

FULLY ELECTRIC

Stretch Blow Moulding Machine

FEATURES

- Fast and smooth servo-driven transferring system
- Low vibration and quiet servo-driven clamping system
- Servo-driven stretch rod assembly for convenient adjustment
- Featuring heating output compensation system
- Air recovery system to reuse the waste air

SERVO-ELECTRIC TECHNOLOGY :

■ High Precision ■ High Reliability ■ Energy-saving

TAIWAN



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PET ALL MANUFACTURING INC.

PHOENIX

L SERIES / T SERIES / W SERIES

C SERIES / E SERIES

CPSB / CSD

Chum Power





Chum Power
CHUMPOWER MACHINERY CORP.

PHOENIX series PET Stretch Blow Moulding Machine



PET Stretch Blow Moulding Machine

FEATURES

- Automated infeed, heating, and stretch blowing
- Patented preform chain design for easy maintenance and adjustment
- Heating system suitable for wide range of preform types
- Touch screen human-machine interface for easy operation
- Modular component design for easy maintenance
- Help end user to reduce production cost and increase competitive advantages
- Compact design for effective usage of floor space



Specification

		UNIT	CP5B-TS2000	CP5B-TS2000H	CP5B-TS3000	CP5B-T3000	CP5B-TS4000
Molding	Clamping force	kg	16000	16000	16000	48000	48000
	Clamping stroke	mm	130	130	110	160	130
	Stretching stroke	mm	320	320	240	350	320
	Bottom stroke	mm	50	50	50	50	50
	Cavity pitch	mm	114.3	114.3	76.2	152.4	114.3
	Number of preform holders	cavities	2	2	3	3	4
Container	Max. capacity	ltr	1.5	1.5	0.6	3	1.5
	Max. Neck diameter	mm	38	38	38	38	38
	Max. diameter ※ 1	mm	105	105	68	140	105
	Max. height	mm	320	320	240	350	320
	Carriage unit	pcs	38	38	57	54	72
Theoretical Output		B.P.H	2000	1000	3000	3000	4000
Electrical System	Number of oven	units	2	2	2	4	4
	Number of lamp	pcs	32	32	24	44	36
	Total power	kW	35	32	30	80	68
	Heating power	kW	32	28	27	75	63
	Max. heating power	kW	44	38	36	100	84
Air System	Operating pressure	kg/cm ²	7	7	7	7	7
	Air consuming	L/min	1800	1800	1800	2000	2000
	Blowing pressure	kg/cm ²	35	35	35	35	35
	Air consuming	L/min	2600	5000	2400	5000	5700
Chiller Water	Operating pressure	kg/cm ²	4	-	4	4	4
	Temperature	℃	5-25	-	5-25	5-25	5-25
	Consuming	kcal/hr	15120	-	15120	22682	22682
	Flow rate	L/min	75	-	75	100	100
Temp. Controller	Operating pressure	kg/cm ²	-	2-3	-	-	-
	Temperature	℃	-	60-180	-	-	-
	Consuming	kcal/hr	-	13760	-	-	-
	Flow rate	L/min	-	80	-	-	-
Cooling Water	Operating pressure	HP	4	4	4	4	4
	Temperature	℃	25	25	25	25	25
	Consuming	kcal/hr	39000	39000	39000	78000	78000
	Flow rate	L/min	130	130	130	260	260
Machine	Size(LxWxH)	mm	2400x2150x2500	2400x2150x2500	2400x2150x2500	4000x2150x2500	4000x2150x2500
	Weight	kg	2700	2700	2700	6500	6500
Remark	1. If mold thickness is less than 7mm, it is required to be made in stainless steel.						
	2. The actual output depends on the preform quality and bottle shape.						
	3. Specification are subject to change without notice.						



CP5B-TS4000H	CP5B-TS36000	CP5B-TS2000W	CP5B-TS4000W	CP5B-TS2000E	CP5B-TS2000WE	CP5B-T3000E	CP5B-TS4000E	CP5B-TS6000E
48000	48000	16000	48000	16000	16000	48000	48000	48000
130	110	130	130	130	130	160	130	110
320	240	320	320	320	320	350	320	240
50	50	50	50	50	50	50	50	50
114.3	76.2	114.3	114.3	114.3	114.3	152.4	114.3	76.2
4	6	2	4	2	2	3	4	6
1.5	0.6	1.5	1.5	1.5	1.5	3	1.5	0.6
38	38	63	63	38	63	38	38	38
105	68	105	105	105	105	140	105	68
320	240	320	320	320	320	350	320	240
72	108	38	72	38	38	54	72	108
2000	6000	2000	4000	2800	2400	4200	5600	8400
4	4	2	4	2	2	4	4	4
36	28	32	36	32	32	44	36	28
64	56	35	68	40	40	87	75	61
59	51	32	63	32	32	75	63	51
80	68	44	84	44	44	100	84	68
7	7	7	7	-	-	-	-	-
2000	2000	1800	2000	-	-	-	-	-
35	35	35	35	35	35	35	35	35
10000	4900	2600	5700	3200	2800	8200	6500	5800
-	4	4	4	4	4	4	4	4
-	5~25	5~25	5~25	5~25	5~25	5~25	5~25	5~25
-	22682	15120	22682	15120	15120	22682	22682	22682
-	100	75	100	75	75	100	100	100
2~3	-	-	-	-	-	-	-	-
60~180	-	-	-	-	-	-	-	-
27520	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-
4	4	4	4	4	4	4	4	4
25	25	25	25	25	25	25	25	25
78000	78000	39000	78000	39000	39000	78000	78000	78000
260	260	130	260	130	130	260	260	260
4000x2150x2500	4000x2150x2500	2400x2150x2500	4000x2150x2500	2400x2150x2500	2400x2150x2500	4000x2150x2500	4000x2150x2500	4000x2150x2500
6500	6500	2700	6500	2700	2700	6500	6500	6500

PHOENIX series



Features

Feeding System

- Top-mounted unscrambler for saving space
- Multiple protection devices for precise preform feeding and ejecting unqualified preforms
- Continuous preform feeding system (Same as CHUM POWER Rotary technology)

Transfer System

- Compact preform-chain pitch design for efficient heating and reduce energy consumption
- Horizontal rotation transfer system to eliminate preform flipping

Heating System

- Easy access for oven maintenance and lamp changing
- Cooling ramps throughout for maximum preform neck protection
- Excellent ventilation system to ensure cool preform surface
- Infrared heat sensor for preform temperature monitoring



L Series

Fully Electric and Continuous Heating System

Transfer and Variable Pitch System

- Servo driven preform transfer system with grips assembly mounted on timing belt
- Servo driven Variable Pitch System for quick transfer and precise preform locating

Blowing and Clamping System

- Servo driven clamping system with synchronized base mold operation

Pressure/ Blowing System

- Precision electromagnetic valves for fast responding time and high volume production

Control System

- Touch-panel control system for simple operation
- 10.4" LCD touch screen with 64k colors

Others

- Fully electric mechanism to ensure high-speed operation and precise locating
- Design for quick mold change
- Low energy consumption , low wear , low pollution





PET

Stretch Blow Moulding Machine



L Series

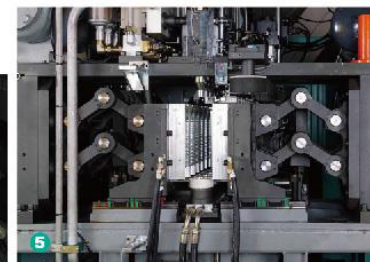
Fully Electric and Continuous Heating System

- ① Feeding System
- ② Transfer System
- ③ Heating System
- ④ Transfer and Variable Pitch System
- ⑤ Blowing and Clamping System

L series

can provide the bottles for :

Water, CSD, Juice, Teas,
Alcohol drinks, Oils, Sauces,
Ketchup, Cosmetics.



L SERIES SPECIFICATION

		UNIT	CPSB-L1G	CPSB-L2G	CPSB-LL4	CPSB-LS6	CPSB-LS6H	CPSB-LSS8	CPSB-LS8	CPSB-LS9	CPSB-LSS12	CPSB-LSS12H	CPSB-LS12	CPSB-LS14	CPSB-LSS16
MOLDING	Clamping force	kg	64000	64000	72000	64000	64000	64000	72000	72000	72000	72000	140000	140000	140000
	Clamping stroke	mm	380	280	205	130	130	110	130	110	110	110	130	130	130
	Stretch rod stroke	mm	500	480	350	350	350	350	350	350	350	350	360	350	350
	Base mold stroke	mm	50	50	50	50	50	50	50	50	50	50	50	50	50
	Cavity pitch	mm	-	280	240	114.3	114.3	76.2	120	106	80	80	120	106	80
	Number of cavity	cavities	1	2	4	6	6	8	8	9	12	12	12	14	16
CONTAINER	Spindle chain pitch	mm	90	90	76	50	50	38	50	38	38	38	50	38	38
	Max. capacity	ltr	12-20	4-12	6	2	1	0.6	2	1.5	0.6	0.6	2	1.5	0.6
	Neck inner diameter	mm	MAX 72	MAX 72	MAX 55	MAX 38	MAX 38	MAX 30/25	MAX 38	MAX 30/25	MAX 30/25	MAX 30/25	MAX 38	MAX 30/25	MAX 30/25
	Neck height	mm													
	Support-ring diameter	mm													
	Preform height	mm	450	350	50-150	50-150	50-150	50-100	50-150	50-150	50-100	50-100	50-150	50-150	50-100
THEORETICAL OUTPUT	Max. diameter	mm	340	240	180	105	85	68	110	95	70	70	110	95	70
	Max. height	mm	500	450	350	350	350	240	350	350	240	240	350	350	350
	B.P.H		900 (12L)	1800 (12L)	4000 (5L)	10200 (0.6L)	6000 (0.5L)	13600 (0.6L)	12000 (0.6L)	13500 (0.6L)	18000 (0.6L)	11800 (0.5L)	18000 (0.6L)	21000 (0.6L)	24000 (0.6L)
	Number of oven	units	6	6	8	6	6	6	8	8	8	8	10	10	10
	Number of lamp	pcs	96	96	80	54	54	36	72	72	48	48	90	90	60
	Total installed power	KW	110	110	224	152	154	109	202	202	146	146	259.7	262	155
ELECTRICAL SYSTEM	Max. heating power	KW	96	96	204	138	138	93	184	184	124	124	230	240	140
	Power supply	-	3P4W 400V+6%-10% 50/60Hz												
	Power consumption	KW	-	-	102 (5L)	38 (0.6L)	34 (0.6)	39 (0.6L)	44.2 (0.6L)	38 (0.6L)	50.4 (0.6L)	67.6 (0.5L)	66.3 (0.6L)	67.2 (0.6L)	67.2 (0.6L)
	Operating pressure	tg/cm ²	7	7	7	7	7	7	7	7	7	7	7	7	7
	Low pressure consumption	L/min	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	Blowing pressure	tg/cm ²	35	35	35	35	35	35	35	35	35	35	35	35	35
AIR SYSTEM	High pressure consumption	L/min	6700	13200	13300	10900	14000	9500	13200	14800	13700	28500	18400	23150	16800
	Operating pressure	tg/cm ²	4	4	4	4	-	4	4	4	4	-	4	4	4
	Temperature range	°C	10-12	10-12	10-12	10-12	-	10-12	10-12	10-12	10-12	-	10-12	10-12	10-12
	Consumption	kcal/hr	22682	22682	30242	33048	-	33048	30242	38880	30242	-	38880	38880	38880
	Flow rate	L/min	100	100	100	160	-	160	160	160	160	-	160	160	160
	Temperature range	°C	-	-	-	-	60-180	-	-	-	-	60-180	-	-	-
TEMP. CONTROLLER	Power	kw	-	-	-	-	24	-	-	-	-	48	-	-	-
	Control	-	-	-	-	-	18	-	-	-	-	36	-	-	-
	Operating pressure	tg/cm ²	4	4	4	4	4	4	4	4	4	4	4	4	4
	Temperature range	°C	25	25	25	25	25	25	25	25	25	25	25	25	25
	Consumption	kcal/hr	78000	78000	104000	78000	78000	78000	104000	104000	104000	104000	130000	130000	130000
	Flow rate	L/min	260	260	260	260	260	260	260	260	260	260	260	260	260
COOLING WATER	Size (L x W x H)	meter	5 x 4 x 3.7	5 x 4 x 3.7	7 x 2 x 3.5	5.8 x 2 x 3.5	5.8 x 2 x 3.5	5.8 x 2 x 3.5	7 x 2 x 3.5	7 x 2 x 3.5	7 x 2 x 3.5	7 x 2 x 3.5	9.5 x 4 x 3.5	9.9 x 2 x 4.2	9.7 x 2 x 4.2
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
MACHINE	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
REMARK	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
	Weight	kg	12000	12000	12000	9000	9000	9000	12000	12000	12000	12000	18000	20000	20000
1. If mold thickness is less than 7mm, it is required to be made in stainless steel. 2. The actual output depends on the preform quality and bottle shape. 3. Specification are subject to change without notice.															
															

Unceasing Pursuance of Technological Leadership

Chum Power's reputation for product excellence begins with our total dedication to research and development. Chum Power is an aggressive investor in the research and development of advanced technology. Every year, considerable capital has been spent in R&D. Over the years of efforts in R&D, Chum Power has won many patents and R&D awards. Based on our outstanding R&D capabilities, we are capable of offering the best possible machines to help our customers stay competitive, while creating more profits.

CPSB-CS1000



Features

Placing preform by manual for heating and bottle forming.
Simplified operation by MMI control panel.

PJ-2000W



Features

Auto preform feeding system suitable for different size of preform.
Suitable for post-inserting handle edible oil bottle.

PJ-4000W



CPSB-CSS9000E

Features

High speeds, energy-saving and high reliability of linear stretch blow moulding machine.



CPSB-CS4000



CPSB-CSS3000M

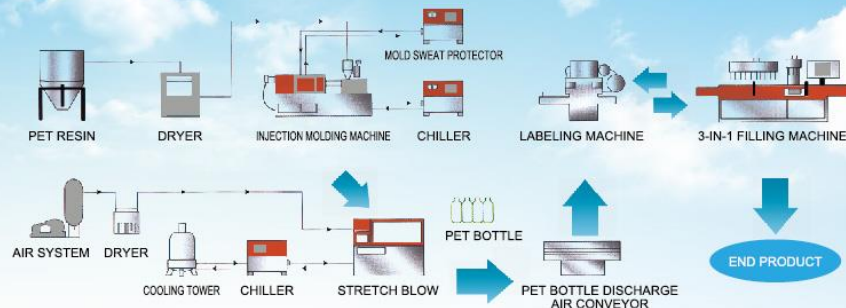
CPSB-CS6000

Features

Linear construction transports preform for heating and bottle forming.
Simplified operation by MMI control panel.



Flow Chart



Application

Foods, oil, carbonated drink, mineral water, alcohol, medicine, chemical, tennis ball jar and all kinds of bottles.



SPECIFICATION

		UNIT	CPSB-C1000	CPSB-C2000[M]	CPSB-C3000	CPSB-C4000	CPSB-CS1000
MOULDING	Clamping force	kg	20000	32000	48000	64000	11000
	Clamping stroke	mm	160	160	160	160	110
	Stretching stroke	mm	350	320	320	350	320
	Bottom stroke	mm	80	60	60	60	60
	Cavity pitch	mm	152.4	152.4	152.4	152.4	114.3
	Number of cavity	Cavities	1	2	3	4	1
CONTAINER	Max. container volume	ltr	3	3	3	3	1.5
	Neck diameter range	mm	18-45	18-38	18-38	18-38	18-38
	Max. container diameter	mm	130	130	130	130	95
	Max. container height	mm	350	320	320	350	320
	Carriage unit	pcs	29	45	54	60	29
	THEORETICAL OUTPUT	bph	700	1500	2250	3000	1200
ELECTRICAL SYSTEM	Total power	KW	35	58	68	91	15
	Heating power	KW	32	55	65	88	12
	Max.heating power	KW	46	78	92	125	17.5
AIR SYSTEM	Operating pressure	kg/cm ²	7	7	7	7	7
	Air consuming	ltr/min	1500	1500	2000	2000	1000
	Blowing pressure	kg/cm ²	35	35	35	35	32
	Air consuming	ltr/min	2100	3000	4000	4400	1400
	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4
	Temperature	°c	10-12	10-12	10-12	10-12	10-12
CHILLED WATER	Consuming	kcal/hr	5400	7600	7600	7600	5400
	Flow rate	ltr/min	30	45	45	45	30
	Operation pressure	kg/cm ²	-	-	-	-	-
	Temperature	°c	-	-	-	-	-
TEMP. CONTROLLER	Consuming	kcal/hr	-	-	-	-	-
	Flow rate	ltr/min	-	-	-	-	-
	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4
COOLING WATER	Temperature	°c	30	30	30	30	30
	Consuming	kcal/hr	30000	30000	45000	45000	12000
	Flow rate	ltr/min	100	100	150	150	40
MACHINE	Machine size	mm	2400×2150×2500	3500×1950×2500	4000×2150×2500	5350×2150×2500	1830×1100×2172
	Machine weight	kg	2500	3500	6500	7000	1200

- 1.All data standard indication for 0.6L bottle.
- 2.The actual output depends on the preformquality and bolite shape.
- 3.Specifications are subject to change without notice.
- 4.Please provide the stable temperature of air conditioner.

SPECIFICATION

		UNIT	CPSB-CS1000W	CPSB-CS2000	CPSB-CS2000W	CPSB-CSS3000	CPSB-CS4000	CPSB-CS4000W	CPSB-CSS6000	CPSB-CS6000	CPSB-C2000E	CPSB-CS2000E	CPSB-CS2000ME	CPSB-CS2000ME	CPSB-CSS3000E	CPSB-CSS3000ME	CPSB-CS4000E
MOULDING	Clamping force	kg	11000	16000	16000	16000	48000	48000	48000	60000	32000	16000	16000	16000	16000	16000	48000
	Clamping stroke	mm	110	110	110	110	140	140	120	140	160	110	110	110	110	110	120
	Stretching stroke	mm	240	320	320	240	320	320	240	320	320	320	320	320	240	240	320
	Bottom stroke	mm	80	80	80	80	50	50	50	50	60	50	80	80	50	80	50
	Cavity pitch	mm	136.2	114.3	114.3	76.2	114.3	114.3	76.2	114.3	152.4	114.3	114.3	114.3	76.2	76.2	114.3
	Number of cavity	Cavities	1	2	2	3	4	4	6	6	2	2	2	2	3	3	4
CONTAINER	Max. container volume	ltr	1.5	1.5	1.5	0.6	1.5	1.5	0.6	1.5	3	1.5	1.5	1.5	0.6	0.6	1.5
	Neck diameter range	mm	50-90	18-38	30-63	18-38	18-38	30-63	18-38	18-38	18-38	18-38	18-38	30-63	18-38	18-38	18-38
	Max. container diameter	mm	95	105	90	68	90	90	68	95	130	105	90	90	68	68	90
	Max. container height	mm	240	320	320	240	320	320	240	320	320	320	320	320	240	240	320
	Carriage unit	pcs	26	38	38	57	72	72	108	100	45	38	58	58	57	87	72
	THEORETICAL OUTPUT	bph	800	2000	1500	3000	4000	3200	6000	6000	1800	2800	1700	1400	3800	2250	5400
ELECTRICAL SYSTEM	Total power	KW	15	30	30	27	64	64	60	66	58	30	51	51	27	41	64
	Heating power	KW	12	27	27	24	59	59	55	61	55	27	48	48	24	38	59
	Max. heating power	KW	17.5	38	38	30	84	84	68	87	78	38	69	69	30	48	84
AIR SYSTEM	Operating pressure	kg/cm ²	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Air consuming	ltr/min	1000	1500	1500	2000	2000	2000	2000	2000	1500	1000	1000	1000	1500	1500	2000
	Blowing pressure	kg/cm ²	32	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	Air consuming	ltr/min	1400	2600	2600	2400	5700	5700	4900	8500	3800	3200	3200	3200	3100	3200	6000
CHILLED WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	Temperature	°C	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12
	Consuming	kcal/hr	5400	5400	5400	5400	7600	7600	7600	11400	7600	5400	5400	5400	5400	5400	10000
	Flow rate	ltr/min	30	30	30	30	45	45	45	68	45	30	30	30	30	30	45
TEMP. CONTROLLER	Operation pressure	kg/cm ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Consuming	kcal/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flow rate	ltr/min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOLING WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	Temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	Consuming	kcal/hr	12000	30000	30000	30000	45000	45000	45000	54000	39000	39000	39000	39000	39000	39000	45000
	Flow rate	ltr/min	40	100	100	100	150	150	150	180	100	130	100	100	130	100	150
MACHINE	Machine size	mm	1900×950×2172	2400×2150×2500	2400×2150×2500	2400×2150×2500	4000×2150×2500	4000×2150×2500	4000×2150×2500	5350×2150×2500	3500×1950×2500	2400×2150×2500	3000×2150×2500	3000×2150×2500	2400×2150×2500	3000×2150×2500	4000×2150×2500
	Machine weight	kg	1200	2500	2700	2300	6500	6500	6500	7000	3500	2700	3000	3000	3000	3000	6500

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SPECIFICATION

		UNIT	CPSB-CS4000WE	CPSB-CS6000E-II	CPSB-CS6000E-III	CPSB-CS6000E-II	CPSB-CS3000E-II	CPSB-CS310E	CPSB-CS10E	CPSB-C2000H	CPSB-C3000H	CPSB-CS2000H	CPSB-C4000H	CPSB-CS4000H	CPSB-CS6000H	CPSB-CS2000M	CPSB-CS2000MW
MOULDING	Clamping force	kg	48000	48000	48000	60000	60000	80000	100000	32000	48000	16000	64000	48000	60000	16000	16000
	Clamping stroke	mm	120	120	120	140	120	120	140	160	160	110	160	140	140	110	110
	Stretching stroke	mm	320	240	240	320	240	240	320	320	320	320	320	320	320	320	320
	Bottom stroke	mm	50	50	50	50	50	50	50	60	50	80	50	50	50	80	80
	Cavity pitch	mm	114.3	76.2	76.2	114.3	76.2	76.2	114.3	152.4	152.4	114.3	152.4	114.3	114.3	114.3	114.3
	Number of cavity	Cavities	4	6	6	6	9	10	10	2	3	2	4	4	6	2	2
CONTAINER	Max. container volume	ltr	1.5	0.6	0.6	1.5	0.6	0.6	1.5	3	3	1	2	1	1.5	1.5	1.5
	Neck diameter range	mm	30-63	18-38	18-38	18-38	18-38	18-30	18-30	18-38	18-38	18-38	18-38	18-38	18-38	18-38	30-63
	Max. container diameter	mm	90	68	68	95	68	68	90	130	130	90	130	90	90	90	90
	Max. container height	mm	320	240	240	320	240	240	320	320	320	320	320	320	320	320	320
	Carriage unit	pcs	72	108	108	102	153	282	270	45	54	38	60	72	100	58	58
ELECTRICAL SYSTEM	THEORETICAL OUTPUT	bph	4000	9000	9600	8000	12000	13000	10000	1000	1500	1000	2000	2000	3000	1400	1200
	Total power	KW	64	60	64	88	79	51	62	58	68	30	91	64	66	51	51
	Heating power	KW	59	55	59	83	74	49	60	55	65	27	88	59	61	48	48
	Max. heating power	KW	84	78	78	138	114	70	86	78	92	38	125	84	87	69	69
AIR SYSTEM	Operating pressure	kg/cm ²	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Air consuming	ltr/min	1500	1500	1500	1500	1500	1500	1500	2000	2000	1500	2000	2000	2000	1500	1500
	Blowing pressure	kg/cm ²	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	Air consuming	ltr/min	6000	6000	6200	9800	7400	8500	10000	7500	10000	5000	15000	10000	14000	2600	2600
CHILLED WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	-	-	-	-	-	-	2-4	2-4
	Temperature	°C	10-12	10-12	10-12	10-12	10-12	10-12	10-12	-	-	-	-	-	-	10-12	10-12
	Consuming	kcal/hr	10000	10000	10000	11400	11400	11400	16200	-	-	-	-	-	-	5400	5400
	Flow rate	ltr/min	45	45	45	60	60	90	90	-	-	-	-	-	-	30	30
TEMP. CONTROLLER	Operation pressure	kg/cm ²	-	-	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4	3-4	-	-
	Temperature	°C	-	-	-	-	-	-	-	130-140	130-140	130-140	130-140	130-140	130-150	-	-
	Consuming	kcal/hr	-	-	-	-	-	-	-	10800	10800	5400	10800	10800	16200	-	-
	Flow rate	ltr/min	-	-	-	-	-	-	-	160	160	60	160	160	240	-	-
COOLING WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	Temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	Consuming	kcal/hr	45000	45000	45000	54000	45000	50000	75000	30000	45000	30000	45000	45000	54000	30000	30000
	Flow rate	ltr/min	150	150	150	150	150	160	160	100	150	100	150	150	180	100	100
MACHINE	Machine size	mm	4000×2150×2500	4000×2150×2500	4000×2150×2500	5450×2150×2500	5450×2150×2500	5690×2250×3200	6100×2250×3200	3500×1950×2500	4000×2150×2500	2400×2150×2500	5350X2150X2500	4000×2150×2500	5350×2150×2500	3000×2150×2500	3000×2150×2500
	Machine weight	kg	6500	6500	6500	7000	7000	10000	12000	3500	6500	2500	7000	6500	7000	3000	3000

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SPECIFICATION

		UNIT	CPSB-CSS3000M	CPSB-CSS3000M	CPSB-CSS6000M	CPSB-CSS2000	CPSB-CSS54000	CN-C1000	CN-C1000W	PJ-2000L-II	PJ-2000W	PJ-2000LE-II	PJ-2000WE	PJ-4000LE	PJ-2000LE	PJ-3000LE	PJ-6000LE
MOULDING	Clamping force	kg	16000	32000	48000	5500	5500	13000	13000	30000	30000	30000	30000	70000	70000	70000	105000
	Clamping stroke	mm	110	110	120	80	80	175	175	220	220	220	220	210	245	210	210
	Stretching stroke	mm	240	320	240	150	150	320	240	320	320	320	320	350	420	350	350
	Bottom stroke	mm	80	60	50	60	60	60	60	60	60	60	60	60	50	50	50
	Cavity pitch	mm	76.2	114.3	76.2	60	60	190.5	190.5	225	225	225	225	190.5	266.7	228.6	190.5
	Number of cavity	Cavities	3	3	6	2	4	1	1	2	2	2	2	4	2	3	6
CONTAINER	Max. container volume	ltr	0.6	1.5	0.6	0.2	0.2	5	5	5	5	5	5	6	10	6	6
	Neck diameter range	mm	18-38	18-38	18-38	18-30	18-30	30-63	100-120	30-50	50-120	30-50	50-120	30-50	30-50	30-50	30-50
	Max. container diameter	mm	68	90	68	50	50	160	160	165	165	165	165	175	210	175	175
	Max. container height	mm	240	320	240	150	150	320	240	320	320	320	320	350	420	350	350
	Carriage unit	pcs	87	68	108	56	102	26	26	66	42	66	42	118	118	114	146
	THEORETICAL OUTPUT	bph	2100	2100	4500	2000	4000	700	700	1200	1200	1300	1300	3200	1200	2200	4800
ELECTRICAL SYSTEM	Total power	KW	41	63	83	10	20	35	23	59	56	59	50	70	75	70	83
	Heating power	KW	38	59	78	9	18	33	21	56	80	56	46	64.5	70	64.5	77.5
	Max.heating power	KW	48	84	98	11.5	23	42	26	80	66	80	66	107.5	155	107.5	129
AIR SYSTEM	Operating pressure	kg/cm ²	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	Air consuming	ltr/min	1800	1500	2000	1000	1000	1000	1000	1500	1500	1500	1500	1000	1000	1000	1000
	Blowing pressure	kg/cm ²	35	35	35	35	35	30	30	35	35	35	35	35	35	35	35
	Air consuming	ltr/min	2400	3000	4900	1500	1900	1500	1500	3100 (4500)	3100 (4500)	3100 (4500)	3100 (4500)	7000	6000	6000	10000
CHILLED WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	Temperature	°C	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12
	Consuming	kcal/hr	5400	7600	7600	5400	5400	2700	2700	5400	5400	5400	5400	11400	11400	11400	11400
	Flow rate	ltr/min	30	45	45	30	30	45	45	45	45	45	45	90	90	90	90
TEMP. CONTROLLER	Operation pressure	kg/cm ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Temperature	°C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Consuming	kcal/hr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flow rate	ltr/min	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOLING WATER	Operation pressure	kg/cm ²	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	Temperature	°C	30	30	30	30	30	25	25	30	30	30	30	30	30	30	30
	Consuming	kcal/hr	30000	30000	45000	12000	12000	30000	30000	30000	30000	30000	39000	30000	30000	30000	30000
	Flow rate	ltr/min	100	100	150	40	40	100	100	100	100	100	130	100	100	100	100
MACHINE	Machine size	mm	3000×2150×2500	3900×1950×2500	4000×2150×2500	1830×940×1455	2900×1190×1455	2550×1200×2200	2550×1200×2200	3070×2090×2500	3000×2500×2500	3070×2090×2500	3000×2500×2500	4750×2050×2500	4750×2185×2650	4750×2050×2500	6050×2400×2700
	Machine weight	kg	3000	6000	6500	1000	1500	2000	2000	4000	4000	4000	4000	8500	8500	8500	12500

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