

Quotation and Specification

PP melt-blown fabric extrusion line

General description:


1. Product size: PP melt blown fabric with width at 600mm (after trimming 17m*3)
2. Main Material: PP compounding material
3. Extruder type: SJ65/33 single screw extruder
4. Output capacity: 350-400kg/24hour
5. Electric power supply: 3phase, 380V;50Hz
6. Additional equipment:
 - Vacuum feeder
 - Raw material dryer
 - Mesh manual filter
 - T-mould for melt blown fabric
 - Static electrical discharge equipment
 - Belt type forming 850mm
 - Collecting device
 - Winder and slitting

Content list

Equipment components:

- (1) Vacuum loader and hopper dryer
- (2) SJ65/33 single screw extruder
- (3) Heating oven for hot air
- (4) Extrusion T-mold
- (5) Forming device
- (6) Winder &slitting system
- (7) oil free air compressor

(1) Automatic vacuum loader and hopper dryer---1 set

NO	Description	Unit	ZJ-400
			
Uses: feeding PP material into extrusion machine			
1	Transfer method	Vacuum suction	
2	Vacuum loader power	0.75kw	
3	Heating powe	6kw	
4	Capacity	100 Kg/h	

(2) SJ65/33 single screw extruder


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Screw	Diameter(mm)	65mm
	L/D	33/1
	Screw Rotating speed (r/min)	30-60
	Material	38CrMoAlA, Nitrogen treated
	Heating	Ceramic heating heater with stainless steel outer cover
	Heating segments	6 heating zone on barrel
	Heating power	18kw
Barrel	Barrel type	With feeding groove; Water cooling inlet orifice
	Cooling ways on barrel	Air Cooling by blower, temperature control accuracy: $\pm 2^{\circ}\text{C}$
	Cooling segment	6 air cooling segments
	Material of screw barrel	38CrMoAlA, Nitrogen treated
Transmission system	Main motor power (KW)	22kw
	Speed adjusting mode of main motor	ABB/Siemens frequency conversion
	Rotating speed of main motor (r/min)	1500r/min
	Gear box	Hard tooth face Shaft: NSK of Japan Material of gear: 20CrMnTi

(3) Heating oven for compressing air


Item	Description	Remarks
1	Heating Power	40kw
2	Material of air drums	Stainless steel 304
3	Temperature control ways	Automatic control by temperature controller
4	Material of heater	Made by high quality 316 stainless steel

Item	Description	Unit	remarks
			
1	Heating Power	*KW	
2	Material of Mold body	SUS630,Japan	
3	Material of heater	High quality aluminum heater	
4	Width of mold	600mm	

(5) Belt type forming and collecting device


Item	Description	Remarks
		
1	Mesh belt width	800mm
2	Motor power	0.75kw --speed control by inverter
3	Suction fan for cooling	4kw --speed control by inverter
4	Main frame material	Aluminum alloy
5	With suction fan to make melt blown fabric surface more smooth	

Static electric equipment

	
Main purpose: to insert the static electric on PP melt blown cloth	
Input current : 0—100UA	
Working voltage : 220V+10% 50HZ/60HZ	

Working temperature : -15°C ~ 50°C
Static electric high voltage generator :120KV
Working width:800mm
Maximum power consumption : 40W

(6) Winder and slitting system

Item	Description	Remarks
		

1	Winder power	1.5kw
2	Max. winding width	800mm
3	Online slitting power	By alloy material blade
4	Shaft material	Aluminum alloy
5	Speed control	By inverter
6	With electrode processing device	

(7) air compressor

Item	Description	Unit	Remarks
			

This machine mainly used for wrapping packing the corrugated pipe with plastic film

1	Motor power	kw	30kw
2	Working ways	/	Screw type and oil free
3	Working pressure	Mpa	0.8
4	Capacity	m ³ /min	5
5	Control ways	/	By inverter
6	Noise	/	Silent type

PART B : AIR DRYER



1	Processing Capacity	m3/min	3.0
2	Power capacity	HP	50HP
3	Working pressure	Mpa	0.4Mpa-0.5Mpa
1	Volume	m3	1.5
2	Size	mm	2274*850mm
1	Processing Capacity	m3/min	3.0

(8) Oven for clean the mold

Item	Description	Remarks

1	Oven power	6kw
2	Material of heating oven	Stainless steel 304
3	Working temperature	500degree
4	Inner dimension	45*55*55cm
5	Working voltage	220V