



## MATERIAL FACT SHEET

### 301788 RV-50FM-D1-S15

#### General Data

Product Hierarchy	IAG24301
	ROBOT
	RV-50F-D
Ext. Material Group	10 DISCONTINUED
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IJ/EUR/en/p/000000000000301788](https://mitsubishi-electric-eshop.mee.com/mee/FA_IJ/EUR/en/p/000000000000301788)

#### FA-Robot: Robotssystem

Series	RV-F SERIES BIG CAPACITY ROBOT
Type	VERTICAL
Payload (kg)	50
Max. Reach Radius (mm)	2050
Environment specification	OIL MIST
Controller Type	CR760-D
Speed (mm/s)	13000
Repeatability (mm)	0,07
Installation Method	FLOOR
Protection Class	IP67
Power Supply 3 Phase (VAC)	180-253
Power Consumption (VA)	20000
Operating Range J1 (deg)	330
Operating Range J2 (deg)	215
Operating Range J3 (deg)	261
Operating Range J4 (deg)	720
Operating Range J5 (deg)	250
Operating Range J6 (deg)	900

#### Product Dimensions & Weight

Width (mm)	648
Height (mm)	1852
Depth (mm)	1955
Weight (kg)	640

#### Logistic Dimensions & Gross Weight

Length (cm)	215,0
Width (cm)	122,0
Height (cm)	192,0
Gross Weight (kg)	1.118,000
Volume (cdm)	5.036,160

#### Stock Data

Planned Delivery Time (Days)	170
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#### Life Cycle

Sales Start	04.08.2016
Discontinued (EOL)	21.12.2023
Last Time Buy (LTB)	30.05.2024
Last Time Purchase (LTP)	30.06.2024
End of Service (EOS)	30.03.2032
Predecessor	No Predecessor
Successor	<a href="#">701531 / RV-50FRM-D</a>

#### Additional Product Information

Battery included	YES - CHECK SPARE PART LIST
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## Export Data

Commodity Code	84795000
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	<a href="#">10043-35-3</a>
REACH Substance CAS Number (2)	<a href="#">110-71-4</a>
REACH Substance CAS Number (3)	<a href="#">119-47-1</a>
REACH Substance CAS Number (4)	<a href="#">119344-86-4</a>
REACH Substance CAS Number (5)	<a href="#">127-19-5</a>
REACH Substance CAS Number (6)	<a href="#">13560-89-9</a>
REACH Substance CAS Number (7)	<a href="#">15571-58-1</a>
REACH Substance CAS Number (8)	<a href="#">26523-78-4</a>
REACH Substance CAS Number (9)	<a href="#">29420-49-3</a>
REACH Substance CAS Number (10)	<a href="#">540-97-6</a>
REACH Substance CAS Number (11)	<a href="#">693-98-1</a>
REACH Substance CAS Number (12)	<a href="#">71868-10-5</a>
REACH Substance CAS Number (13)	<a href="#">79-94-7</a>
REACH Substance CAS Number (14)	<a href="#">80-05-7</a>
REACH Substance CAS Number (15)	<a href="#">80-43-3</a>
REACH Substance CAS Number (16)	<a href="#">8535-85-9</a>
REACH Substance CAS Number (17)	<a href="#">96-13-9</a>
REACH Substance CAS Number (18)	<a href="#">10141-05-6</a>
Dangerous Goods Class	9
Dangerous Goods Identifier	UN3091
RoHS Compliance	NOT IN SCOPE
WEEE	B2B

## Conformity

CE	COMPLIANT
EAC	NON-COMPLIANT
UKCA	COMPLIANT

## Documentation & Media Data

Manual URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RV-50FM-D1-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=RV-50FM-D1-S15&amp;doc-lang=en</a>
Certificates URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-50FM-D1-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=RV-50FM-D1-S15&amp;doc-lang=en</a>
CAD URL Indicator	<a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-50FM-D1-S15&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=RV-50FM-D1-S15&amp;doc-lang=en</a>

## Product Packaging

Cardboard (g)	4000
Other paper (g)	120
Aluminum (g)	0
Steel (g)	60
Styrofoam (g)	0
Other plastic (g)	1097,18
Wood (g)	0
Glass (g)	0
Others (g)	500

## Spare parts

Material	Description	Quantity	Unit
333046	RV-35F/50F/70F COUPLING GEAR ASSY J1	1	PC
<a href="#">333048</a>	RV-35F/50F/70F GEAR SET J1 (NO MOTOR)	1	PC
333051	RV-35F/50F COUPLING GEAR ASSY J2	1	PC
<a href="#">333052</a>	RV-35F/50F GEAR SET J2 (NO MOTOR)	1	PC
<a href="#">333053</a>	RV-35F/50F/70F COUPLING GEAR ASSY J3	1	PC
<a href="#">333065</a>	RV-35F/50F/70F GEAR SET J3 (NO MOTOR)	1	PC
333066	RV-35F/50F/70F COUPLING GEAR ASSY J4	1	PC
<a href="#">333068</a>	RV-35F/50F/70F GEAR SET J4 (NO MOTOR)	1	PC
333071	RV-35F/50F/70F COUPLING GEAR ASSY J5	1	PC
<a href="#">333072</a>	RV-35F/50F/70F GEAR SET J5 (NO MOTOR)	1	PC
333073	RV-35F/50F/70F COUPLING GEAR ASSY J6	1	PC
<a href="#">333075</a>	RV-35F/50F/70F GEAR SET J6 (NO MOTOR)	1	PC

Material	Description	Quantity	Unit
333080	RV-35F/50F/70F COVER MOTOR J1	1	PC
333081	RV-35F/50F/70F COVER MOTOR J3	1	PC
333082	RV-35F/50F/70F BACK COVER OF GEAR BOX	1	PC
333084	RV-35FM/50FM/70FM WIRING COVER J2 (IP67)	1	PC
333086	RV-35FM/50FM/70FM WIRING COVER J3 (IP67)	1	PC
333087	RV-35F/50F/70F SIDE COVER OF GEAR BOX	1	PC
333088	RV-35FM/50FM/70FM MOTOR COVER J2 (IP67)	1	PC
<a href="#">333089</a>	RV-35F/50F/70F COVER FOR ENCODER LABEL	1	PC
<a href="#">333090</a>	RV-35F/50F/70F BJ1 HARNESS ASSY	1	PC
<a href="#">333092</a>	RV-35FM/50FM/70FM BJ2 HARNESS ASSY(IP67)	1	PC
237526	RH-1FHR PCB BATT. CON. TZ006	1	PC
333093	RV-35F/50F/70F PROTECT COVER A	1	PC
333094	RV-35F/50F/70F PROTECT COVER B	1	PC
333095	RV-35F/50F/70F PROTECT COVER C	1	PC
333096	RV-35F/50F/70F PROTECT COVER D	1	PC
<a href="#">333097</a>	RV-35F/50F/70F REDUCTION ASSY J1 NO GEAR	1	PC
<a href="#">333098</a>	RV-35F/50F/70F REDUCTION ASSY J2 NO GEAR	1	PC
<a href="#">333099</a>	RV-35F/50F/70F REDUCTION ASSY J3 NO GEAR	1	PC
<a href="#">333100</a>	RV-35F/50F/70F REDUCTION ASSY J4 NO GEAR	1	PC
<a href="#">333101</a>	RV-35F/50F/70F REDUCTION GEAR J1	1	PC
<a href="#">333102</a>	RV-35F/50F REDUCTION GEAR J2	1	PC
<a href="#">333103</a>	RV-35F/50F/70F REDUCTION GEAR J3	1	PC
<a href="#">333104</a>	RV-50F/70F REDUCTION GEAR J4	1	PC
<a href="#">333107</a>	RV-35F/50F/70F PLUG A	1	PC
<a href="#">333108</a>	RV-35F/50F/70F PLUG B	7	PC
<a href="#">333109</a>	RV-35F/50F/70F EARTH BJ1	1	PC
<a href="#">333110</a>	RV-35F/50F/70F EARTH CN3	1	PC
<a href="#">333111</a>	RV-35F/50F/70F RELAY CABLE J3 MOTOR	1	PC
<a href="#">333112</a>	RV-35F/50F/70F RELAY CABLE J3 ENCODER	1	PC
<a href="#">333113</a>	RV-35F/50F/70F ENCODER	3	PC
<a href="#">333114</a>	RV-35F/50F/70F SETTING TOOL SET	1	PC
<a href="#">333115</a>	RV-35F/50F/70F BEARING TOOL SET J1	1	PC
<a href="#">333117</a>	CR760 D/Q R700CPU UNIT	1	PC
<a href="#">333116</a>	RV-35F/50F/70F BEARING TOOL SET J4J5J6	1	PC
333118	CR760 D OPERATION PANEL ASSY	1	PC
<a href="#">333120</a>	CR760 D/Q R760 SFT UNIT	1	PC
<a href="#">333121</a>	CR760 D/Q POWER SUPPLY UNIT CV-185	1	PC
<a href="#">333122</a>	CR760 D/Q AMP UNIT V2 -160160	1	PC
<a href="#">333123</a>	CR760 D/Q AMP UNIT V1-160	1	PC
<a href="#">333124</a>	CR760 D/Q AMP UNIT V3-404040	1	PC
<a href="#">333127</a>	CR760 D/Q ELCB NV125CV 3P 100A	1	PC
<a href="#">333128</a>	CR760 D/Q NOISE FILTER FTA-50-104	1	PC
333129	CR760 D/Q AC REACTOR	1	PC
<a href="#">333130</a>	CR760 D/Q MAGNETIC CONTACTOR	1	PC
<a href="#">333131</a>	CR760 D/Q NOISE FILTER NAC-06-472	1	PC
<a href="#">333132</a>	CR760 D/Q AVR ASSY 24V POWER SUPPLY UNIT	1	PC
333133	CR760 D/Q TERMINAL-K5.5-12S	1	PC
333134	CR760 D/Q TERMINAL-K5.5-6S	1	PC
<a href="#">333159</a>	CR760 D/Q TB CABLE ASSY	1	PC
<a href="#">333164</a>	CR760 D/Q CN1-ASSY 7M	1	PC
<a href="#">333165</a>	CR760 D/Q CN2-ASSY 7M	1	PC
<a href="#">333166</a>	CR760 D/Q CN3-ASSY 7M	1	PC

### Compatible products

Material	Description / Price List Text / Classification
<a href="#">124658</a>	2A-RZ371 Robot option I/O-Interface 32 inputs /32 Outputs (decentral I/O's) type 2A-RZ371 Class 100100604: FA-Robot: Interface Card
<a href="#">214968</a>	R32TB Robot Teaching Box R32TB; Narc controller (standard version) Class 100100602: FA-Robot: Teachingbox
<a href="#">218862</a>	2D-TZ378 Robot option I/O-Interface: 32 inputs /32 Outputs (internal I/O's expansion) Class 100100604: FA-Robot: Interface Card
<a href="#">219063</a>	2D-TZ576 Robot option CC-Link-Interface-card Class 100100604: FA-Robot: Interface Card
<a href="#">225756</a>	R32TB-15 Teaching box R32TB with 7 lines display and 15m cable length Class 100100602: FA-Robot: Teachingbox

Material	Description / Price List Text / Classification
<a href="#">232808</a>	2D-TZ368 Robot option E/A-Interface: 32 inputs /32 Outputs SINK (internal I/O's ) Class 100100604: FA-Robot: Interface Card
259885	2D-TZ535 Network Interface for CompactCom module Class 100100604: FA-Robot: Interface Card
<a href="#">269546</a>	2D-TZ535-PN-SET Robot Network Interface Profinet IO Class 100100604: FA-Robot: Interface Card
269555	2D-TZ535-PN Network Interface for CompactCom Modul Profinet Class 100100604: FA-Robot: Interface Card
<a href="#">282409</a>	2D-TZ535-EIP-SET Robot Network Interface EtherNet/IP Class 100100604: FA-Robot: Interface Card
303981	1F-10CBL-21 RV-35F/RV-50F/RV-70F Extension cable, 10m Class 100100605: FA-Robot: Cable
303982	1F-15CBL-21 RV-35F/RV-50F/RV-70F Extension cable, 15m Class 100100605: FA-Robot: Cable
303983	1F-05LCBL-21 RV-35F/RV-50F/RV-70F Extension cable flexible, 5m Class 100100605: FA-Robot: Cable
303984	1F-10LCBL-21 RV-35F/RV-50F/RV-70F Extension cable flexible, 10m Class 100100605: FA-Robot: Cable
303985	1F-15LCBL-21 RV-35F/RV-50F/RV-70F Extension cable flexible, 15m Class 100100605: FA-Robot: Cable
<a href="#">313063</a>	2F-DQ535 Network Interface for CompactCom module CC-Link IE Filed AB6709 Class 100100604: FA-Robot: Interface Card
<a href="#">324579</a>	RT ToolBox3 Standard 1L-USB Robot Programming/Simulation Software, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
<a href="#">324580</a>	RT ToolBox3 Pro 1L-USB Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
472268	1F-05CBLS-21 Extension cable for RV-35F/RV-50F/RV-70F; 5m Class 100100605: FA-Robot: Cable
472269	1F-10CBLS-21 Extension cable for RV-35F/RV-50F/RV-70F; 10m Class 100100605: FA-Robot: Cable
472270	1F-15CBLS-21 Extension cable for RV-35F/RV-50F/RV-70F; 15m Class 100100605: FA-Robot: Cable
<a href="#">687249</a>	R86TB Robot Teaching Box with 10,1" (Colour / Touch version) Class 100100602: FA-Robot: Teachingbox
<a href="#">736446</a>	RT ToolBox3 Pro Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot
<a href="#">736447</a>	RT ToolBox3 Standard Robot Programming/Simulation Software, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot