NOTES:

1. DO NOT SCALE from the drawing
2. Further dimensions required to be requested from the project technical team
3. Report discrepancies to JDDK project team immediately.
4. This model file contains the following consultants model files:-

MSZ-SF/GF Inverter Heat Pump

Wall Mounted System

The MSZ series has been completely redesigned and features the Nano Platinum filter system.

These models offer industry leading noise levels as low as 21dBA and have a distinctively styled front panel that not only looks appealing, but also helps to make cleaning of the unit easier. To aid control and energy saving, the new universal controller has in built 7 day timeclock.

The MSZ-SF20VA/SF25-50VE are also compatible with City Multi when used in conjuction with the PAC-LV11M LEV kit - please refer to the City Multi section for further information.

Notes: Wide swing & long airflow mode available for MSZ-GF60/71VE. The anti-allergy enzyme filter is optional.





MSZ-SF/GF - INDOOR UNITS		MSZ-SF20VA	MSZ-SF25VE2	MSZ-SF35VE2	MSZ-SF50VE2	MSZ-GF60VE	MSZ-GF71VE
CAPACITY (kW)	Heating (nominal)	-	3.2 (1.0-4.1)	4.0 (1.3-4.6)	5.8 (1.4-7.3)	6.8 (2.0-9.3)	8.1 (2.2-9.9)
	Cooling (nominal)	-	2.5 (0.9-3.4)	3.5 (1.1-3.8)	5.0 (1.4-5.4)	6.0 (1.4-7.5)	7.1 (2.0-8.7)
	Heating (UK)	-	2.66 (0.83-3.41)	3.32 (1.1-3.82)	4.8 (1.16-6.06)	5.65 (1.66-7.73)	6.73 (1.83-8.23)
	Cooling (UK)	-	2.5 (0.89-3.37)	3.47 (1.1-3.77)	4.96 (1.38-5.35)	5.95 (1.38-7.44)	7.0 (1.98-8.63)
SHF (nominal & UK)		-	0.92	0.80	0.70	0.79	0.78
COP / EER (nominal)		-	4.10 / 4.17	3.88 / 3.24	3.41 / 3.01	3.76 / 3.41	3.63 / 3.33
SCOP / SEER (BS EN14825)		-	4.4 / 7.6	4.4 / 7.2	4.4 / 7.2	4.3 / 6.8	4.2 / 6.8
SP ENERGY EFFICIENCY CLASS	Heating/Cooling	-	A+ / A+	A+ / A+	A+ / A+	A+ / A+	A+ / A+
AIRFLOW (l/s)	Heating - Silent-Lo-Md-Hi-Sh	62-73-83-100-115	58-68-112-137-172	58-68-112-138-183	93-107-133-163-200	163-188-223-260-305	170-192-222-257-297
	Cooling - Silent-Lo-Md-Hi-Sh	58-65-77-92-115	58-68-92-120-152	58-68-93-120-152	93-103-117-137-165	163-188-223-260-305	162-192-222-257-297
PIPE SIZE mm (in)	Gas	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")
	Liquid	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling - Silent-Lo-Md-Hi-Sh	21-26-30-33 / 21-26-30-35	19-24-34-39-43 / 19-24-30-36-42	19-24-34-40 / 19-24-30-36-42	28-33-38-42-49 / 28-33-36-40-45	29-37-41-45-49 / 29-37-41-45-48	30-37-41-45-49 / 30-37-41-45-48
SOUND POWER LEVEL (dBA)		-	57	57	58	65	65
DIMENSIONS (mm)	Width x Depth x Height	760 x 168 x 250	798 x 195 x 299	798 x 195 x 299	798 x 195 x 299	1100 x 238 x 325	1100 x 238 x 325
WEIGHT (kg)		7.7	10	10	10	16	16
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6
INTERCONNECTING CABLE No. CORES		4	4	4	4	4	4

MUZ-SF/GF - OUTDOOR UNITS		N/A MULTI-SPLIT ONLY	MUZ-SF25VE	MUZ-SF35VE	MUZ-SF50VE	MUZ-GF60VE	MUZ-GF71VE
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	-	48 / 47	50 / 49	52 / 52	55 / 55	55 / 55
SOUND POWER LEVEL (dBA)	Cooling	-	58	62	65	65	65
WEIGHT (kg)		-	31	31	55	50	53
DIMENSIONS (mm)	Width x Depth x Height	-	800 x 285 x 550	800 x 285 x 550	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880
ELECTRICAL SUPPLY		-	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		-	Single	Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	-	0.780 / 0.600	1.030 / 1.080	1.700 / 1.660	1.810 / 1.790	2.230 / 2.130
	Heating/Cooling (UK)	-	0.71 / 0.49	0.94 / 0.87	1.55 / 1.34	1.65 / 1.45	2.03 / 1.73
STARTING CURRENT (A)		-	3.9	4.9	7.6	8.0	9.8
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	-	3.9 / 3.2 [8.4]	4.7 / 4.9 [8.5]	7.6 / 7.4 [12.3]	8.0 / 7.9 [14.5]	9.8 / 9.3 [16.6]
FUSE RATING (BS88) - HRC (A)		-	10	10	16	20	20
MAINS CABLE No. CORES		-	3	3	3	3	3
MAX PIPE LENGTH (m)		-	20	20	30	30	30
MAX HEIGHT DIFFERENCE (m)		-	12	12	15	15	15
CHARGE R410A (kg)		-	0.7 (7m)	0.8 (7m)	1.55 (7m)	1.55 (10m)	1.90 (10m)

MSZ-SF20VA only available with MXZ Multi-Split outdoor units

Accessories

Wall Mounted Units

MAC-2310FT
Anti-Allergy filters for MSZ-GF60/71VE (10 pack)

MAC-2320FT
Enzyme filters for MSZ-SF25-50VE2 (10 pack)

Outdoor Units

MAC-889SG
Air outlet guides for MUZ-SF25-35VE

MAC-886SG
Air outlet guides for MUZ-SF50VE, MUZ-GF60/71VE

System Control Units

PAC-YT52CRA
Simplified wired remote controller

PAR-31MAA
Wired remote controller

MAC-333IF
Interface for group control, run fault and connection to M-NET System

MAC-397IF
Interface for Contact Terminal and PAR-31MAA / PAC-YT52CRA Wired Remote Controller

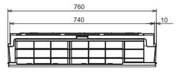
MAC-557IF
Interface for connection to WiFi MELCloud service

IO INTERFACE
Input / output interface

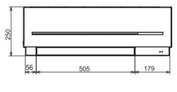
MELCOBEMS MINI
Modbus / BACnet Interface

Product Dimensions MSZ-SF20VA

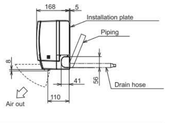
Upper View



Front View



Side View

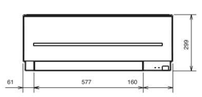


Product Dimensions MSZ-SF25/35/50VE2

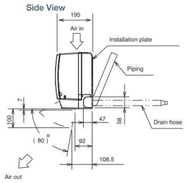
Upper View



Front View

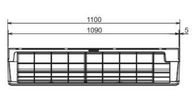


Side View

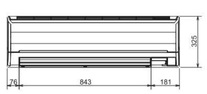


Product Dimensions MSZ-GF60/71VE

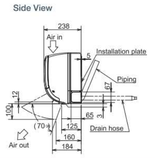
Upper View



Front View



Side View



PLA-ZRP Power Inverter Heat Pump (Single Phase)

4-Way Blow Ceiling Cassette System

Our wide range of Power Inverters offer customers high seasonal efficiency, advanced control options and quiet operation, whilst providing greater flexibility and ease of installation.

Key Features

- Airflow controllable for ceiling heights up to 4.2m, with automatic adjustment of fan speed
- Reduced draft air distribution, with independent vane control
- Filter lowering operation down to 4m (optional PLP-6BAJ grille required)
- Optional 'i-see sensor' for energy saving and smooth temperature control throughout the room









PLA-ZRP - INDOOR UNITS		PLA-ZRP35BA	PLA-ZRP50BA	PLA-ZRP60BA	PLA-ZRP71BA	PLA-ZRP100BA	PLA-ZRP125BA	PLA-ZRP140BA
CAPACITY (kW)	Heating (nominal)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
	Cooling (nominal)	3.6 (1.6-4.5)	5.0 (2.3-5.6)	6.1 (2.7-6.5)	7.1 (3.3-8.1)	9.5 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
	Heating (UK)	3.5 (1.35-4.4)	5.1 (2.15-6.2)	6.0 (2.38-6.97)	6.8 (3.0-8.65)	9.5 (3.85-11.9)	11.9 (4.25-13.6)	13.6 (4.85-15.3)
	Cooling (UK)	3.3 (1.45-4.15)	4.6 (2.1-5.15)	5.6 (2.48-5.98)	6.55 (3.05-7.45)	9.2 (4.5-10.5)	11.5 (5.05-12.9)	12.9 (5.7-14.1)
SHF (nominal & UK)		0.96	0.84	0.77	0.85	0.74	0.74	0.72
COP / EER (nominal)		4.77 / 4.56	3.82 / 3.50	3.43 / 3.43	4.02 / 4.01	4.31 / 4.40	3.81 / 3.23	3.40 / 3.07
SCOP / SEER (BS EN14825)		4.6 / 6.8	4.6 / 6.4	4.2 / 6.1	4.5 / 6.7	4.8 / 6.9	4.7 / 6.4	4.5 / 6.1
SP ENERGY EFFICIENCY CLASS	Heating/Cooling	A++ / A++	A++ / A+	A++ / A+	A++ / A++	A++ / A++	N/A	N/A
AIRFLOW (l/s)	Lo-Mi-Mi2-Hi	183-217-250-267	200-233-267-300	200-233-267-300	283-317-350-383	333-383-433-500	367-417-467-517	400-433-483-533
PIPE SIZE mm (in)	Gas/Liquid	12.7 (1/2") / 6.35 (1/4")	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)	Lo-Mi-Mi2-Hi	27-28-29-31	28-29-31-32	28-29-31-32	29-30-32-34	32-34-37-40	34-36-39-41	36-39-42-44
SOUND POWER LEVEL (dBA)		54	55	55	58	65	66	70
DIMENSIONS (mm)	Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 258 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)	840 (950) x 840 (950) x 298 (35)
WEIGHT (kg)	Unit / Panel	23 / 6	23 / 6	23 / 6	25 / 6	26 / 6	27 / 6	27 / 6
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA	PLP-6BA
WIRED REMOTE CONTROLLER REFERENCE		PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA	PAR-31MAA

PUHZ-ZRP - OUTDOOR UNITS		PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA2	PUHZ-ZRP125VKA2	PUHZ-ZRP140VKA2
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	46 / 44	46 / 44	48 / 47	48 / 47	51 / 49	52 / 50	52 / 50
SOUND POWER LEVEL (dBA)	Cooling	65	65	67	67	69	70	70
WEIGHT (kg)		43	46	67	67	116	116	118
DIMENSIONS (mm)	Width x Depth x Height	809 x 300 + 23 x 630	809 x 300 + 23 x 630	950 x 330 + 30 x 943	950 x 330 + 30 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	0.96 / 0.79	1.57 / 1.43	2.04 / 1.90	1.99 / 1.77	2.60 / 2.61	3.67 / 3.87	4.70 / 4.37
	Heating/Cooling (UK)	0.77 / 0.67	1.40 / 1.22	1.71 / 1.51	1.77 / 1.50	2.09 / 2.24	3.27 / 3.29	4.18 / 3.71
STARTING CURRENT (A)		4.6	5.0	5.0	6.0	12.0	12.0	12.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	4.17 / 3.82 [13.3]	7.13 / 6.49 [13.3]	9.14 / 7.98 [19.3]	8.80 / 7.81 [19.5]	11.92 / 11.93 [27.2]	16.37 / 17.30 [27.3]	21.14 / 19.75 [29.1]
FUSE RATING (BS88) - HRC (A)		16	16	25	25	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		50	50	50	50	75	75	75
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE R410A (kg) - 30m		2.2	2.4	3.5	3.5	5.0	5.0	5.0

Note: Indoor price includes separate PLP-6BA grille and PAR-31MAA wired remote controller.

Accessories

Indoor Units

PLP-6BA
Grille for PLA-ZRP35-140BA

PLP-6BALM
Grille and infra-red controller PLA-ZRP35-140BA

PLP-6BAJ
Grille with filter lowering function PLA-ZRP35-140BA

PAC-SH53TM
Multi function casement PLA-ZRP35-140BA

PAC-SA1ME
Corner panel 'i-see sensor' PLA-ZRP35-140BA

Outdoor Units

PAC-SJ07SG
Air outlet guide for PUHZ-ZRP35-50VKA

PAC-SG59SG
Air outlet guide for PUHZ-ZRP60-71VHA

PAC-SH96SG
Air outlet guide for PUHZ-ZRP100-140VKA

System Control Units

PAC-SA89TA
Remote on/off adaptor

PAC-SA88HA
Run/fault adaptor

PAC-SE41TS
Remote sensor

PAC-YT52CRA
Simplified wired remote controller

PAR-31MAA
Wired remote controller

MAC-557IF
Interface for connection to WiFi MELCloud service

IO INTERFACE
Input / output interface

MELCOBEMS MINI
Modbus / BACnet Interface

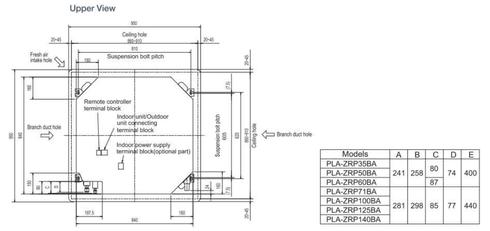
PAC-SJ19MA
A/M-NET adaptor for size 35 and 50

PAC-SF83MA
A/M-NET adaptor for size 60 to 140

Note: Additional accessories are available, please see the Optional Extras page at the end of this section for the full range.

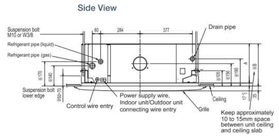
Product Dimensions PLA-ZRP35/50/60/71/100/125/140BA

Upper View

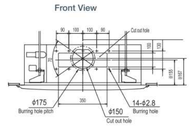


Models	A	B	C	D	E
PLA-ZRP35BA	241	258	80	74	400
PLA-ZRP50BA			87		
PLA-ZRP60BA					
PLA-ZRP71BA	281	298	85	77	440
PLA-ZRP100BA					
PLA-ZRP125BA					
PLA-ZRP140BA					

Side View



Front View



REV	ISSUE D BY	DATE	DESCRIPTION

REVISION LOG

JDDK Architects
Millmount Ponteland Road
Newcastle upon Tyne
NE5 3AL
t. 0191 286 0811
f. 0191 286 3870
e. millmount@jddk.co.uk
jddk.co.uk
DISCOVER DESIGN DELIVER

CLIENT
Vets 4 Pets

PROJECT TITLE
3801 Vets 4 Pets Barnsley

TITLE
External HVAC Data Sheets

MAIN CONTRACTOR

QUANTITY SURVEYOR | **M&E CONSULTANT**

STRUCTURAL CONSULTANT | **OTHER CONSULTANT**

DRAWING No. 3801-JDDK-SH-A-7002 | **REV**

JDDK INTERNAL REF: 3801 | **JDDK REF NO:** 70.02
SCALE: @ A1 | **ISSUE DATE:** 03/08/2020
DRAWN BY: OH | **CHECKED BY:**
STATUS: | **PURPOSE OF ISSUE:** PLANNING