

**ASTRA EL – HIGH PRESSURE CLEANER ELECTRICALLY HEATED**

		<b>ASTRA EL18</b>	<b>ASTRA EL24</b>	<b>ASTRA EL30</b>
<b>Electrical connection</b>				
Voltage	V	400	400	400
Type of current	Hz	3 ~ 50	3 ~ 50	3 ~ 50
Max connected load	kW (A)	22 (30)	28 (40)	35 (50)
Protection (Fuse)	A	32	42	50
Connector	--	3P+T 32 A CEE	3P+T 63 A CEE	3P+T 63 A CEE
Protection degree	--	IPX5	IPX5	IPX5
Protection class	--	I	I	I
Max net impedance	Ohm	0.150	0.150	0.150
<b>Water connection</b>				
Temperature inlet (Max.)	°C	40	40	40
Flow inlet (Min.)	l/min	20	20	20
Pressure inlet (Max.)	Bar	10	10	10
<b>Performance</b>				
Flow rate max	l/min	10	12	15
Working pressure	Bar	30-160	30 - 160	40 - 160
Max pressure	Bar	170	170	170
Heating power	kW	18	24	30
Max water temperature	°C	90	90	90
Chemical suction max	l/min	0.6	0.6	0,6
Motorpump	Hp / Rpm	4 / 1400	5.5/ 1400	6.1 / 1400
Max. recoil trigger gun	N	16	16	17
Nozzles	--	025-03	03 - 035	04-045
<b>Noise emission (*)</b>				
Sound pressure $L_{pA}$	dB (A)	79	79	79
Uncertainty $K_{pA}$	dB (A)	3	3	3
Sound power $L_{WA}$ + Uncertainty $K_{WA}$	dB (A)	83	84	86
<b>Hand-arm vibration (*)</b>				
Hand spray gun	m/s <sup>2</sup>	1,7	1,8	1,9
Lance	m/s <sup>2</sup>	0.1	0.1	0.1
Uncertainty K	m/s <sup>2</sup>	0.3	0.3	0.3
<b>Additional liquids</b>				
Descaling solution (Optional)	L	1	1	1
Pump oil	L	1.8	1.8	1.8
Type of oil	--	SAE 15 W-40	SAE 15 W-40	SAE 15 W-40
<b>Dimensions and weights</b>				
LengthxWidthxHeight	mm	1060x700x1020	1060x700x1020	1060x700x1020
Weight	kg	105	105	115
Typical working weight	kg	120	120	130
Detergent tank	L	20	20	20

(\*) values according to IEC EN 60335-2-79

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