

C.2.1 SPECIFICATIONS

C.2.1.1 Inverter Heat Pump

Model Name	Indoor Unit			MFZ-KW25VG	MFZ-KW35VG	MFZ-KW42VG	
	Outdoor Unit			MUFZ-KW25VG	MUFZ-KW35VG	MUFZ-KW42VG	
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	4.2	
		Max.	kW	3.4	3.8	5.0	
		Min.	kW	0.7	0.7	0.7	
	SHF	Rated		0.93	0.80	0.83	
	Total Input	Rated	kW	0.57	0.87	1.11	
	EER			4.38	4.02	3.78	
	AEER			4.32	3.98	3.75	
	New Star rating			Hot and Humid	4.0	3.5	
				Mixed	3.5	3.0	
				Cold	3.5	3.5	
	AEER (Part-load %)			-	-	-	
	Heating	Capacity	Rated	kW	3.4	4.3	5.4
			Max.	kW	4.6	6.0	6.7
			Min.	kW	0.23	0.23	0.23
Total Input		Rated	kW	0.78	1.14	1.43	
COP			4.35	3.77	3.77		
ACOP			4.31	3.74	3.75		
New Star rating			Hot and Humid	3.0	3.0		
			Mixed	2.5	2.5		
			Cold	2.5	2.0		
ACOP (Part-load %)			-	-	-		
Operating Current (Max.)				A	9.9	10.1	
Indoor Unit	Input	Cooling	Rated	kW	0.28	0.28	
		Heating	Rated	kW	0.28	0.28	
	Operating Current (Max.)			A	0.25	0.25	
	Dimensions	Unit	Height	mm	600	600	
			Width	mm	750	750	
			Depth	mm	215	215	
	Weight	Unit	kg	15	15	15	
	Air Volume Cooling (Quiet-Low-Med.-High-Super High)			m³/min.	3.9-4.8-6.4-8.1-10.3	3.9-4.8-6.4-8.1-10.3	
	Air Volume Heating (Quiet-Low-Med.-High-Super High)			m³/min.	3.5-4.5-6.1-8.1-10.4	3.5-4.5-6.1-8.1-10.4	
	Sound Level (SPL) Cooling (Quiet-Low-Med.-High-Super High)			dB(A)	20-26-32-38-44	20-26-32-38-44	
	Sound Level (SPL) Heating (Quiet-Low-Med.-High-Super High)			dB(A)	18-25-31-38-44	18-25-31-38-44	
	Outdoor Unit	Dimensions		Height	mm	550	550
Width				mm	800	800	
Depth				mm	285	285	
Weight			kg	35	35		
Air Volume		Cooling	Rated (Low-High)	m³/min.	16.4-32.7	16.4-32.7	
		Heating	Rated (Low-Med.-High)	m³/min.	22.6-27.3-32.7	22.6-27.3-32.7	
Sound Level (SPL)		Cooling	Rated	dB(A)	48	48	
		Heating	Rated	dB(A)	46	47	
Sound Level (PWL)		Cooling	Rated	dB(A)	61	61	
		Heating	Rated	dB(A)	59	60	
Operating Current (Max.)			A	9.6	9.6		
Breaker Size			A	10	12		
Ext.Piping	Diameter	Liquid	mm	6.35	6.35		
		Gas	mm	9.52	9.52		
	Max.Length	Out-In	m	20	20		
	Max.Height	Out-In	m	12	12		
		Below Indoor Above Indoor	m	12	12		
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+46	+46	
			Lower Limit.	°C	-10	-10	
		Heating	Upper Limit.	°C	+24	+24	
			Lower Limit.	°C	-15	-15	

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

Model Name	Indoor Unit			MFZ-KW50VG	MFZ-KW60VG
	Outdoor Unit			MUFZ-KW50VG	MUFZ-KW60VG
Power Supply	Outdoor			Source	Outdoor power supply
				V	230
				Phase	Single
				Hz	50
	Indoor			V	230
				Phase	Single
Refrigerant				Hz	50
				R32	R32
	Cooling	Capacity	Rated	kW	5.0
			Max.	kW	6.1
			Min.	kW	5.7
	SHF	Rated			0.71
					0.73
					0.73
	Total Input	Rated		kW	1.32
					1.73
					1.73
	EER				3.78
					3.52
					3.52
	AEER	New Star rating	Hot and Humid		3.76
			Mixed		3.0
			Cold		2.5
Heating	Capacity	Rated		kW	5.8
					6.5
					6.5
	Max.			kW	8.2
					8.8
					8.8
	Min.			kW	1.2
					1.2
					1.2
	Total Input	Rated		kW	1.53
					1.88
					1.88
	COP				3.79
					3.45
					3.45
Operating Current (Max.)	ACOP	New Star rating	Hot and Humid		3.77
			Mixed		3.0
			Cold		2.5
	ACOP (Part-load %)				2.5
					2.5
					2.5
	Input	Cooling	Rated	kW	15.3
					15.4
					15.4
	Heating	Rated		kW	0.26
					0.63
					0.63
	Operating Current (Max.)			A	0.52
					0.47
					0.47
Indoor Unit	Dimensions	Unit	Height	mm	0.47
			Width	mm	0.55
			Depth	mm	0.55
	Weight			kg	600
					750
					750
	Air Volume Cooling			m ³ /min.	215
					15
					15
	Air Volume Heating			m ³ /min.	5.6-6.7-8.0-9.3-10.6
					5.6-8.0-9.6-12.3-15.0
					5.6-8.0-9.6-12.3-15.0
	Sound Level (SPL) Cooling			dB(A)	6.0-7.7-9.4-11.6-14.0
					6.0-7.7-9.7-12.5-14.6
					6.0-7.7-9.7-12.5-14.6
Outdoor Unit	Sound Level (SPL) Heating			dB(A)	27-31-35-39-44
					27-35-39-46-53
					27-35-39-46-53
	Sound Level (SPL) Heating			dB(A)	29-35-40-45-50
					29-35-41-47-51
					29-35-41-47-51
	Dimensions		Height	mm	880
			Width	mm	880
			Depth	mm	840
	Weight			kg	330
					330
					330
	Air Volume	Cooling	Rated (Low-High)	m ³ /min.	54
					28.6-48.8
					28.6-48.8
	Heating	Rated (Low-Med.-High)		m ³ /min.	28.6-48.8
					38.0-51.3-51.3
					38.0-51.3-51.3
Ext.Piping	Sound Level (SPL)	Cooling	Rated	dB(A)	53
					53
					53
	Sound Level (PWL)	Cooling	Rated	dB(A)	56
					56
					56
	Operating Current (Max.)	Heating	Rated	dB(A)	66
					66
					66
	Breaker Size	Heating	Rated	dB(A)	69
					69
					69
	Diameter	Liquid		A	14.8
					14.8
					14.8
	Max.Length	Gas		A	16
					16
					16
Guaranteed Operating Range	Max.Height	Out-In		m	30
					30
					30
	Below Indoor	Above Indoor		m	15
					15
					15
	Cooling ^(*)	Upper Limit.		°C	+46
					+46
					+46
	Heating	Upper Limit.		°C	-10
					-10
					-10
	Lower Limit.			°C	+24
					+24
					+24

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

Model Name	Indoor Unit			MFZ-KW50VG		MFZ-KW60VG			
	Outdoor Unit			MUFZ-KW50VGHZ		MUFZ-KW60VGHZ			
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			
Cooling	Capacity	Rated	kW	5.0		6.1			
		Max.	kW	5.7		6.5			
		Min.	kW	1.0		1.0			
	SHF	Rated			0.71		0.73		
	Total Input	Rated	kW	1.32		1.73			
	EER				3.78		3.52		
	AEER				3.76		3.50		
		New Star rating	Hot and Humid	3.0		2.5			
			Mixed	2.5		2.5			
			Cold	2.5		2.5			
	AEER (Part-load %)					-		-	
	Heating	Capacity	Rated	kW	5.8		6.5		
			Max.	kW	8.4		9.0		
Min.			kW	1.2		1.2			
Total Input		Rated	kW	1.53		1.88			
COP					3.79		3.45		
ACOP					3.77		3.44		
		New Star rating	Hot and Humid	3.0		3.0			
			Mixed	2.5		2.5			
			Cold	2.0		2.0			
ACOP (Part-load %)					-		-		
Operating Current (Max.)				A	15.3		15.4		
Indoor Unit	Input	Cooling	Rated	kW	0.26		0.63		
		Heating	Rated	kW	0.52		0.59		
	Operating Current (Max.)			A	0.47		0.55		
	Dimensions	Unit	Height	mm	600		600		
			Width	mm	750		750		
			Depth	mm	215		215		
	Weight	Unit			kg	15		15	
	Air Volume Cooling (Quiet-Low-Med.-High-Super High)			m³/min.	5.6-6.7-8.0-9.3-10.6		5.6-8.0-9.6-12.3-15.0		
	Air Volume Heating (Quiet-Low-Med.-High-Super High)			m³/min.	6.0-7.7-9.4-11.6-14.0		6.0-7.7-9.7-12.5-14.6		
	Sound Level (SPL) Cooling (Quiet-Low-Med.-High-Super High)			dB(A)	27-31-35-39-44		27-35-39-46-53		
	Sound Level (SPL) Heating (Quiet-Low-Med.-High-Super High)			dB(A)	29-35-40-45-50		29-35-41-47-51		
Outdoor Unit	Dimensions		Height	mm	880		880		
			Width	mm	840		840		
			Depth	mm	330		330		
	Weight				kg	54		54	
	Air Volume	Cooling	Rated (Low-High)	m³/min.	28.6-48.8		28.6-48.8		
		Heating	Rated (Low-Med.-High)	m³/min.	38.0-51.3-51.3		38.0-51.3-51.3		
	Sound Level (SPL)	Cooling	Rated	dB(A)	53		53		
		Heating	Rated	dB(A)	56		56		
	Sound Level (PWL)	Cooling	Rated	dB(A)	66		66		
		Heating	Rated	dB(A)	69		69		
	Operating Current (Max.)			A	14.8		14.8		
	Breaker Size			A	16		20		
Ext.Piping	Diameter	Liquid		mm	6.35		6.35		
		Gas		mm	12.70		12.70		
	Max.Length	Out-In		m	30		30		
	Max.Height	Out-In	Below Indoor	m	15		15		
Above Indoor			m	15		15			
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+46		+46		
			Lower Limit.	°C	-10		-10		
		Heating	Upper Limit.	°C	+24		+24		
			Lower Limit.	°C	-25		-25		

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