

R32 | M Series Quick Reference Guide 2019

MODEL REFERENCE	Capacity (kW)				SHF (Nominal)	System Power Input Heating / Cooling (kW)		Nominal COP / EER	SCOP (inst) / SEER (inst) (SSEN14825)	Airflow (l/s) Heating / Cooling Lo-M1-M2-Hi	Sound Pressure Level (dBA) Heating / Cooling Lo-M1-M2-Hi	Starting Current (A) Outdoor	System Running Current (A) Heating / Cooling [MAX]	Phase	Mains Cable			Pipe Size mm (in)		Max Pipe Length (m)	Max Pipe Height (m)	Weight (kg)	Dimensions (mm) WxDxH Indoor / Outdoor	Fuse Rating (A) Indoor / Outdoor
	Nominal Heating	Nominal Cooling	UK Heating	UK Cooling		Nominal	UK								Indoor	Outdoor	Inter-connecting Cable	Gas	Liquid					
															3	4	4	9.52 (3/8")	6.35 (1/4")					
R32 MSZ-LN WALL MOUNTED INVERTER SYSTEMS																								
MSZ-LN18VG R/B/W/W N/A Multi-Split Only	2.0 (0.9 - 4.0)	1.8 (0.9 - 3.0)	-	-	-	-	-	-	-	67-95-118-142-240 / 71-97-118-147-198	19-24-29-36-45 / 19-23-29-36-42	-	-	Single	Fed by Outdoor Unit	-	-	9.52 (3/8")	6.35 (1/4")	-	-	15.5	890x233x307	6 / -
MSZ-LN25VG R/B/W/W MUZ-LN25VG	3.2 (0.8 - 5.4)	2.5 (1.0 - 3.5)	2.64 (0.66 - 4.45)	2.48 (0.99 - 3.47)	0.97	0.58 / 0.485	0.523 / 0.406	5.52 / 5.15	5.2 / 10.5	67-95-118-142-240 / 71-97-118-147-198	19-24-29-36-45 / 19-23-29-36-42	3.0	3.0 / 2.5 [7.1]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	15.5 / 35	890x233x307 / 800x285x550	6 / 10
MSZ-LN35VG R/B/W/W MUZ-LN35VG	4.0 (1.0 - 6.3)	3.5 (0.8 - 4.0)	3.3 (0.83 - 5.2)	3.47 (0.79 - 3.96)	0.90	0.80 / 0.82	0.722 / 0.686	5.0 / 4.27	5.1 / 9.5	71-97-118-142-240 / 71-97-118-147-213	19-24-29-36-45 / 19-24-29-36-43	4.0	4.0 / 3.9 [9.9]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	15.5 / 35	890x233x307 / 800x285x550	6 / 10
MSZ-LN50VG R/B/W/W MUZ-LN50VG	6.0 (1.0 - 8.2)	5.0 (1.0 - 6.0)	4.94 (0.82 - 6.75)	4.95 (0.99 - 5.94)	0.77	1.48 / 1.38	1.335 / 1.151	4.05 / 3.62	4.6 / 8.5	90-107-142-178-282 / 95-127-146-177-232	25-29-34-39-47 / 27-31-35-39-46	6.8	6.8 / 6.3 [13.9]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	15.5 / 40	890x233x307 / 800x285x714	6 / 16
MSZ-LN60VG R/B/W/W MUZ-LN60VG	6.8 (1.8 - 9.3)	6.1 (1.4 - 6.9)	5.6 (1.48 - 7.66)	6.05 (1.38 - 6.84)	0.75	1.81 / 1.79	1.632 / 1.494	3.76 / 3.41	4.6 / 7.5	110-158-192-227-282 / 118-147-177-212-282	29-37-41-45-49 / 29-37-41-45-49	7.9	7.9 / 7.9 [15.2]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	12.7 (1/2")	6.35 (1/4")	30	15	15.5 / 55	890x233x307 / 840x330x880	6 / 16

R32 MSZ-EF ZEN WALL MOUNTED INVERTER SYSTEMS																								
MSZ-EF25VG B/S/W MUZ-EF25VG	3.2 (1.0-4.2)	2.5 (0.9-3.4)	2.65 (0.91-3.49)	2.48 (0.89-3.37)	0.97	0.70 / 0.54	0.64 / 0.44	4.57 / 4.63	4.7 / 9.1	67-77-103-148-198 / 67-77-103-138-175	21-24-29-37-45 / 21-24-29-36-42	3.6	3.6 / 3.0 [8.8]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	11.5 / 31	885x195x299 / 800x285x550	6 / 10
MSZ-EF35VG B/S/W MUZ-EF35VG	4.0 (1.3-5.1)	3.5 (1.1-4.0)	3.32 (1.08-4.23)	3.47 (1.09-3.96)	0.80	0.95 / 0.91	0.87 / 0.73	4.21 / 3.85	4.6 / 8.8	67-77-103-148-212 / 67-77-103-138-175	21-24-30-38-46 / 21-24-30-36-42	4.4	4.4 / 4.2 [8.8]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	11.5 / 34	885x195x299 / 800x285x550	6 / 10
MSZ-EF50VG B/S/W MUZ-EF50VG	5.8 (1.4-7.5)	5.0 (1.4-5.4)	4.82 (1.16-6.23)	4.96 (1.39-5.36)	0.70	1.56 / 1.54	1.42 / 1.24	3.72 / 3.25	4.5 / 7.5	107-120-150-185-243 / 97-113-132-153-188	30-33-37-43-49 / 30-33-36-40-43	7.1	7.1 / 6.9 [13.6]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	30	15	11.5 / 40	885x195x299 / 800x285x550	6 / 16

R32 MSZ-AP WALL MOUNTED INVERTER SYSTEMS																								
MSZ-AP15VG N/A Multi-Split Only	1.7 (1.2-3.0)	1.5 (0.9-2.7)	-	-	-	-	-	-	-	62-73-83-100-113 / 58-65-77-92-107	21-26-30-35-40 / 21-26-30-35-40	-	-	Single	Fed by Outdoor Unit	-	-	9.52 (3/8")	6.35 (1/4")	-	-	8.2	760x178x250	6 / -
MSZ-AP20VG MUZ-AP20VG	2.5 (0.5-3.5)	2.0 (0.6-2.7)	2.06 (0.4-2.9)	1.98 (0.6-2.7)	0.80	0.60 / 0.46	0.52 / 0.38	4.17 / 4.35	4.1 / 8.6	62-73-83-100-122 / 58-65-77-92-115	21-26-30-35-42 / 21-26-30-35-42	3.2	3.2 / 2.6 [7.0]	Single	Fed by Outdoor Unit	-	-	9.52 (3/8")	6.35 (1/4")	20	12	8.2 / 31	760x178x250 / 800x285x550	6 / 10
MSZ-AP25VG(K) MUZ-AP25VG	3.2 (1.0-4.1)	2.5 (0.9-3.4)	2.64 (0.8-3.4)	2.48 (0.9-3.4)	0.92	0.78 / 0.60	0.70 / 0.50	4.1 / 4.17	4.8 / 8.6	82-98-122-148-215 / 82-98-118-145-190	19-24-34-39-45 / 19-24-30-36-42	3.6	3.6 / 2.9 [7.06]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	10.5 / 31	798x219x299 / 800x285x550	6 / 10
MSZ-AP35VG(K) MUZ-AP35VG	4.0 (1.6-4.3)	3.5 (1.1-3.8)	3.3 (1.1-3.8)	3.47 (1.1-3.8)	0.88	1.03 / 0.99	0.93 / 0.83	3.88 / 3.54	4.7 / 8.6	82-98-122-148-215 / 82-98-118-145-190	19-24-31-38-45 / 19-24-30-36-42	4.7	4.7 / 4.5 [8.46]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	10.5 / 31	798x219x299 / 800x285x550	6 / 10
MSZ-AP42VG MUZ-AP42VG	5.4 (1.3-6.0)	4.2 (0.9-4.5)	4.45 (1.1-4.9)	4.17 (0.9-4.5)	0.77	1.49 / 1.30	1.34 / 1.09	3.62 / 3.23	4.7 / 7.8	88-102-128-157-233 / 90-108-128-155-190	21-29-35-40-45 / 21-29-34-38-42	6.6	6.6 / 5.8 [9.6]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	10.5 / 35	798x219x299 / 800x285x550	6 / 10
MSZ-AP50VG(K) MUZ-AP50VG	5.8 (1.4-7.3)	5.0 (1.4-5.4)	4.78 (1.2-6.0)	4.95 (1.4-5.3)	0.74	1.60 / 1.55	1.44 / 1.29	3.63 / 3.23	4.7 / 7.4	93-108-137-167-233 / 100-120-140-167-210	28-33-38-43-48 / 28-33-36-40-44	7.0	7.0 / 6.9 [13.6]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	10.5 / 40	798x219x299 / 800x285x714	6 / 16
MSZ-AP60VG(K) MUZ-AP60VG	6.8 (2.0-8.6)	6.1 (1.4-7.3)	5.6 (1.6-7.1)	6.05 (1.4-7.2)	0.83	1.67 / 1.59	1.51 / 1.33	4.07 / 3.84	4.6 / 7.4	183-223-257-293-338 / 157-183-223-267-315	30-37-41-45-48 / 30-37-41-45-48	7.4	7.4 / 7.1 [14.0]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	12.7 (1/2")	6.35 (1/4")	30	15	16 / 40	1100x257x325 / 800x285x714	6 / 16
MSZ-AP71VG(K) MUZ-AP71VG	8.0 (2.2-10.3)	7.1 (2.0-8.7)	6.68 (1.8-8.6)	7.04 (2.0-8.6)	0.77	2.12 / 2.01	1.91 / 1.68	3.82 / 3.53	4.4 / 7.2	170-192-220-255-320 / 160-192-220-255-310	30-37-41-45-51 / 30-37-41-45-49	9.3	9.3 / 8.8 [16.4]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	12.7 (1/2")	6.35 (1/4")	30	15	17 / 55	1100x257x325 / 840x330x880	6 / 20

R32 MSZ-HR CLASSIC WALL MOUNTED INVERTER SYSTEMS																								
MSZ-HR25VF MUZ-HR25VF	3.15 (0.7-3.5)	2.5 (0.5-2.9)	2.61 (0.6-2.9)	2.48 (0.5-2.8)	0.78	0.85 / 0.80	0.77 / 0.63	3.71 / 3.13	4.3 / 6.2	55-90-123-168 / 60-90-120-162	21-30-37-43 / 21-30-37-43	4.1	4.1 / 3.8 [8.8]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	8.5 / 23	838x228x280 / 699x249x538	6 / 10
MSZ-HR35VF MUZ-HR35VF	3.6 (0.9-3.7)	3.4 (0.9-3.4)	2.99 (0.75-3.1)	3.37 (0.89-3.4)	0.78	0.98 / 1.21	0.89 / 0.96	3.69 / 2.81	4.3 / 6.2	55-90-123-175 / 60-93-130-195	21-30-37-44 / 22-31-38-46	5.9	4.6 / 5.9 [6.4]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	8.5 / 24	838x228x280 / 699x249x538	6 / 10
MSZ-HR50VF MUZ-HR50VF	5.4 (1.4-6.5)	5.0 (1.3-5.0)	4.48 (1.16-5.39)	4.96 (1.29-4.96)	0.73	1.55 / 2.05	1.40 / 1.62	3.48 / 2.44	4.3 / 6.5	102-138-187-242 / 107-153-187-218	27-34-41-47 / 28-36-40-45	9.0	6.9 / 9.0 [9.6]	Single	Fed by Outdoor Unit	3 Core 220-240v	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	9 / 35	838x228x280 / 800x285x550	6 / 16

R32 MSY-TP HIGH SHF WALL MOUNTED INVERTER SYSTEMS																								
MSY-TP35VF MUY-TP35VF	-	3.5 (1.5-4.0)	-	3.47 (1.48-3.96)	0.98	0.76	0.64	4.61	9.0	168-193-228-273	31-36-40-45	3.6	3.6 [9.2]	Single	3 Core 220-240v	Fed by Indoor Unit	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	12.5 / 34	923x250x305 / 800x285x550	10 / 10
MSY-TP50VF MUY-TP50VF	-	5.0 (1.5-5.7)	-	4.96 (1.48-5.65)	0.82	1.45	1.12	3.45	8.0	168-193-228-273	31-36-40-45	6.4	6.4 [9.2]	Single	3 Core 220-240v	Fed by Indoor Unit	4 Core	9.52 (3/8")	6.35 (1/4")	20	12	12.5 / 34	923x250x305 / 800x285x550	10 / 10

R32 MXZ-F MULTI-SPLIT INVERTER SYSTEMS																								
MXZ-2F33VF2	4.0 (1.0 - 4.1)	3.3 (1.1 - 3.8)	3.32 (0.83-3.4)	3.23 (1.07-3.72)	-	0.909 / 0.846	0.82 / 0.68	4.4 / 3.9 ¹	4.16 / 6.13	33.7 / 32.9 (m³/min)	50 / 49	4.6	4.6 / 4.3 [10.0]	Single	-	3 Core 220-240v	4 Core	-	-	20	10	33	800 x 285 x 550	16
MXZ-2F42VF2	4.5 (1.0 - 4.8)	4.2 (1.1 - 4.4)	3.74 (0.84-3.99)	4.12 (1.08-4.32)	-	0.88 / 0.98	0.90 / 0.78	5.1 / 4.3 ¹	4.6 / 8.69	33.3 / 27.7 (m³/min)	50 / 44	4.2	4.2 / 4.5 [12.2]	Single	-	3 Core 220-240v	4 Core	-	-	30	15 ²	37	800 x 285 x 550	16
MXZ-3F54VF2	7.0 (2.6 - 9.0)	5.4 (2.9 - 6.8)	5.81 (2.16-7.47)	5.3 (2.85-6.67)	-	1.52 / 1.32	1.38 / 1.06	4.6 / 4.1 ¹	4.61 / 8.52	43.0 / 42.1 (m³/min)	50 / 46	7.0	7.0 / 5.9 [18.0]	Single	-	3 Core 220-240v	4 Core	-	-	50	15 ²	58	840 x 330 x 710	25
MXZ-3F68VF2	8.6 (2.6 - 10.6)	6.8 (2.9 - 8.4)	7.14 (2.16-8.8)	6.66 (2.84-8.23)	-	1.91 / 1.84	1.73 / 1.47	4.5 / 3.7 ¹	4.12 / 7.96	43.0 / 42.1 (m³/min)	53 / 48	10.5	10.5 / 9.6 [18.0]	Single	-	3 Core 220-240v	4 Core	-	-	60	15 ²	58	840 x 330 x 710	25
MXZ-4F72VF2	8.6 (3.4 - 10.7)	7.2 (3.7 - 8.8)	7.14 (2.82-8.89)	7.0 (3.59-8.56)	-	1.87 / 1.85	1.69 / 1.48	4.6 / 3.9 ¹	4.07 / 8.13	43.0 / 42.1 (m³/min)	54 / 48	10.0	10.0 / 9.5 [18.0]	Single	-	3 Core 220-240v	4 Core	-	-	60	15 ²	59	840 x 330 x 710	25
MXZ-4F80VF2	8.8 (3.4 - 11.0)	8.0 (3.7-9.0)	7.31 (2.82 - 9.12)	7.77 (3.59-8.75)	-	2.00 / 2.25	1.81 / 1.80	4.4 / 3.56 ¹	4.07 / 7.55	42.7 / 35.4 (m³/min)	55 / 50	12.5	10.1 / 10.1 [18.0]	Single	-	3 Core 220-240v	4 Core	-	-	60	15 ²	59	840 x 330 x 710	25

Nominal Conditions: cooling indoor 27°C DB, 19°C WB; outdoor 35°C DB, 24°C WB.
 Nominal Conditions Heating: indoor 20°C DB; outdoor 7°C DB, 6°C WB.
 UK Conditions: Summer; indoor 21°C DB, 15°C WB; outdoor 27°C DB.
 UK Conditions: Winter; indoor 21°C DB; outdoor -1°C WB.

All fuse ratings are based on British Standard (BS88-HRC)

Notes:

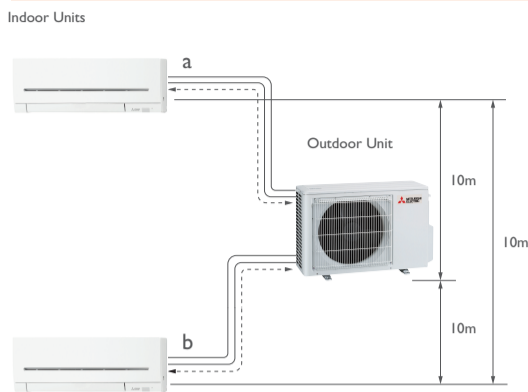
- *1 - System COP / EER when connected to MSZ-LN / MSZ-AP x indoor unit connections
- *2 - 10 if outdoor unit higher than indoor unit



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MXZ Multi-Split Piping Restrictions

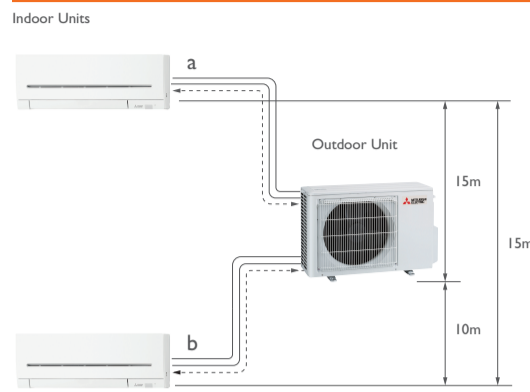
MXZ-2F33VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b)	15m
Total piping length (a+b)	20m
Max No. of bends per unit	15
Total No. of bends	20

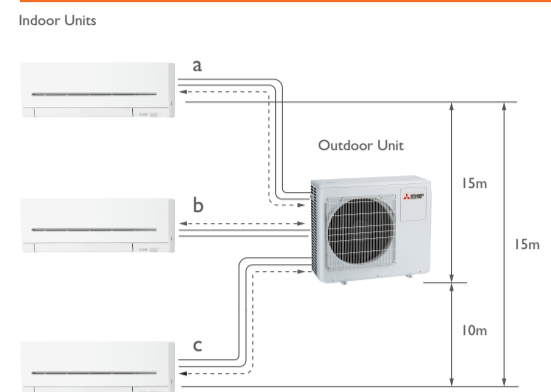
MXZ-2F42VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b)	20m
Total piping length (a+b)	30m
Max No. of bends per unit	30
Total No. of bends	20

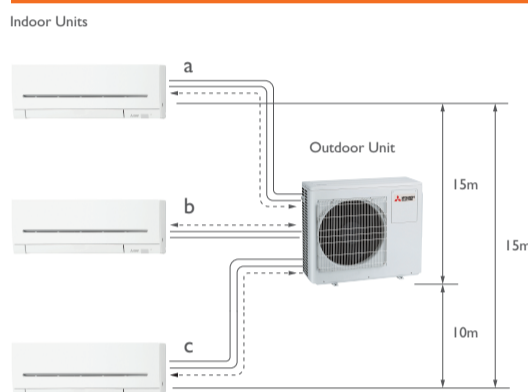
MXZ-3F54VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b, c)	25m
Total piping length (a+b+c)	50m
Max No. of bends per unit	25
Total No. of bends	50

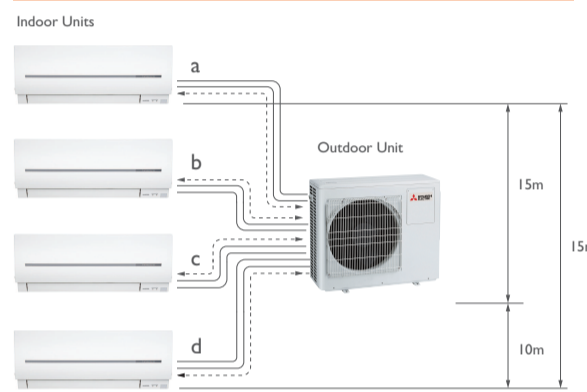
MXZ-3F68VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b, c)	25m
Total piping length (a+b+c)	60m
Max No. of bends per unit	25
Total No. of bends	60

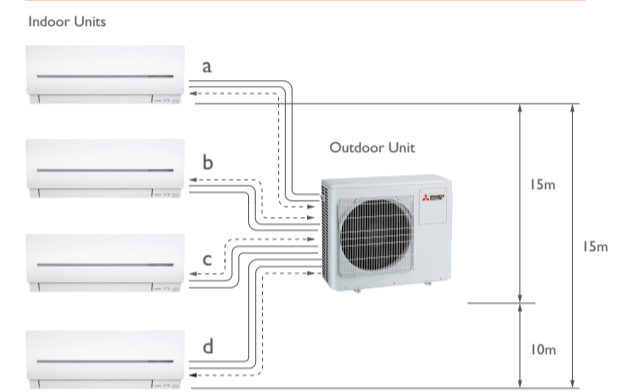
MXZ-4F72VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b, c, d)	25m
Total piping length (a+b+c+d)	60m
Max No. of bends per unit	25
Total No. of bends	60

MXZ-4F80VF2



Max Refrigerant Piping Length

Piping length per indoor unit (a, b, c, d)	25m
Total piping length (a+b+c+d)	60m
Max No. of bends per unit	25
Total No. of bends	60

Additional Refrigerant Charge

R32 Refrigerant Charge (kg) - GWP 675

Model	Pipe Length (m)									Initial Charge (kg)	Initial Charge CO ₂ Equivalent (t)	Max Additional Charge (kg)	Max Additional CO ₂ Equivalent (t)	Total Pipe Length (m)
	7m	10m	12m	14m	15m	18m	20m	25m	30m					
MUZ-LN25VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	1.00	0.68	0.26	0.18	20
MUZ-LN35VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	1.00	0.68	0.26	0.18	20
MUZ-LN50VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	1.25	0.85	0.26	0.18	20
MUZ-LN60VG	-	0.06	0.10	0.14	0.16	0.22	0.26	0.36	0.46	1.45	0.98	0.46	0.32	30
MUZ-EF25VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.62	0.42	0.26	0.18	20
MUZ-EF35VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.74	0.50	0.26	0.18	20
MUZ-EF50VG	-	0.06	0.10	0.14	0.16	0.22	0.26	0.36	0.46	1.05	0.71	0.46	0.31	30
MUZ-AP20VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.55	0.38	0.26	0.18	20
MUZ-AP25VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.55	0.37	0.26	0.18	20
MUZ-AP35VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.55	0.37	0.26	0.18	20
MUZ-AP42VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.70	0.47	0.26	0.18	20
MUZ-AP50VG	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	1.00	0.68	0.26	0.18	20
MUZ-AP60VG	-	-	-	-	-	0.06	0.10	0.20	0.30	1.05	0.71	0.30	0.21	30
MUZ-AP71VG	-	-	-	-	-	0.06	0.10	0.20	0.30	1.50	1.02	0.30	0.21	30
MUZ-HR25VF	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.40	0.27	0.26	0.18	20
MUZ-HR35VF	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.45	0.30	0.26	0.18	20
MUZ-HR50VF	-	0.06	0.10	0.14	0.16	0.22	0.26	-	-	0.80	0.54	0.26	0.18	20
MUY-TP35VF	-	0.03	0.05	0.07	0.08	0.11	0.13	-	-	0.85	0.57	0.13	0.09	20
MUY-TP50VF	-	0.03	0.05	0.07	0.08	0.11	0.13	-	-	0.85	0.57	0.13	0.09	20

Drain Size O.D.

All MSZ / MSY Indoor units = 16mm

Note: MUZ: X g = 20 g/m x (Refrigerant piping length (m) - 7)
 MUZ-AP60/71: X g = 20 g/m x (Refrigerant piping length (m) - 15)
 MUY: X g = 10 g/m x (Refrigerant piping length (m) - 7)

Factory Charged



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