

TDB SERIES · EXTRUSION BLOW MOLDING

TDB-25A

Accumulator-head extrusion blow molding for products up to 25 L, with a 4 L accumulator head and a stationary mold.



The TDB series is Tongda's stationary-mold accumulator-head range for drums and larger hollow products. According to the 2026 catalogue, its high-output extrusion system gives uniform plasticizing and fast color and material changes, and its hydraulic servo energy-saving system lowers operating costs. Share your product drawing to discuss the mold, head arrangement and handling requirements.

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Years of industry experience

100+

Countries and regions served

1,200+

Machines and systems built per year

10,000+

Machines and systems supplied

The figures reproduce the published configuration of this model. Installed power is connected equipment power, not measured consumption; output depends on product, resin and cycle. Final configuration is confirmed in the quotation.

STATIONS	MAX. VOLUME	CLAMPING FORCE	TOTAL POWER
Single	25 L	215 kN	91.7 kW

SPECIFICATIONS

Stations	Single
Max. product volume	25 L
Dry cycle	600 pc/h
HDPE output	110 kg/h
Accumulator head capacity	4 L
Machine weight	11,000 kg
Machine dimensions (L × W × H)	4.9 × 2.6 × 3.5 m
Clamping force	215 kN
Screw diameter	80 mm
Total installed power	91.7 kW
Maximum mold size (W × H)	550 × 650 mm

IN THIS DATASHEET

- 1 Overview and key specifications this page
- 2 2026 catalogue specification catalogue pp. 33–34

REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.
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CE

TDB储料式固定开合模系列

TDB SERIES STATIONARY MOLD ACCUMULATOR HEAD BLOW MOLDING MACHINES

性能和优点

- 采用高产量挤出系统，塑化均匀，换色换料速度快；
- 配备液压伺服控制系统，有效降低能耗成本；
- 产出的制品稳定性高，精准可靠。

PERFORMANCE AND ADVANTAGES

- Equipped with a high-output extrusion system for uniform plasticization and rapid color/material changeover;
- Hydraulic servo-controlled energy-saving system slashes operational costs;
- Ensures high stability and precision in produced parts.



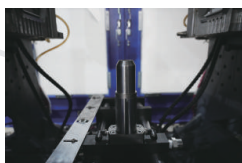
TDB-10A (挤出中空吹塑设备)
ACCUMULATOR
EXTRUSION BLOW MOLDING MACHINE



TDB-80A (挤出中空吹塑设备)
ACCUMULATOR
EXTRUSION BLOW MOLDING MACHINE



电气系统
Electrical System



吹针系统
Blow Pin System



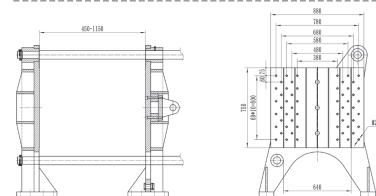
电脑控制系统
Digital Control System

技术参数 TECHNICAL PARAMETER

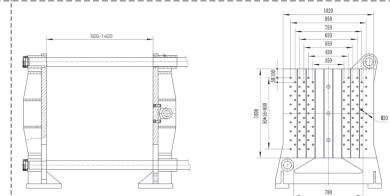
项目/ITEM	单位/UNITS	机型/MODEL			
机型 Model		TDB-10A	TDB-25A	TDB-50A	TDB-80A
基本参数 Specification					
工位数 Station	/	单Single	单Single	单Single	单Single
制品最大容积 Max. Product Volume	L	10	25	50	80
空循环 Dry Cycle	pc/h	600	600	400	240
HDPE塑料挤出量 Output of HDPE	kg/h	85	110	130	160
机器重量 Weight of Machine	T	5	11	14	16
机器外形尺寸 Size of Machine	m,LxWxH	4.1x1.9x3.2	4.9x2.6x3.5	5.9x2.9x4.1	6.6x3x4.4
模头 Die Head					
最大口模直径 Max. Die Diameter	mm	180	300	350	420
模头加热段数 Die Head Heating Zone	/	4	5	6	6
储料量 Capacity of Accumulator Head	L	2	4	6.6	12.8
模头加热功率 Die Head Heating Power	kW	10.5	17.7	24.5	30
开合模系统 Clamping Unit					
开合模行程 Platen Distance	mm	410-800	350-880	450-1150	500-1400
锁模力 Clamping Force	kN	110	215	260	440
挤出系统 Extruder Unit					
螺杆直径 Screw Diameter	mm	70	80	90	100
螺杆长径比 Screw Length/Diameter Ratio	/	25:1	25:1	25:1	25:1
螺杆加热功率 Screw Heating Power	kW	13.2	19	17.4	21
螺杆加热区段 No. of Heating Zone (Screw)	/	3	4	4	4
螺杆电机功率 Screw Motor Power	kW	22	30	37	45
动力系统 Power Unit					
油泵电机功率 Hydraulic Pump Driving Power	kW	12.5+4	21+4	21+4	31.5+4
装机总功率 Total Power	kW	63.2	91.7	103.9	131.5
备注 Remarks					
气体用量 Air Consumption	m ³ /min	0.6	0.8	1	1.6
吹气压力 Blow Pressure	MPa	0.6	0.6	0.6	0.6
冷却水压力 Cooling Water Pressure	MPa	0.3	0.3	0.3	0.3
用水量 Water Consumption	L/min	50	60	65	100
模具最大尺寸 Max. Size of Mold	mm,WxH	480x530	550x650	700x950	800x1000
制品及模版图 Product & Formwork Drawing					



TDB-25A (挤出中空吹塑设备)



TDB-50A (挤出中空吹塑设备)



TDB-80A (挤出中空吹塑设备)

*备注：以上参数仅供参考，可根据客户需求量身定制。

Note: The parameters above are just for reference, which can be designed by your requirements.