



MATERIAL FACT SHEET

500838 RH-6CRH6020-D-S15

General Data

Product Hierarchy	IAG24602
	ROBOT
	RH-6CH-D
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IJ/EUR/en/p/000000000000736447

FA-Robot: Robotssystem

Series	RH-CRH SERIES
Type	SCARA
Payload (kg)	6
Max. Reach Radius (mm)	600
Z Axis Stroke (mm)	200
Environment specification	STANDARD
Controller Type	CR800-CHD
Cycle Time (s)	0,41
Speed (mm/s)	7800
Repeatability (mm)	0,02
Installation Method	FLOOR
Protection Class	IP20
Power Supply (VAC)	1PHASE 200-230V
Power Consumption (VA)	500
Operating Range J1 (deg)	264
Operating Range J2 (deg)	300
Operating Range J4 (deg)	720

Product Dimensions & Weight

Width (mm)	169
Height (mm)	559
Depth (mm)	788
Weight (kg)	17

Logistic Dimensions & Gross Weight

Length (cm)	69,0
Width (cm)	58,0
Height (cm)	68,0
Gross Weight (kg)	39,000
Volume (cdm)	272,136

Stock Data

Planned Delivery Time (Days)	106
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Life Cycle

Sales Start	12.03.2020
Predecessor	305139 / RH-6CH6020-1D1-S15

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	108-78-1
REACH Substance CAS Number (2)	119313-12-1
REACH Substance CAS Number (3)	120-12-7
REACH Substance CAS Number (4)	12060-00-3
REACH Substance CAS Number (5)	127-19-5
REACH Substance CAS Number (6)	1303-86-2
REACH Substance CAS Number (7)	13560-89-9
REACH Substance CAS Number (8)	540-97-6
REACH Substance CAS Number (9)	541-02-6
REACH Substance CAS Number (10)	556-67-2
REACH Substance CAS Number (11)	71868-10-5
REACH Substance CAS Number (12)	7439-92-1
REACH Substance CAS Number (13)	79-94-7
REACH Substance CAS Number (14)	80-05-7
REACH Substance CAS Number (15)	80-43-3
REACH Substance CAS Number (16)	110-80-5
Dangerous Goods Class	9
Dangerous Goods Identifier	UN3091
WEEE	B2B

Conformity

CE	COMPLIANT
EAC	NON-COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=RH-6CRH6020-D-S15&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=RH-6CRH6020-D-S15&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=RH-6CRH6020-D-S15&doc-lang=en

Product Packaging

Cardboard (g)	9390
Other paper (g)	0
Aluminum (g)	0
Steel (g)	20
Styrofoam (g)	0
Other plastic (g)	451,17
Wood (g)	0
Glass (g)	0
Others (g)	20

Spare parts

Material	Description	Quantity	Unit
316975	RH-3/6CH/CRH MOTOR J1	1	PC
598367	RV-4F/7F MOTOR HG-KR13D-S920061	1	PC
598367	RV-4F/7F MOTOR HG-KR13D-S920061	1	PC
316976	RH-6CH/CRH HARMONIC DRIVE J1	1	PC
316977	RH-3CH/CRH HARMONIC DRIVE J1 6CH/CRH J2	1	PC
316980	RH-6CH/CRH BALL SCREW SPLINE 200	1	PC
316981	RH-3CH/CRH CRB J1 6CH/CRH J2	1	PC
316983	RH-6CH/CRH CROSS ROLLER BEARING J1	1	PC
133738	RP-3/5AH BALL BEARING 6001ZZNR	2	PC
316984	RH-3/6CH/CRH TIMING PULLEY J3A	1	PC
316987	RH-3/6CH/CRH TIMING PULLEY J4A	1	PC
316988	RH-3/6CH/CRH TIMING PULLEY J4B	1	PC
316993	RH-6CH/CRH TIMING BELT J3	1	PC
316994	RH-3/6CH/CRH TIMING BELT J4A	1	PC
316996	RH-6CH/CRH TIMING BELT J4B	1	PC
262604	RH-6CRHK OILSEAL J2	1	PC
155856	RV-12SL O-RING CO551A (S90)	1	PC
164951	RH-6CRHK O-RING CO0539A (S53)	1	PC
316998	RH-6CH/CRH O RING 88.62X1.78	2	PC
316999	RH-3/6CH/CRH O RING 72x2	2	PC
317001	RH-3/6CH/CRH AIR JOINT KQ2E06-00NJ	4	PC

Material	Description	Quantity	Unit
317002	RH-3/6CH/CRH AIR JOINT KQ2E04-00NJ	2	PC
249983	RH-12/20FRH GROMMET C-30SG-16A-UL	1	PC
164980	RH-12/20FRH GREASE NIPPLE CAP	2	PC
317003	RH-3/6CH/CRH SPACER 17L-003C1	4	PC
164975	RH-12/20FRH PARALLEL PIN H74x8	1	PC
317004	RH-3/6CH/CRH FELT (J1)	1	PC
317009	RH-6CH/CRH RUBBER STOPPER Z	2	PC
317011	RH-3/6CH/CRH STOPPER COLLAR(M8)	4	PC
131168	ER6 BAT	2	PC
265258	RV-8CHR BATTERY HOLDER	2	PC
317013	RH-3/6CH/CRH CABLE CLAMP AL6	1	PC
317015	RH-6CH 6020 INTERNAL CABLE ASSY	1	PC
317018	RH-3CH/6CH/CRH BRAKE MCNB1.5	1	PC
317021	RV-8CRL CONNECTOR 17JE	2	PC
237604	RH-12/20FRH COORDINATES DIRECTION MARK a	1	PC
237605	RH-12/20FRH COORDINATES DIRECTION MARK b	1	PC
237607	RH-12/20FRH CHARGING PART CAUTIONS NAMEP	1	PC
134305	LIQUID GASKET WHITE THREE BOND 1212	1	PC
134302	GLUE 242 LOCTITE 250ml	1	PC
599671	RH-6CRH INTERNAL PCB	1	PC
405788	CR800 PCB SERVO CPU DQ865B	1	PC
405790	CR800 PCB OPTIONAL SLOT DQ332A	1	PC
405791	CR800 PCB CONVERTER DQ801B	1	PC
405801	CR800 POWER SUPPLY UNTIL RV-7FR/RH20FR	2	PC
405803	CR800 NOISE FILTER UNTIL RV-7FR/RH20FR	1	PC
405805	CR800 FUSE 500SF-20UL	2	PC
405806	CR800 FUSE HOLDER	2	PC
220184	CR2D CR2Q OPTION COVER	2	PC
220273	CR800 TB CONNECTOR	1	PC
262774	NARC 750 FILTER DUST	1	PC
405809	CR800 CABLE BK0FA1078H02	1	PC
405810	CR800 CABLE BK0FA1078H03	1	PC
405811	CR800 CABLE BK0FA1078H04	2	PC
262786	NARC 750/751 LOCK EDGING SADDLE	1	PC
220243	CR800 RUBBER MOUNT KG-010	7	PC
220304	CR800 SPACER MPS-08-0	1	PC
237852	CR800 SEAL ATT. (ELECTRIFIC.) 114-406	1	PC
405812	RV-5AS-D CONNECTOR U794D030G51	1	PC
405813	RV-5AS-D CONNECTOR U794D030G52	1	PC
405814	CR800 ACIN CABLE BK0FA1006H53	1	PC
405817	CR800 FAN 1	1	PC
405818	CR800 FAN 2	1	PC
487082	CR800 TB CABLE U793C004G51	1	PC
589544	RH-12FRH MOTOR J4 (200W)	1	PC
722207	INVERTER CR800 PCB DQ847A FOR RH-6FRH	1	PC
739494	RH-3CH/6CH J4 AXIS BRAKE ASSY	1	PC

Compatible products

Material	Description / Price List Text / Classification
47387	2A-CBL05 I/O-port cable with connector; 5 m Class 100100605: FA-Robot: Cable
59947	2A-CBL15 Robot option I/O-port cable with connector; 15 m Class 100100605: FA-Robot: Cable
124658	2A-RZ371 Robot option I/O-Interface 32 inputs /32 Outputs (decentral I/O's) type 2A-RZ371 Class 100100604: FA-Robot: Interface Card
160229	MR-J3USBCBL3M USB PC Communication cable 3m Class 100100508: FA-Servo-Motion: Cable
214968	R32TB Robot Teaching Box R32TB; Narc controller (standard version) Class 100100602: FA-Robot: Teachingbox
218857	2D-CBL05 Robot option I/O-port cable with connector; 5 m Class 100100605: FA-Robot: Cable
218858	2D-CBL15 Robot option I/O-port cable with connector; 15 m Class 100100605: FA-Robot: Cable

Material	Description / Price List Text / Classification
218861	2D-TZ577 Robot option PROFIBUS interface-card 2D-TZ577 Class 100100604: FA-Robot: Interface Card
218862	2D-TZ378 Robot option I/O-Interface: 32 inputs /32 Outputs (internal I/O's expansion) Class 100100604: FA-Robot: Interface Card
219063	2D-TZ576 Robot option CC-Link-Interface-card Class 100100604: FA-Robot: Interface Card
225756	R32TB-15 Teaching box R32TB with 7 lines display and 15m cable length Class 100100602: FA-Robot: Teachingbox
269546	2D-TZ535-PN-SET Robot Network Interface Profinet IO Class 100100604: FA-Robot: Interface Card
274317	R32TB Wall Mount Robot option R32TB and R33TB Wall mount Class 100100607: FA-Robot: Other Option
282409	2D-TZ535-EIP-SET Robot Network Interface EtherNet/IP Class 100100604: FA-Robot: Interface Card
313061	4F-SF002-01 Safety option unit MELFA SafePlus for CR800 Controller Class 100100604: FA-Robot: Interface Card
313062	CR800-MB Protection Box IP54 for CR800 Controller CR800-MB Class 100100607: FA-Robot: Other Option
313064	4F-FS002H-W200 Force Sensor Set 200N incl. Interface unit (2F-DQ561) for FR Series 4F-FS002H-W2 Class 100100607: FA-Robot: Other Option
313105	4F-FS002H-W1000 Force Sensor Set 1000N incl. Interface unit (2F-DQ561) for FR Series 4F-FS002H-W Class 100100607: FA-Robot: Other Option
324560	2F-DQ535-CCIEF-SET Network Interface SET CC-Link IE Field for CR800 Contr. Class 100100604: FA-Robot: Interface Card
324579	RT ToolBox3 Standard 1L-USB Robot Programming/Simulation Software, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
324580	RT ToolBox3 Pro 1L-USB Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence USB Class 100101206: FA-Software: Software Robot
325728	MELFA Smart Plus Card Pack A-Typ2F-DQ510 MELFA Smart Plus Card Pack A-Type Class 100100604: FA-Robot: Interface Card
325729	2F-DQ511 MELFA Smart Plus Card A-Type Class 100100604: FA-Robot: Interface Card
486379	2F-DQ520 MELFA Smart Plus Card Pack AB-Type Class 100100604: FA-Robot: Interface Card
486380	2F-DQ521 MELFA Smart Plus Card B-Type Class 100100604: FA-Robot: Interface Card
504046	1F-03UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 3m Class 100100605: FA-Robot: Cable
504047	1F-10UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 10m Class 100100605: FA-Robot: Cable
504048	1F-15UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 15m Class 100100605: FA-Robot: Cable
504049	1F-20UCBL-42 Machine cable for RH-CRH and CR800 controller, standard, 20m Class 100100605: FA-Robot: Cable
504050	1F-10LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 10m Class 100100605: FA-Robot: Cable

Material	Description / Price List Text / Classification
504515	1F-15LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 15m Class 100100605: FA-Robot: Cable
504516	1F-20LUCBL-42 Machine cable for RH-CRH and CR800 controller, high flexible, 20m Class 100100605: FA-Robot: Cable
603944	4F-SF003-05 Safety option unit MELFA SafePlus II Slim for CR800 Controller Class 100100604: FA-Robot: Interface Card
687249	R86TB Robot Teaching Box with 10,1" (Colour / Touch version) Class 100100602: FA-Robot: Teachingbox
736446	RT ToolBox3 Pro Robot Programming/Simulation Software, MELFA-Works, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot
736447	RT ToolBox3 Standard Robot Programming/Simulation Software, Win10/11, 1 Licence Email Class 100101206: FA-Software: Software Robot