TDB SERIES · EXTRUSION BLOW MOLDING

TDB-50F

Accumulator-head extrusion blow molding for 20–50 L products, with bottom blowing and a servo motor.

Tongda designs and manufactures the main machine components and offers project-specific configurations. Share your bottle or part drawing to discuss the mold, head arrangement and handling requirements.

27 Years of industry experience

100+ Countries and regions served

1,200+ Machines and systems built per year

10,000+ Machines and systems supplied

STATIONS	MAX. VOLUME	CLAMPING FORCE	TOTAL POWER
Single	50 L	260 kN	103.9 kW

SPECIFICATIONS

Stations	**Single**
Max. product volume	**50 L**
Dry cycle	**400 pc/h**
HDPE output	**130 kg/h**
Machine weight	**14,000 kg**
Machine dimensions (L × W × H)	**5.9 × 2.9 × 4.1 m**
Clamping force	**260 kN**
Screw diameter	**90 mm**
Total installed power	**103.9 kW**
Maximum mold size (W × H)	**700 × 950 mm**

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1 Overview and key specifications
this page

2 2026 catalogue specification
catalogue pp. 33–34, listed as TDB-50A

REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.
tongdamachinery.com/contact
Tel. +86 512 5637 0112

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.

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www.tongdamachinery.com/product/tdb-50f/

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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

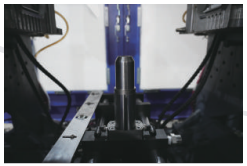
性能和优点
- 采用高产量挤出系统，塑化均匀，换色换料速度快；
- 配备液压伺服控制节能系统，有效降低能耗成本；
- 产出的制品稳定性高，精准可靠。

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

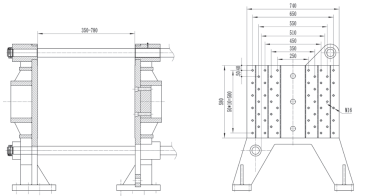


吹针系统
Blow Pin System

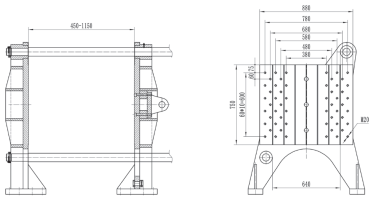
电脑控制系统
Digital Control System

技术参数 TECHNICAL PARAMETER

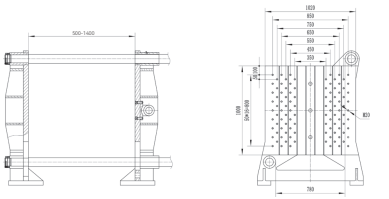
项目/ITEM	单位/UNITS	机型/MODEL			
机型 Model		TDB-10A	TDB-25A	TDB-50A	TDB-80A
基本参数 Specification					
工位数 Station	/	单Single	单Single	单Single	单Single
制品最大容积 Max. Product Volume	L	10	25	50	80
空循环 Dry Cycle	pc/h	600	600	400	240
HDPE塑料挤出量 Output of HDPE	kg/h	85	110	130	160
机器重量 Weight of Machine	T	5	11	14	16
机器外形尺寸 Size of Machine	m,L×W×H	4.1×1.9×3.2	4.9×2.6×3.5	5.9×2.9×4.1	6.6×3×4.4
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,W×H	480×530	550×650	700×950	800×1000
制品及模板图 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.