



English

Tetra Pak Processing Components AB**Technical Data for homogenizer**

Machine No.: 5856935137	Model: Tetra Pak Homogenizer 200
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General:

Capacity: 1000-3000 l/h	Working pressure: 200 bar	Total weight: 1320 kg
Altitude: 1000 m	Ambient temperature: 40 °C	Noise reduction: 22 <input type="checkbox"/>

Wetend design:

Piston diameter: 45 mm	Piston design: <input type="checkbox"/> Stainless steel 2. <input checked="" type="checkbox"/> Chromium plated 45. <input type="checkbox"/> Case hardened 37. <input type="checkbox"/> Solid Ceramic	Piston packing: <input type="checkbox"/> PSB1 <input checked="" type="checkbox"/> PSB3 4. <input type="checkbox"/> PSA1 4. <input type="checkbox"/> PSU1	Valve design: 42. <input type="checkbox"/> Mushroom 34. <input type="checkbox"/> Cone 39. <input checked="" type="checkbox"/> TD	Valve seat: <input type="checkbox"/> Stainless steel 35. <input type="checkbox"/> Cobalt carbide	Pump version: <input type="checkbox"/> Pump 40. <input type="checkbox"/> Pump with one stage 41. <input type="checkbox"/> Pump with two stages
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Homogenising device design:

Size of 1st stage: 45/54	Size of 2nd stage: 45/54	Wide gap: 33. <input type="checkbox"/>	Abrasive device design: 10. <input type="checkbox"/>	Split head: 8. <input type="checkbox"/>	Outlet flange for 20-60 bar: 9. <input type="checkbox"/>
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Drive motor:

Manufacture: Siemens	Model: 1LE1503 180L 4 IE3	Revolution: 1470 rpm	Protection: IP55	Thermistor: <7.5 V DC	Weight: 170 kg
Power: 22 kW	Voltage: 400 D V	Frequency: 50 Hz	Full load current: 41 A	Starting current: 279 A	

Hydraulic motor:

Manufacture: Siemens	Model: 1LA9070 71M 4	Revolution: 1410 rpm	Protection: IP55
Power: 0,25 kW	Voltage: 400 D V	Frequency: 50 Hz	Rated current: 0,81 A

Pressure lubrication motor:

Manufacture:	Model:	Revolution: rpm	Protection:
Power: kW	Voltage: V	Frequency: Hz	Rated current: A

Drive unit:

V-belt type: XPB	Number of tracks: 3	Motor pulley diameter: 140 mm	Gearbox pulley diameter: 315 mm	V-belt length: 1700 mm	Belt tension (New/Used): 637/425 N (55,0/44,9 Hz)
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Gearbox:

Manufacture: Benzlers	Model: BT-51	Reduction: 5,76
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Oil:

Crankcase: <input checked="" type="checkbox"/> Mineral type <input type="checkbox"/> Synthetic type <input type="checkbox"/> Food Grade type	Viscosity: 220 cSt	Gearbox: <input checked="" type="checkbox"/> Mineral type <input type="checkbox"/> Synthetic type <input type="checkbox"/> Food Grade type	Viscosity: 320 cSt	Hydraulic unit: <input type="checkbox"/> Mineral type <input type="checkbox"/> Synthetic type <input checked="" type="checkbox"/> Food Grade type	Viscosity: 68 cSt
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Cooling water supply:

Pressure: 2-4 bar	Consumption: 140 l/h	Temperature: <25 °C	Hardness: <10 °dH
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Steam supply:

Pressure: bar	Consumption: kg/h	Temperature: °C
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Condensate:**Automation:**

Cooling water valve pneumatic: 11. <input checked="" type="checkbox"/>	Remote on/off setting of hydraulic pressure: 18. <input type="checkbox"/>	Remote indication of product pressure: 14. <input type="checkbox"/> 1st stage 38. <input type="checkbox"/> 1st + 2nd stage
Machine control: 28. <input checked="" type="checkbox"/>	Alarm panel: 30. <input type="checkbox"/>	Remote continuous setting of hydraulic pressure: 20. <input type="checkbox"/>
		Remote indication of hydraulic pressure: 16. <input type="checkbox"/>

Date: 2015-06-02	Sign: TP	Revision: 0
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**Tetra Pak Processing Components AB****Test Record for homogenizer**

Machine No.: 5856935137	Model: Tetra Pak Homogenizer 200
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Performance data

Test liquid: Water 40-70°C	Test voltage: 400 V
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Test time (h)	Homogenizing pressure (bar)	Capacity (l/h)	Crankshaft revolution (rpm)	Current consumption (A)	Frequency (Hz)	Stage 1		Stage 2		LPRV	
						Hydraulic pressure (bar)	Signal (mA)	Hydraulic pressure (bar)	Signal (mA)	Hydraulic pressure (bar)	Relief pressure (bar)
1	50	3170	174	9	74			25			
	100	3140	173	16	74	32		25			
	150	3090	172	23	74	57		25			
6	200	3050	171	30	74	85		25			
1	200	1020	57	9	25	85		26			

Manufacturing No.

Main motor: UD1507/1739423.002.001	Gearbox: 9932579.010.2015	Starter panel: 31829-52592
Pump block: A 6412	Crankcase:	Frequency inverter: S/N 027614G265

Date: 2015-09-03	Test performed by: Lars Agnas
Date: 2015-09-03	Test approved by: Thomas Carlsson