TDB SERIES · EXTRUSION BLOW MOLDING

TDB-160B

Accumulator-head extrusion blow molding for 120–160 L drums and large containers, with an 18 L accumulator head.

TDB-160D shown

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.

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	160 L	740 kN	176.5 kW

SPECIFICATIONS

Stations	**Single**
Max. product volume	**160 L**
Dry cycle	**120 pc/h**
HDPE output	**220 kg/h**
Accumulator head capacity	**18 L**
Machine weight	**23,000 kg**
Machine dimensions (L × W × H)	**7 × 3.4 × 4.8 m**
Clamping force	**740 kN**
Screw diameter	**100 mm**
Total installed power	**176.5 kW**
Maximum mold size (W × H)	**900 × 1450 mm**

IN THIS DATASHEET

1 Overview and key specifications
this page

2 2026 catalogue specification
catalogue pp. 35–36

REQUEST A QUOTATION

Send your product drawing or sample, resin, volume, weight and hourly output target.
tongdamachinery.com/contact
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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-160b/

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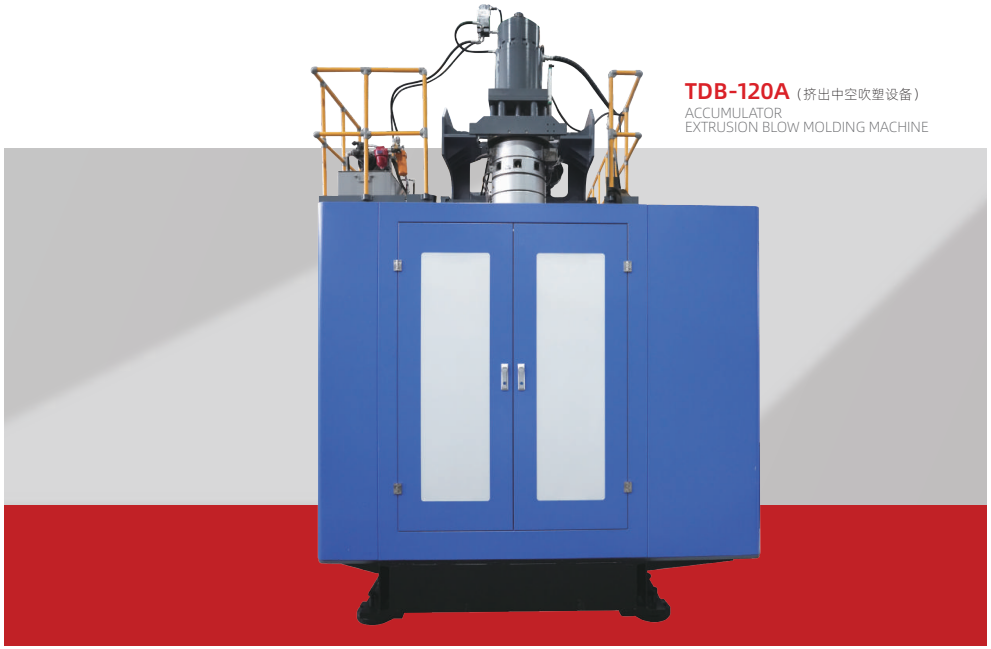
CE

TDB储料式固定开合模系列

TDB SERIES STATIONARY MOLD ACCUMULATOR HEAD BLOW MOLDING MACHINES



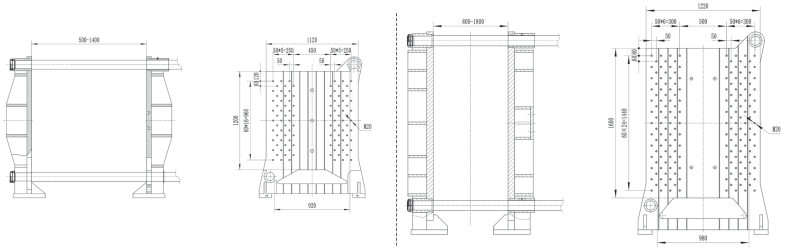
TDB-120A（挤出中空吹塑设备）
ACCUMULATOR
EXTRUSION BLOW MOLDING MACHINE

开合模
Platen

机械手
Robot Arm

技术参数 TECHNICAL PARAMETER

项目/ITEM	单位/UNITS	机型/MODEL		
机型 Model		TDB-120A	TDB-160B	TDB-160D
基本参数 Specification				
工位数 Station	/	单Single	单Single	单Single
制品最大容积 Max. Product Volume	L	120	160	160
空循环 Dry Cycle	pc/h	120	120	120
HDPE塑料挤出量 Output of HDPE	kg/h	160	220	300
机器重量 Weight of Machine	T	20	23	26
机器外形尺寸 Size of Machine	m,L×W×H	6.8×3.4×4.5	7×3.4×4.8	7.2×3.4×5.8
模头 Die Head				
最大口模直径 Max. Die Diameter	mm	420	550	680
模头加热段数 Die Head Heating Zone	/	6	6	6
储料量 Capacity of Accumulator Head	L	12.8	18	28
模头加热功率 Die Head Heating Power	kW	30	40	51.5
开合模系统 Clamping Unit				
开合模行程 Platen Distance	mm	500-1400	500-1600	800-1800
锁模力 Clamping Force	kN	740	740	740
挤出系统 Extruder Unit				
螺杆直径 Screw Diameter	mm	100	100	120
螺杆长径比 Screw Length/Diameter Ratio	/	25:1	28:1	28:1
螺杆加热功率 Screw Heating Power	kW	21	26	31
螺杆加热区段 No.of Heating Zone (Screw)	/	4	5	5
螺杆电机功率 Screw Motor Power	kW	45	75	90
动力系统 Power Unit				
油泵电机功率 Hydraulic Pump Driving Power	kW	31.5+4	31.5+4	31.5+11
装机总功率 Total Power	kW	131.5	176.5	215
备注 Remarks				
气体用量 Air Consumption	m^3/min	1.6	1.6	1.6
吹气压力 Blow Pressure	MPa	0.6	0.6	0.6
冷却水压力 Cooling Water Pressure	MPa	0.3	0.3	0.3
用水量 Water Consumption	L/min	180	180	180
模具最大尺寸 Max.Size of Mold	mm,W×H	900×1450	900×1450	1000×1900
模板图 Formwork Drawing				



TDB-120A/160F（挤出中空吹塑设备） TDB-160D（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.