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Version number: v2



Water Pump

Anytime anywhere power solutions.



APPLICATION OF SELF-PRIMING DEWATERING PUMP



Mining and Quarry



Industry



Construction



Oil & Gas



Municipalities



Civil works



Wellpoint



Floods controls



Rental



SILENT TYPE WATER PUMP SET



	1	2
3	4	5
6	7	8
9	10	11



Fluid Outlet / Fluid Inlet



Control Panel



Emergency Stop



Pump Head



Sound-attenuating Foam



Oil Drain Pump



Bumper to Protect Enclosure



All Doors Detachable
for Easy Maintenance



Door Holder



Diesel Filler



Forklift Pocket

OPEN TYPE WATER PUMP SET



	1	2
3	4	5
6	7	8



Fluid Outlet / Fluid Inlet



Control Panel



Emergency Stop



Pump Head (Easy replacement)



Battery Charger Plug



Oil Drain Pump



Diesel Filler



Towing eye

KPJ4-165

4" Self-priming Pump set

SPECIFICATION

POWERED BY PERKINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ4-165
Max. Flow rate (M³/H)	165
Max. head (M)	28
Solids handling(MM)	76
Silent type dB(A) @7m	65
Tank (L)	80

ENGINE SPECIFICATION

Engine Model	404D-22
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Naturally Aspirated
BorexStroke (mm)	84x100
Displacement (Liter)	2.216
Compression Ratio	24.4:1
Rated Power/Speed (kW/rpm)	27/1800
Speed Governor	Mechanical
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤5%
Total lubrication system capacity (L)	10.6
Coolant capacity (without radiator) (L)	3.6
Fuel Consumption (L/H)	4.8 @ 75% load
Starter Motor	DC12V
Start type	Electrical

PUMP SPECIFICATION

Pump Model	KP4ZW130-20
Operating speed	1750 RPM
Shaft power	14.9 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	248 mm (9.75")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	50%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	1800x860x1375
	Silent	2250x960x1500
Weigh (kg)	Open	660
	Silent	950

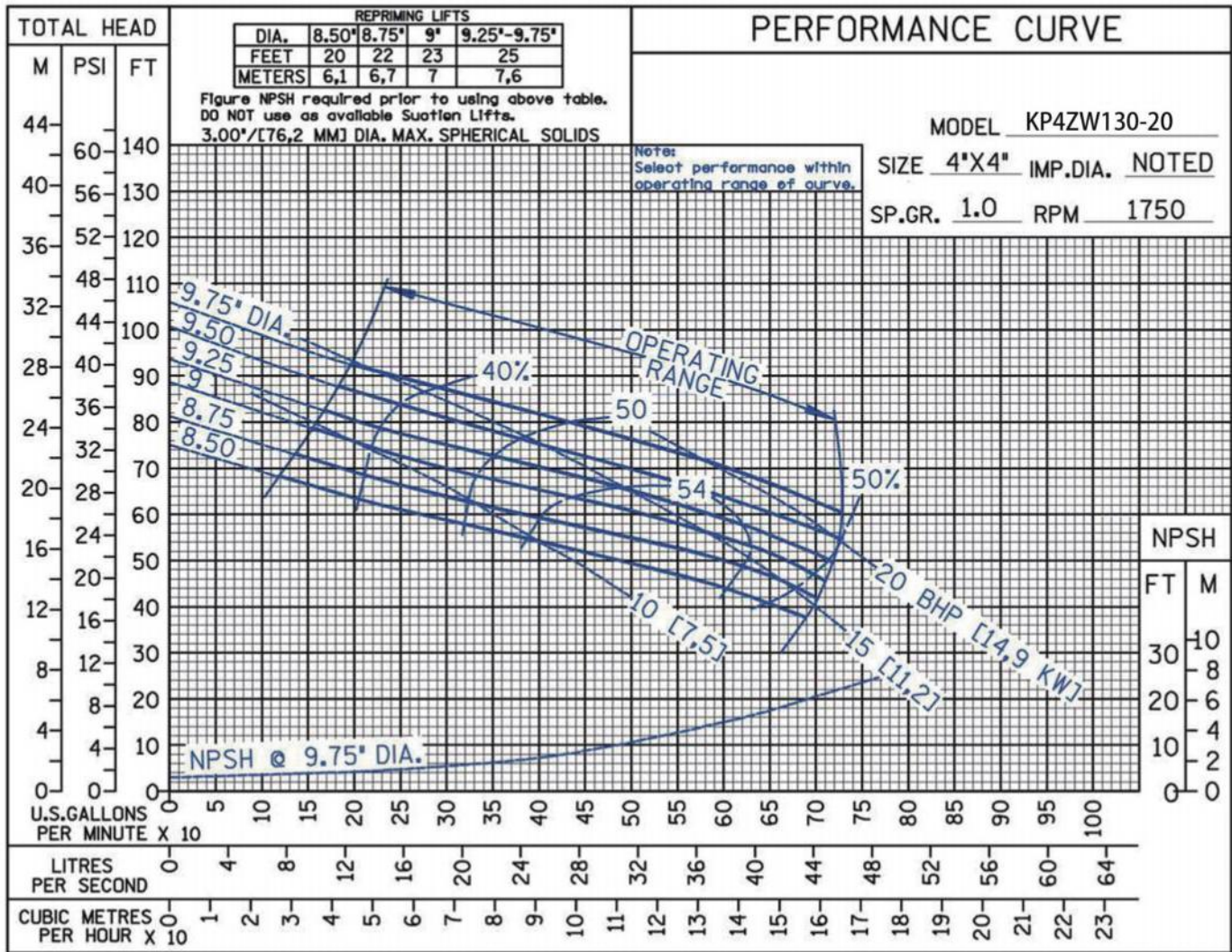
PUMP PERFORMANCE CURVE

Tested according to EN ISO 9906 Grade 2

Test liquid: water: density 1000 kg/m

Spherical solids handling: D 76mm

Impeller diameter: 248 mm



KPJ6-290

6" Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ6-290
Max. Flow rate (M ³ /H)	290
Max. head (M)	30
Solids handling(MM)	76
Silent type dB(A) @7m	70
Tank (L)	100

ENGINE SPECIFICATION

Engine Model	4B3.9-P40
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Naturally Aspirated
BorexStroke (mm)	102X120
Displacement (Liter)	3.9
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	30/1800
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	10.9
Coolant capacity (without radiator) (L)	7.2
Fuel Consumption (L/H)	7.0 @ 75% load
Starter Motor	DC24V
Start type	Electrical

PUMP SPECIFICATION

Pump Model	KP6ZW200-22
Operating speed	1750 RPM
Shaft power	22.4 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	279 mm (11")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	58%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	2150x860x1475
	Silent	2650x960x1600
Weigh (kg)	Open	1000
	Silent	1350

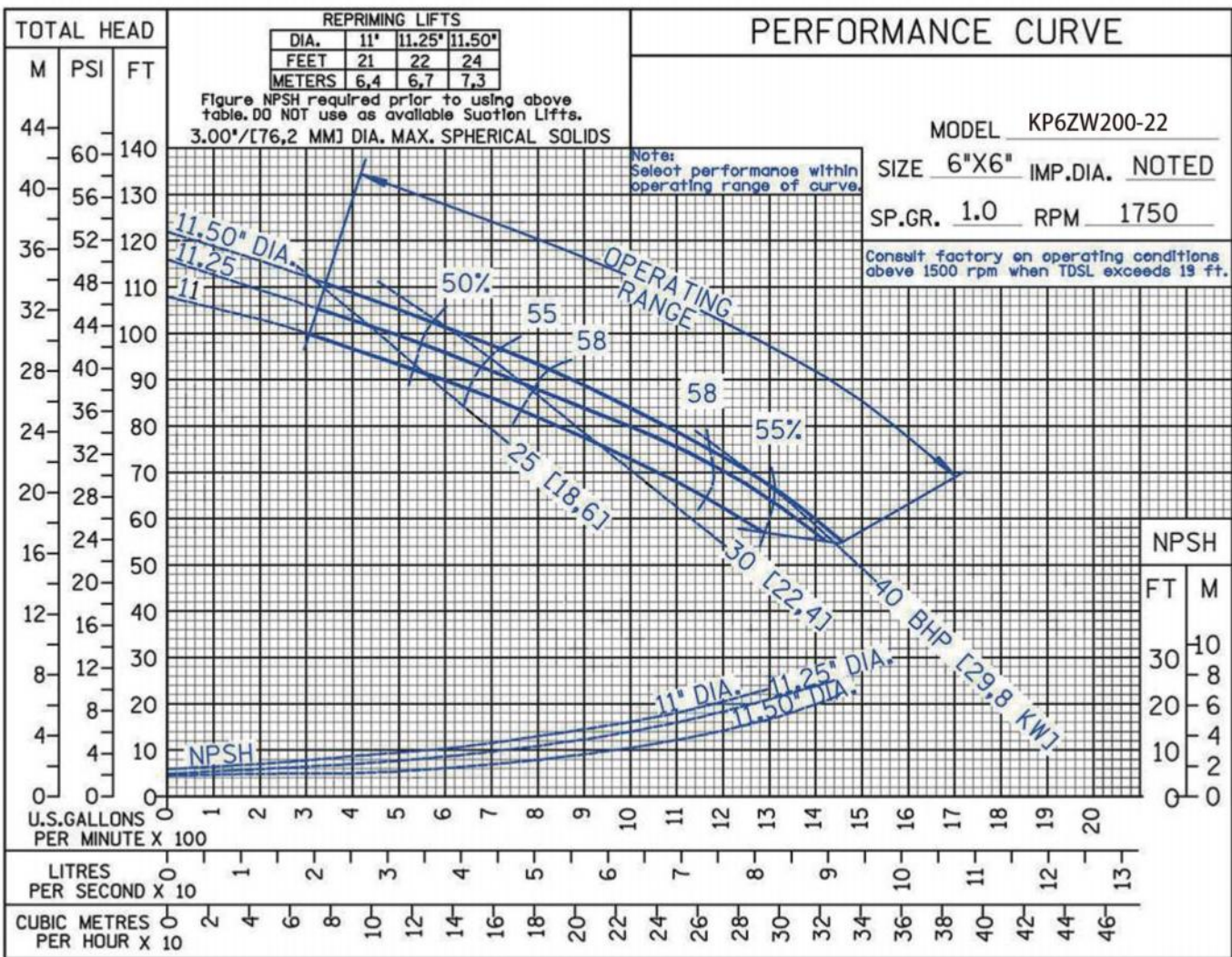
PUMP PERFORMANCE CURVE

Tested according to EN ISO 9906 Grade 2

Test liquid: water: density 1000 kg/m

Spherical solids handling: D 76mm

Impeller diameter: 279 mm



KPJ6-335

6" Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA	
Pump Set MODEL	KPJ6-335
Max. Flow rate (M³/H)	335
Max. head (M)	34
Solids handling(MM)	76
Silent type dB(A) @7m	72
Tank (L)	100

ENGINE SPECIFICATION	
Engine Model	4BT3.9-P55
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged
BorexStroke (mm)	102X120
Displacement (Liter)	3.9
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	40/1800
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	10.9
Coolant capacity (without radiator) (L)	7.2
Fuel Consumption (L/H)	8.4 @ 75% load
Starter Motor	DC24V
Start type	Electrical

PUMP SPECIFICATION		DIMENSIONS AND WEIGHT		
Pump Model	KP6ZW300-20	Size (LxWxH) (mm)	Open	2150x860x1475
Operating speed	1750 RPM			
Shaft power	29.8 kW		Silent	2650x960x1600
Max. suction head	7 m	Weigh (kg)	Open	1050
Pump casing	Ductile iron			
Impeller	Ductile iron			
Impeller diameter	292 mm (11.5")			
Pump shaft material	17-4ph stainless steel	Silent		
Shaft seals type	Mechanical seal			
Efficiency	58%			

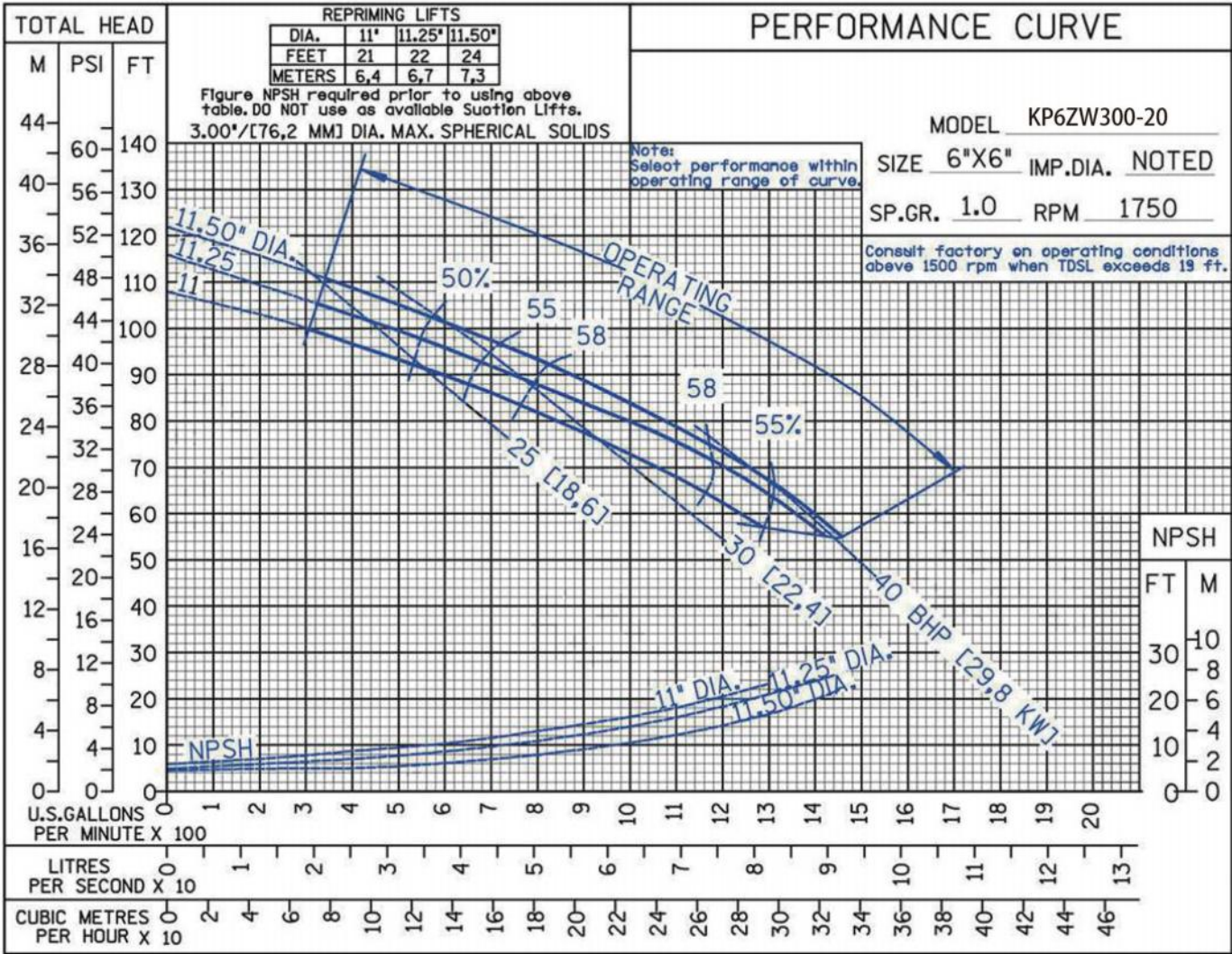
PUMP PERFORMANCE CURVE

Tested according to EN ISO 9906 Grade 2

Test liquid: water: density 1000 kg/m

Spherical solids handling: D 76mm

Impeller diameter: 292 mm



KPJ8-550

8" Self-priming Pump set

SPECIFICATION

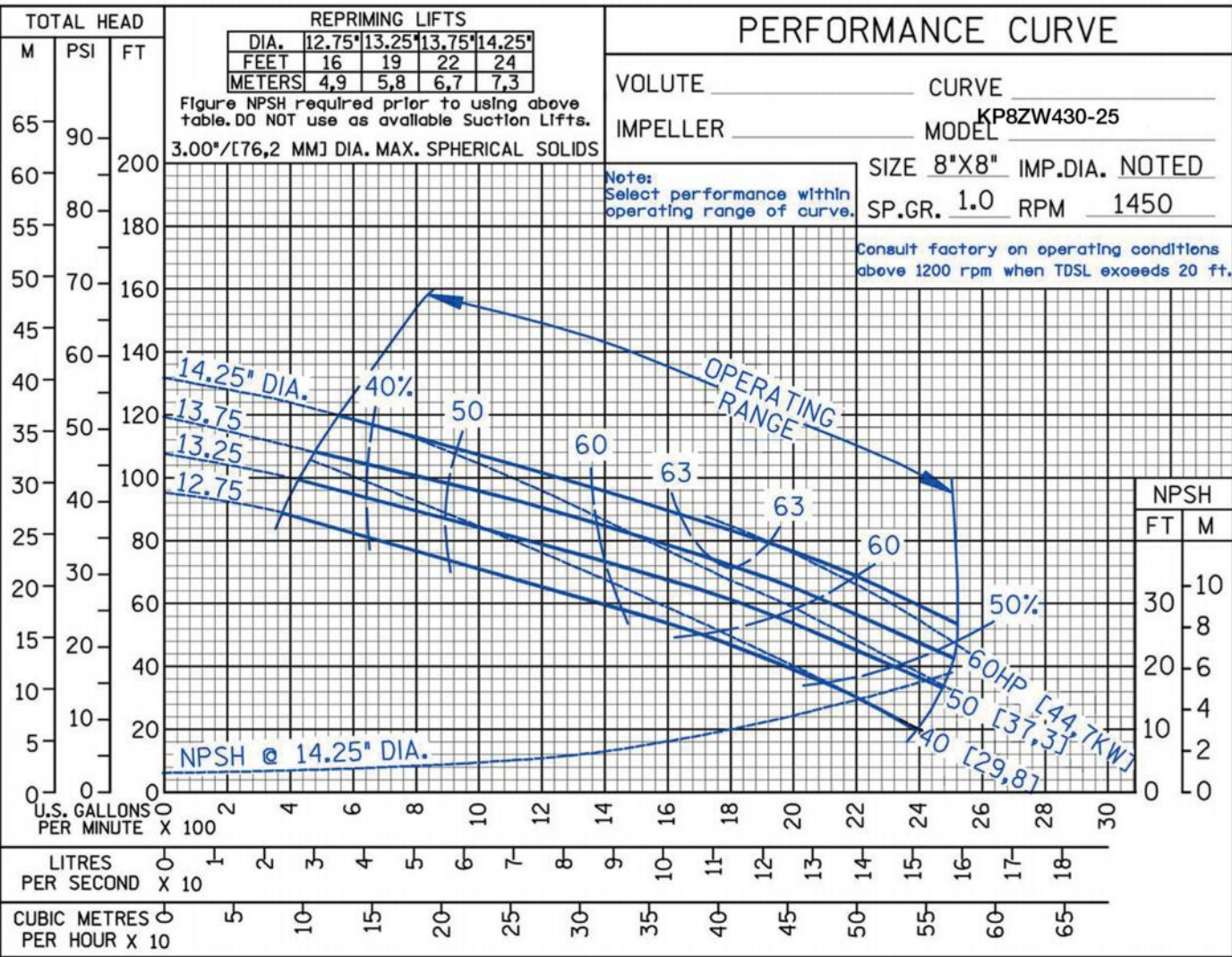
POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA	
Pump Set MODEL	KPJ8-550
Max. Flow rate (M ³ /H)	550
Max. head (M)	36
Solids handling(MM)	76
Silent type dB(A) @7m	72
Tank (L)	120

ENGINE SPECIFICATION	
Engine Model	4BTA3.9-P80
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged aftercooled
BorexStroke (mm)	102X120
Displacement (Liter)	3.9
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	58/1500
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	10.9
Coolant capacity (without radiator) (L)	7.2
Fuel Consumption (L/H)	11.4 @ 75% load
Starter Motor	DC24V
Start type	Electrical

PUMP SPECIFICATION		DIMENSIONS AND WEIGHT		
Pump Model	KP8ZW430-25	Size (LxWxH) (mm)	Open	2250X960X1675
Operating speed	1450RPM		Silent	2750x1100x1800
Shaft power	44.7 kW		Open	1400
Max. suction head	7 m	Weigh (kg)	Open	1400
Pump casing	Ductile iron		Silent	1750
Impeller	Ductile iron			
Impeller diameter	362 mm (14.25")			
Pump shaft material	17-4ph stainless steel			
Shaft seals type	Mechanical seal			
Efficiency	63%			

PUMP PERFORMANCE CURVE



SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ8-740
Max. Flow rate (M ³ /H)	740
Max. head (M)	53
Solids handling(MM)	76
Silent type dB(A) @7m	75
Tank (L)	300

ENGINE SPECIFICATION

Engine Model	6BTAA5.9-P180
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged Air-Air aftercool
BorexStroke (mm)	102X120
Displacement (Liter)	5.9
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	132/1800
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	16.4
Coolant capacity (without radiator) (L)	10
Fuel Consumption (L/H)	24.8 @ 75% load
Starter Motor	DC24V
Start type	Electrical

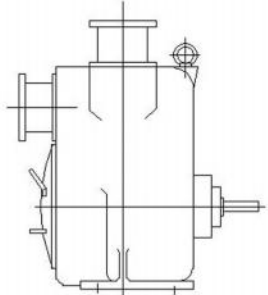
PUMP SPECIFICATION

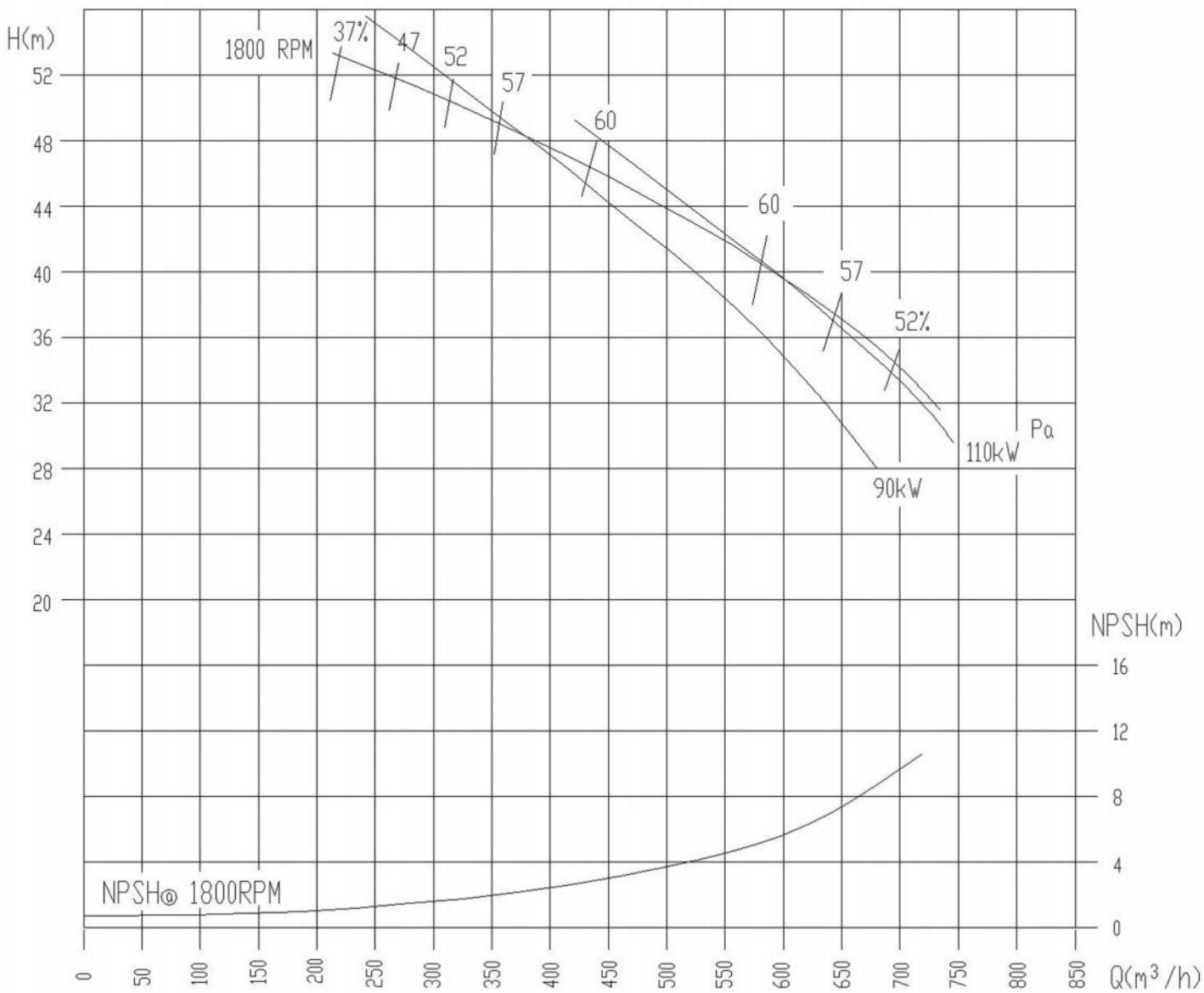
Pump Model	KP8ZW600-39
Operating speed	1800RPM
Shaft power	110 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	375 mm (14.75")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	60%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	2800X960X1675
	Silent	3300x1100x1800
Weigh (kg)	Open	1600
	Silent	2000

PUMP PERFORMANCE CURVE

	Q Capacity (m ³ /h)	H Head (m)	n Speed (r/min)	Power (kW)		η Efficiency (%)	(NPSH) _r (m)
				P _a Shaft Power	N Motor Power		
			1800	MAX 110	MAX 132	MAX 60	



KPJ10-760

10'' Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ10-760
Max. Flow rate (M ³ /H)	760
Max. head (M)	38
Solids handling(MM)	76
Silent type dB(A) @7m	72
Tank (L)	300

ENGINE SPECIFICATION

Engine Model	6BT5.9-P130
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged
BorexStroke (mm)	102X120
Displacement (Liter)	5.9
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	96/1500
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	16.4
Coolant capacity (without radiator) (L)	7.9
Fuel Consumption (L/H)	18.2 @ 75% load
Starter Motor	DC24V
Start type	Electrical

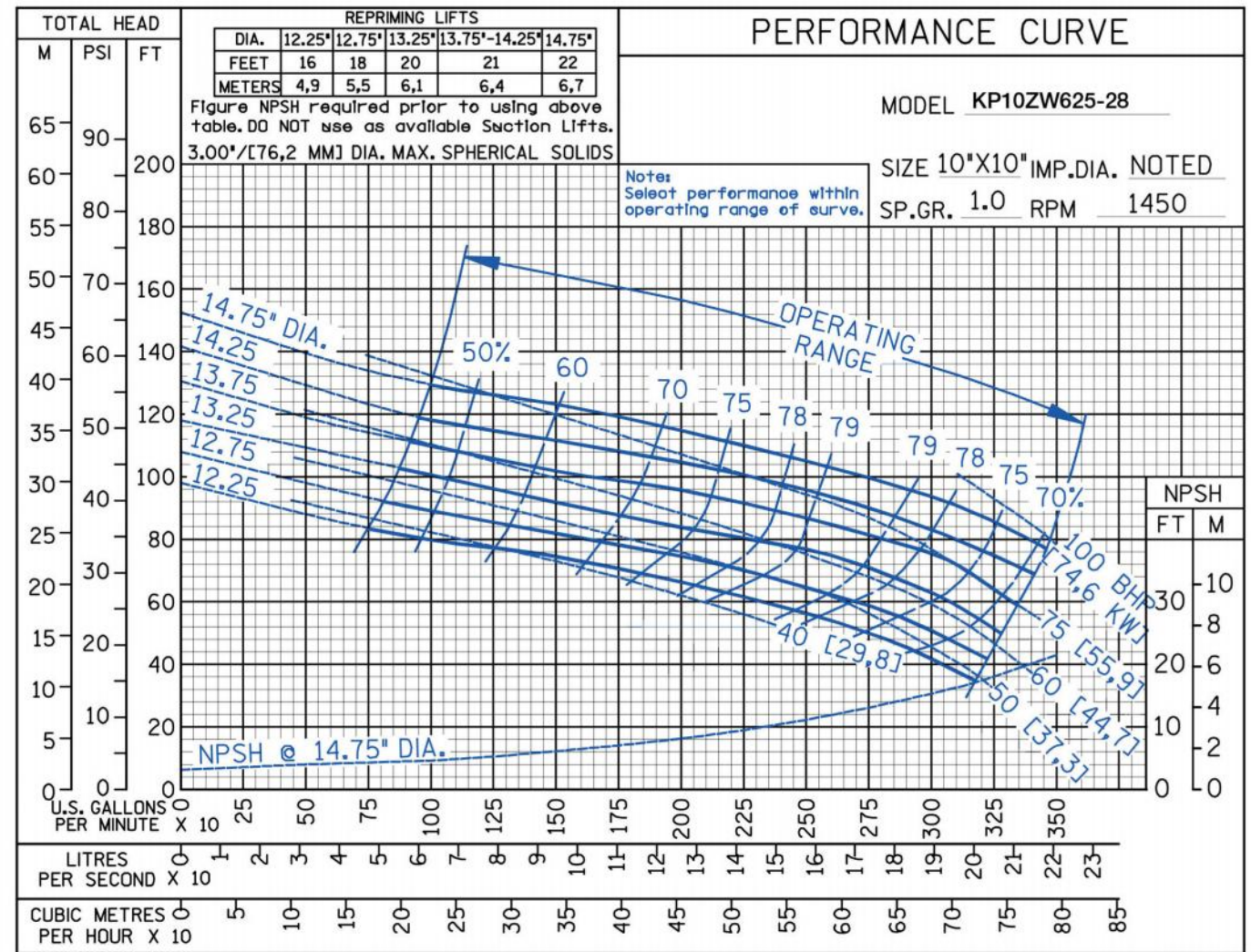
PUMP SPECIFICATION

Pump Model	KP10ZW625-28
Operating speed	1450 RPM
Shaft power	62.5 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	375 mm (14.75")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	79%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	2950X980X1700
	Silent	3300x1100x1800
Weigh (kg)	Open	1720
	Silent	2100

PUMP PERFORMANCE CURVE



KPJ10-1000

10'' Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ10-1000
Max. Flow rate (M ³ /H)	1000
Max. head (M)	55
Solids handling(MM)	76
Silent type dB(A) @7m	78
Tank (L)	350

ENGINE SPECIFICATION

Engine Model	6CTAA8.3-P260
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged Air-Air aftercool
BorexStroke (mm)	114X135
Displacement (Liter)	8.3
Compression Ratio	17.3:1
Rated Power/Speed (kW/rpm)	190/1800
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	23.8
Coolant capacity (without radiator) (L)	12.3
Fuel Consumption (L/H)	35.6 @ 75% load
Starter Motor	DC24V
Start type	Electrical

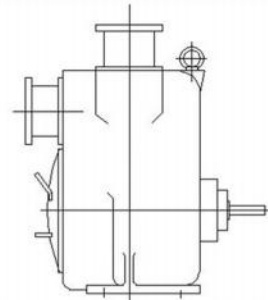
PUMP SPECIFICATION

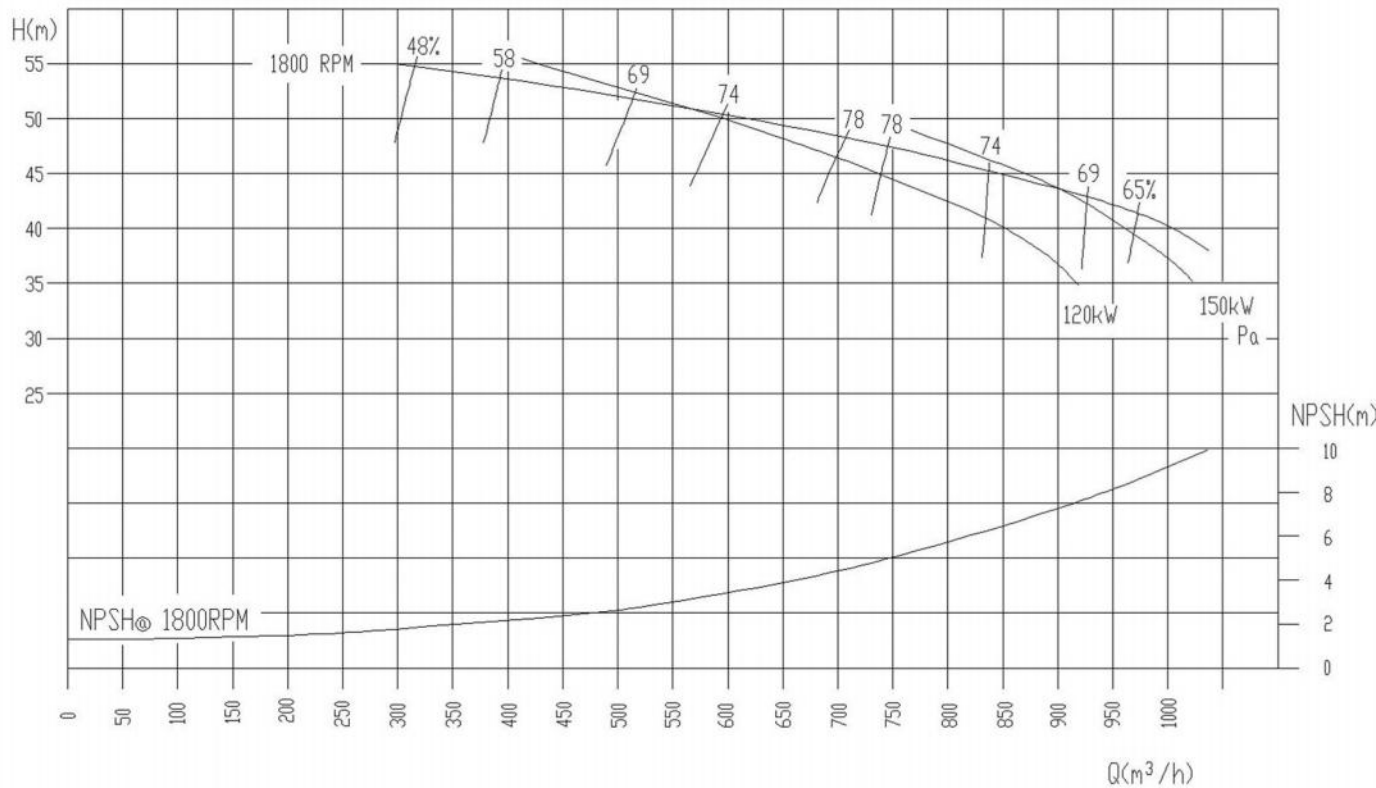
Pump Model	KP10ZW900-43
Operating speed	1800 RPM
Shaft power	150 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	375 mm (14.75")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	78%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	3150X980X1700
	Silent	3700x1100x1900
Weigh (kg)	Open	2200
	Silent	2700

PUMP PERFORMANCE CURVE

	Q Capacity (m ³ /h)	H Head (m)	n Speed (r/min)	Power (kW)		η Efficiency (%)	(NPSH) _r (m)
				P _a Shaft Power	N Motor Power		
			1800	MAX 160	MAX 185	MAX 78	



KPJ12-1400

12'' Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ12-1400
Max. Flow rate (M ³ /H)	1400
Max. head (M)	53
Solids handling(MM)	76
Silent type dB(A) @7m	80
Tank (L)	450

ENGINE SPECIFICATION

Engine Model	6LTAA8.9-P310
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged Air-Air aftercool
BorexStroke (mm)	114X145
Displacement (Liter)	8.9
Compression Ratio	16.6:1
Rated Power/Speed (kW/rpm)	230/1500
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	27.6
Coolant capacity (without radiator) (L)	11.1
Fuel Consumption (L/H)	40.6 @ 75% load
Starter Motor	DC24V
Start type	Electrical

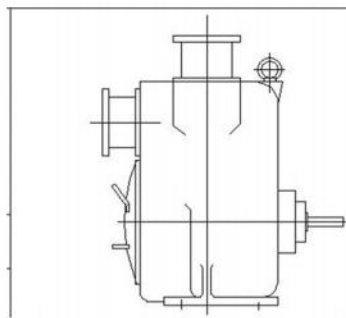
PUMP SPECIFICATION

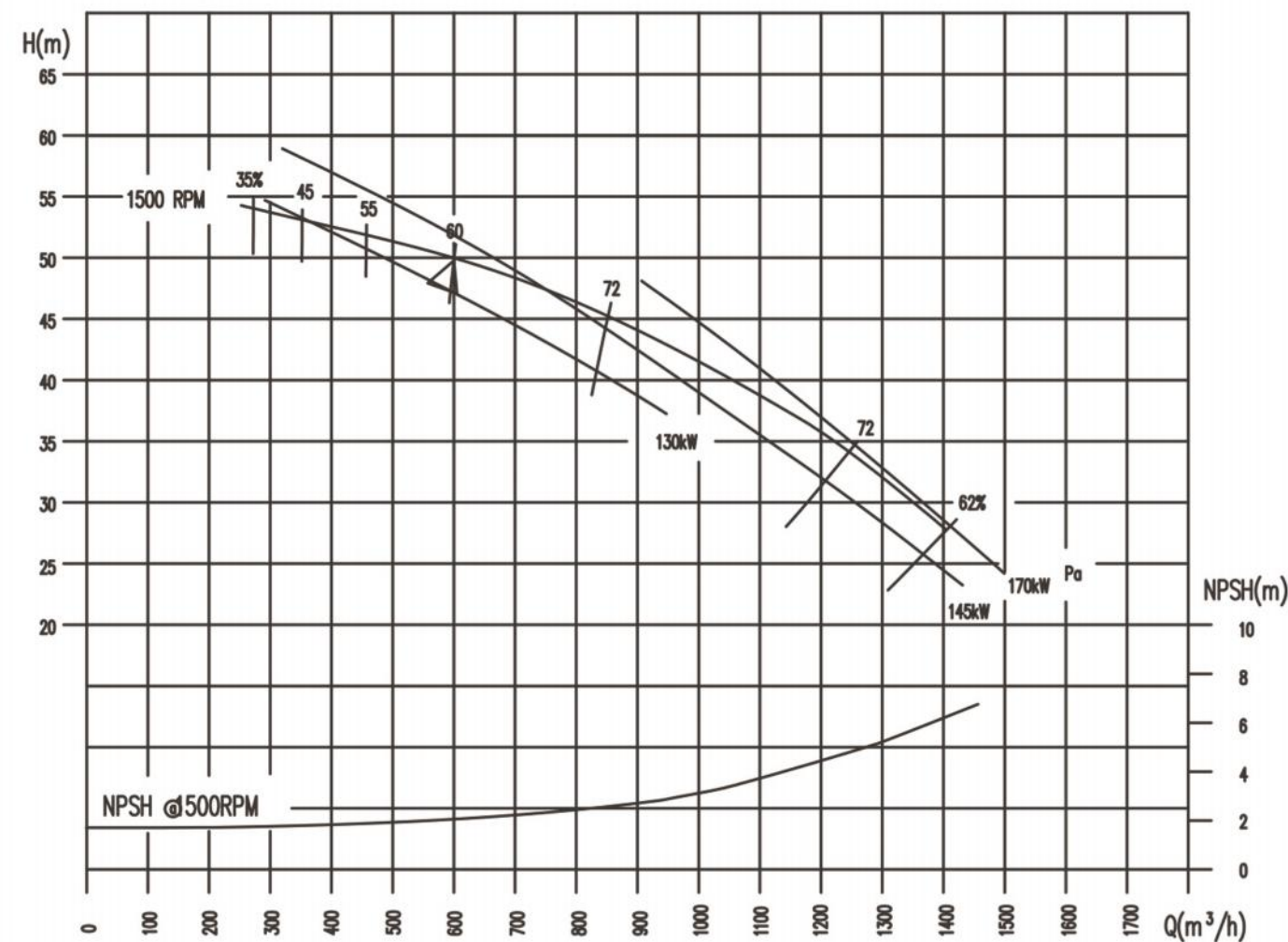
Pump Model	KP12ZW1100-37
Operating speed	1450 RPM
Shaft power	158 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	457 mm (18")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	72%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	3600X1050X1900
	Silent	4150x1100x2000
Weigh (kg)	Open	2400
	Silent	3000

PUMP PERFORMANCE CURVE

	Q Capacity (m ³ /h)	H Head (m)	n Speed (r/min)	Power (kW)		η Efficiency (%)	(NPSH) _r (m)
				P _a Shaft Power	N Motor Power		
			1500	MAX 170	MAX 230	MAX 72	



KPJ12-1570

12'' Self-priming Pump set

SPECIFICATION

POWERED BY CUMMINS

PUMP SET MAIN TECHNICAL DATA

Pump Set MODEL	KPJ12-1570
Max. Flow rate (M ³ /H)	1570
Max. head (M)	72
Solids handling(MM)	76
Silent type dB(A) @7m	85
Tank (L)	700

ENGINE SPECIFICATION

Engine Model	QSZ13-P450
Number of Cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged Air-Air aftercool
BorexStroke (mm)	130X163
Displacement (Liter)	13
Compression Ratio	17.1:1
Rated Power/Speed (kW/rpm)	340/1800
Speed Governor	ECU
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤10%
Total lubrication system capacity (L)	33
Coolant capacity (without radiator) (L)	23.1
Fuel Consumption(L/H)	62 @ 80% load
Starter Motor	DC24V
Start type	Electrical

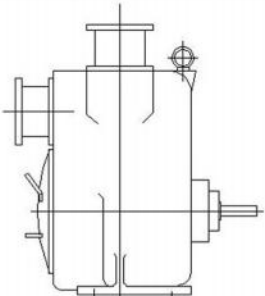
PUMP SPECIFICATION

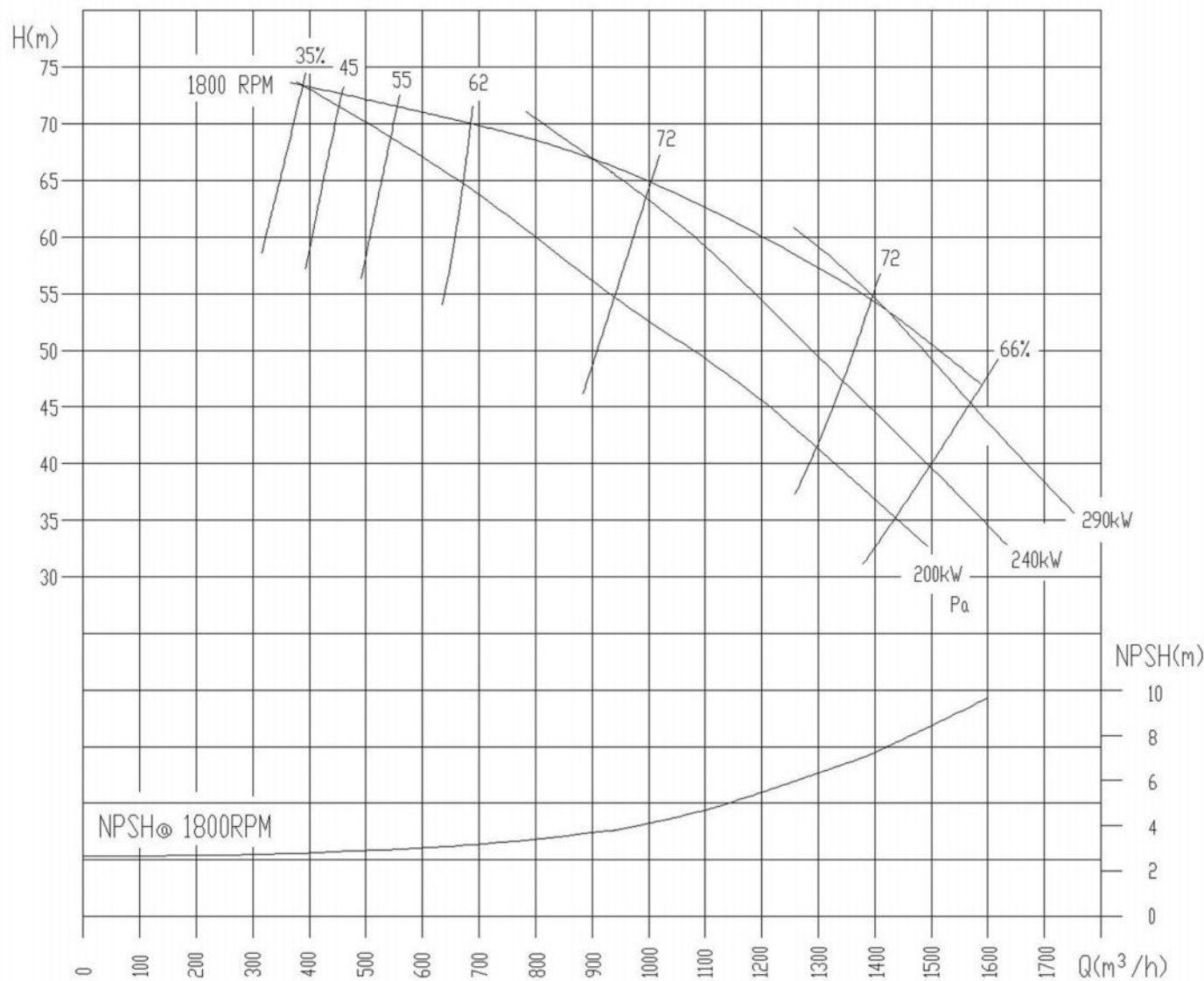
Pump Model	KP12ZW1400-53
Operating speed	1800 RPM
Shaft power	290 kW
Max. suction head	7 m
Pump casing	Ductile iron
Impeller	Ductile iron
Impeller diameter	457 mm (18")
Pump shaft material	17-4ph stainless steel
Shaft seals type	Mechanical seal
Efficiency	72%

DIMENSIONS AND WEIGHT

Size (LxWxH) (mm)	Open	4050X1400X2250
	Silent	4600x1600x2250
Weigh (kg)	Open	4300
	Silent	5000

PUMP PERFORMANCE CURVE

	Q Capacity (m ³ /h)	H Head (m)	n Speed (r/min)	Power (kW)		η Efficiency (%)	(NPSH) _r (m)
				P _a Shaft Power	N Motor Power		
			1800	MAX 290	MAX 315	MAX 72	



CONSTRUCTION MATERIALS

	Standard	Type A	Type B	Type C	Type D	Type E	Type F	Type G
Casing			A 48CL30			CD4 MCU	SS 316	ADI
Impeller	A 60-40-18	A 216	CD4 MCU	SS 316	ADI	CD4 MCU	SS 316	ADI
Wear Plate	SAE 1020	A 216	CD4 MCU	SS 316	ADI	CD4 MCU	SS 316	ADI
Cover Plate	A 48CL30	A 216	CD4 MCU	SS 316	ADI	CD4 MCU	SS 316	ADI
Bearing Housing			A 48CL30			CD4 MCU	SS 316	ADI
Seal Plate	A 48CL30	A 216	CD4 MCU	SS 316	ADI	CD4 MCU	SS 316	ADI
Flap Valve			Neoprene				Viton	
Sleeve Shaft	ANSI 4140HT				ANSI 17-4			
Flange			A 48CL30		ADI	SS 316	SS 316	ADI
O' rings		Buna				Viton		
Impeller Shaft	ANSI 4140HT				ANSI 17-4			
Mechanical Seal			Casing in SS 316, O' rings in buna & viton, faces in titanium and tungsten carbide.					

THE MECHANICAL SEAL FOR ALL MODELS HAS A 316SS BODY, VITON O'RINGS AND TUNGSTEN CARBIDE FACES.
OTHER SEALS AVAILABLE UPON REQUEST.

ALL CAST IRON PARTS ARE ASTM 48, CLASS 30.
ALL CARBON STEEL SHAFTS ARE SAE 4140 HT.
ALL PARTS LABELED CD4 ARE HARDENED 18-8 STAINLESS STEEL, CD4, DIN 1-4463.
ALL PARTS LABELED 316SS ARE CF8M.
EPOXY AND CERAMIC INTERNAL COATINGS ARE AVAILABLE. PLEASE CALL FOR QUOTE.



Bauer Coupling

Material: Carbon Steel-Zinc Plated
Size: 2"/ 3"/ 4"/ 6"/ 8"/ 10"/ 12"



Diesel Water Pump Set

Self-priming hand-carry diesel pump. Particularly suitable to supply and distribute clean water for agricultural and gardening purposes, when an electrical connection is not available.



Diesel Trash Pump Set

Self-priming hand-carry diesel trash pump. Particularly suitable to supply and distribute trash water for agricultural and industrial purposes, when an electrical connection is not available. Maximum solid handling up to 27mm.

SPECIFICATIONS

	Diesel Water Pump Set			Diesel Trash Pump Set		
Model	KPP20(E)	KPP30(E)	KPP40(E)	KPTP20(E)	KPTP30(E)	KPTP40(E)
Type	Self-priming, Centrifugal pump			Self-priming, Centrifugal pump		
Inlet/Outlet	50mm (2 inch)	80mm (3 inch)	100mm (4 inch)	50mm (2 inch)	80mm (3 inch)	100mm (4 inch)
Total Head	31m	28m	27m	27m	27m	30m
Suction Head		8m			8m	
Delivery Volume	600L/min	1000L/min	1600L/min	700L/min	1300L/min	1700L/min
Solid Handling		--		20mm	27mm	27mm
Pump Body	Aluminium Alloy			Aluminium Alloy		
Impeller	Cast Iron			Cast Iron		
Mechanical Seal	Carbon-Ceramic			Silicon Carbide		
Engine Type	Forced air cooled, 4-stroke diesel engine			Forced air cooled, 4-stroke diesel engine		
Engine Model	170FA(E)	178FA(E)	186FA(E)	178FA(E)	186FA(E)	188FV(E)
Displacement	219 cc	306cc	418cc	306cc	418cc	474cc
Rated Output	2.8kW(3.8hp) @3600rpm	4.0kW(5.5hp) @3600rpm	6.3kW(8.6hp) @3600rpm	4.0kW(5.5hp) @3600rpm	6.3kW(8.6hp) @3600rpm	7.5kW(10.2hp) @3600rpm
Fuel Tank Capacity	2.5 L	3.5 L	5.5 L	12.5 L		
Fuel Consumption Rate	347ml/kW.h @3600rpm	335ml/kW.h @3600rpm	318ml/kW.h @3600rpm	335ml/kW.h @3600rpm	318ml/kW.h @3600rpm	335ml/kW.h @3600rpm
Starting System	Manual Start E: Electric Start			Manual Start E: Electric Start		
Dry Weight (kg)	40	52	67.5	80	97	121