



STUD WELDING TECHNOLOGY

UB LBH

STUD WELDING UNITS FOR DRAWN ARC AND SHORT CYCLE STUD WELDING



TECHNICAL DATA AND CHARACTERISTICS

	UB LBH 410	UB LBH 710	UB LBH 910
Welding method			
Drawn arc (ceramic ferrule)	x	x	x
Short cycle		x	x
Drawn arc (shielding gas)		o	o
Max. welding diameter (mm)			
Drawn arc (ceramic ferrule)	8	10	12
Short cycle		8	10
Drawn arc (shielding gas)		10	12
Welding current (A)	400	680	900
Welding time (mS)	40 - 350	5 - 950	5 - 950
Operation			
Repeat cycle lock	x	x	x
Electronic function control	x	x	x
Automatic function test	x	x	x
Shielding gas module		o	o
Automatic stud feeding		o	o
Error diagnosis systems			
Excess temperature	x	x	x
Phase failure	x	x	x
Damage on welding/control cable	x	x	x
Damage on solenoid	x	x	x
Thermic controlled ventilator	x	x	x
Robust, powder-coated metal housing	x	x	x
Dimensions			
Width (mm)	195	275	275
Height (mm)	260	260	260
Length (mm)	400	470	470
Weight (kg)	27	37	37
Electric connection			
Mains supply (V) at 50/60 Hz	400 (230/ 460)	400 (230/ 460)	400 (230/ 460)
Mains fuse external	25 AT	25 AT	35 AT
Mains plug CEE	32 A	32 A	32 A
Protection	IP 23	IP 23	IP 23
Control cable socket for welding guns	7-pin	7-pin	7-pin
Suitable welding guns			
PHM-10		x	x
PHM-12	x	x	x
PHM-160		o	o
PHM-161		o	o
GD 16		o	o
PHA-500		o	o
PHA-500-6		o	o

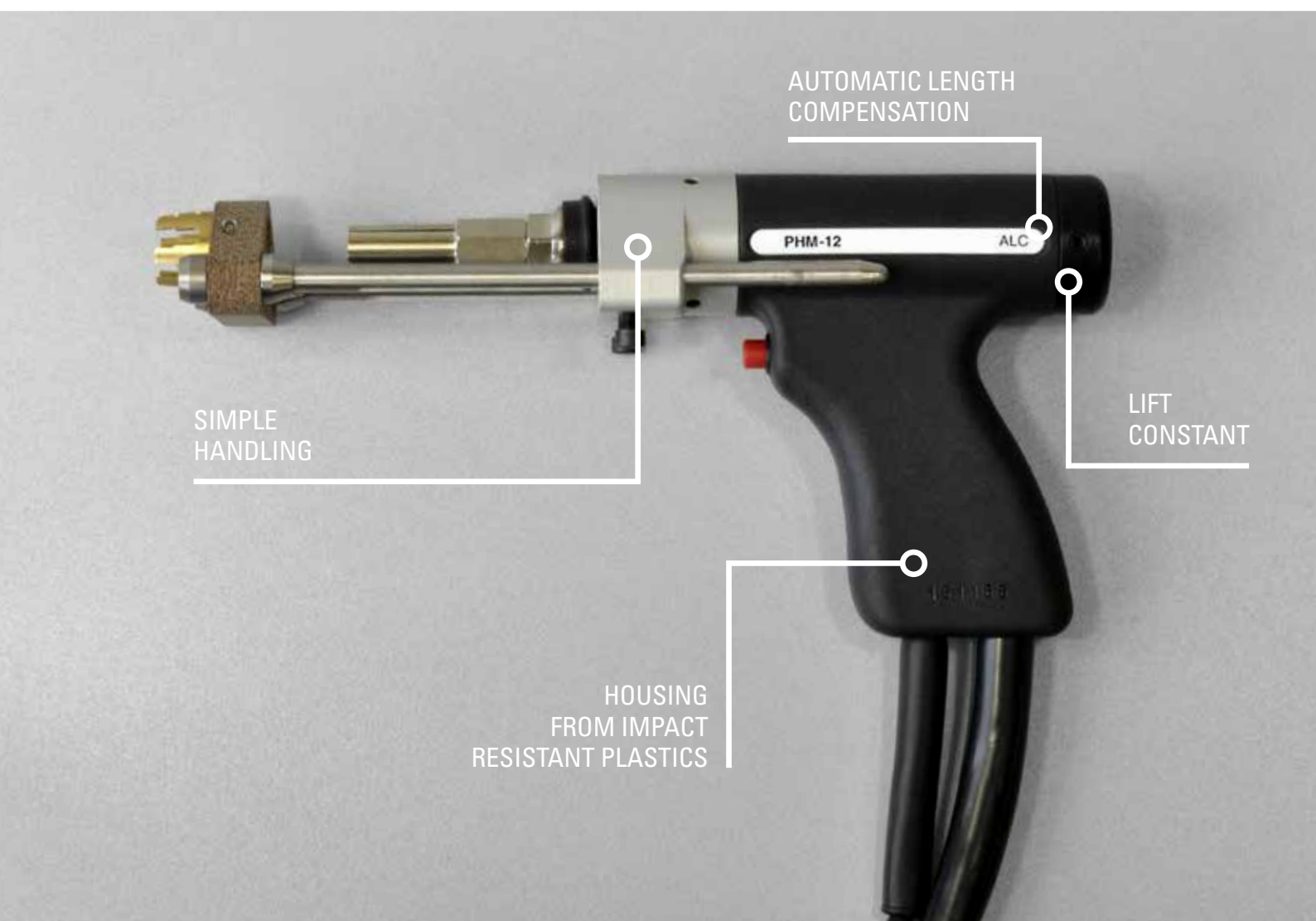
x – Standard, o – Option



STUD WELDING TECHNOLOGY

PHM

STUD WELDING GUNS FOR DRAWN ARC AND SHORT CYCLE STUD WELDING





TECHNICAL DATA AND CHARACTERISTICS

	PHM-10	PHM-12	PHM-160	PHM-161
Welding method				
Drawn arc (ceramic ferrule)		x	x	x
Short cycle	x			
Drawn arc (shielding gas)		o	o	o
Welding range (Ø mm)				
Drawn arc (ceramic ferrule)		3 - 12	3 - 16	3 - 16
Short cycle	2 - 10			
Drawn arc (shielding gas)		3 - 12	3 - 12	3 - 12
Lift (mm) constant	1,5	2	2	2
Hydraulic piston damper (continuously adjustable)				x
Piston guide				
Slide-bearing	x	x		
Linear ball track	o	o	x	x
Automatic length compensation	x	x	x	x
Welding cable				
-cross-section (mm ²)	35	35	50	50
-length (m)	5	5	5	5
Welding cable inside	x	x	x	x
Control cable plug	7-pin	7-pin	7-pin	7-pin
Housing from impact resistant plastics	x	x	x	x
Protection of piston guidance from welding spatters	x	x	x	x
Dimensions				
Width (mm)	40	55	67	67
Height (mm)	130	130	172	172
Length (mm)	183	173	255	255
Weight without cable (kg)	0,8	0,95	1,7	1,7

x – Standard, o – Option

