



High precision air conditioners are ideal for applications where high sensible cooling and close control of temperature and humidity are required.

s-MEXT takes advantage of more than 50 years experience of the RC brand within the IT Cooling market, coupled with Mitsubishi Electric renowned quality standards. The split cooling package consists of the indoor s-MEXT high precision air conditioner connected to a Mr Slim Power Inverter outdoor unit. The result is a full inverter split system, designed according to the best quality standards and dedicated to the most reliable IT environments.

Key Features

- High Efficiency - full Mitsubishi Electric inverter technology and EC plug fans
- Small footprint
- Pipe runs up to 100m
- Trusted Mr Slim Power Inverter technology
- Available in Upflow [over] and Downflow [under] variants





CRAC UNITS (Computer Room Air Conditioning)		s-MEXT DX 006 S F1	s-MEXT DX 009 S F1	s-MEXT DX 013 S F1	s-MEXT DX 022 S F2	s-MEXT DX 038 D F3	s-MEXT DX 044 D F3
COOLING CAPACITY (kW)	Total	6.79	10.1	11.9	22.5	38.8	42.4
	Sensible	6.28	9	10.3	19.5	34	37.5
SHR *1		0.92	0.89	0.87	0.87	0.88	0.88
SYSTEM EER	Nominal (27°C - 47% RH)	3.92	3.98	2.97	2.87	3.15	2.59
EC SUPPLY FAN (no.)		1	1	1	2	1	1
AIRFLOW (m³/h)		2,000	2,500	2,800	5,000	8,800	10,000
NOMINAL EXTERNAL STATIC PRESSURE (Pa)		20	20	20	20	20	20
MAX EXTERNAL STATIC PRESSURE (Pa)		200	25	45	25	125	25
POWER INPUT (kW) *2		0.21	0.37	0.52	0.74	1.43	2.1
ABSORBED CURRENT (A)		0.93	1.64	3.23	3.28	2.2	3.22
STARTING CURRENT (A)		0.5	0.5	0.5	0.5	0.5	0.5
PLATE CURRENT (A)		2.3	2.3	3.15	4.6	4.2	4.2
ELECTRICAL PANEL	Power Input (kW)	0.14	0.14	0.14	0.14	0.14	0.14
SOUND LEVEL [ISO 3744] (dB(A)) *3	Pressure Level	53	57	61	60	63	67
	Power Level	69	73	77	76	79	83
AIR FILTERS (no.)		1	1	1	2	4	4
	Extended filtering surface (m²)	0.68	0.68	0.68	1.05	1.76	1.76
	Efficiency [ISO EN 16890] (COARSE)	60%	60%	60%	60%	60%	60%
REFRIGERANT CIRCUITS (no.)		1	1	1	1	2	2
POWER SUPPLY (V / Ph / Hz)		230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	400 / 3 / 50+N	400 / 3 / 50+N
DIMENSIONS (mm)	Width	600	600	600	1,000	1,000	1,000
	Depth	500	500	500	500	890	890
	Height	1,980	1,980	1,980	1,980	1,980	1,980
NET WEIGHT (kg)	Upflow	103	115	115	185	297	297
	Downflow	103	115	115	185	297	297
CONNECTIONS	Refrigerant pipes diameter - Gas (Ø Inch)	5/8"	5/8"	5/8"	1"	1"	1"
	Refrigerant pipes diameter - Liquid (Ø Inch)	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"
	Condensate (Ømm) *4	19	19	19	19	19	19
	Power Supply wiring Cable (no. x mm²) *5	3G1.5	3G1.5	3G1.5	3G1.5	4G1.5	4G1.5

OUTDOOR UNITS		PUHZ-ZRP60VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP125YKA3	PUHZ-ZRP250YKA3	2 x PUHZ-ZRP200YKA3	2 x PUHZ-ZRP250YKA3
SOUND PRESSURE LEVEL (dB(A))	Cooling	47	49	50	59	59	59
WEIGHT (kg)		70	116	125	135	135	135
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 x 943	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		Single	Single	Three	Three	Three	Three
OUTDOOR POWER INPUT (kW)	Cooling (nominal)	1.53	2.17	3.49	7.11	5.44	7.11
STARTING CURRENT (A)		5	12	4	5	5	5
MAX RUNNING CURRENT (A)	Cooling	19	26.5	9.45	21	19	21
FUSE RATING (BS88) - HRC (A)		25	32	16	32	32	32
MAINS CABLE	No. CORES	3	3	5	5	5	5
MAX PIPE LENGTH (m)		40	75	75	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg)	R410A - 30m	3.5	5	5	7.7	7.1	7.7
MAX ADDITIONAL REFRIGERANT (kg) *6	R410A	1.2	2.4	2.4	4.80 (75m)	3.60 (75m)	4.80 (75m)
GUARANTEED OPERATING RANGE (°C)	Max Temp	46	46	46	46	46	46
	Min Temp *7	-15	-15	-15	-15	-15	-15

Notes. The cooling capacity does not consider the supply fan motor thermal load.

*1 SHR = Sensible cooling capacity / Total cooling capacity. *2 Corresponding to the nominal ESP=20Pa. *3 Sound pressure level on air return at 1m. *4 Rubber pipe - referred to internal diameter. *5 Minimum section.

*6 For 75 to 100m please consult the service handbook. *7 Optional air protection guide is required for temperatures below -5°C. These units contain <HFC R410A [GWP100 2088]> fluorinated greenhouse gas.



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows: R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).



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