



Model			MDOU-12HN1	MDOU-18HN1
Power supply		V- Ph-Hz	220~240-1-50	220~240-1-50
Max. input consumption		W	1740	2950
Max. input current		A	8,5	15,0
Compressor	Model		PA140G1C-4FT1	PA225X2CS-4KU1
	Type		Rotary	Rotary
	Brand		Midea-Toshiba	Midea-Toshiba
	Capacity	Btu/h	11601	18493
	Input	W	1155	1855
	Rated current (RLA)	A	5,37	8,7
	Locked rotor Amp(LRA)	A	26,7	36,8
	Thermal protector position		Internal	Internal
	Capacitor	uF	35UF/440-450V	50UF/440V-450V
Refrigerant oil	ml	400	750	
Outdoor fan motor	Model		YDK24-6F(B)	YDK48-6H(A)
	Qty		1	1
	Input	W	63	110
	Capacitor	uF	2.5UF/450V	3uF/450V
Speed	r/min	800	890	
Outdoor coil	Number of rows		1	2
	Tube pitch(a) × row pitch(b)	mm	22×19.05	21×13.37
	Fin spacing	mm	1,4	1,4
	Fin type		Hydrophilic aluminum	Hydrophilic aluminium
	Tube outside dia. and type	mm	φ7.94,inner grooved tube	φ7, inner grooved tube
	Coil length×height×width	mm	737×506×19.05	658×546×26.74
	Number of circuits		2	2
Outdoor air flow	m ³ /h	2100	2439	
Outdoor noise level	dB(A)	43	54	
Throttle type		Capillary	/	
Outdoor unit	Dimension (W×D×H)	mm	780×250×547	761×279×593
	Packing (W×D×H)	mm	910×335×575	887×355×645
	Net/ Gross weight	kg	30/32	39/42
Refrigerant type/Quantity	Type		R410A	R410
	Charged volume	kg	0,96	1,4
Refrigerant piping	Liquid side/ Gas side	mm	φ6.4/φ12.7	φ6.4/φ12.7
	Max. pipe length	m	15	25
	Max. difference in level	m	8	15
Ambient temp (Cooling/Heating)	°C	21~43/-5~24	21~43/-5~24	

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2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Model			MDOU-24HN1	MDOU-36HN1
Power supply		V- Ph-Hz	220~240-1-50	380~420-3-50
Max. input consumption		W	3450	4950
Max. input current		A	18	10,0
Compressor	Model		PA290G2CS-4MU1	C-SBN303H8D
	Type		Rotary	Scroll
	Brand		GMCC	Sanyo
	Capacity	Btu/h	24771	33438
	Input	W	2430	3650
	Rated current (RLA)	A	11,65	6,58
	Locked rotor Amp(LRA)	A	66	48
	Thermal protector position		Internal	Internal
	Capacitor	uF	50UF/440V-450V	—
Refrigerant oil	ml	850	1700	
Outdoor fan motor	Model		YDK100-6D	YDK190-6D(B)
	Qty		1	1
	Input	W	167	290
	Capacitor	uF	5UF/450V	10uF/450V
Speed	r/min	900	830	
Outdoor coil	Number of rows		2	2
	Tube pitch(a) × row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1,4	1.4
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia. and type	mm	Φ7,inner grooved tube	φ7,inner grooved tube
	Coil length×height×width	mm	785x651x26.74	890x903x26.74
Number of circuits		4	7	
Outdoor air flow		m ³ /h	3200	5000
Outdoor noise level		dB(A)	59	57
Throttle type			Capillary	Capillary
Outdoor unit	Dimension (W×D×H)	mm	842x324x695	990x354x966
	Packing (W×D×H)	mm	965x395x755	1120x435x1100
	Net/ Gross weight	kg	48/54.5	92/96
Refrigerant type/Quantity	Type		R410A	R410A
	Charged volume	kg	1.8	2,9
Refrigerant piping	Liquid side/ Gas side	mm	Φ9.52/Φ15.9(3/8"/5/8")	φ12.7/φ19
	Max. pipe length	m	25	30
	Max. difference in level	m	15	20
Ambient temp (Cooling/Heating)		°C	18~43/-7~24	21~43/-5~24

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Model			MDOU-48HN1	MDOU-60HN1
Power supply		V- Ph-Hz	380~415-3-50	380~415-3-50
Max. input consumption		W	6300	7500
Max. input current		A	10,5	12,6
Compressor	Model		C-SBN373H8D	C-SBN453H8D
	Type		Scroll	Scroll
	Brand		Sanyo	Sanyo
	Capacity	Btu/h	48109	55956,8
	Input	W	4750	5750
	Rated current (RLA)	A	8,22	9,77
	Locked rotor Amp(LRA)	A	66	67
	Thermal protector position		Internal	Internal
	Capacitor	uF	-	/
Refrigerant oil	ml	1700	1700	
Outdoor fan motor	Model		YDK65-6/YDK65-6F	YDK65-6/YDK65-6F
	Qty		2	2
	Input	W	148+156	148+140
	Capacitor	uF	(3.5UF/450V)×2	(3.5UF/450V)×2
Speed	r/min	800	800	
Outdoor coil	Number of rows		2	2
	Tube pitch(a) × row pitch(b)	mm	21×13.37	22×19.05
	Fin spacing	mm	1,4	1,6
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia. and type	mm	φ7 inner grooved tube	φ7.94,inner grooved tube
	Coil length×height×width	mm	840×1113×26.74	837×1100×38.1
	Number of circuits		4	8
Outdoor air flow	m ³ /h	6800	6850	
Outdoor noise level	dB(A)	59	59,3	
Throttle type		Capillary	Capillary	
Outdoor unit	Dimension (W×D×H)	mm	900×340×1167	900×340×1167
	Packing (W×D×H)	mm	1032×443×1307	1032×443×1307
	Net/ Gross weight	kg	102/106	106/111
Refrigerant type/Quantity	Type		R410A	R410A
	Charged volume	kg	3,25	3,2
Refrigerant piping	Liquid side/ Gas side	mm	φ12.7/φ19	φ12.7/φ19
	Max. pipe length	m	50	50
	Max. difference in level	m	25	25
Ambient temp (Cooling/Heating)	°C	21~43/-5~24	21~43/-5~24	

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