

## Energy Measurements

Machine:	30 A	
Manufacturer:	BOY	
Year of production:	2003	
Machine No.:	69163	
Mould:	pouring spout	
No. Of cavities:	8	
Sprue system:	Sprue	
Material:	DOW PELD 410 E	
Drying:	yes	no
Machine Data Sheet:	yes	no
	yes	no
Setting Data:	yes	no

Date of trial:	12.08.2009
Responsible:	H.Hirte/H.Bräuer
Meas. Instrument:	Amprobe DM II

Motor / Pump	7,5 KW	28 cm <sup>3</sup>
Heaters:	4 Zones	8,2 KW
Control:	Procan CT	
Screw dia...:	28 mm	
Nozzle:	open R35	
Part-/ Shotweight:	1,9 g	20,9 g
Mould temp. Ctrl.:	16 °C	16 °C
Melt temperature:	225 °C	

Injection time:	2,4 s
Houlding pres. Time:	5 s
Cooling time:	8,0 s
Cycle time:	23,8 s

				15 min	30 min	45 min	60 min
Pump / engine	Y	△	calculated	w/h	w/h	w/h	w/h
Heating + control	Y	△	calculated	w/h	w/h	w/h	w/h
<b>Machine total</b>	<b>Y</b>	<b>△</b>	<b>calculated</b>	<b>923 w/h</b>	<b>939 w/h</b>	<b>922 w/h</b>	<b>935 w/h</b>

Material throughput p.h.:	3,16 kg
Produktionoutput p.h.:	1210 pieces
Pump idle capacity:	KW/h
Pump capacity:	KW/h
Heating capcity:	KW/h

<b>Total consumption:</b>	<b>3,719 KW/h</b>
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