



pk trucks holland

Showroom: Graanweg 2 (M200)
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SCANIA P114 - 8x4 with HANWOO 43 mtr. concrete pump – NEW

General

Assembly level	Completely Build Up
Product class	Truck
Development level	4
Wheel configuration	8x4
Front-wheel drive	No
Axle distance	6500 mm
Steering wheel position	Left
Chassis width	2500 mm
Axle w. front,technical	2 x 9000 kg
Technical total weight	39000 KG
Bogie weight, technical	21000 kg (10500 + 10500)

Engine

Engine type, vehicle	DC11 04 /380 hp
Emission requirement	Euro 3A
White smoke limiter	With
Air cleaner supplier	Scania 6037
Noise dampening	79.9 Dba
Piston, type	Aluminium
Engine type symbol	DC11 04 L01
Power take-off, engine, prep.	With
Turbo charger position	Side centre low
Crankcase ventilation, type	Open

Cooling system

Radiator	0.60 m2
Charge air cooler	Air cooled

Fuel and exhaust systems

EDC Electronic diesel control	
Fuel volume, right side	450 litres
Fuel tank sectional area	Normal
Exhaust silencer execution	Cube
Injection system	Unit injector Scania PDE
Fuel tank	Right hand side
Fuel tank material	Steel
Exhaust outlet, direction	Backwards

Clutch

Clutch, frictiontype	K432 32
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Gearbox

Gearbox	GR900
Gear shift control	Mechanical
Power take off	EG611
Power take-off, gearbox conec.	Single

Propeller shaft

Propeller shaft type	P600
Strength/tube lgth int.props 1	P610/1275
Bogie propeller shaft	P520
Strength/tube length propshaft	P600/1048
Strength/tube lgth int.props 2	P610/836

Front axle

Front axle, type	AM920
Chassis height	Normal
Front axle distance	1940 mm

Rear axle

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Rear axle, type AD/ADA1300
Axle gear first RB660
Rear axle gear ratio 3,42
Rear axle, type AD1300
Axle gear second R660
Differential lock With

Hubs and wheels

Wheel, type Disc
Rim, diameter front axle 22.5
Rim, diameter spare wheel 22.5
Rim, diameter rear axle 22.5
Tyre, dimension front axle 12 R 22.5
Tyre rolling circumference 3340 mm
Tyre, supplier rear axle Michelin
Tyre, pattern rear axle XDE2+ Michelin
Tyre, speed index rear axle L=max. 120 km/h
Tyre, load index rear axle 148
Rim, material disc wheel Steel
Rim, width front axle 9.00
Rim, width rear axle 9.00
Rim, width spare wheel 9.00
Tyre, dimension rear axle 12 R 22.5
Tyre front, calc. roll. radius Group C= 525 mm
Tyre, supplier front axle Michelin
Tyre, pattern front axle XDE2+ Michelin

Brakes

Wheel brake Drum
Brake category E
Adjustm, brake slack adjuster Automatic
Brake shoe width, front axle 203 mm (8")
Brake shoe width, rear axle 254 mm (10")
Brake chamber type 1st front Membrane
Brake chamber area, 1st front 24 in2
Brake chamber type, 2nd front Membrane+spring
Brake chamber area 2nd front 24 in2
Brake chamber type, 1st rear Membrane+spring
Brake chamber area 1st rear 24 in2
Brake chamber type, 2nd rear Membrane
Brake chamber area, 2nd rear 24 in2
Brake shoe make MM Scania MM
Traction control With
ABS, Anti-lock brakes With
ABS, Anti-lock brakes Wabco
ABS/EBS system 6S/6M
Compressor manufacture Knorr 600
Foot brake valve, supplier Wabco
Air system, pressure level 9.3 bar
Exhaust brake With
Exhaust brake control Automatic
Exhaust brake system With ECU

Frame

Frame, type F958
Frame material, yield strength 400 N/MM2
Chassis colour Sub grey
Frame overhang rear(me.ment J) 2300 mm
Frame overhang (dimension-JA) 3650 mm
Bumper Steel 3 mm

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Suspension

Suspension system, front	Parabolic
Suspension front, leaf springs	3x29
Suspension system rear	Parabolic
Suspension rear, leaf springs	4x41
Anti-roll bar type front	Tubular
Anti-roll bar, front	Extra stiffness
Anti-roll bar, rear axle	With
Bogie type	BT201B
Bogie distance	1350 MM

Steering

Power steering gear	TAS 85
Steering gear ratio	23,4:1
Steering system	1-circuit
Steering force 70/311 92/62EEC	No
Steering wheel adjustment	With
Steering lock	With

Engine control

Speed limiter	With
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Electrical system

Alternator charge	65 A
Battery	140 AH
Starter motor	1-pole 24V JE
Headlamp asymmetry	Right
Fog and spot lamp in bumper	With
End outline marker lamp	White
Reversing light	With
Work lamp	Prepared
Horn	Compressed air
Electrical components ground	Chassis grounded
Diagnostics, electrics	With

Instruments

Speedometer / Tachograph	7-day tachometer
Speed limitation	100 KM/H

Cab

Cab type	CP
Cab length	14 dm
Roof height	Low
Cab colour	White Int01024
Boarding step front	2-point air
Window, rear wall, cab	With
Window winder control	Electric driver+passenger
Tinted glass	With
Air conditioning	With
Cab temperature control	Manual
Cab suspension	4-point air
Front Roof hatch control	Manual
Roof hatch	With
Central locking	With
Interior side sun visor	With
Roof rail	With
Seat category driver side	Medium
Upholstery, door	Basic
Upholstery seat	Basic
Seat belt passenger side	Cab fixed
Warning signal uncon.seat belt	Warning lamp
Rear view mirrors, heated	With Seat
Rear view mirror, passenger	Spherical

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Rear view mirror type driver	Spherical
CB radio	Prepared
FM radio	Prepared
Horn, compressed air	Prepared
Car phone	Prepared
Wheel housing	Normal

HANWOO HCP43X – 43 mtr. Concrete pump

Max. theo. concrete	150m ³ /h	
Performance	Max. concrete output	135m ³ /h
	Max. theo. pressure	85bar
	Permitted slump	8 ~ 25cm
	Size of aggregate	Max. 40mm
Concrete pump	Del. cyl. dia x stroke	230 x 2,100mm
	Volume of hopper	0.6m ³
	Hyd. control system	FFH system
	Transfer tube	S-valve
	Boom	Type
Del. pipe		125mm
Max. vertical reach		42.2m
Max. horizontal reach		38.2m
Slewing range		360°
Max. reach depth		28.7m
Others		Volume of oil tank
	Volume of water tank	400ℓ

BOOM	BOOM TYPE	4-SECTION, ROLL TYPE	
	MAX. VERTICAL REACH	42.2m	
	MAX. HORIZONTAL REACH	38.2m	
	DEPTH REACH	28.7m	
	END HOSE LENGTH	3m	
	DELIVERY DIAMETER	125mm	
	SLEWING RANGE	360°	
	EACH SECTIONS LENGTH	1st	10,200mm
		2nd	9,400mm
		3rd	9,300mm
		4th	9,400mm
	1st BOOM CYLINDER	STROKE	1,280mm
		RATED PRESSURE	300Kg _f /cm ²
	2nd BOOM CYLINDER	PROOF PRESSURE	450Kg _f /c m ²
		STROKE	1,653mm

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	RATED PRESSURE	300Kg _f /cm ²
	PROOF PRESSURE	450Kg _f /cm ²
3rd BOOM CYLINDER	STROKE	1,188mm
	RATED PRESSURE	300Kg _f /cm ²
	PROOF PRESSURE	450Kg _f /cm ²
4th BOOM CYLINDER	STROKE	1,081mm
	RATED PRESSURE	300Kg _f /cm ²
	PROOF PRESSURE	450Kg _f /cm ²
MATERIAL	HIGH TENSILE STEEL PLATE (DIN, Gr.700)	

CONCRETE PUMP

DELIVERY CYLINDER	INNER DIAMETER	230mm
	STROKE	2,100mm
DRIVE CYLINDER	CYLINDER DIAMETER	140mm
	ROD DIAMETER	80mm
	RATED PRESSURE	350Kg _f /cm ²
	PROOF PRESSURE	500Kg _f /cm ²
TRANSFER TUBE	S-VALVE TYPE	
MAX. THEORETICAL CONCRETE OUTPUT		150m ³ /h
MAX. THEORETICAL CONCRETE PRESSURE		85bar

HOPPER

VOLUME OF HOPPER		0.6 m ³ (600ℓ)
PERMISSIBLE SLUMP		8 - 25 cm
MAX. AGGREGATE SIZE		MAX. 40 mm
AGITATOR	SPIRAL TYPE	
	DRIVEN BY POWERFUL 2 UNIT HYDRAULIC MOTORS	

AGITATOR	MAX. FLOW	45 LPM
CONTROL BLOCK	ROTATED PRESSURE	250bar
	MAX. BACK PRESSURE	25bar
	VISCOSITY RANGE	10 to 500mm/s
	TEMP. RANGE OF OIL	-20-°C ~ 80°C
	ENVIRONMENTAL TEMP.	-30°C ~ 60°C
AUTO-GREASE SUPPLIER	OPERATING TEMP.	-40°C ~ 70°C
	VOLUME	2 liter
	ELEC. VOLTAGE	DC24V (STD) DC12V (OPT)
	SPEED OF MOTOR	17 rpm

OUTRIGGER

FRONT OUTRIGGER TYPE	X-EXTENSION DRIVEN BY HYD. MOTOR&CHAIN/HYD. CYLINDER	
REAR OUTRIGGER TYPE	SWING-SUPPORT DRIVEN BY HYD. CYLINDER	
SUPPORT CYLINDER (FRONT / REAR)	CYL. BORE	ø140mm
	ROD DIA.	ø120mm
	STROKE	800mm
	RATED PRESSURE	300Kg _f /cm ²
	PROOF PRESSURE	350Kg _f /cm ²

OUTRIGGER CONTROL VALVE

DESIGN PRESSURE	350bar
RELIEF PRESSURE	300bar
FLOW RATE	45ℓ/min

BOOM FILTER

TYPE	LINE MOUNTED HIGH PRESSURE FILTER
FLOW RATE	150 ℓ/min
OPERATING PRESSURE	MAX. 420 bar

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DIRT INDICATING PRESSURE	$\Delta P = 5 \text{ bar}$
RETURN PRESSURE	$\Delta P = 20 \text{ bar}$
FINENESS OF FILTER ELEMENT	12 μ

ACCUMULATOR

TYPE	BLADDER TYPE
NOMINAL VOLUME	4 ℓ
EFFECTIVE GAS VOLUME	3.5 ℓ
MAX. WORKING PRESSURE	330bar
BLADDER MATERIAL	NBR
GAS PRE-CHARGE PRESSURE	10bar

MAIN HYD. PUMP(Double type)

DISPLACEMENT	125cc/rev.
MAX. RPM	2,850rpm
FLOW	356 ℓ /min
POWER (at $\Delta P=350\text{bar}$)	237Kw
TORQUE (at $\Delta P=350\text{bar}$)	795Nm

ACCUMULATOR PUMP

DISPLACEMENT	28cc/rev.
MAX. RPM	3,000rpm
FLOW	84 ℓ /min
POWER (at $\Delta P=280\text{bar}$)	39Kw
TORQUE (at $\Delta P=280\text{bar}$)	125Nm

BOOM PUMP

DISPLACEMENT	23cc/rev.
MAX. RPM	2,700rpm
FLOW	60 ℓ /min
TORQUE (at $\Delta P=400\text{bar}$)	126Nm

GEAR BOX

GEAR BOX TRANSFER FROM POWER OF ENGINE TO HYDRAULIC PUMP OR DRIVE AXLES.

TYPE	A4496
GEAR RATIO	1 : 1.517
DRIVE TORQUE	UP TO 3,200kpm
MAX. TORQUE IN THE THROUGH-DRIVE (IN THE 1st GEAR OF THE TRUCK)	
DRIVE SPEED (IN THE THROUGH-DRIVE)	MAX. 2,700rpm
TOOTH	PROFILE-OFFSET HELICAL GEARING, CASEHARDENED AND TOOTH FLANK-GROUND
WEIGHT	108Kg

MBC BLOCK

HYDRAULIC MODULAR BOOM CONTROL BLOCK.

CHECK VALVES MOUNTED DIRECTLY ON THE HYDRAULIC BOOM CYLINDERS SERVE AS A PROTECTIVE DEVICE IN CASE OF HOSE RUPTURES OR OVERLOADING.

THE SPEED IS ADJUSTED TO THE OPTIMUM RATING FOR ALL BOOM MOVEMENTS. THIS CONTROL BLOCK MAKE EASY OPERATING OF BOOM AND OUTRIGGER. THIS BLOCK IS FULLY PROPORTIONAL OPERATING.

SETTING PRESSURE OF MAIN INPUT	350bar
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HYD. MOTOR (OIL COOLER)

ROTATION	REVERSIBLE
DISPLACEMENT	8.3cc/rev
MAX. PRESSURE	250bar
MAX. RPM	3500rpm
MIN. RPM	600rpm
OPERATING TEMP.	-25 ~ 80°C

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HYD. MOTOR (REAR OUTRIGGER)

DISPLACEMENT	159.6cc/rev.
MAX. RPM	375rpm
FLOW	60l/min
POWER	11Kw
TORQUE	32Nm

HYD. MOTOR (AGITATOR)

DISPLACEMENT	470.6cc/rev
MAX. RPM	130rpm
FLOW	60l/min
POWER	9Kw
TORQUE	82Nm

REMOTE CONTROLLER

CABLE REMOTE CONTROLLER (CABLE LENGTH : 40m)
LIGHTWEIGHT CABLE REMOTE CONTROL FOR ALL PUMP AND BOOM FUNCTIONS.

WATER PUMP & TANK

IT MAKES HIGH WATER PRESSURE(30bar), USEFUL FOR CLEANING.
THE VOLUME OF WATER TANK IS 400 liter.

D

DELIVERY LINE

ALL DELIVERY PIPES (DN125) CAN BE REPLACED EASILY, THANKS TO THE PIPE MOUNTING DESIGN WHICH IS OPTIMIZED FOR SERVICING.

SUCTION FILTER

TYPE	TANK MOUNTED SUCTION FILTER
FLOW RATE	120 l/min
FILTERING AREA	8,200cm ²
OPERATING TEMP.	MAX. 120°C
OPERATING PRESSURE	MAX. 6 bar
DIRT INDICATING PRESSURE	-0.25 bar
FINENESS OF FILTER ELEMENT	100

OIL COOLER

LARGE FAN IS DRIVEN BY HYD. MOTOR, LARGE COOLING CAPACITY.

THE COOLER START OIL TEMPERATURE AT 47°C.

THE OIL TEMPERATURE IS INDICATED BY ELEC. SENSOR.

CENTRAL ELECTRIC BOX

CENTRALIZED ELECTRIC COMPONENTS & MEASUREMENTS.

OPERATING IS SIMPLE, MAINTENANCE IS EASY.

EQUIPPED EMERGENCY SWITCH

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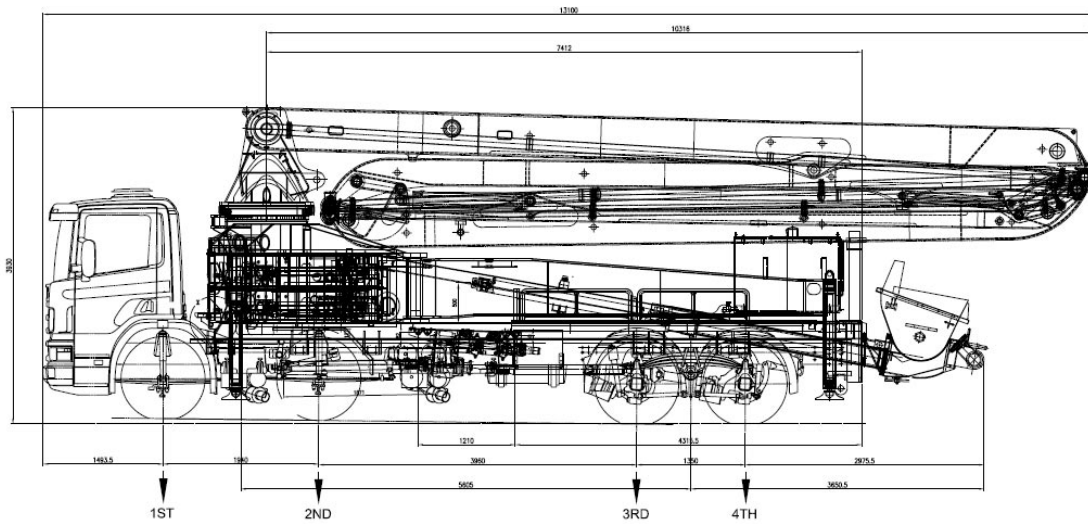
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TRUCK	SCANIA(KOREA VERSION) : P114GB8X4NZ25TC				
AXLE No.	1st	2nd	3rd	4th	Remark
Axle Capacity	9,000kg	9,000kg	11,000kg	11,000kg	
Chassis weight	3,263kg	3,263kg	1,862kg	1,862kg	Total:10,250kg
X-unit weight	3,177kg	3,177kg	7,748kg	7,748kg	Total:21,850kg
Weight(NET)	6,440kg	6,440kg	9,610kg	9,610kg	
150m ³ /hr	32,100kg(without Water & Operator)				
Weight(Total)	9,479kg	6,479kg	9,836kg	9,836kg	
150m ³ /hr	32,630kg(w/In Water & Operator) Water :400kg, operator : 130kg				

** SPECIFICATION OF HC43X

- BOOM : M43X-TYPE BOOM
- PLANETARY GEAR TYPE
- FRONT LEG : X-TYPE, 2-STEP
- REAR LEG : SWING OUT TYPE
- SYSTEM : FFH SYSTEM(CLOSED SYSTEM)
- CORE PUMP : BSF2115H
- CON. PRESS.: 85BAR
- DEL PIPE : DIA.125
- CONTROL : RADIO OR CABLE REMOTE

SCANIA CHASSIS

ITEM	MARKING	PART NAME	QTY	UNIT	REMARK
1	HCP43X	LAYOUT OF M43X	1	SET	
SCANIA CHASSIS					
HANWOO					

AutoCAD

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