

LBH 410 ▪ LBH 710 ▪ LBH 910

Compact stud welding units for drawn arc and short cycle stud welding

- welding range: \varnothing 2-12 mm
- welding materials: steel, stainless steel, aluminium
- highest operational reliability, excellent welding quality, high power-on time
- simple handling
- indication of all functions by LED, display of potential error messages
- electronic control of all functions
- welding time continuously adjustable (LBH 710 and LBH 910: timing divided up into two time domains for especially precise adjustment)
- compact construction, low weight
- optional for LBH 710 and LBH 910 (also retrofitable): inert gas module for welding with inert gas for weld pool backing
- optional for LBH 710 and LBH 910 (also retrofitable): automatic module to connect the automatic stud feeding system VBZ and an automatic welding gun



Technical Data

	LBH 410	LBH 710	LBH 910
Welding range	Ø 2-8 mm	Ø 2-10 mm	Ø 2-12 mm
Welding material	steel, stainless steel, aluminium		
Welding rate	up to 25 studs/minute (depending on application and stud diameter)		
Welding methods (acc. to DIN EN ISO 14555)	drawn arc (ceramic ferrule), short cycle	drawn arc (ceramic ferrule and inert gas), short cycle	
Welding current	400 A	680 A	900 A
Welding time	40-350 ms, continuously adjustable	5-950 ms, continuously adjustable	
Characteristics	<ul style="list-style-type: none"> ▪ light and handy, especially suitable for mobile use 	<ul style="list-style-type: none"> ▪ digital display of selected welding time 	
	<ul style="list-style-type: none"> ▪ protection of the unit in case of a fault on welding/control line cable and solenoid ▪ thermic controlled ventilator ▪ robust, powder-coated metal housing ▪ powder-coated front plate with screenprint (scratch and abrasion-resistant), ensures longtime readability of all labellings ▪ 50 mm² welding cable sockets in order to prevent burnt contacts ▪ automatic function test after switch-on ▪ stable fixing of welding cable sockets at own plug holder, prevents damage on housing caused by pulling of cable ▪ electromagnetic compatibility (EMC) tested ▪ CE conformity 		
Options	-	<ul style="list-style-type: none"> ▪ inert gas module for welding with inert gas for weld pool backing (can be retrofitted) ▪ automatic module to control an automatic stud feeding system and an automatic welding gun or an automatic welding head (can be retrofitted) 	
Power source	transformer/rectifier		
Mains plug	CEE 32 A		
Mains supply	400 V, 25 A, 50/60 Hz (special voltages optional)		400 V, 32 A, 50/60 Hz (special voltages optional)
Mains fuse external	25 AT		35 AT
Protection	IP 23		
Dimensions (WxHxL)	195x265x410 mm	280x250x450 mm	
Weight	27 kg	37 kg	37 kg
Item number	B-90-30-3032	B-90-30-3411	B-90-30-3413
Suitable welding guns	PHM-10 (PHM-110), PHM-12 (PHM-112), PHM-160 (PHM-161)	PHM-10 (PHM-110), PHM-12 (PHM-112), PHM-160 (PHM-161)	