

Tetra Pak Processing Components AB

Technical Data for homogenizer

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| Machine No.: 5870617290 | Model: Tetra Pak Homogenizer 25 |
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General:

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| Capacity: 8000 l/h | Working pressure: 250 bar | Total weight: 2220 kg |
| Altitude: 1000 m | Ambient temperature: 40 °C | Noise reduction: 22. <input type="checkbox"/> |

Wetend design:

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|------------------------------|--|--|---|--|---|
| 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:

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|-----------------------------|-----------------------------|--|---|--|---|
| Size of 1st stage: 53/59 | Size of 2nd stage: 53/59 | Wide gap: 33. <input checked="" 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:

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|-------------------------|------------------------------|----------------------------|--------------------------------|--------------------------------|----------------------|
| Manufacture: Siemens | Model: 1LE1503 280S 4 IE3 | Revolution: 1485 rpm | Protection: IP55 | Thermistor: <7.5 V DC | Weight: 570 kg |
| Power: 75 kW | Voltage: 380 D V | Frequency: 50 Hz | Full load current: 139 A | Starting current: 1009 A | |

Hydraulic motor:

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| Manufacture: Siemens | Model: 1LA9070 71M 4 | Revolution: 1410 rpm | Protection: IP55 |
| Power: 0,25 kW | Voltage: 380 D V | Frequency: 50 Hz | Rated current: 0,8 A |

Pressure lubrication motor:

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

Drive unit:

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|---------------------|------------------------|-------------------------------------|---------------------------------------|------------------------------|---|
| V-belt type: XPC | Number of tracks: 3 | Motor pulley diameter: 375 mm | Gearbox pulley diameter: 355 mm | V-belt length: 2500 mm | Belt tension (New/Used): 1016/884 N (44,3/41,3 Hz) |
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Gearbox:

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| Manufacture: Benzlers | Model: J71 | Reduction: 5,56 |
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Oil:

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|---|--------------------------|---|--------------------------|--|-------------------------|
| 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 |
|---|--------------------------|---|--------------------------|--|-------------------------|

Cooling water supply:

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| Pressure: 2-4 bar | Consumption: 220 l/h | Temperature: <25 °C | Hardness: <10 °dH |
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Steam supply:

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| Pressure: bar | Consumption: kg/h | Temperature: °C |
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Condensate:

Automation:

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| Cooling water valve pneumatic: 11. <input type="checkbox"/> | Remote on/off setting of hydraulic pressure: 18. <input checked="" 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"/> | Inlet pressure transmitter: 48. <input type="checkbox"/> | Remote continuous setting of hydraulic pressure: 20. <input type="checkbox"/> |
| | | Remote indication of hydraulic pressure: 16. <input type="checkbox"/> |

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| Date: 2017-12-06 | Sign: TC | Revision: 1 |
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