

C.1.1 SPECIFICATIONS

C.1.1.1 Inverter

Model Name		Indoor Unit		MSZ-LN25VGDV	MSZ-LN35VGDV	MSZ-LN50VGDV	MSZ-LN60VGDV		
				MSZ-LN25VGDB	MSZ-LN35VGDB	MSZ-LN50VGDB	MSZ-LN60VGDB		
				MSZ-LN25VGDR	MSZ-LN35VGDR	MSZ-LN50VGDR	MSZ-LN60VGDR		
		Outdoor Unit		MUZ-LN25VGD	MUZ-LN35VGD	MUZ-LN50VGD	MUZ-LN60VGD		
Power Supply	Outdoor	Source	Outdoor power supply	230	230	230	230		
		Phase	Single	Single	Single	Single			
		Hz	50	50	50	50			
	Indoor	Source	Indoor power supply	230	230	230	230		
		Phase	Single	Single	Single	Single			
		Hz	50	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	0.71		
	Total Input	Rated	kW	0.49	0.82	1.38	1.70		
	EER			5.10	4.27	3.62	3.59		
	AEER	New Star rating	Hot and Humid		5.07	4.25	3.61	3.58	
			Mixed		5.0	4.5	3.5	3.0	
			Cold		4.5	4.0	3.5	3.0	
					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	1.75		
COP				5.33	4.88	4.05	3.89		
ACOP		New Star rating	Hot and Humid		5.30	4.86	4.04	3.88	
			Mixed		4.0	3.5	3.0	3.0	
			Cold		3.5	3.5	2.5	2.5	
					3.0	3.0	2.0	2.0	
ACOP (Part-load %)				-	-	-	-		
Operating Current (Max.)				A	7.1	9.9	13.8	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)				m ³ /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)				m ³ /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)	m ³ /h	984-2,058	984-2,058	1,326-2,748	1,632-3,762	
		Heating	Rated (Low-Med.-High)	m ³ /h	1,356-1,776-2,058	1,356-1,776-2,058	1,704-2,244-2,622	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	
Guaranteed Operating Range	Outdoor	Cooling	Upper Limit.	°C	+46	+46	+46	+46	
			Lower Limit.	°C	-10	-10	-10	-10	
	Heating	Upper Limit.	°C	+24	+24	+24	+24		
		Lower Limit.	°C	-15	-15	-15	-15		

Model Name	Indoor Unit			MSZ-LN25VGDV MSZ-LN25VGDB MSZ-LN25VGDR	MSZ-LN35VGDV MSZ-LN35VGDB MSZ-LN35VGDR	MSZ-LN50VGDV MSZ-LN50VGDB MSZ-LN50VGDR	MSZ-LN60VGDV MSZ-LN60VGDB MSZ-LN60VGDR		
	Outdoor Unit			MUZ-LN25VGHZ2	MUZ-LN35VGHZ2	MUZ-LN50VGHZ2	MUZ-LN60VGHZ		
Power Supply	Outdoor			Source	Outdoor power supply	Outdoor power supply	Outdoor power supply	Outdoor power supply	
				V	230	230	230	230	
	Indoor			Phase	Single	Single	Single	Single	
				Hz	50	50	50	50	
				V	230	230	230	230	
				Phase	Single	Single	Single	Single	
			Hz	50	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	5.8	6.9		
		Min.	kW	0.8	0.8	1.4	1.4		
	SHF	Rated		0.97	0.90	0.77	0.71		
	Total Input	Rated	kW	0.49	0.82	1.38	1.70		
	EER			5.10	4.27	3.62	3.59		
	AEER	New Star rating	Hot and Humid		5.07	4.25	3.61	3.58	
				Mixed	5.0	4.0	3.5	3.0	
					4.5	4.0	3.0	3.0	
				Cold	5.0	4.0	3.5	3.0	
	AEER (Part-load %)				-	-	-	-	
	Heating	Capacity	Rated	kW	3.2	4.0	6.0	6.8	
			Max.	kW	6.3	7.0	9.0	10.0	
Min.			kW	0.8	0.9	1.8	1.8		
Total Input		Rated	kW	0.60	0.82	1.47	1.75		
COP				5.33	4.88	4.08	3.89		
ACOP		New Star rating	Hot and Humid		5.30	4.86	3.99	3.88	
				Mixed	4.0	3.5	3.0	3.0	
					3.5	3.5	2.5	2.5	
				Cold	3.0	3.0	2.5	2.0	
ACOP (Part-load %)				-	-	-	-		
Operating Current (Max.)				A	9.9	10.5	15.1	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	0.37	
	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)			m ³ /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)			m ³ /h	270-396-450-660-834	270-396-450-660-834	324-438-594-798-918	390-564-690-816-1104	
	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	29-37-41-45-52	
	Outdoor Unit	Dimensions		Height	mm	550	550	880	880
				Width	mm	800	800	840	840
		Depth	mm	285	285	330	330		
Weight			kg	34	34	53	53		
Air Volume		Cooling	Rated (Low-High)	m ³ /h	984-2,058	984-2,058	1,632-3,762	1,632-3,762	
		Heating	Rated (Low-Med.-High)	m ³ /h	1,356-1,776-2,058	1,356-1,776-2,058	2,124-3,300-3,300	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	9.6	10.2	14.8	14.8		
Breaker Size			A	10	12	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	15	15	
Guaranteed Operating Range	Outdoor	Cooling	Upper Limit.	°C	+46	+46	+46	+46	
			Lower Limit.	°C	-10	-10	-10	-10	
	Heating	Upper Limit.	°C	+24	+24	+24	+24		
		Lower Limit.	°C	-25	-25	-25	-25		

WALL-MOUNTED SPECIFICATIONS