

N COIL TECH GUIDE

Add-On Multi-Position Coils



Cased Type



DESCRIPTION

These cooling and heat pump coils are designed to be installed with gas furnaces, Midea split-system air conditioners, and heat pumps. These coils are factoryinstalled with a fixed-orifice metering device; TXV valves can be added in the field for R410A.

FEATURES

- Coils are designed for use with R410A and R22 refrigerants.
- All coils are factory leak-tested and are shipped with a nitrogen holding charge to ensure reliability.
- · Coils are multi-position: designed to be used in upflow, horizontal or downflow applications.
- Constructed of blue, enhanced aluminum fins bonded to internally-grooved copper tubing. Blue aluminum allows for ease of water flow and defrosting.
- · Evaporator coil cabinets are thermally insulated with foil-faced Insulation to prevent sweating.
- Condensation drain pan is constructed of high-grade, heat-resistant, corrosion-free thermal-set material.
- Cased/Uncased Coils are designed for use with popular brand gas furnaces, Midea split system air conditioners and heat pumps.
- ARI Certified & ETL Listed.

Due to continuous product improvement, specifications are subject to change without notice. Visit us at www.midea.com or www.mideaaircon.com

WARRANTY

Standard 5-Year limited parts



MIDEA ADD ON COIL NOMENCLATURE



PHYSICAL DATA

Model	Application	Face Area (Sq.Ft.)	Tube Rows	Fins Per Inch	Coil Configuration	Weight Net /Gross (Ibs)	Coil Slab Size (W×H)	Tube Geometry	Tube Dia.	Fin Type	тхv
MCPM1818ANOB	A/C & HP	3.26	2	16	A	42/45	14×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM1818BNOB	A/C & HP	3.26	2	16	В	47/50	14×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM1824ANOB	A/C & HP	3.73	2	16	A	44/47	16×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM1824BNOB	A/C&HP	3.73	2	16	В	49/52	16×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM2430ANOB	A/C & HP	3.73	2	16	A	44/47	16×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM2430BNOB	A/C & HP	3.73	2	16	В	49/53	16×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3036ANOB	A/C & HP	5.12	2	16	A	57/61	22×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3036BNOB	A/C & HP	5.12	2	16	В	60/64	22×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3036CNOB	A/C & HP	5.12	2	16	С	64/68	22×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3642BNOB	A/C & HP	6.06	2	16	В	70/75	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3642CNOB	A/C & HP	6.06	2	16	С	72/77	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM3642DNOB	A/C & HP	6.06	2	16	D	75/80	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM4248BNOB	A/C & HP	6.06	3	16	В	78/83	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM4248CNOB	A/C & HP	6.06	3	16	С	83/88	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM4248DNOB	A/C & HP	6.06	3	16	D	87/92	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM4860CNOB	A/C & HP	6.06	3	16	С	83/88	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None
MCPM4860DNOB	A/C & HP	6.06	3	16	D	87/92	26×16.5	1×0.866	3/8	Hydrophilic Aluminium	None



DIMENSIONS

Fig.1 CASED DIMENSIONS AND COMPONENT LOCATION

Dimensions -Cased Type

Medel	ц	\A/	٨	10/4	Refrigeran	t Line Size	Weight
wodei			VV I	Liquid Vapor		Net/Gross (lbs.)	
MCPM1818ANOB	20	14.5	14	13.5	3/8	3/4	42/45
MCPM1818BNOB	20	17.5	16	16.5	3/8	3/4	47/50
MCPM1824ANOB	20	14.5	13	13.5	3/8	3/4	44/47
MCPM1824BNOB	20	17.5	16	16.5	3/8	3/4	49/52
MCPM2430ANOB	20	14.5	13	13.5	3/8	3/4	44/47
MCPM2430BNOB	20	17.5	16	16.5	3/8	3/4	49/53
MCPM3036ANOB	26	14.5	13	13.5	3/8	3/4	57/61
MCPM3036BNOB	26	17.5	16	16.5	3/8	3/4	60/64
MCPM3036CNOB	26	21	19.5	20	3/8	3/4	64/68
MCPM3642BNOB	30	17.5	16	16.5	3/8	3/4	70/75
MCPM3642CNOB	30	21	19.5	20	3/8	3/4	72/77
MCPM3642DNOB	30	24.5	23	23.5	3/8	3/4	75/80
MCPM4248BNOB	30	17.5	16	16.5	3/8	7/8	78/83
MCPM4248CNOB	30	21	19.5	20	3/8	7/8	83/88
MCPM4248DNOB	30	24.5	23	23.5	3/8	7/8	87/92
MCPM4860CNOB	30	21	19.5	20	3/8	7/8	83/88
MCPM4860DNOB	30	24.5	23	23.5	3/8	7/8	87/92



Fig.2 UNCASED DIMENSIONS AND COMPONENT LOCATION

Dimensions -Uncased Type

Madal	Model H W	\A/		Refrigeran	t Line Size	Weight	
Model		U	Liquid	Vapor	Net/Gross (lbs.)		
MCUV1818ANOB	16-1/4	13-3/8	20-1/2	3/8	3/4	20/23	
MCUV1818BNOB	16-3/4	16-3/8	20-1/2	3/8	3/4	25/28	
MCUV1824ANOB	16-1/4	13-3/8	20-1/2	3/8	3/4	23/26	
MCUV1824BNOB	16-3/4	16-3/8	20-1/2	3/8	3/4	26/30	
MCUV2430ANOB	16-1/4	13-3/8	20-1/2	3/8	3/4	23/26	
MCUV2430BNOB	16-3/4	16-3/8	20-1/2	3/8	3/4	26/30	
MCUV3036ANOB	22-3/4	13-3/8	20-1/2	3/8	3/4	30/34	
MCUV3036BNOB	22-5/8	16-3/8	20-1/2	3/8	3/4	31/36	
MCUV3036CNOB	22-1/2	19-7/8	20-1/2	3/8	3/4	32/37	
MCUV3642BNOB	26-11/16	16-3/8	20-1/2	3/8	3/4	35/40	
MCUV3642CNOB	26-9/16	19-7/8	20-1/2	3/8	3/4	37/42	
MCUV3642DNOB	26-1/8	23-3/8	20-1/2	3/8	3/4	39/44	
MCUV4248BNOB	26-7/8	16-3/8	20-1/2	3/8	7/8	46/51	
MCUV4248CNOB	26-3/4	19-7/8	20-1/2	3/8	7/8	48/53	
MCUV4248DNOB	28	23-3/8	20-1/2	3/8	7/8	50/55	
MCUV4860CNOB	26-3/4	19-7/8	20-1/2	3/8	7/8	48/53	
MCUV4860DNOB	28	23-3/8	20-1/2	3/8	7/8	50/55	

Piston Size p	re-installation	in factory	
			-

Model	Piston Size
MCPM(UV)1818ANOB	0.05
MCPM(UV)1818BNOB	0.05
MCPM(UV)1824ANOB	0.053
MCPM(UV)1824BNOB	0.053
MCPM(UV)2430ANOB	0.059
MCPM(UV)2430BNOB	0.059
MCPM(UV)3036ANOB	0.07
MCPM(UV)3036BNOB	0.07
MCPM(UV)3036CNOB	0.07
MCPM(UV)3642BNOB	0.072
MCPM(UV)3642CNOB	0.072
MCPM(UV)3642DNOB	0.072
MCPM(UV)4248BNOB	0.088
MCPM(UV)4248CNOB	0.088
MCPM(UV)4248DNOB	0.088
MCPM(UV)4860CNOB	0.098
MCPM(UV) 4860DNOB	0.098