

s-MEXT-G00 DX

R32 Close Control System

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

The **s-MEXT** range operates as part of a split cooling package, consisting of the indoor s-MEXT high precision air conditioner, connected to a Mr Slim R32 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 achieved through Mr Slim Power Inverter technology and EC plug fans
- Small, space-saving footprint
- Pipe runs up to 100m for design flexibility
- Available in Upflow (Over) and Downflow (Under) variants, for a wider range of applications





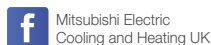
CRAC UNITS (Computer Room Air Conditioning)			s-MEXT-G00-DX-F1-006-S	s-MEXT-G00-DX-F1-009-S	s-MEXT-G00-DX-F1-013-S	s-MEXT-G00-DX-F2-022-S	s-MEXT-G00-DX-F3-028-S	s-MEXT-G00-DX-F3-038-D	s-MEXT-G00-DX-F3-044-D	
PERFORMANCE										
COOLING CAPACITY ¹	Total	kW	6.81	10.1	11.9	22.5	27.4	38.9	42.3	
	Sensible	kW	6.08	8.88	10.2	19.3	25.4	33.6	35.2	
SHR ²			0.89	0.88	0.86	0.86	0.93	0.86	0.83	
EER			4.67	4.3	3.49	3.16	2.61	3.56	2.866	
REFRIGERANT										
REFRIGERANT	Type		R32	R32	R32	R32	R32	R32	R32	
REFRIGERANT CIRCUITS	No.		1	1	1	1	1	2	2	
CONNECTIONS										
REFRIGERANT PIPES DIAMETER - GAS	Ø Inch		5/8"	5/8"	5/8"	1"	1"	1"	1"	
REFRIGERANT PIPES DIAMETER - LIQUID	Ø Inch		3/8"	3/8"	3/8"	1/2"	1/2"	3/8"	1/2"	
CONDENSATE ⁵	Ø mm		19	19	19	19	19	19	19	
POWER SUPPLY WIRING CABLE ⁶	No. x mm ²		3G1.5	3G1.5	3G1.5	3G1.5	5G1.5	5G1.5	5G1.5	
FANS										
FAN TYPE			EC BASIC	EC BASIC	EC BASIC	EC BASIC	EC BASIC	EC BASIC	EC BASIC	
EC SUPPLY FAN	No.		1	1	1	2	1	1	1	
AIRFLOW	m ³ /h		2000	2500	2800	5000	7600	8800	10000	
NOMINAL EXTERNAL STATIC PRESSURE	Pa		20	20	20	20	20	20	20	
POWER INPUT ³	kW		0.21	0.35	0.47	0.7	0.64	1.43	1.96	
ELECTRICAL HEATER										
QUANTITY	No.		1	1	1	1	1	1	1	
STEPS	No.		2	2	2	3	3	3	3	
ELECTRICAL POWER ABS.	kW		2.6	2.6	2.6	3.9	9	9	9	
MAX ABSORBED CURRENT	A		11.3	11.3	11.3	17	13	13	13	
POWER SUPPLY	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	
HUMIDIFIER										
QUANTITY	No.		1	1	1	1	1	1	1	
CAPACITY	kg/h		3	3	3	3	8	8	8	
ELECTRICAL POWER ABS.	kW		2.3	2.3	2.3	2.3	6	6	6	
MAX ABSORBED CURRENT	A		14.1	14.1	14.1	14.1	12.4	12.4	12.4	
POWER SUPPLY	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	
SOUND LEVEL [ISO 3744]⁴										
PRESSURE LEVEL	dB(A)		53	57	61	60	60	63	67	
POWER LEVEL	dB(A)		69	73	77	76	76	79	83	
ELECTRICAL DATA										
POWER SUPPLY	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	
STARTING CURRENT	A		2	2	2	3.3	3.4	3.8	3.8	
MAX ABSORBED CURRENT	A		27.7	27.7	28.2	35	28.8	29.2	29.2	
DIMENSIONS AND WEIGHT										
DIMENSIONS	Width	mm	600	600	600	1000	1000	1000	1000	
	Depth	mm	500	500	500	500	890	890	890	
	Height	mm	1980	1980	1980	1980	1980	1980	1980	
NET WEIGHT	Upflow (O)	kg	107	110	114	169	247	247	247	
	Downflow (L)	kg	114	119	124	179	282	257	257	

OUTDOOR UNITS		PUZ-ZM60VHA2	PUZ-ZM100VKA2	PUZ-ZM125YKA2	PUZ-ZM250YKA2	PUZ-ZM250YKA2	2 x PUZ-ZM200YKA2	2 x PUZ-ZM250YKA2
SOUND PRESSURE LEVEL (dB(A))	Cooling	47	49	50	59	59	59	59
WEIGHT (kg)		70	116	125	138	138	137	138
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 + 25 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	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	380-415v, 50Hz
PHASE		Single	Single	Three	Three	Three	Three	Three
OUTDOOR POWER INPUT (kW)	Cooling (nominal)	1.25	2.00	2.94	6.41	6.41	4.73	6.41
STARTING CURRENT (A)		6.0	13.0	6.0	12.3	12.3	8.67	12.3
MAX RUNNING CURRENT (A)	Cooling	19.2	27.0	10.0	22.5	22.5	22.5	22.5
FUSE RATING (BS88) - HRC (A)		25	32	16	32	32	32	32
MAINS CABLE	No. Cores	3	3	5	5	5	5	5
MAX PIPE LENGTH (m)		55	100	100	100	100	100	100
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675)	2.80 / 1.89 (30m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	6.80 / 4.59 (30m)	6.80 / 4.59 (30m)	6.30 / 4.25 (30m)	6.80 / 4.59 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t)	R32 (GWP 675)	0.80 / 0.54	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62 (70m) ⁷	2.40 / 1.62 (70m) ⁷	1.60 / 1.08 (70m) ⁷	2.40 / 1.62 (70m) ⁷
GUARANTEED OPERATING RANGE (°C)	Max Temp	46	46	46	46	46	46	46
	Min Temp ⁸	-15	-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 27°C - 47%RH; Ambient Temperature 35°C; 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 70 to 100m please consult the service handbook. ⁸ Optional air protection guide is required for temperatures below -5°C. These units contain <HFC R32 (GWP100 675)> fluorinated greenhouse gas.



Telephone: 01707 282880
email: air.conditioning@meuk.mee.com
les.mitsubishielectric.co.uk



UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2022. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

Effective as of April 2022

