



**WACKER
NEUSON**
all it takes!



DPU110Lec870

Heavy-weight reversible vibratory plates

Uncompromising performance with high operating comfort

The heavyweight reversible vibratory plates offer an uncompromisingly strong compaction performance with compact dimensions and a high level of operating comfort. Therefore, they are the compaction machine of choice for demanding compaction work such as road construction. The water-cooled engine provides reliable high performance. Many functional details based on the most modern technologies ensure efficiency on the job and make daily maintenance easier. The product range consists of high-performance, heavy-duty vibratory plates with centrifugal forces ranging from 80 to 130 kilonewtons.

Highlights

- Compact dimensions, high performance
- Sturdy and durable

Technical Data

■ Mechanical - Output Details

| | |
|------------------------|--|
| Centrifugal force | 110 kN |
| Vibrations | 3.600,0 1/min |
| Transmission | Hydrostatic with electronic control unit |
| Area capacity | 1.566,0 m ² /h |
| Forward running | 30,0 m/min |
| Gradeability | 36,0 % |
| Vibrations (Hz) | 60,0 Hz |
| Standard Support Plate | without Support Plate |
| PQ Class | 3 |
| Hauc Class | 1.400,0 - 1.800,0 kg/m ² |

■ Mechanical Details

| | |
|----------------------------|------------|
| Length Drawbar in op. pos. | 2.409,0 mm |
| Length Baseplate | 1.182,0 mm |
| Width | 870,0 mm |
| Width Baseplate | 870,0 mm |
| Height | 1.541,0 mm |
| Height Cover frame | 822,0 mm |
| Height Crane hook | 932,0 mm |
| Thickness Baseplate | 14,0 mm |
| Thickness Baseplate min. | 10,0 mm |
| Operating weight | 813,0 kg |

| | |
|------------------|---------------------------|
| Ground clearance | 830,0 mm |
| Contact area | 556.800,0 mm ² |

■ Engine

| | |
|----------------------|---------------|
| Effective power | 16,0 KW |
| Nominal Engine speed | 2.700,0 1/min |

■ Environment Data

| | |
|--------------------------------|----------------------|
| Storage temperature range | -20 - 50 °C |
| Operating temperature range | -10 - 50 °C |
| Operational altitude max. | 2.700,0 m NN |
| Sound level LpA | 94,0 dB(A) |
| Sound level LpA (Standard) | EN 500-4 |
| Measuring method LpA | DIN EN ISO 11201 |
| Sound power LWA, measured | 107,0 dB(A) |
| Sound power LWA, guaranteed | 109,0 dB(A) |
| Sound power LWA (Standard) | EN 500-4 |
| HAV summation (average value) | m/s ² |
| HAV summation (Standard) | EN 500-4 |
| Uncertainty in measurement HAV | 0,5 m/s ² |

■ Electrical System

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|-------------------------------|-----------|
| operating pressure | 193,0 bar |
| max. perm. hydraulic pressure | 230,0 bar |

■ **Operating Fluids**

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|----------------------|------------------------|
| Cooling fluid volume | 4,4 l |
| Cooling fluid type | SAE J1034:Wasser (1:1) |
| Exciter oil volume | 1,35 l |

| | |
|------------------------|-----------------|
| Exciter oil type | 75W-90 API GL-4 |
| Hydraulic fluid volume | 21,9 l |
| Hydraulic fluid type | Renolin MR 520 |