45-49	
	Outdoor Unit	Dimensions		Height	mm	550	550	714	880
				Width	mm	800	800	800	840
				Depth	mm	285	285	285	330
Weight		kg	33	34	40	53			
Air Volume		Cooling	Rated (Low-High)	m³/h	984-2,058	984-2,058	1,320-2,748	1,632-3,762	
		Heating	Rated (Low-Med.-High)	m³/h	1,356-1,776-2,058	1,356-1,776-2,058	1,704-2,238-2,622	2,124-3,300-3,300	
Sound Level (SPL)		Cooling	Rated	dB(A)	46	49	51	55	
		Heating	Rated	dB(A)	49	50	54	55	
Sound Level (PWL)		Cooling	Rated	dB(A)	60	61	64	65	
		Heating	Rated	dB(A)	-	-	-	-	
Operating Current (Max.)			A	6.8	9.6	13.5	14.8		
Breaker Size			A	10	10	16	16		
Ext.Piping	Diameter	Liquid	mm	6.35	6.35	6.35	6.35		
		Gas	mm	9.52	9.52	9.52	12.7		
	Max.Length	Out-In	m	20	20	30	30		
	Max.Height	Out-In	m	12	12	12	15		
		Below Indoor	m	12	12	12	15		
Guaranteed Operating Range	Outdoor	Cooling(*)	Upper Limit.	°C	+46	+46	+46		
			Lower Limit.	°C	-10	-10	-10		
		Heating	Upper Limit.	°C	+24	+24	+24		
			Lower Limit.	°C	-15	-15	-15		

(*) Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			MSZ-LN25VG2V MSZ-LN25VG2B MSZ-LN25VG2R	MSZ-LN35VG2V MSZ-LN35VG2B MSZ-LN35VG2R	MSZ-LN50VG3V MSZ-LN50VG3B MSZ-LN50VG3R		
	Outdoor Unit			MUZ-LN25VGHZ2	MUZ-LN35VGHZ2	MUZ-LN50VGHZ2		
Power Supply	Outdoor			Source	Outdoor power supply	Outdoor power supply		
				V	230	230		
				Phase	Single	Single		
	Indoor			Hz	50	50		
				V	230	230		
				Phase	Single	Single		
			Hz	50	50			
Refrigerant				R32	R32	R32		
Cooling	Capacity	Rated	kW	2.5	3.5	5.0		
		Max.	kW	3.5	4.0	5.8		
		Min.	kW	0.8	0.8	1.4		
	SHF	Rated		0.97	0.90	0.77		
	Total Input	Rated	kW	0.49	0.82	1.38		
	EER			5.10	4.27	3.62		
	AEER			5.07	4.25	3.61		
		New Star rating	Hot and Humid	5.0	4.0	3.5		
			Mixed	4.5	4.0	3.0		
			Cold	5.0	4.0	3.5		
	AEER (Part-load %)			-	-	-		
	Heating	Capacity	Rated	kW	3.2	4.0	6.0	
			Max.	kW	6.3	7.0	9.0	
			Min.	kW	0.8	0.9	1.8	
Total Input		Rated	kW	0.60	0.82	1.50		
COP				5.33	4.88	4.00		
ACOP			5.30	4.86	3.99			
		New Star rating	Hot and Humid	4.0	3.5	3.0		
			Mixed	3.5	3.5	2.5		
			Cold	3.0	3.0	2.5		
ACOP (Part-load %)			-	-	-			
Operating Current (Max.)			A	9.9	10.5	15.2		
Indoor Unit	Input	Cooling	Rated	W	20	29		
		Heating	Rated	W	27	34		
	Operating Current (Max.)			A	0.26	0.26	0.33	
	Dimensions	Unit	Height	mm	307	307		
			Width	mm	890	890		
			Depth	mm	233	233		
	Weight	Unit		kg	15.5	15.5	16	
	Air Volume Cooling (Quiet-Low-Med.-High-Super High)			m³/h	282-354-426-552-744	282-354-426-552-780	342-450-528-636-834	
	Air Volume Heating (Quiet-Low-Med.-High-Super High)			m³/h	270-396-450-660-834	270-396-450-660-834	324-438-594-798-918	
	Sound Level (SPL) Cooling (Quiet-Low-Med.-High-Super High)			dB(A)	19-23-29-36-42	19-24-29-36-43	27-31-35-39-46	
	Sound Level (SPL) Heating (Quiet-Low-Med.-High-Super High)			dB(A)	19-24-29-38-45	19-24-29-38-45	25-29-35-43-47	
	Outdoor Unit	Dimensions		Height	mm	550	550	880
				Width	mm	800	800	840
				Depth	mm	285	285	330
Weight			kg	34	34	53		
Air Volume		Cooling	Rated (Low-High)	m³/h	984-2,058	984-2,058	1,632-3,762	
		Heating	Rated (Low-Med.-High)	m³/h	1,356-1,776-2,058	1,356-1,776-2,058	2,124-3,300-3,300	
Sound Level (SPL)		Cooling	Rated	dB(A)	46	49	51	
		Heating	Rated	dB(A)	49	50	55	
Sound Level (PWL)		Cooling	Rated	dB(A)	60	61	64	
		Heating	Rated	dB(A)	-	-	-	
Operating Current (Max.)			A	9.6	10.2	14.8		
Breaker Size			A	10	12	16		
Ext.Piping		Diameter	Liquid	mm	6.35	6.35	6.35	
			Gas	mm	9.52	9.52	9.52	
	Max.Length	Out-In		m	20	20	30	
	Max.Height	Out-In	Below Indoor	m	12	12	15	
			Above Indoor	m	12	12	15	
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+46	+46	+46	
			Lower Limit.	°C	-10	-10	-10	
		Heating	Upper Limit.	°C	+24	+24	+24	
			Lower Limit.	°C	-25	-25	-25	

(*1) Optional air protection guide is required where ambient temperature is lower than -5°C.