



MATERIAL FACT SHEET

757566 FR-D820-15K-580-60

General Data

Product Hierarchy	IAK24902
	INVERTER
	FR-D820
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	B (Limited Availability from Stock)

e-shop: <https://emea.mitsubishielectric.com/fa/shop/material-page/000000000000757566>

FA-Inverter: Inverter

Series	FR-D800 SERIES
Type	FR-D800 COMPACT INVERTER
Minimum Rated Voltage (V)	200
Min. Permissible Voltage (V)	170
Maximum Rated Voltage (V)	240
Max. Permissible Voltage (V)	264
Current Type	AC
Phases	3
Rated Output Current SLD (A)	72
Rated Output Current LD (A)	-
Rated Output Current ND (A)	58
Rated Output Current HD (A)	-
Rated Motor Capacity SLD (kW)	18,5
Rated Motor Capacity LD (kW)	-
Rated Motor Capacity ND (kW)	15
Rated Motor Capacity HD (kW)	-
Frequency Range (Hz)	0,2 TO 590 HZ
Control Method	Adv. magnetic flux vector
Control Method (2)	PM sensorless vector control
Control Method (3)	V/F control
Motor Type	INDUCTION MOTOR
Brake Chopper ED (%)	100
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	-
Integrated Analogue Outputs	-
IO Type of Terminal Block	SPRING CLAMP
Expandable	NO
RS-485	1
USB	TYPE C
Ethernet Port	-
Built-In Network	MODBUS RTU
Leakage Current (mA)	-
Protection Class	IP20

Logistic Dimensions & Gross Weight

Length (cm)	38,0
Width (cm)	31,0
Height (cm)	31,0
Gross Weight (kg)	6,790

Volume (cdm)	36,518
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Stock Data

Planned Delivery Time (Days)	147
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Life Cycle

Sales Start	12.12.2025
Predecessor	243782 / FR-D720-15K

Additional Product Information

Battery included	NO
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Export Data

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

Environmental

Dangerous Goods Class	NO
RoHS Compliance	COMPLIANT

Conformity

CE	COMPLIANT
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Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-D820-15K-580-60&doc-lang=en
CAD URL Indicator	X
Network configuration file URL	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blf26ecc97a31a841c1&q=FR-D820-15K-580-60&doc-lang=en