Tetra Pak

English

Tetra Pak Processing Equipment

Technical Data for homogenizer

Machine No.:	Model:
5870918112	Tetra Pak Homogenizer 300

General:

Capacity:	Working pressure:	Total weight:
3500-7000 l/h	250 bar	4595 kg
Altitude:	**Ambient temperature:**	**Noise reduction:**
100 m	40 °C	22. [ ]

Wetend design:

Piston diameter:	Piston design:	Piston packing:	Valve design:	Valve seat:
56 mm	[ ] Stainless steel	[ ] PSB1	42. [X] Mushroom	[X] Stainless steel
	2. [X] Chromium plated	[ ] PSB3	34. [ ] Cone	35. [ ] Cobalt carbide
	45. [ ] Case hardened	4. [ ] PSA1	39. [ ] TD	
	37. [ ] Solid Ceramic	4. [X] PSU1	1. [ ] Ball	

Pump version:

[ ] Pump
40. [ ] Pump with one stage
41. [ ] Pump with two stages

Homogenising device design:

Size of 1st stage:	Size of 2nd stage:	Wide gap:	Abrasive device design:	Split head:	Outlet flange for 20-60 bar:
49/58	49/58	33. [ ]	10. [ ]	8. [ ]	9. [ ]

Drive motor:

Manufacture:	Model:	Revolution:	Protection:	Thermistor:	Weight:
Siemens	1LE15012DB033AB4-Z	1485 rpm	IP55	<7.5 V DC	570 kg
Power:	**Voltage:**	**Frequency:**	**Full load current:**	**Starting current:**	
75 kW	380 D V	50 Hz	139 A	1009 A	

Hydraulic motor:

Manufacture:	Model:	Revolution:	Protection:
Siemens	1LE10010CB233FA4	1395 rpm	IP55
Power:	**Voltage:**	**Frequency:**	**Rated current:**
0,25 kW	380 D V	50 Hz	0,8 A

Pressure lubrication motor:

Manufacture:	Model:	Revolution:	Protection:
Siemens	1LE10030DC333JA4	935 rpm	IP55
Power:	**Voltage:**	**Frequency:**	**Rated current:**
0,55 kW	380 D V	50 Hz	1,62 A

Drive unit:

V-belt type:	Number of tracks:	Motor pulley diameter:	Gearbox pulley diameter:	V-belt length:	Belt tension (New/Used):
XPC	4	200 mm	500 mm	2500 mm	1068/929 N (47,3/44,1 Hz)

Gearbox:

Manufacture:	Model:	Reduction:
SEW	X2FA130/T	5,05

Oil:

Crankcase:	Viscosity:	Gearbox:	Viscosity:	Hydraulic unit:	Viscosity:
[X] Mineral type	220 cSt	[X] Mineral type	320 cSt	[ ] Mineral type	68 cSt
[ ] Synthetic type		[ ] Synthetic type		[ ] Synthetic type	
[ ] Food Grade type		[ ] Food Grade type		[X] Food Grade type	

Cooling water supply:

Pressure:	Consumption:	Temperature:	Hardness:
2-4 bar	625 l/h	<25 °C	<10 °dH

Steam supply:

Pressure:	Consumption:
2-4 bar	25 kg/h

Condensate:

Temperature:
105-110 °C

Automation:

Cooling water valve pneumatic:	Remote on/off setting of hydraulic pressure:	Remote indication of product pressure:
11. [X]	18. [X]	14. [ ] 1st stage 38. [X] 1st + 2nd stage
Machine control:	**Inlet pressure transmitter:**	**Remote continuous setting of hydraulic pressure:**	**Remote indication of hydraulic pressure:**
28. [ ]	48. [ ]	20. [ ]	16. [ ]

Date:	Sign:	Revision:
2018-06-11	TP	1