I.T. Cooling | Product Information

MITSUBISHI ELECTRIC

s-MEXT-G00 DX

R410A Close Control System

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 I.T. 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 R410A 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 I.T. environments.

Key Features & Benefits:

- 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

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CRAC UNITS (Computer Room Air Conditioning)		s-MEXT-G00 DX006 S F1	s-MEXT-G00 DX009 S F1	s-MEXT-G00 DX013 S F1	s-MEXT-G00 DX022 S F2	s-MEXT-G00 DX038 D F3	s-MEXT-G00 DX044 D F3
COOLING CAPACITY (kW)*1	Total	6.79	10.1	11.9	22.5	38.8	42.4
	Sensible	6.28	9.0	10.3	19.5	34.0	37.5
SHR*2		0.92	0.89	0.87	0.87	0.88	0.88
SYSTEM EER		3.90	4.01	3.01	2.88	3.15	2.62
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)		208	22	110	21	129	20
POWER INPUT (kW)*3		0.21	0.35	0.47	0.7	1.43	1.96
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
REFRIGERANT CIRCUITS (no.)		1	1	1	1	2	2
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%
SOUND LEVEL [ISO 3744] (dB(A))*4	Pressure Level	53	57	61	60	63	67
	Power Level	69	73	77	76	79	83
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
ABSORBED CURRENT (A)*3		1.5	2.1	2.7	3.0	2.1	2.8
STARTING CURRENT (A)		2.0	2.0	2.8	3.3	3.8	3.8
MAX ABSORBED CURRENT (A)		2.3	2.3	2.8	3.9	3.8	3.8
ELECTRICAL PANEL	Power Input (kW)	0.14	0.14	0.14	0.14	0.14	0.14
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	106	110	165	237	237
	Downflow	110	115	120	175	247	247
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)*5	19	19	19	19	19	19
	Power Supply wiring Cable (no. x mm²)*6	3G1.5	3G1.5	3G1.5	3G1.5	5G1.5	5G1.5

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 + 30 x 943	1050 x 330 + 40 x 1338	1050 x 330 + 40 x 1338	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	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)		50	75	75	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO_2 EQUIVALENT (t)	R410A (GWP 2088) - 30m	3.50 / 7.31	5.00 / 10.44	5.00 / 10.44	7.70 / 16.08	7.10 / 14.82	7.70 / 16.08
MAX ADDITIONAL REFRIGERANT (kg) / CO_2 EQUIVALENT (t)	R410A (GWP 2088)	1.20 / 2.51	2.40 / 5.01	2.40 / 5.01	4.80 / 10.02 (75m)*7	3.60 / 7.52 (75m)*7	4.80 / 10.02 (75m)*7
GUARANTEED OPERATING RANGE (°C)	Max Temp	46	46	46	46	46	46
	Min Temp*8	-15	-15	-15	-15	-15	-15

Notes: The cooling capacity does not consider the supply fan motor thermal load. *1 Gross value based on return air of 27ºC - 47%RH; Ambient Temperature 35ºC; ESP=20PA; Interconnecting pipework length 5m.
*2 SHR = Sensible cooling capacity / Total cooling capacity. *3 Corresponding to the nominal ESP=20Pa. *4 Sound pressure level on air return at 1m. *5 Rubber pipe - referred to internal diameter. *6 Minimum section.
*7 For 75 to 100m please consult the service handbook. *8 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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Changes for the Better

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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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Green Gateway greengateway.mitsubishielectric.co.uk