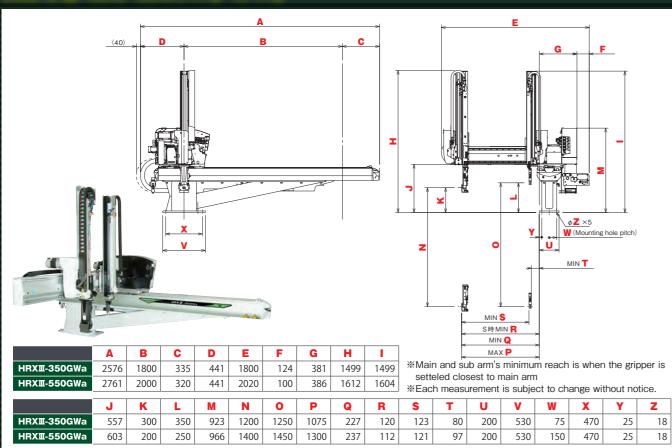
HRXIII-350/550SWa·GWa



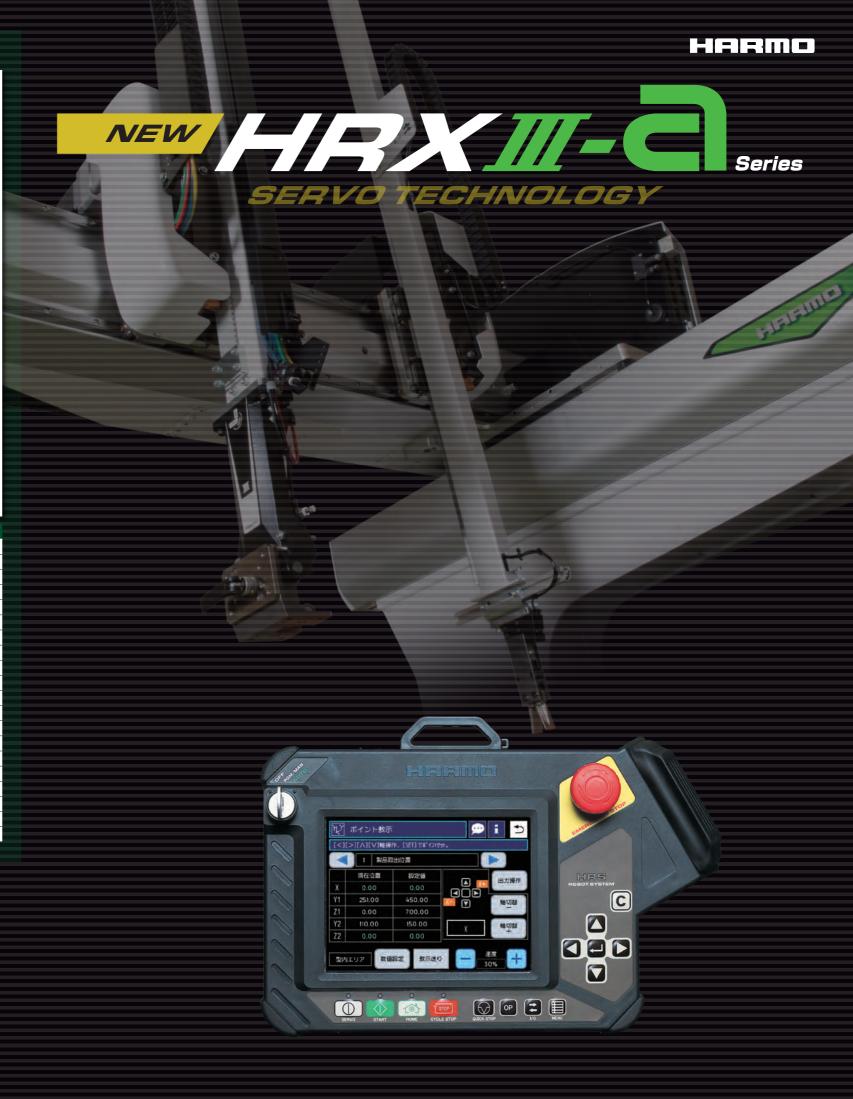
MODEL		HRXⅢ-350SWa	HRXⅢ-350GWa	HRXⅢ-550\$Wa	HRXⅢ-550GWa			
Main Arm Stroke	(mm)	12	00	14	.00			
Sub Arm Stroke	(mm)	_	1250	_	1450			
Main Kick Stroke	(mm)	955 (120~1075)	848 (227~1075)	1188 (112~1300)	1058 (277~1335)			
Sub Kick Stroke	(mm)	_	848 (80~928)	− 1058 (97~1155				
Traverse Stroke	(mm)	1800	[2000]	2000 [2600]				
Main Arm Home Position	(mm)	30	00	2	00			
Main Arm Maximum Reach	(mm)	10	1075 1300					
Sub Arm Minimum Reach	(mm)	_	80	_	97			
Wrist Unit	(°)	9	0					
Wrist Torque	(Nm)	35	5.2					
Maximum Payload	(kg)	12 (includ	ing EOAT)	12 (includ	ing EOAT)			
Weight	(kg)	291	314	354	376			
HxWxD	(mm)	2576 × 18	00 × 1499	2716 × 20	20 × 1612			
Working Air Pressure	(MPa)		0	.5				
Air Consumption **	(ℓ/cyc[ANR])	1.86	1.88	1.86	1.88			
Control Method		Digital AC servo motor (3/5 axes)						
Power Supply	(V)	3-phase/Single Phase AC200V-240V ± 10% (50Hz/60Hz)						
Maximum Power Consumption	(W)	1700	2300	1700 230				
Power Equipment Capacity	(VA)	3000	4000	3300 470				
Maximum Current Consumption	(A)	8.50	11.50	9.50	13.50			

* The additional 46 ℓ /min [ANR] per circuit will be consumed when using a vacuum ejector. [] = Option



http://www.harmo-net.co.jp

HRX3-a_01E 2020111KP



Great value to shorten the mold changing time and improve productivity.







Hand strap to prevent unexpected drop

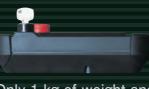
Three-position enable switch for easy operation and safety



Lightweight, compact and fits in one hand!

5.7 inch touch panel with quick response!

Key selector switches (OFF/ MANUAL/AUTO) to easily protect / manage the data



Only 1 kg of weight and 40mm slim body



Corner protectors (shown by ★)

The corner protectors protect the pendant from the impact.

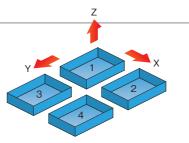
Off line programming

- Additional specifications such as special operations and outputs after introducing robots are available without stopping workflow.
- Operational check of created program with 3D can be done on the computer



Free Palletizing

Freely set up to 256 part release points.



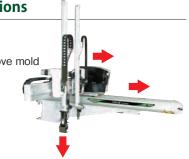
Group Management

• The mold memories are manageable by grouping them into customers, products or any desired categories.



Home Positions

- 1st entry
- outside moldhorizontal above mold
- backward(all standard)



HAL-NET(HARMO ALL-AROUND LINK - NET)

(OPTION)

- Communicating with the HARMO F series auxiliary equipment.
- The auxiliary equipment is remotely operable with the touch panel of the robot.



Data Link System

(OPTION)

Compatible with Data Link System such as batch setting and batch monitoring of peripheral devices. Contributes to shorten the mold changing time.

- Automatic setup by selecting the mold data on the robot
- Start all peripheral devices at once with the robot
- Monitor the data on all peripheral devices









Languages

- Standard 8 languages (Japanese, English, Chinese, Korean, Spanish,Indonesian,Vietnamese and Turkish)
- Other European languages are available.

Production Management

- Production monitoring and management settings are available to set the robot action at the end of the operations, such as stopping the automatic operation at the end of the production.
- A lot of IOs (up tp 56) The maintenance messages alerts the time for the maintenance.
- The error logs helps to identify the cause of the troubles.

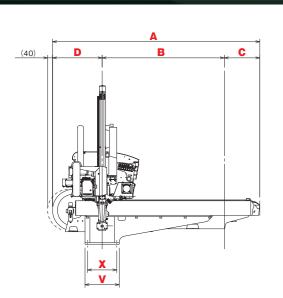
HRXII-150GWa

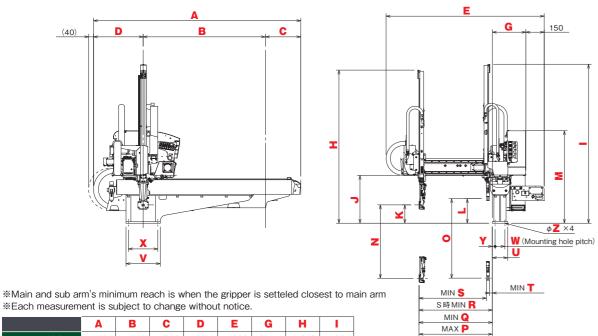
Series Name

IMM Tonnage (t) Controller Type a: HRS-1400a

S : 3-Axis Single Arm
G : 5-Axis Single Arm
SW : 3-Axis Telescopic Arm
GW : 5-Axis Telescopic Arm







*Each measurement is subject to change without notice.

	A	D	C	D	=	u	-	•	
HRXⅢ-50Ga	1696	1000	290	406	1300	274.5	1253	1301	
HRXⅢ-80Ga	1936	1200	330	406	1300	274.5	1403	1461	
									_

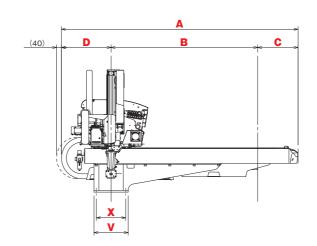
	J	K	L	M	N	0	P	Q	R	S	Т	U	V	W	X	Y	Z
HRXⅢ-50Ga	391	150	200	757	600	650	600	133.5	90.5	85.5	24	125	280	80	240	22.5	14
HRXⅢ-80Ga	391	150	200	757	750	800	600	133.5	90.5	85.5	24	125	280	80	240	22.5	14

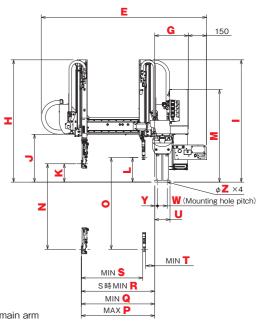
MODEL		HRXⅢ-50Sa	HRXII-50Ga	HRXII-80\$a	HRXⅢ-80Ga			
Main Arm Stroke	(mm)	600	[750]	7:	50			
Sub Arm Stroke	(mm)	_	050 (000)					
Main Kick Stroke	(mm)	510 (90 ∼ 600)	466.5 (133.5 ~ 600)	510 (90 ~ 600)	466.5 (133.5 ~ 600)			
Sub Kick Stroke	(mm)	_	466.5 (24 ~ 490.5)	_	466.5 (24 ~ 490.5)			
Traverse Stroke	(mm)	1000 【120	0] [1600]	1200	[1600]			
Main Arm Home Position	(mm)	1:	150 150					
Main Arm Maximum Reach	(mm)	60	00	60	00			
Sub Arm Minimum Reach	(mm)	_	24	_	24			
Wrist Unit	(°)	9	0					
Wrist Torque	(Nm)	8						
Maximum Payload	(kg)		3 (includi	ing EOAT)				
Weight	(kg)	143	160	149	167			
HxWxD	(mm)	1696 × 1300 × 1253	1696 × 1300 × 1301	1936 × 1300 × 1403	1936 × 1300 × 1461			
Working Air Pressure	(MPa)		0	.5				
Air Consumption ※	(l /cyc[ANR])	0.62	0.64	0.62	0.64			
Control Method			Digital AC servo	motor (3/5 axes)				
Power Supply	(V)	3-phase/Single Phase AC200V-240V ± 10% (50Hz/60Hz)						
Maximum Power Consumption	(W)	1000	1600					
Power Equipment Capacity	(VA)	2400	3400	2400 3400				
Maximum Current Consumption	(A)	6.75	9.75	6.75	9.75			

* The additional 46 l/min [ANR] per circuit will be consumed when using a vacuum ejector. [] = Option

HRXIII-80SWa·GWa

* The photo is for the non-operator side release.





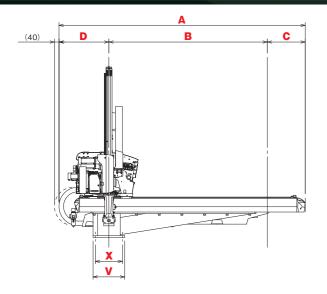
*Main and sub arm's minimum reach is when the gripper is setteled closest to main arm *Each measurement is subject to change without notice.

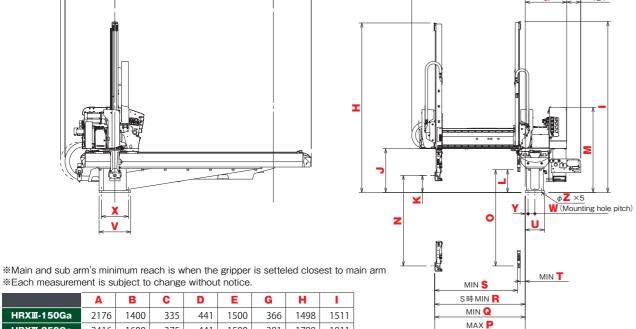
A B C D E G H I

HRXⅢ-80GWa	1936	1200	330	406	1358	274.5	1001	1001									
	J	K	L	M	N	0	P	Q	R	S	Т	U	V	W	X	Y	Z
HRXⅢ-80GWa	391	150	200	757	750	800	600	205	98	102	79	125	280	80	240	22.5	

MODEL		HRXII-80SWa	HRXⅢ-80GWa
Main Arm Stroke	(mm)	7.	50
Sub Arm Stroke	(mm)	_	800
Main Kick Stroke	(mm)	502 (98 ~ 600)	395 (205 ~ 600)
Sub Kick Stroke	(mm)	_	395 (79 ~ 474)
Traverse Stroke	(mm)	1200	[1600]
Main Arm Home Position	(mm)	1.	50
Main Arm Maximum Reach	(mm)	6	00
Sub Arm Minimum Reach	(mm)	-	79
Wrist Unit	(°)	ç	90
Wrist Torque	(Nm)		8
Maximum Payload	(kg)	3 (includ	ing EOAT)
Weight	(kg)	151	171
HxWxD	(mm)	1936 × 13	358 × 1001
Working Air Pressure	(MPa)	0	1.5
Air Consumption **	(ℓ/cyc[ANR])	0.62	0.64
Control Method		Digital AC servo	motor (3/5 axes)
Power Supply	(V)	3-phase/Single Phase AC200	$0V-240V \pm 10\% (50Hz/60Hz)$
Maximum Power Consumption	(W)	1000	1600
Power Equipment Capacity	(VA)	2400	3400
Maximum Current Consumption	(A)	6.75	9.75
* The additional 46 l/min [ANI	R] per circ	uit will be consumed when using a vacuum ejector.	[]=Option







	A	В	C	D	E	G	Н	I
HRXⅢ-150Ga	2176	1400	335	441	1500	366	1498	1511
HRXⅢ-250Ga	2416	1600	375	441	1500	381	1798	1811

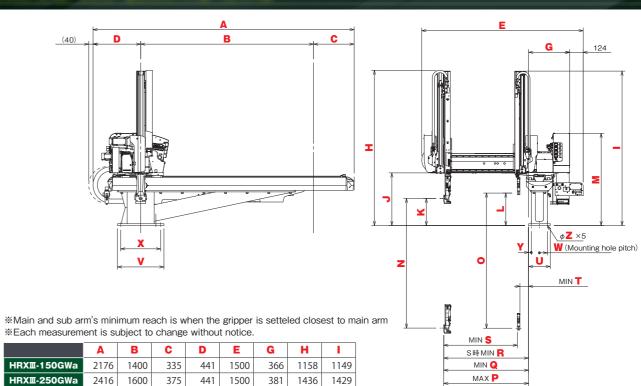
※ The additional 46 ℓ/min [ANR] per circuit will be consumed when using a vacuum ejector.

*Each measurement is subject to change without notice.

		J	K	L	M	N	0	P	Q	R	S	Т	U	V	W	X	Y	Z
	HRXⅢ-150Ga	387	150	200	753	800	850	800	190	122	121	45	170	280	60	240	25	14
ĺ	HRYIII.250Ga	187	250	300	853	1000	1050	785	175	107	121	30	200	430	75	370	25	18

MODEL		HRXII-150Sa	HRXⅢ-150Ga	HRXII-250\$a	HRXⅢ-250Ga				
Main Arm Stroke	(mm)	800 [900	[1000]	10	00				
Sub Arm Stroke	(mm)	_	- 850 [950] [1050] - 1050						
Main Kick Stroke	(mm)	678 (122 ~ 800)	610 (190 ~ 800)	678 (107 ~ 785)	610 (175 ~ 785)				
Sub Kick Stroke	(mm)	_	610 (45 ~ 655)	_	610 (30 ~ 640)				
Traverse Stroke	(mm)	1400 [1600]	1400 [1600] [1800] [2000] 1600 [1800						
Main Arm Home Position	(mm)	1:	150 250						
Main Arm Maximum Reach	(mm)	80	800 785						
Sub Arm Minimum Reach	(mm)	_	45	_	30				
Wrist Unit	(°)	9	0						
Wrist Torque	(Nm)	22.7							
Maximum Payload	(kg)		5 (includi	ng EOAT)					
Weight	(kg)	218	237	251	261				
HxWxD	(mm)	2176 × 1500 × 1498	2176 × 1500 × 1511	2416 × 1500 × 1798	2416 × 1500 × 1811				
Working Air Pressure	(MPa)		0	.5					
Air Consumption ※	(l /cyc[ANR])	1.15	1.17	1.15	1.17				
Control Method			Digital AC servo	motor (3/5 axes)					
Power Supply	(V)	3-phase/Single Phase AC200V-240V ± 10% (50Hz/60Hz)							
Maximum Power Consumption	(W)	1000 1600 1000 16							
Power Equipment Capacity	(VA)	(VA) 3000 4000 3000							
Maximum Current Consumption	(A)	8.50	11.50	8.50	11.50				

HRXIII-150/250SWa·GWa



MODEL		HRXⅢ-150SWa	HRXⅢ-150GWa	HRXⅢ-250SWa	HRXⅢ-250GWa			
	()							
Main Arm Stroke	(mm)	90	00	12	1250			
Sub Arm Stroke	(mm)	_	_ 950 <u>_</u>					
Main Kick Stroke	(mm)	656 (144 ~ 800)	549 (251 ~ 800)	660 (125 ~ 785)	553 (232 ~ 785)			
Sub Kick Stroke	(mm)	_	549 (95 ~ 644)	_	553 (80 ∼ 633)			
Traverse Stroke	(mm)	1400 [1600]	[1800] [2000]	1600 【180	0] [2000]			
Main Arm Home Position	(mm)	15	50	25	50			
Main Arm Maximum Reach	(mm)	80	00	78	35			
Sub Arm Minimum Reach	(mm)	_	95	_	80			
Wrist Unit	(°)	9	0	90				
Wrist Torque	(Nm)		22.7					
Maximum Payload	(kg)		5 (includ	ing EOAT)				
Weight	(kg)	224	245	261	284			
HxWxD	(mm)	2176 × 15	00 × 1158	2416 × 15	00 × 1436			
Working Air Pressure	(MPa)		0	.5				
Air Consumption **	(ℓ /cyc[ANR])	1.15	1.17	1.15	1.17			
Control Method			Digital AC servo	motor (3/5 axes)				
Power Supply	(V)		3-phase/Single Phase AC200	V-240V ± 10% (50Hz/60Hz)				
Maximum Power Consumption	(W)	0 1000 1600 1350 1						
Power Equipment Capacity	(VA)	/A) 3000 4000 3000 4000						
Maximum Current Consumption	(A)	8.50	11.50	8.50	11.50			
※ The additional 46 ℓ /min [ANI	R] per circ	uit will be consumed when u	using a vacuum ejector.	[]=Option				

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 18