

Concrete Pump specifications

DNCP-12532X

Boom Specifications			
Vertical Reach		31.6m	103'8"
Horizontal Reach		28m	91'10"
Upfolding Height		7.53m	24'8"
General Specifications			
Pipeline Diameter		125m	5"
Rotation		370 i/Æ	370 i/Æ
End Hose Length		4m	13'2"
End Hose Diameter		125mm	5"
Outrigger Spread L-R Front		5.89m	19'4"
Outrigger Spread L-R Rear		5.4m	17'9"
Pump Specifications			
Output	Rod Side	125\$/hr	163yd@/hr
	Piston Side	70\$/hr	91yd@/hr
Pressure	Rod Side	53bar	768psi
	Piston Side	95bar	1,377psi
Concrete Cylinder Diameter		230mm	9"
Stroke Length		2,100mm	83"
Maximum Strokes per Minutes	Rod Side	24	24
	Piston Side	13	13
Hopper Capacity		650L	23ft@
Volume Control		0 to full	
Hydraulic System		Colsed-loop	
Hydraulic System Pressure		350bar	5,075psi
Hydraulic Tank Capacity(Pump System)		400L	106gal
Differential cylinder diameter		120mm	4.7"
Rod diameter		80mm	3"
Water Tank Capacity		555L	147gal
Maximum Aggregate size		20bar	290psi
Chassis Specifications			
Truck		K7CEA1(Daewoo)	
Length		11,054mm	36'3"
Width		2,496mm	8'2"
Height		3,930mm	12'11"
Wheelbase		5,800mm	19'
Total Weight		23,246kg	51,249lbs

DNCP-15036X

Boom Specifications			
Vertical Reach		35.8m	117'5"
Horizontal Reach		32.1m	105'4"
Reach Depth		8.6m	28'3"
Outrigger Spread L-R Front		6.02m	19'9"
Outrigger Spread L-R Rear		8.5m	27'10"
Rotation			370° ^a
Pump Specifications			
Output	Rod Side	150§@/hr	196yd@ø/hr
	Piston Side	102§@/hr	133yd@ø/hr
Pressure	Rod Side	87bar	768psi
	Piston Side	130bar	1,886psi
Concrete Cylinder Diameter		230	9"
Stroke Length		2,100mm	83'
Maximum Strokes per Minutes	Rod Side	29	29strokes/min
	Piston Side	19	19strokes/min
Hopper Capacity		650L	23ft@ø
Volume Control		0 to full	
Hydraulic System Pressure		350bar	5,075psi
Hydraulic Tank Capacity (Pump System)		140	5.5"
Differential cylinder diameter		80mm	3"
Water ack Capacity		500L	132gal
Maximum Aggregate size		40mm	1.6"
Chassis Specifications			
Truck		K8CEA1 (DaeWoo)	
Length		11,889mm	39'
Width		2,496mm	8'2"
Height		3,910mm	12'10"
Wheelbase		6,250mm	20'6"
Total Weight		26,121kg	57,598lbs

DNCP-15042X

Boom Specifications			
Vertical Reach		41.8m	137'2"
Horizontal Reach		37.9m	124'4"
Unfolding Height		9.87m	32'5"
Outrigger Spread L-R Front		8.00m	26'3"
Outrigger Spread L-R Rear		9.74m	31'12"
Rotation			365 ^o
Pump Specifications			
Output	Rod Side	150 $\frac{\text{g}}{\text{hr}}$	196yd $\frac{\text{c}}{\text{hr}}$
	Piston Side	102 $\frac{\text{g}}{\text{hr}}$	133yd $\frac{\text{c}}{\text{hr}}$
Pressure	Rod Side	87bar	1,262psi
	Piston Side	130bar	1,886psi
Concrete Cylinder Diameter		230mm	9"
Maximum Strokes per Minutes	Rod Side	29	29
	Piston Side	19	19
Hopper Capacity		650L	23ft $\frac{\text{c}}{\text{c}}$
Volume Control		0 to full	
Hydraulic System		350bar	5,075psi
Differential cylinder diameter		140mm	5.5"
Water Tank Capacity		500L	132gal
Chassis Specifications			
Truck		HD19CT-EHP(Hyundai)	
Length		13,635mm	44'9"
Width		2,496mm	8'2"
Height		3,930mm	12'11"
Wheelbase		7,850mm	25'9"
Total Weight		32,140kg	70,856lbs

DNCP-18050X

Boom Specifications			
Vertical Reach		47.8m	156'10"
Horizontal Reach		43.8m	143'8"
Unfolding Height		11.5m	39'9"
General Specification			
Pipeline Diameter		125 mm	5"
Rotation		360 °	
End Hose Length		4m	13'2"
End Hose Diameter		125 m	5"
Outrigger Spread Front		8.64 m	28'4"
Outrigger Spread Rear		10.24 m	33'7"
Pump Specifications			
Output	Rod Side	180 §/hr	235 yd@/hr
	Piston Side	121 §/hr	158 yd@/hr
Pressure	Rod Side	87 bar	1,262 psi
	Piston Side	130 bar	1.886 psi
Concrete Cylinder Diameter		230 mm	9"
Stroke Length		2.350 mm	7'9"
Maximum Strokes per Minute	Rod Side		30
	Piston Side		20
Hopper Capacity		650L	23 ft@
Volume Control			Zero to full
Hydraulic System			Closed-loop
Hydraulic System Pressure		350 bar	5,075 psi
Hydraulic Tank Capacity		400 L	106 gal
Differential cylinder diameter		140 mm	5.5"
Rod Diameter		80 mm	3"
Water Tank Capacity		500 L	132 gal
Water Pump Pressure		20 bar	290 psi
Truck Mounted Specifications			
Truck		HE25C-EL (Hyundai)	
Length		13,583 mm	44'7"
Width		2,496 mm	8'2"
Height		3,950 mm	12' 11"
Wheelbase		7,850 mm	25' 9"
Total Weight		38,500 Kg	84,878 lbs

DNCP-90T

Output	Rod Side	82\$/hr	105yd@/hr
	Piston Side	55\$/hr	72yd@/hr
Pressure	Rod Side	71bar	1,030psi
	Piston Side	106bar	1,537psi
Concrete Cylinder Diameter		200 mm	7.9"
Strokes per Minutes	Rod Side	27	29
	Piston Side	18	19
Vertical Transfer Length	Rod Side	114m	374'
	Piston Side	194m	636'
Horizontal Transfer Length	Rod Side	231m	758
	Piston Side	451m	1,480'
Hopper Capacity		650L	23ft@
Volume Control		0 to full	
Hydraulic System Pressure		350bar	5,075psi
Differential cylinder diameter		110 mm	4.3"
Rod Diameter		63mm	2.5"
Water Pump Pressure		20bar	290psi
Outlet Diameter		150mm	6"
Maximum Aggregate size		63mm	2.5"
Engine		D1146T(DaeWoo)	
Output of power		151kw/205ps	

DNCP-90H

Pump Specifications			
Output	Rod Side	90 $\frac{\text{yd}}{\text{hr}}$	118 $\frac{\text{yd}}{\text{hr}}$
	Piston Side	61 $\frac{\text{yd}}{\text{hr}}$	80 $\frac{\text{yd}}{\text{hr}}$
Pressure	Rod Side	153bar	2,219psi
	Piston Side	224bar	3,249psi
Concrete Cylinder Diameter		200mm	9"
Stroke Length		2100 mm	83"
Strokes per Minutes	Rod Side	22	22
	Piston Side	16	16
Vertical Transfer Length	Rod Side	236m	9.3"
	Piston Side	396m	15.6"
Horizontal Transfer Length	Rod Side	462m	18"
	Piston Side	885m	34.9"
Hopper Capacity		650L	23ft \varnothing
Volume Control		0 to full	
Hydraulic System		Closed-loop	
Hydraulic System Pressure		350 bar	5,075 psi
Hydraulic Tank Capacity		300 L	79 gal
Differential cylinder diameter		110 mm	5.5 "
Rod Diameter		63 mm	3 "
Water Pump Pressure		20 bar	290 psi
Outlet Diameter		150 mm	6 "
Truck Mounted Specifications			
Truck		HD16CT-EHP (Hyundai)	
Length		10,030mm	32'11"
Width		2,496mm	8'2"
Height		2,980mm	9'9"
Wheelbase		5,650mm	18'6"
Total Weight		15,700kg	34,804lbs

DNCPB-28

Boom Specifications		
Boom Desing	4 Section Roll	
Horizontal Reach	28m	91'10"
Reach Depth	21m	68'11"
4-Section Length		
1st Section Length	7.7m	25'3"
2nd Section Length	7.05m	23'2"
3rd Section Length	7.05m	23'2"
4th Section Length	6.1m	20'
Boom Articulation		
1st Section	100 ϕ^a	
2nd Section	180 ϕ^a	
3rd Section	180 ϕ^a	
4th Section	270 ϕ^a	
General Specification		
Pipeline Diameter	125mm	5"
Rotation	365 ϕ^a	
End Hose Length	4m	13'2"
End Hose Diameter	125mm	5"
Power	15kw	
Control System	Cable Remote	
Weight		
Boom Weight	4,710 kg	10,384 lbs
Turntable Weight	3,930 kg	8,664 lbs