



Lotion, Round Bottles Project



Bottle Volume	Height	OD	Neck ID	Weight	Material	Estimated Cycle Time
20ml	57.8mm	21.8mm	11.7mm	11g	PET/PETG	12±2
40ml	74.6mm	32.9mm	11.9mm	20.5g	PET/PETG	12±2
60ml	100.8mm	44mm	12.2mm	31g	PET/PETG	12±2

Machine Specification

SUIMA

60 iB4



Screw diameter	mm	45	50
Injection volume	cm ³ / shot	215	264
Injection stroke	mm	140	140
Plasticizing rate	cm ³ / s	24	30
Screw L/D ratio	-	22	22
Preform clamp	kN	480	720
Blow mold clamp	kN	130	220
Press stroke	mm	145	180
Max. Die. set	mm	520 x 350	700 x 400
Trigger bar	mm	360	550
Dry cycle time	sec	3	3
Oil tank capacity	ℓ	160	160
Low compressed air	bar	6~10	6~10
High compressed air	bar	20~40	20~40
Air consumption	ℓ/min	500	700
Power supply	kW	39	45
L x W x H	m	4.4 x 1.8 x 2.5	4.6 x 2 x 2.8
Total weight	ton	7	10

- ◆ Power Consumption: 10.48 KW/hour
- ◆ Cavities: 12 CAV.
- ◆ **Maximum productivity (output qty): 32,000,000 PCS/Year**
- ◆ Energy Saving System: 50-70% electricity saving

SUMA
PLASTIC MACHINERY



85iB4 for making PET/PETG bottles
Bottle Capacity is from 3ml to 500ml



YOUR BEST CHOICE is
85 iB4 Injection Blow
Molding Machine



SAVE YOUR MONEY
Energy Saving
Material Saving
Cost Saving

Mould Specification

Mold Consists of		
Item	Description	Material
1	Parison cavity or block	420 stainless Steel
2	Parison neck insert or block	420 stainless Steel
3	Blow mold cavity or block	420 stainless Steel
4	Blow Mold neck insert or block	420 stainless Steel
5	Bottom Plug	420 stainless Steel
6	Parison Side Plates (4) per mold	Stainless Steel
7	Blow Mold Side Plates (4) per mold	Stainless Steel
8	Core rod assemblies	Stainless Steel
9	Parison Dieset (2)	Steel nickel-plated
10	Blow Mold Dieset (2)	Steel nickel-plated





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The Electricity Consumption Saving of Suma Machines-85iB4

Electricity Calculation is based on kw(kilowatt)

Power Consumption	Every Hour	Every Day(24hours)
	85iB4	85iB4
Power Consumption every hour(Unit: KW)	10.48	251.52
Water Temperature Controller(Unit: KW)	2.3	55.2
Water Chiller(Unit: KW)	0.9	21.6
3 in ONE Dryer (PET)	6.6	158.4
Total power consumption	20.28	486.72



85iB4 is your best choice!

Application: Cosmetic Containers
 Pharmaceutical Containers

Material: A range of plastic materials

Volume: 3ml~500ml

The power consumption for 85iB4 per 1 hour

Mascara: 8 caves, 10ml, PET, 10 seconds cycle time



With more energy consumption, more electricity consumption, electricity saving will be your best choice.

If you buy our set of machines, you just need to pay US\$ 1.7 per hour, US\$ 40.8 per day.

Peripheral Equipment

WATER TEMPERATURE CONTROLLER

Specification: 2EW-1402

1. Temperature Range: Cooling + 20°C~140°C
2. Temperature Accuracy: $\pm 0.1^{\circ}\text{C}$
3. Medium: Water
4. Heat Water Pump: 2HP (SPECK PUMP)
5. Pump Max. Flow: 100L/min
6. Pump Max. Pressure : 6 Kg
7. Heater Capacity: 9000 W
8. Electric Parts: Breakers, magnetic switch which using Japan-FUJI, and solenoid valve –Italy “O.D.E”.
9. Temperature Controller: Using “OMRON” P.I.D Japan auto calculation.
10. Heat Pipe System: Stainless without seam
11. Pipe Size: 1” PT
12. Drain: 3/8” PT
13. Cooling Pipe: 1/2” PT
14. Dimension: L 73* W 30* H 67 (cm)
15. Power Consumption: 4.5 kW

WATER CHILLER

Specification: KT-150G

1. Ice Water Temperature: 5-25 °C
2. Refrigerating Capacity: 15575 Kcal/ H
3. Compressor Horsepower: 5 HP
4. Pump horsepower: 3 HP
5. ICE Water Flow: 50-220 L/ min
6. ICE Water Pressure: 4.6~3.3 Bar
7. Dilatation Water Tank: 80 Liter
8. Ice Water Fitting Pipe: 1 – 1/4 inch
9. Cooling Water Fitting Pipe: 1 inch
10. Freon: R22
11. Size: L 90* W 58* H 116 (cm)
12. Weight: 250 Kg
13. Power consumption: 2kW

3 in ONE Dryer (PET)

Specification: SDR10-3M

- (1) Air Flow 100m³/HR
 - 1HP High pressure dryer blower
 - 1/2HP High pressure regenerative blower
 - 4.5KW Regenerative heating
 - Regenerative TEMP. displace
 - Dryer TEMP. displace
- (2) 100kgDry hopper
 - 3.5KW Heater
 - SUS304 Hopper body
- (3) Resin convey + Vacuum feeder
 - Blower 1.1KW*2
 - Filter-SUS Material
 - Window
 - Automatic Controller
- (4) -Power consumption: 6.35 kW.