

MIRAI X CRYO PRODUCT PORTFOLIO

CRYOCHILLERS FOR ECOLOGICAL
PROCESS COOLING

FROM -160 °C TO +90 °C



- » MX CRYO 10
- » MX CRYO 15
- » MX CRYO 20
- » MXS CRYO 20

TECHNICAL DATA

MIRAI X CRYO 10/15/20

REF: MX CRYO 10/15/20

REFRIGERANT	Natural Air (R729)
MOTOR POWER	10 kW 15 kW 20 kW
TEMPERATURE RANGE*	From -160°C up to +90°C
TEMPERATURE ACCURACY	±0.025°C at idle ±0.5°C under changing load
COMPRESSOR	Mirai Turbo-Compressor (water-cooled)
HEATING	12 kW
PUMP	2.2 kW
DIMENSIONS (HxLxW) ±5 mm	1880x1340x990
POWER SUPPLY	~3 PE+N/3PE, 400 V/440V/480V, 50HZ/60 Hz
SOUND PRESSURE, AT A DISTANCE OF 1M FROM RM (dB)	Up to 75
HTF CONNECTION	Any, upon customer specifications

*THE TEMPERATURE RANGE VARIES ACCORDING TO THE TYPE OF HTF USED.



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DATA SHEET

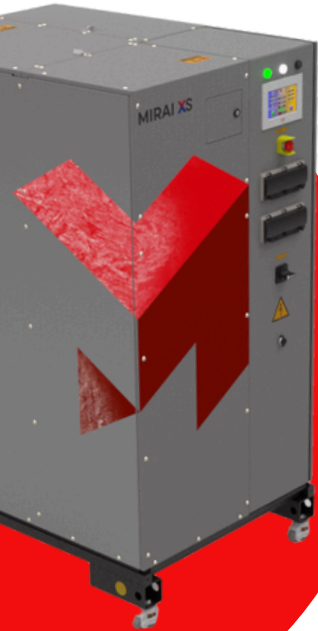
TECHNICAL DATA

MIRAI XS CRYO 20

REF: MXS CRYO 20

REFRIGERANT	Natural Air (R729)
MOTOR POWER	20 kW
TEMPERATURE RANGE*	From -160°C up to +90°C
TEMPERATURE ACCURACY	±0.025°C at idle ±0.5°C under changing load
COMPRESSOR	Mirai Turbo-Compressor (water-cooled)
HEATING	12 kW
PUMP	2.2 kW
DIMENSIONS (HxLxW) ±5 mm	1797x940x1360
POWER SUPPLY	~3 PE+N/3PE, 400 V/440V/480V, 50HZ/60 Hz
SOUND PRESSURE, AT A DISTANCE OF 1M FROM RM (dB)	Up to 75
HTF CONNECTION	Any, upon customer specifications

*THE TEMPERATURE RANGE VARIES ACCORDING TO THE TYPE OF HTF USED.



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AIR AS REFRIGERANT

0 GWP, 0 ODP, and 0 TFA
Environmentally friendly
Refrigerant free of charge



NO VIBRATION

Turbo-compressor design
eliminates vibration



LOW OPERATING COSTS

Long equipment lifecycle
Low maintenance



SERVICEABILITY

No leak checks
No refrigerant recovery



ENERGY EFFICIENCY

High cycle efficiency
Inverter driven motor



TEMPERATURE ACCURACY

0.025°C accuracy at idle
± 0.5°C under changing load