

Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)	MCD-42NX						
	Outdoor unit	MO-42N8-Q						
Outdoor side heat exchanger of air conditioner: Air								
Indoor side heat exchanger of air conditioner: Air								
Type: compressor driven vapour compression								
If applicable: driver of compressor: electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	12.1	kW		Seasonal space cooling energy efficiency	ηs,c	241.0	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = 35°C	Pdc	12.100	kW		Tj = 35°C	EERd	288.0	%
Tj = 30°C	Pdc	9.112	kW		Tj = 30°C	EERd	448.0	%
Tj = 25°C	Pdc	5.836	kW		Tj = 25°C	EERd	686.0	%
Tj = 20°C	Pdc	2.696	kW		Tj = 20°C	EERd	1260.0	%
Degradation co-efficient for air conditioners (*)	Cdc	2.5	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.010	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-off mode	PTO	0.015	kW		Standby mode	PSB	0.010	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	4000	m3/h
Sound power level,outdoor	LWA	65/71	dB					
If engine driven: Emissions of nitrogen oxides	NO x (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Importer:FRIGICOLL S.A. BLASCO DE GARA No 4-6 08960 SANT JUST DESVERN BARCELONA Manufacturer:GD Midea .Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People s Republic of China 528311							

Information requirements for heat pumps								
Model(s):	Indoor unit(s)	MCD-42NX						
	Outdoor unit	MO-42N8-Q						
Outdoor side heat exchanger of heat pump: Air								
Indoor side heat exchanger of heat pump: Air								
Indication if the heater is equipped with a supplementary heater: no								
If applicable: driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	9.5	kW		Seasonal space heating energy efficiency	ηs,h	157.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	8.433	kW		Tj = -7°C	COPd	271.1	%
Tj = 2°C	Pdh	5.210	kW		Tj = 2°C	COPd	521.0	%
Tj = 7°C	Pdh	3.356	kW		Tj = 7°C	COPd	335.6	%
Tj = 12°C	Pdh	2.818	kW		Tj = 12°C	COPd	281.8	%
Tbiv = bivalent temperature	Pdh	8.433	kW		Tbiv = bivalent temperature	COPd	843.3	%
TOL = operating limit	Pdh	8.769	kW		TOL = operating limit	COPd	876.9	%
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	%
Bivalent temperature	Tbiv	-7	°C		For water-to-air heat pumps: Operation limit temperature	Tol	-10	°C
Degradation co-efficient heat pumps (**)	Cdh	x,x	—					
Power consumption in modes other than 'active mode'					Supplementary heater			
Off mode	Poff	0.010	kW		Back-up heating capacity (*)	elbu	0.764	kW
Thermostat-off mode	PTO	0.015	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.010	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	4000	m3/h
Sound power level,outdoor measured	LWA	65/71	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Importer:FRIGICOLL S.A. BLASCO DE GARA No 4-6 08960 SANT JUST DESVERN BARCELONA Manufacturer:GD Midea .Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People s Republic of China 528311							

Information requirements for heat pumps								
Model(s):	Indoor unit(s)		MCD-42NX					
	Outdoor unit		MO-42N8-Q					
Outdoor side heat exchanger of heat pump: Air								
Indoor side heat exchanger of heat pump: Air								
Indication if the heater is equipped with a supplementary heater: no								
If applicable: driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	11.0	kW		Seasonal space heating energy efficiency	ηs,h	157.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	9.770	kW		Tj = -7°C	COPd	270.0	%
Tj = 2°C	Pdh	6.250	kW		Tj = 2°C	COPd	410.0	%
Tj = 7°C	Pdh	3.997	kW		Tj = 7°C	COPd	478.7	%
Tj = 12°C	Pdh	2.312	kW		Tj = 12°C	COPd	545.3	%
Tbiv = bivalent temperature	Pdh	9.770	kW		Tbiv = bivalent temperature	COPd	270.0	%
TOL = operating limit	Pdh	9.670	kW		TOL = operating limit	COPd	236.5	%
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	%
Bivalent temperature	Tbiv	-7	°C		For water-to-air heat pumps: Operation limit temperature	Tol	-10	°C
Degradation co-efficient heat pumps (**)	Cdh	x,x	—					
Power consumption in modes other than ‘active mode’					Supplementary heater			
Off mode	Poff	0.012	kW		Back-up heating capacity (*)	elbu	1.374	kW
Thermostat-off mode	PTO	0.020	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.012	kW
Other items								
Capacity control	fixed/staged/variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	7500	m3/h
Sound power level,outdoor measured	LWA	65/73	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Importer:FRIGICOLL S.A. BLASCO DE GARA No 4-6 08960 SANT JUST DESVERN BARCELONA Manufacturer:GD Midea .A.ir-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People s Republic of China 528311							