

Operator's manual

Vibratory plate

DPU

**4045, 4545, 5545,
6555**



Model

DPU

Document

5100009744

Issue

03.2017

Version

06

Language

en

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3.8 General safety instructions - Combustion engines

The following notes must be observed:

- Before starting work, check the engine to ensure there are no leaks and/or cracks in the fuel lines, tank, and fuel cap.
- Do not operate a defective engine. Replace damaged parts immediately.
- The pre-set engine speed may not be adjusted. This could lead to engine damage.
- Make sure that the exhaust system of the engine is free of debris. Fire hazard!
- Switch off before refueling the engine.
- Use the correct fuel type. The fuel may not be mixed with other liquids.
- Use clean filling aids for refueling. Do not spill fuel. Immediately wipe up any spilled fuel.
- The engine may not be started near spilled fuel. Explosion hazard!
- For operation in partially closed spaces, sufficient ventilation and aeration must be ensured. Do not inhale exhaust fumes. Risk of poisoning!
- The engine surface and exhaust system can quickly become extremely hot. Risk of burns!

NOTICE

This machine is outfitted with an EPA-certified engine.

Adjusting the revolutions per minute (RPM) impacts the EPA-certification and the emissions. Settings for this engine may only be changed by a professional.

For more information, contact the manufacturer or your Wacker Neuson contact partner.

3.9 General safety instructions – fuel, lubricants and coolants

The following notes must be observed:

- Always wear safety glasses and protective gloves when handling fuel, lubricants, and coolants. If hydraulic oil, fuel, oil, or coolant gets into your eyes, see a doctor immediately.
- Avoid direct skin contact with fuel, lubricants and coolants. Immediately rinse skin with soap and water.
- Do not eat or drink while working with fuel, lubricants and coolants
- Contaminated hydraulic oil or fuel from dirt or water can lead to premature wear or failure of the machine.
- Dispose of spilled fuel, lubricants and coolants according to the applicable provisions for environmental protection.
- If fuel, lubricants and coolants escape from the machine, do not operate the machine any longer and have it repaired immediately by the Wacker Neuson contact partner.

3.10 General safety instructions – starter batteries

The following notes must be observed:

- When disconnecting the starter battery, always disconnect the negative terminal first!
- When connecting the starter battery, always connect the positive terminal first! Fasten battery terminal cover!
- Flames, sparks, and smoking are prohibited when handling starter batteries.
- Starter batteries contain corrosive acid. Wear acid-proof protective gloves and safety glasses when handling starter batteries.
- Prevent incorrect connection of the starter battery or bridging of the terminals with tools. Risk of short circuit!

NOTICE

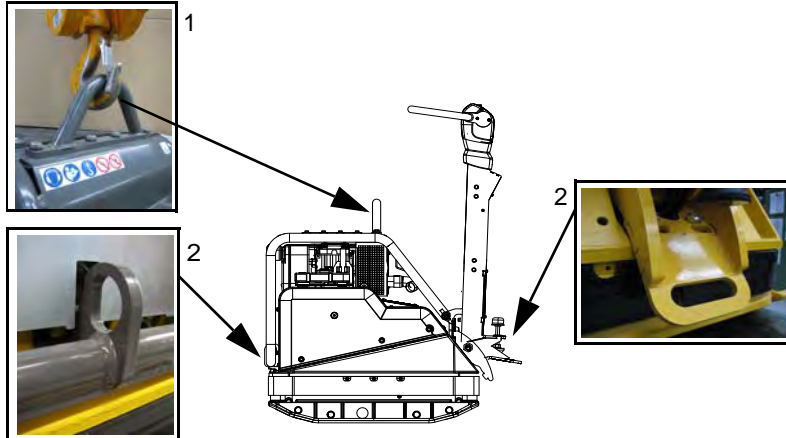
Never add acid or distilled water.

Observe the battery manufacturer's instructions for charging.

Never open the battery to remove the aeration.

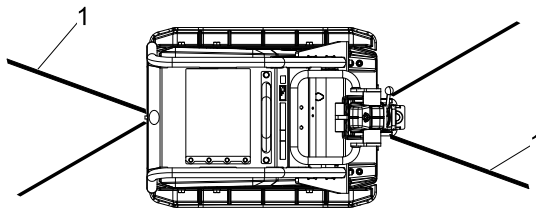
Lifting and lashing down the machine**NOTICE**

Appoint a specialist flagman for a safe lifting operation.



Item	Designation	Item	Designation
1	Central lifting point	2	Tie-down lugs

1. To lift the machine, hang suitable tackle at the central lifting point.
2. Carefully load machine into or onto a stable means of transport.



Item	Designation
1	Belt

3. After loading the machine, lash down the machine to prevent it from rolling off, slipping, or tipping over. Attach tie-down lugs to the designated lashing points.

**9.1 Maintenance table**

Maintenance jobs	Daily	h/year	Weekly	Monthly
Clean the machine Visual inspection for completeness Visual inspection for damage	■			
Check the engine oil level*	■			
Replace the engine oil*		25 h/250 h		
Replace the engine oil filter*		25 h/250 h		
Clean, set, repair, replace the injection nozzles*		1500 hours		
Clean, set, repair the injection valve*		3000 hours		
Replace the fuel filter*		500 hours		
Check water trap*			■	
Check the intake area of the combustion air*	■			
Check air cleaner service indicator*	■			
Cleaning, replacing the air cleaner cartridge*	■	500 hours		
Check the tapped clearance**		25 h/250 h		
Check the exciter oil level				■
Replace the exciter oil		250 h/1/2 year		
Check hydraulic oil level**				■
Check hydraulic hose lines**		125 hours		
Check / replace the V-belt				■
Check the rubber buffer**		125 hours		
Check the to ensure the screwed connections are firmly seated	■			■
Re-lubricate the threaded spindle and ratchet pin			■	
Clean cooling fins.***		250 h		
<p>* Note the engine operator's manual. ** Have this work performed by the service department of your Wacker Neuson contact partner. ** Yanmar.</p>				

13 Technical data

13.1 DPU4045

Designation	Unit	DPU4045Ye	DPU4045Yeh	DPU4045Yehzf
Item number		5100016954	5100009662	5100022113
Centrifugal force	kN	40.00	40.00	40.00
Oscillations	Hz	69	69	69
	1/min	4,140	4,140	4,140
Compaction performance*	m ² /h	870	870	870
Travel speed	m/min	24.0	24.0	24.0
Gradeability	%	36.4	36.4	36.4
Length (center pole in working position)	mm	1,661	1,661	1,661
Width	mm	604	604	604
Height	mm	1,308	1,308	1,308
Operating weight	kg	376	376	379
Ground clearance	mm	764 – 859	764 – 859	859
Rated power **	kW	4.5	4.5	4.5
Nominal speed	1/min	3,000	3,000	3,000
Exciter oil volume	l	0.75	0.75	0.75
Exciter oil type		SAE 75W-90	SAE 75W-90	SAE 75W-90
Hydraulic oil volume	l	0.5	0.5	0.5
Type of hydraulic oil		MR 520	MR 520	MR 520
Storage temperature range	°C	-15 – +40	-15 – +40	-15 – +40
Operating temperature range	°C	-15 – +40	-15 – +40	-15 – +40
Sound pressure level At location of operation L _{pA}	dB(A)	94	94	94
Standards		EN 500-4		
Sound power level L _{wa} measured guaranteed	dB(A)	107	107	107
		108	108	108
Standards		EN 500-4		
Vibration total value a _{hv}	m/s ²	< 2.5	< 2.5	< 2.5
		EN 500-4		
Uncertainty of measurement of the vibration total value a _{hv}	m/s ²	0.5	0.5	0.5
* Depending on the soil properties.				
** Corresponds to the net installed power according to directive 2000/14/EC.				



Designation	Unit	DPU6555Heh	DPU6555 Hehap	DPU6555 Hes	DPU6555 Hesh
Item number		5100009636	5100009638	5100016941	5100015774
Centrifugal force	kN	65.00	65.00	65.00	65.00
Oscillations	Hz	69	69	69	69
	1/min	4,150	4,150	4,150	4,150
Compaction performance*	m ² /h	1,200	1,450	1,200	1,200
Travel speed	m/min	28.0	28.0	28.0	28.0
Gradeability	%	46.6	46.6	46.6	46.6
Length (center pole in working position)	mm	1,664	1,664	1,664	1,664
Width	mm	710	860	710	710
Height	mm	1,308	1,308	1,308	1,308
Operating weight	kg	495.0	518.0	499.0	499.0
Ground clearance	mm	861 – 1,005	861 – 1,005	861 – 1,005	861 – 1,005
Rated power **	kW	9.6	9.6	9.6	9.6
Nominal speed	1/min	2,800	2,800	2,800	2,800
Exciter oil volume	l	0.75	0.75	0.75	0.75
Exciter oil type		SAE 75W-90	SAE 75W-90	SAE 75W-90	SAE 75W-90
Hydraulic oil volume	l	0.5	0.5	0.5	0.5
Type of hydraulic oil		MR 520	MR 520	MR 520	MR 520
Storage temperature range	°C	-15 – +40	-15 – +40	-15 – +40	-15 – +40
Operating temperature range	°C	-15 – +40	-15 – +40	-15 – +40	-15 – +40
Sound pressure level At location of operation L _{pA}	dB(A)	97	97	97	97
Standards		EN 500-4			
Sound power level L _{wa} measured guaranteed	dB(A)	108	108	108	108
		109	109	109	109
Standards		EN 500-4			
Vibration total value a _{hv}	m/s ²	< 2.5	< 2.5	< 2.5	< 2.5
		EN 500-4			
Uncertainty of measurement of the vibration total value a _{hv}	m/s ²	0.5	0.5	0.5	0.5
* Depending on the soil properties.					
** Corresponds to the net installed power according to directive 2000/14/EC.					

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