



MATERIAL FACT SHEET

236920 FR-D740-1.5K

General Data

Product Hierarchy	IAK23801
	INVERTER
	FR-D740
Ext. Material Group	10 EOL ANNOUNCED
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000236920>

FA-Inverter: Inverter

Series	FR-D700 SERIES
Type	FR-D700 COMPACT INVERTER
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	325
Maximum Rated Voltage (V)	480
Max. Permissible Voltage (V)	528
Current Type	AC
Phases	3
Rated Output Current ND (A)	3,6
Rated Motor Capacity ND (kW)	1,5
Frequency Range (Hz)	0,2–400
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	SOFT-PWM/HIGH FREQUENCY PWM
Control Method (3)	V/F CONTROL
Motor Type	INDUCTION MOTOR
Brake Chopper ED (%)	30
Integrated EMC Filter	NO
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	BUILT-IN
Display Type	4 DIGITS LED
PLC Function	NO
Integrated Digital Inputs	5
Digital Outputs (Transistor)	1
Digital Outputs (Relay)	1
Integrated Analogue Inputs	2
Integrated Analogue Outputs	1
IO Type of Terminal Block	SPRING CLAMP
Expandable	NO
RS-485	1
USB	NO
Ethernet Port	NO
Built-In Network	MODBUS-RTU
Leakage Current (mA)	1
Power Loss ND (W)	90
Standby Power Consumption (W)	10,5-17
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	108
Height (mm)	128
Depth (mm)	135,5
Weight (kg)	1,4

Logistic Dimensions & Gross Weight

Length (cm)	22,0
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Width (cm)	19,0
Height (cm)	17,0
Gross Weight (kg)	1,760
Volume (cdm)	7,106

Stock Data

Planned Delivery Time (Days)	161
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Life Cycle

Sales Start	20.12.2010
Discontinued (EOL)	01.01.2026
Last Time Buy (LTB)	31.12.2026
Last Time Purchase (LTP)	31.01.2027
End of Service (EOS)	31.01.2034
Predecessor	No Predecessor
Successor	738948 / FR-D840-1.5K-037-60

Additional Product Information

Binding Tariff Information	DEBTI-14477/24-1
BTI validity date	07.07.2027
Battery included	NO
Product Code	INV(EXCEPT VECTOR INV)

Export Data

Commodity Code	85044095
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	12060-00-3
REACH Substance CAS Number (2)	127-19-5
REACH Substance CAS Number (3)	1317-36-8
REACH Substance CAS Number (4)	13560-89-9
REACH Substance CAS Number (5)	15571-58-1
REACH Substance CAS Number (6)	541-02-6
REACH Substance CAS Number (7)	556-67-2
REACH Substance CAS Number (8)	7439-92-1
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-D740-1.5K&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-D740-1.5K&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-D740-1.5K&doc-lang=en

Product Packaging

Cardboard (g)	310
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	10
Wood (g)	0
Glass (g)	0
Others (g)	20