



## 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 m2/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/m2

#### ■ Mechanical Details

Length Drawbar in op. pos.	2.409,0 mm
Length Baseplate	1.182,0 mm
Width	870,0 mm
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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 mm2

#### ■ 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/s2
HAV summation (Standard)	EN 500-4
Uncertainty in measurement HAV	0,5 m/s2

#### ■ Electrical System

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

## ■ Operating Fluids

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