

MOTOWELD-S350 (North American standard)

INSTRUCTIONS

Supplementation document for YWE-S350-6N2C version

**Upon receipt of the product and prior to initial operation, read these instructions
Thoroughly, and retain for future reference.**

Part Number: 158412-1CD

Revision: 0



MANUAL No. HW0480939

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“YWE-S350-6N2C” is a machine which added the function for semi-automatic hand welding to "YWE-S350-6N2 (Standard model)". This function has aimed the use of "Backup machine when robot welder breaks down" to hand welding by peacetime.

In this document, only a peculiar function of "6N2C" is explained.

Please read as the manual of " YWE-S350-6N2 (Standard model)" additionally.

1. CONFIGURATION AND SPECIFICATION

Rated specifications

Ratings for power supply		MOTOWELD-S350-6N2C	
Unit and welder		YWE-S350-6N2C	
Rated input voltage and number of phases	[V]	480 (-10% to +10%)	
Rated frequency	[H z]	50/60	
Rated input	[k V A]	18	
	[k W]	15	
Welding current adjustment range	[A]	50 to 350	
Welding voltage adjustment range	[V]	16 to 36	
Rated duty cycle	[%]	60	
Wire feed speed	[m / m i n]	2 to 15.5	
Range of analog input voltage	[V]	0 to 14	
Gas pre-flow time	[s e c]	0	
Gas after-flow time	[s e c]	2	
Wire feed slow-down speed	[m / m i n]	2	
Robot interface		MOTOMAN specification	
Voltage of search function	[V]	280 (+20% to +20%)	
Dimensions (W×D×H)	[m m]	362 X 725 X 641	
Weight	[k g]	45	
Additional function from YWE-S350-6N2(Standard)		Connector for semi-automatic hand welding unit CON1 : For wire feeding unit of hand welding CON2 : For remote controller	
Standard accessories	Fuse contained in glass tube 5A,8A,10A	Each 1	

2. CONNECTION FOR HAND WELDING UNIT

Please connect hand welding unit to MOTOWELD-S350-6N2C.(See Fig2-1)

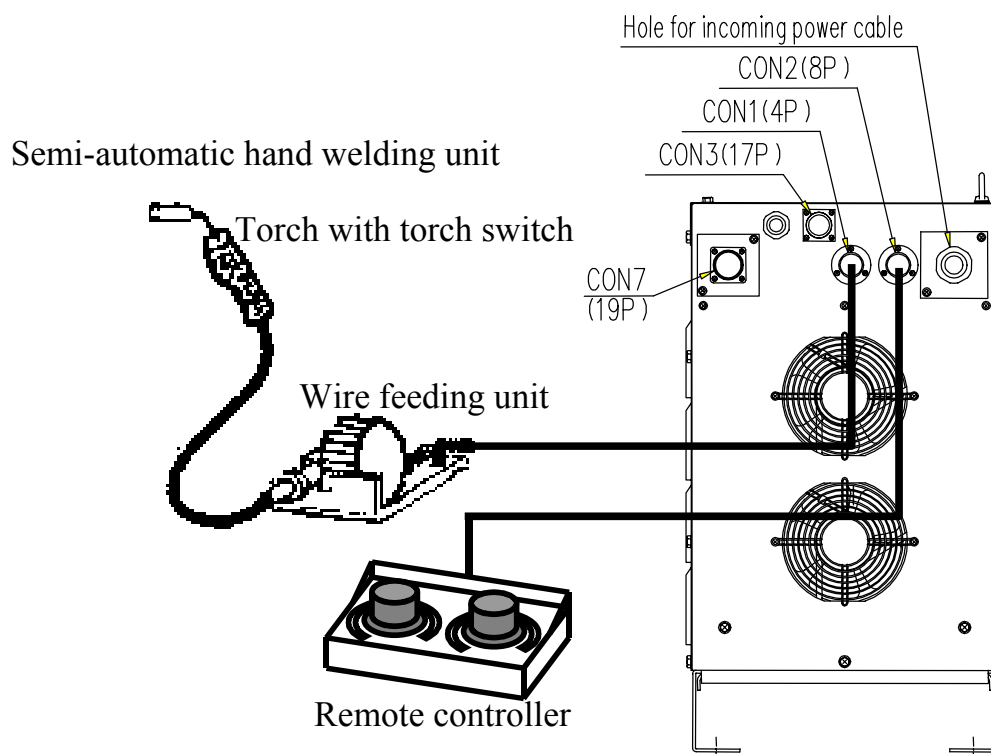


Fig 2-1 CONNECTION FOR HAND WELDING UNIT

Note: When you use this machine for robot welder , please read the manual of “YWE-S350-6N2 (Standard model)”.

Note2: When you use this machine for robot welder , please disconnect remote controller.

3. LIST OF HAND WELDING UNIT

Please use made by Hitachi Ltd. hand welding unit of list 3-1 for hand welding of MOTOWELD-S350-6N2C.

List 3-1 Hitachi hand welding unit for MOTOWELD-S350-6N2C compatible

Wire feeding unit

Hitachi code No.	Name	Note
3053-6111	Wire feeder WF-4M351	4WD feed roller , cable 5m
3053-3195	Wire feeder TS-351	Single feed roller, cable 10m

Hand welding torch

Hitachi code No.	Name	Note
3053-3761	Welding torch T-369AD3	350A for steel, torch cable 3m

Remote controller

Hitachi code No.	Name	Note
DTCPL35973	Remote controller box	For Hitachi DT-CPL350

Optional

Hitachi code No.	Name	Note
3053-3909	Extension remote controller cable	10m
3053-3864	Extension gas hose	10m
3053-3868	Extension welding power cable	10m

4. DIAGRAM

