

## **DUCT**FIXED SPEED







AIR FLOW







ANTI-COLD REMOTE ON/OFF ESP AIR FUNCTION DRY CONTACT 100 - 160PA

## **DUCT**FIXED SPEED

Indoor code			MDT-24FS-Q MTI-24HWN1-Q(A) 22023011004894	MDT-36FS-Q MTI-36HWNI-Q 22023011004674	MDT-36FS-R MTI-36HWN1-R 22023011003039
Outdoor model			MOU-24FS-Q	MOU-36FS-Q	MOU-36FS-R
outdoor code			MOX430U-24HN1-Q 22023016002891	MOD32U-36HNI-Q 22023016002791	MOD32U-36HN1-R 22023016002311
Power supply (Indoor	r)	V- Ph-Hz	220-240V,1Ph, 50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz
	Capacity	Btu/h	24000	36000	36000
Cooling	Input Rated current	W	2700 11.7	3900 18.0	3650 6.1
	EER	W/W	2.61	2.71	2.89
	Capacity	Btu/h	26000	39000	39000
Heating	Input	W	2230 9.7	3800 17.5	3300 5.6
	Rated current COP	W/W	3.42	3.01	3.46
	Model		YKSS-115-4-21	YKSS-115-4-21	YKSS-115-4-21
	Qty		1	1	1
ndoor fan motor	Input Capacitor	W uF	253.0 5	253.0 8	253.0 8
	Speed(Hi/Mi/Lo)	r/min	1030/800/690	1110/1000/910/780	1104/991/876/787
	a.Number of rows	.,	3	3.0	3.0
	b.Tube pitch(a)x row pitch(b)	mm	21×13.37	21x13.37	21×13.37
ndoor coil	c.Fin spacing	mm	1.4	1.4	1.4
	d.Fin type (code) e.Tube outside dia.and type	mm	Hydrophilic aluminum 47,Inner groove tube	Hydrophilic aluminum 47,Inner groove tube	Hydrophilic aluminum 47,Inner groove tube
	f.Coil length x height x width	mm	915×294×40.11	915x294x40.11	915x294x40.11
	g.Number of circuits		7	7	7
ndoor air flow (Hi/Mi/l		m3/h	1350/1150/950	1700/1280/950	1804/1372/1149
SP	Rated Range	Pa Pa	25 0-80	37 0-160	37 0-100
ndoor noise level (Hi/N		dB(A)	41/38/34.5	45/41.5/38.5	47/40.5/38
	Dimension(W*D*H)	mm	1100×774×249	1100x774x249	1100x774x249
ndoor unit	Packing (W*D*H)	mm	1305x805x315	1305x805x315	1305x805x305
	Net/Gross weight	Kg	32.6/39	33.2/40.3	32.2/39.4
Design pressure		MPa	4.2/1.5 OD: 25	4.2/1.5	4.2/1.5
Drainage water pipe di Refrigerant piping	a Liquid side/Gas side	mm mm(inch)	OD+25mm 9.52mm(3/8in)/15.9mm(5/8in)	OD¢25mm 9.52mm(3/8in)/19mm(3/4in)	OD <sub>Ф</sub> 25mm 9.52mm(3/8in)/19mm(3/4ir
Controller	and state/ Out side	(mcn)	9.52mm(3/8in)/15.9mm(5/8in) wired control	9.52mm(3/8in)/19mm(3/4in) Wire Control	9.52mm(3/8ln)/19mm(3/4ln Wire Control
Operation temperature		°C	17-30	17-30	17-30
Room temperature	Cooling	°C	17~32	17-32	17~32
	Heating	°C	0~30 K ID 1300	0~30	0~30
Option Controller			KJR-120C	KJR-120C	KJR-120C
Model			MOX430U-24HN1-Q	MOD32U-36HN1-Q	MOD32U-36HN1-R
Code			22023016002891	22023016002791	22023016002311,00
Power supply		V,Hz,Ph	220-240V,1Ph, 50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz
Max. input consumptio	n	W	3700	5200	4250
Max. input current	Madel	Α	18 KTG275V2VMD	23.0 ATO//20V/ISMT	7.0 ATO420V1TMT
	Model Type		KTG275V2VMP ROTARY	ATQ420V1SMT Rotor	ATQ420Y1TMT ROTARY
Compressor	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	8470	35604	35690
	Input	W	2015	3520	3430W35%
	Rated current(RLA)	A	9.2	16.35	6.1A35%
	Locked rotor Amp(LRA) Thermal protector position	Α	55 INTERNAL	89 Internal	36 INTERNAL
	Capacitor	μF	65.0	90,00	0.0
	Refrigerant oil	ml	VG74 750ml	VG75 1250	ESTER OIL VG74 1200CC
	Model		YKT-65-6-240L	YKS-190-6-21L	YKS-190-6-21L
	Old Model		/	YKS-190-6-21L	YKS-190-6-21L
Outdoor fan motor	Qty	14/	2 135.0	293.3	1 293.3
	Input Capacitor	W μF	5	10	10
	Speed	r/min	825	850/770	850/770
	Number of rows		1.6	2	2.0
	Tube pitch(a)* row pitch(b)	mm	21x13.37	25.4×22	25.4×22
	Fin spacing	mm	1.3 Hydrophilic aluminum	1.3 Hydrophilic aluminum	1.3 Hydrophilic aluminum
	Fin type Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ9.52,Inner groove tube	φ9.52,Inner groove tube
	Coil length * height * width	mm	900*26.74*609	995x762x44	995x762x44
	Number of circuits		5	4	4
Outdoor air flow Outdoor noise level (so		m³/h	3650 60	5000 59.6	5000 63
Throttle type	buna pressure)	dB(A)	Throttle Valve	Throttle valve	Throttle valve
THOLER LYPE	Dimension(WxDxH)	mm	890x342x673	946x410x810	946x410x810
Outdoor unit	Packing(WxDxH)	mm	995x398x740	1090x500x885	1090x500x875
	Net/Gross weight	kg	52.9/55.9	75.6/80.4	74.4/78.9
Refrigerant	Туре		R410A	2088	R410A
type/Quantity Design pressure	Charged volume	kg	2/Jan/00	0 4.8/1.5	2.85 4.2/1.5
Design pressure	Liquid side/ Gas side	MPa mm(inch)	4.2/1.5 9.52mm(3/8in)/15.9mm(5/8in)	4.8/1.5 9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4ir
Refrigerant piping	Max. pipe length	m	25	25	30
	Max. difference in level	m	15	15	20
Ambient temperature	Cooling	°C	18~43	0~60	-7∼43
temperature	Heating	°C	-7-24	-7~24	-7∼24
Model			MOX430U-24HN1-Q	MOD32U-36HN1-Q	MOD32U-36HN1-R
Code			22023016002891	22023016002791	22023016002311,00
Power supply		V,Hz,Ph	220-240V,1Ph, 50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz
Max. input consumptio	n	W	3700	5200	4250
Max. input current	Model	Α	18 KTG275V2VMP	23.0 ATQ420V1SMT	7.0 ATQ420YITMT
	Model Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	Btu/h	8470	35604	35690
Compressor	Input	W	2015	3520	3430W35% 6.1A35%
	Rated current(RLA) Locked rotor Amp(LRA)	A	9.2 55	16.35 89	6.1A35% 36
	Thermal protector position	^	INTERNAL	Internal	INTERNAL
	Capacitor	μF	65.0	90,00	0.0
	Refrigerant oil	ml	VG74 750ml	VG75 1250	ESTER OIL VG74 1200CC
	Model		YKT-65-6-240L	YKS-190-6-21L	YKS-190-6-21L
	Old Model Qtv		2	YKS-190-6-21L	YKS-190-6-21L
	W.V	W	135.0	293.3	293.3
Outdoor fan motor	Input		5	10	10
Outdoor fan motor	Input Capacitor	μF			
Outdoor fan motor	Capacitor Speed	μF r/min	825	850/770	850/770
Outdoor fan motor	Capacitor Speed Number of rows	r/min	825 1.6	850/770 2	2.0
Outdoor fan motor	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b)	r/min mm	825 1.6 21x13.37	850/770 2 25.4x22	2.0 25.4×22
	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing	r/min	825 1.6 21×13.37 1.3	850/770 2 25.4x22 1.3	2.0 25.4x22 1.3
	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b)	r/min mm	825 1.6 21x13.37	850/770 2 25.4x22	2.0 25.4×22
	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width	r/min mm mm	825 1.6 21×13.37 1.3 Hydrophilic aluminum 47,Inner groove tube 900*26.74*609	850/770 2 25.4x22 1.3 Hydrophilic aluminum Φ9.52,Inner groove tube 995x762x44	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44
Outdoor coil	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type	r/min  mm  mm  mm  mm	825 1.6 21x13.37 1.3 Hydrophilic aluminum Φ7,Inner groove tube 900*26.74*609 5	850/770 2 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44 4	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube
Outdoor coil Outdoor air flow	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits	r/min  mm  mm  mm  mm  mm	825 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum 67.Inner groove tube 900*26.74*609 5 3650	850/770 2 25.4x22 1.3 Hydrophilic aluminum 49.5.2,Inner groove tube 995x762x44 4 5000	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44 4
Outdoor coil Outdoor air flow Outdoor noise level (sc	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits	r/min  mm  mm  mm  mm	825 1.6 21x13.37 1.3 Hydrophilic aluminum e7,Inner groove tube 900*26.74*609 5 3650 60	850/770 2 25.4x22 1.3 Hydrophilic aluminum Φ9.52.Inner groove tube 995x762x44 4 5000 59.6	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4
Outdoor coil Outdoor air flow Outdoor noise level (sc	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length ' height ' width Number of circuits und pressure)	r/min mm mm mm mm mm dB(A)	825 1.6 21x13.37 1.3 Hydrophilic aluminum ø7,inner groove tube 900°26.74°609 5 3650 60 Throttle Valve	850/770 2 25.4x22 13 Hydrophilic aluminum  \$\phi\$9.52,Inner groove tube  \$95x762x44 4 5000 5.06 Throtte valve	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4 63 Throttle valve
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits und pressure) Dimension(WxDxH)	mm mm mm mm mm mm dB(A)	825 1.6 21x13.37 1.3 Hydrophilic aluminum e7,Inner groove tube 900*26.74*609 5 3650 60	850/770 2 25.4x22 1.3 Hydrophilic aluminum Φ9.52.Inner groove tube 995x762x44 4 5000 59.6	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length ' height ' width Number of circuits und pressure)	r/min mm mm mm mm mm dB(A)	8.25 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum e7.Inner groove tube 900*26.74*609 5 3650 60 Throttle Valve 890x342x673	850/770 2 25.4x22 1.3 Hydrophilic aluminum Φ9.52,Inner groove tube 995x762x44 4 5000 59.6 Throtte valve 946x40x810	2.0 25.4x22 1.3 Hydrophilic aluminum 99.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type Outdoor unit Refrigerant	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length ' height ' width Number of circuits and pressure)  Dimension(WxDxH) Packing(WxDxH) Net/Gross weight Type	r/min mm mm mm mm mm ms //h dB(A) mm mm kg	825 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum 97,Inner groove tube 900*26.74*609 5 3650 60 Throttle Valve 890x342x673 995x398x740 52.9/55.9 R410A	850/770 2 25.4x22 1.3 Hydrophilic aluminum 69.52,Inner groove tube 995x762x44 4 5000 50.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9 R4IOA
Outdoor fan motor  Outdoor coil  Outdoor noise level (so finottle type  Outdoor unit  Refrigerant type/Quantity	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits Find pressure) Dimension(WxDxH) Packing(WxDxH) Net/Gross weight	r/min mm mm mm mm mm ms <sup>3</sup> /h dB(A) mm mm kg	825 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum d7,Inner groove tube 900°26.74°609 5 3650 60 Throttle Valve 890x342x673 995x398x740 52.9/55.9 R410A 2	850/770 2 25.4x22 1.3 Hydrophilic aluminum Φ9.52,Inner groove tube 995x762x44 4 5000 59.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088 2.8	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1000x500x875 74.4/78.9 R410A 2.85
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type Outdoor unit Refrigerant	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits und pressure)  Dimension(WxDxH) Packing(WxDxH) Net/Gross weight Type Charged volume	mm mm mm mm mm mm mm dB(A) mm kg kg MPa	8,25 1.6 21x13.37 1.3 Hydrophilic aluminum e7,Inner groove tube 900*26.74*609 5 3650 60 Throttle Valve 890x308x740 52.9/55.9 R410A 2 4.2/1.5	850/770 2 25.4x.22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x.44 4 5000 50.6 Throttle valive 946x410x810 1090x500x805 75.6/80.4 2088 2.8 4.8/1.5	2.0 25.4x22 1.3 Hydrophilic aluminum e9.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9 R410A 2.85 4.2/1.5
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type Outdoor unit Refrigerant type/Quantity Design pressure	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length ' height ' width Number of circuits and pressure) Dimension(WXDXH) Packing(WXDXH) Net/Gross weight Type Charged volume Liquid side/ Gas side	r/min  mm  mm  mm  mm  ms  //h  dB(A)  mm  mm  kg  kg  MPa  mm(inch)	825 1.6 2lx13.37 1.3 Hydrophilic aluminum 97,Inner groove tube 900*26,74*609 5 3650 60 Throttle Valve 890x342x673 995x398x740 52,9/55.9 R410A 2 4.2/1.5 9.52mm(3/8in)/15.9mm(5/8in)	850/770 2 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44 4 5000 50.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088 2.8 4.8/1.5 9.52mm(3/8in)/15.9mm(5/8in	2.0 25.4x22 1.3 Hydrophilic aluminum 99.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9 R410A 2.85 4.2/1.5 9.52mm(3/8/in)/19mm(3/4ir
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type Outdoor unit Refrigerant type/Quantity Design pressure	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits und pressure)  Dimension(WxDxH) Packing(WxDxH) Net/Gross weight Type Charged volume	mm mm mm mm mm mm mm dB(A) mm kg kg MPa	8,25 1.6 21x13.37 1.3 Hydrophilic aluminum e7,Inner groove tube 900*26.74*609 5 3650 60 Throttle Valve 890x308x740 52.9/55.9 R410A 2 4.2/1.5	850/770 2 25.4x.22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x.44 4 5000 50.6 Throttle valive 946x410x810 1090x500x805 75.6/80.4 2088 2.8 4.8/1.5	2.0 25.4x22 1.3 Hydrophilic aluminum e9.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9 R410A 2.85 4.2/1.5
Outdoor coil Outdoor air flow Outdoor noise level (so Inrottle type Outdoor unit Refrigerant ype/Quantity Design pressure Refrigerant piping	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits Find type Dimension(WxDxH) Packing(WxDxH) Packing(WxDxH) Net/Gross weight Type Charged volume Liquid side/ Gas side Max. pice length Max. difference in level Cooling	r/min  mm  mm  mm  ms  h  dB(A)  mm  mm  kg  MPa  mm(inch)  m  m  m  c C	825 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum d7,Inner groove tube 900°26.74°609 5 3650 60 Throttle Valve 890x342x673 996x3908x740 52.9/55.9 R410A 2 4.2/1.5 9.52mm(3/8in)/15.9mm(5/8in) 25 15 18-43	850/770 2 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44 4 5000 5.9.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088 2.8 4.8/1.5 9.52mm(3/8in)/15.9mm(5/8in 25 15 0~60	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4 63 Throttle velve 946x410x810 1090x500x875 74.4/78.9 R410A 2.85 4.2/1.5 9.52mm(3/4in 30 20 7~43
Outdoor coil Outdoor air flow Outdoor noise level (so Throttle type Outdoor unit Refrigerant type/Quantity Design pressure	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits and pressure) Dimension(WXDXH) Packing(WXDXH) Net/Gross weight Type Charged volume Liquid side/ Gas side Max. difference in level	r/min  mm  mm  mm  mm  mm  ms  /h  dB(A)  mm  mm  kg  MPa  mm(inch)  m  m	825 1.6 21x13.37 1.3 Hydrophilic aluminum 97,Inner groove tube 900*26,74*609 5 3650 60 Throttle Valve 890x342x673 995x398x740 52,9/55.9 R410A 2 4.2/1.5 9.52mm(3/8in)/15.9mm(5/8in) 25 15	850/770 2 22 25.4x22 1.3 Hydrophilic aluminum 69.52,Inner groove tube 995x762x44 4 5000 50.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088 2,8 4,8/1,5 9.52mm(3/8in)/15.9mm(5/8in) 15	2.0 25.4x22 1.3 Hydrophilic aluminum 49.52.Inner groove tube 995x762x44 4 63 Throttle valve 946x410x810 1090x500x875 74.4/78.9 R410A 2.85 4.2/1.5 9.52mm(3/8in)/19mm(3/4in 30 20
Outdoor coil Outdoor air flow Outdoor noise level (so Inrottle type Outdoor unit Refrigerant ype/Quantity Design pressure Refrigerant piping	Capacitor Speed Number of rows Tube pitch(a)* row pitch(b) Fin spacing Fin type Tube outside dia.and type Coil length * height * width Number of circuits Find type Dimension(WxDxH) Packing(WxDxH) Packing(WxDxH) Net/Gross weight Type Charged volume Liquid side/ Gas side Max. pice length Max. difference in level Cooling	r/min  mm  mm  mm  ms  h  dB(A)  mm  mm  kg  MPa  mm(inch)  m  m  m  c C	825 1.6 21x13.37 1.3 1.3 Hydrophilic aluminum d7,Inner groove tube 900°26.74°609 5 3650 60 Throttle Valve 890x342x673 996x3908x740 52.9/55.9 R410A 2 4.2/1.5 9.52mm(3/8in)/15.9mm(5/8in) 25 15 18-43	850/770 2 25.4x22 1.3 Hydrophilic aluminum 49.52,Inner groove tube 995x762x44 4 5000 5.9.6 Throttle valve 946x410x810 1090x500x885 75.6/80.4 2088 2.8 4.8/1.5 9.52mm(3/8in)/15.9mm(5/8in 25 15 0~60	2.0 25.4×22 1.3  Hydrophilic aluminum 49.52.Inner groove tube 99.5×762×44  4  63 Throttle velve 946x.410x.810 1090x.500x.875 74.4/78.9 R410A 2.85 4.2/1.5 9.52mm(3/8in)/19mm(3/4in 30 20 -7~43 -7~24