

Surface and submersible pumps solutions

US market



People.
Passion.
Performance.



Chicago
Pneumatic

CPWE pumps Submersible pumps

CPWE pumps have evolved from a long history of improvements and are designed be portable, easy, reliable and efficient. They cater to a wide range of dewatering application from mines, process water, municipal and general dewatering. Low weight and high performance becomes a game changer when you have move pumps to multiple locations. This is where



Powerful &
portable



Up to
700 gpm



Designed for **easy**
service



Up 15%
lighter



High **corrosion**
resistance

CPWE pumps make the difference and become a preferred choice of customers. The modular design helps in servicing the pump with ease. With the inbuilt electrical protections inside a sealed unit, installing the pump is a matter of minutes. These small things make a difference when have to be quick and flexible in the field.

CPWE
(SUBMERSIBLE PUMPS)

CP
(PNEUMATIC PUMPS)



CPWE D



CPWE S



CP



Media:
Water density up to
68.67 lb/cu ft

Design:
Top discharge

Solid Handling:
0.16 - 0.47 inch
PH values: from 5 to 8



Media:
Water density up to
87.4 lb/cu ft

Design:
Bottom side discharge

Solid Handling:
1-2 inch
PH values: from 5 to 8



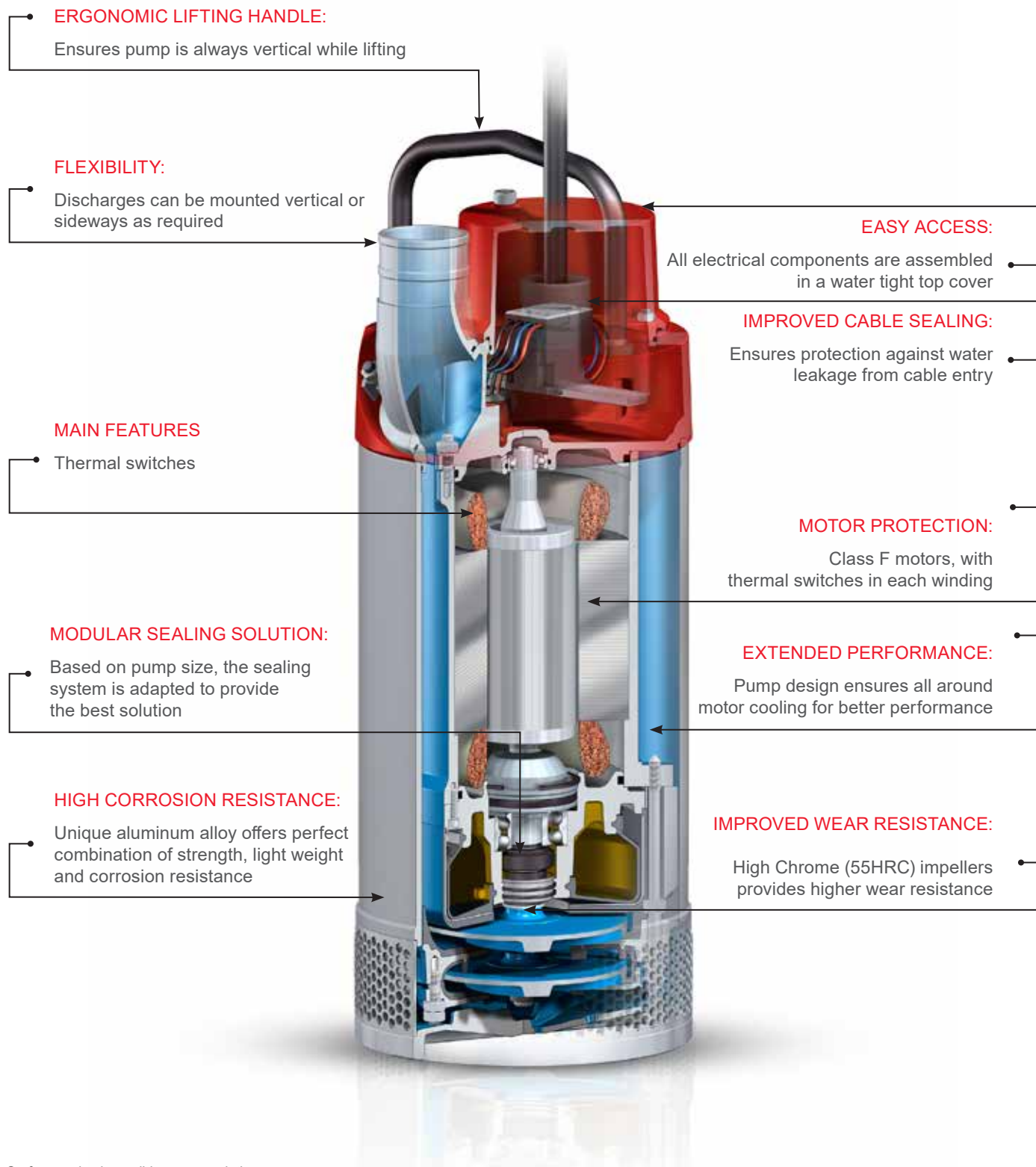
Media:
Abrasive media with high
solid content

Design:
Bottom side discharge

Solid Handling:
Up to 1 inch

CPWE D pumps – Product features

The CPWE D pumps are designed for drainage applications in tough environments such as mines, construction or tunnels sites.





CPWE D pumps

Technical Specifications



CPWE D PUMPS

Specifications

		CPWE D04N	CPWE D04BN	CPWE D08N	CPWE D10N		CPWE D30L	
		1ph	1ph	1ph	1ph	3ph	1ph	3ph
Max. head	ft	39.4	39.4	53.3	52	52	58	58
Max. flow	US gpm	67.6	59.4	79.3	117	119	370	370
	m ³ /h	15.0	13.5	19.5	28	29	75	75
Rated output	hp	0.5	0.5	1.0	1.5	1.3	3.0	3.0
Max. power input	kW	0.65	0.65	1.2	1.5	1.2	3.1	2.9
Discharge connection	in	2"	1" (2" optional)	2"	2"	2"	3" (4")	3" (4")
Max solid handling size	in	0.3"	0.18"	0.3"	0.16"	0.16"	0.27"	0.27"

Weight and dimensions

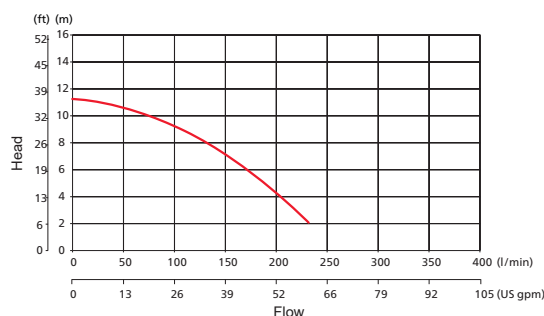
Weight	lbs	20.0	21.0	27.4	27.5	27.5	44.0	44.0
Height	in	13.4	16.4	14.1	15.5	15.5	20.6	20.6
Width	in	8.3	10.0	8.3	8.8	8.8	11.4	11.4
Diameter	in	7.2	8.7	7.3	7.3	7.3	8.7	8.7

Applications

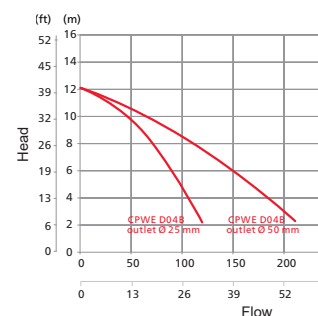
- General dewatering
- General construction
- Mining
- Tunneling

Performance Curves

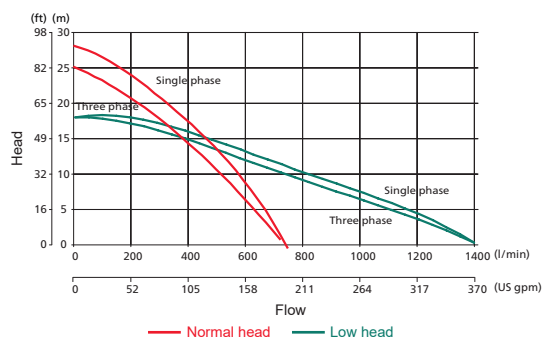
CPWE D04N



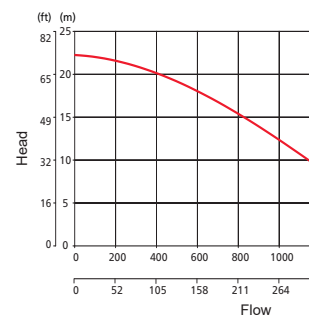
CPWE D04BN



CPWE D30L, CPWE D30N



CPWE D40N



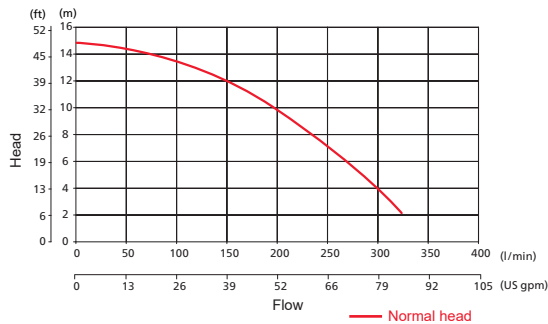


CPWE D30N		CPWE D40N	CPWE D50N	CPWE D50H	CPWE D60N	CPWE D60H	CPWE D60SH
1ph	3ph	3ph	3ph	3ph	3ph	3ph	3ph

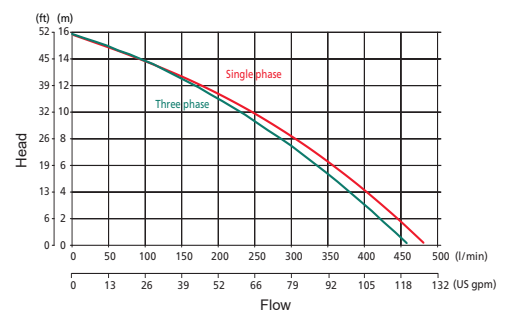
90	83	72	83	135	100	170	250
200	190	450	620	310	700	340	260
51	51	79	138	72	156	90	63
2.7	2.5	4.3	8.5	8.5	11.5	11.5	11.5
3.0	2.6	4.0	7.5	7.5	10.0	10.0	10.0
3" (4")	3" (4")	3" (4")	4" (3")	3" (4")	4" (3")	3" (4")	3" (4")
0.27"	0.27"	0.27"	0.32"	0.32"	0.32"	0.32"	0.32"

44.0	44.0	55.0	122.0	122.0	134.0	134.0	138.0
19.4	19.4	20.6	28.3	28.3	29.9	29.9	29.9
11.4	11.4	11.4	13.0	11.9	13	11.9	11.9
8.7	8.7	8.7	10.9	10.9	10.9	10.9	10.9

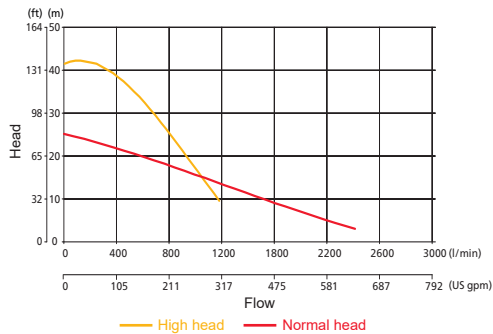
CPWE D08N



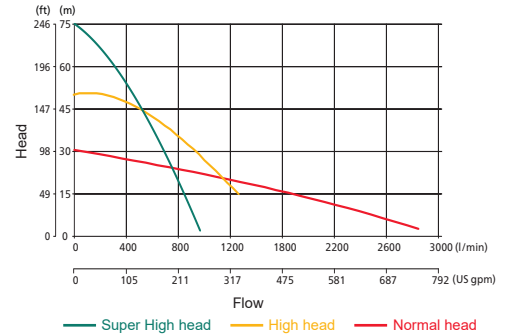
CPWE D10N



CPWE D50N, CPWE D50H

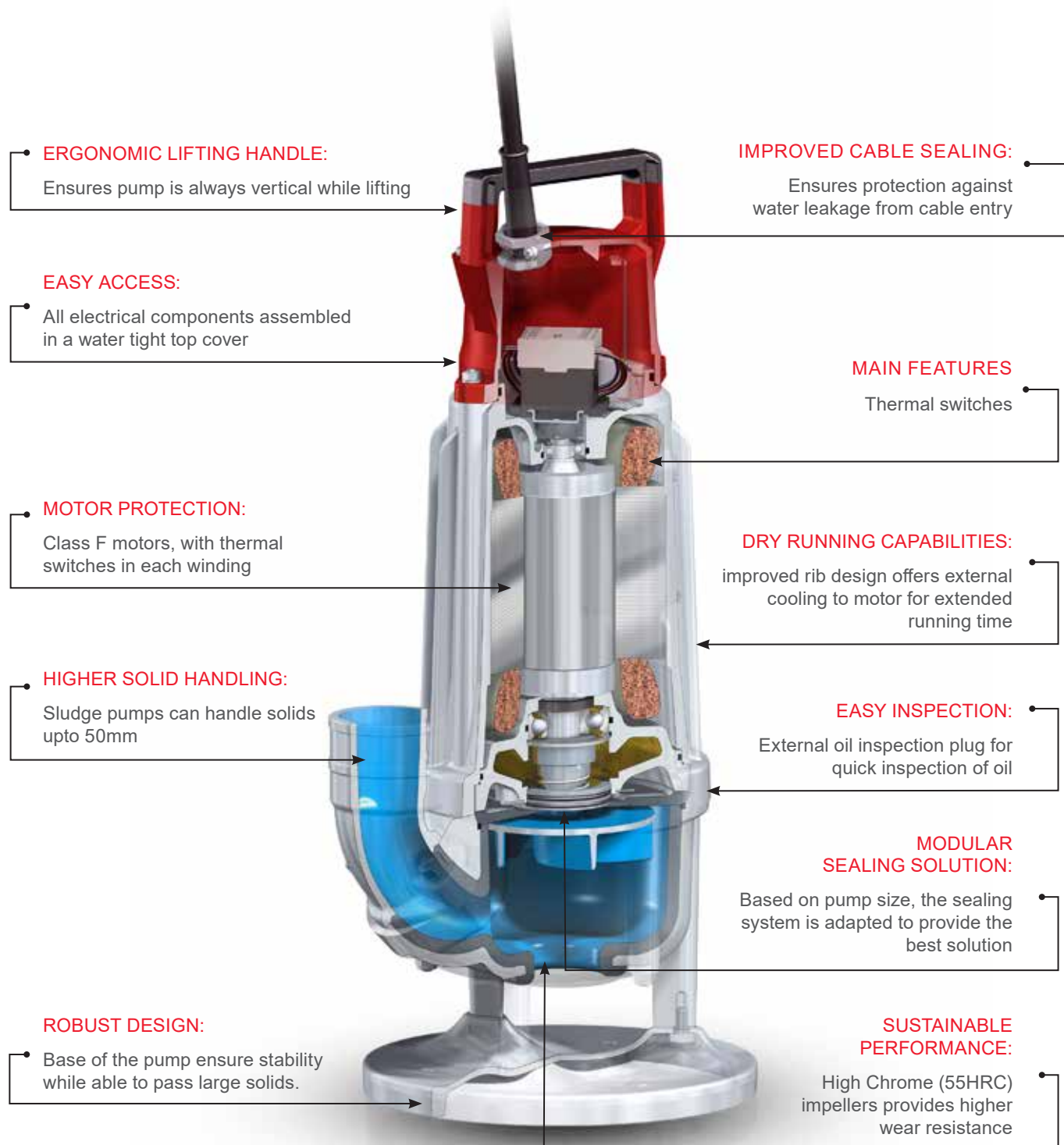


CPWE D60N, CPWE D60H, CPWE D60SH



CPWE S pumps – Product features

The CPWE S pumps are designed for pumping water with high content of solids, up to 2 inches of size in hard environments like quarries, mines or tunnel sites.



CPWE S pumps

Technical Specifications



CPWE S PUMPS

CPWE S04N	CPWE S08N	CPWE S30N		CPWE S50N	CPWE S60N
1ph	1ph	1ph	3ph	3ph	3ph

Specifications

Max. head	ft	32.8	48.6	51	61	92	100
Max. flow	US gpm	58.1	76.6	190	230	370	420
	m³/h	16.2	19.0	43	52	84	95
Rated output	hp	0.5	1.0	3.0	4.0	6.2	9.2
Max. power input	kW	-	-	2.8	3.6	7.0	8.0
Discharge connection	in	2"	2"	3"	3"	4" (3")	3" (4")
Max solid handling size	in	1"	1"	2"	2"	2"	2"

Weight and dimensions

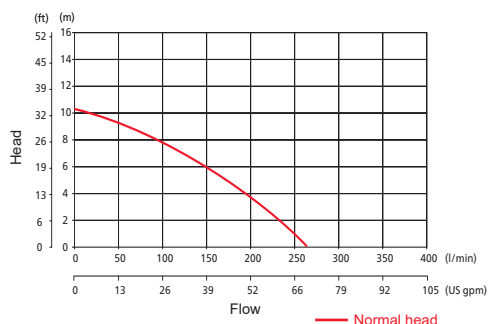
Weight	lbs	22.1	28.7	55	55	130	143
Height	in	14.7	16.38	24.3	24.3	32	34.2
Width	in	10.9	10.9	12.8	12.8	18	17.7
Diameter	in	9.5	9.5	9.8	9.8	14	13.8

Applications

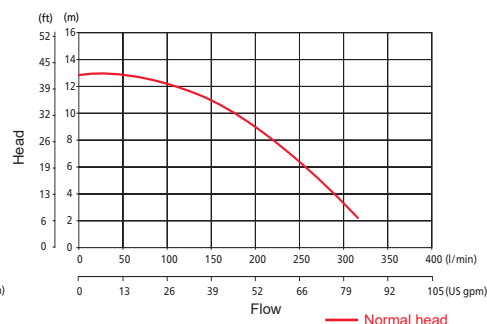
- Construction
- Mining
- Tunneling
- Tank clean-out
- Trench and pond cleaning

Performance Curves

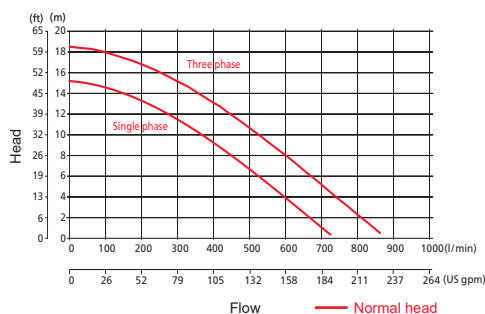
CPWE S04N



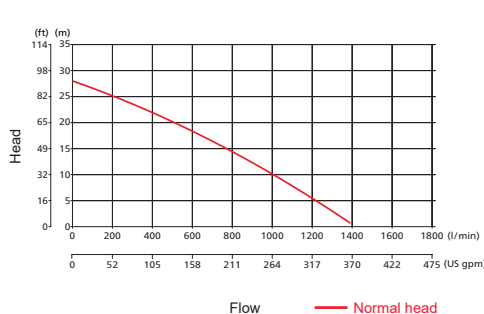
CPWE S08N



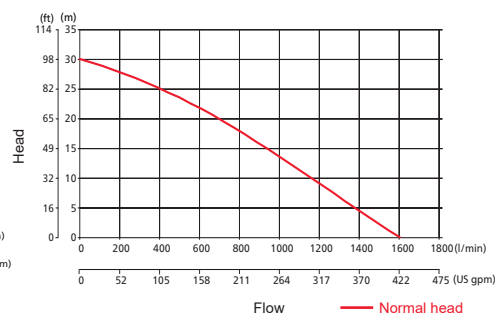
CPWE S30N



CPWE S50N



CPWE S60N



Pneumatic pumps

Chicago Pneumatic's pneumatic pumps are suitable for pumping sea water and certain corrosive chemicals as well as water from trenches, ditches, manholes, etc. They can be used in industrial sumps and excavations: wet drilling applications where the pumped liquid contains rock fragments or other solids. The sludge pump can handle liquids containing up to 15 percent solids and including particles up to 1" (25 mm) in size. The pump should not be used to pump flammable liquids.



PNEUMATIC PUMPS

		CP 10	CP 20	CP 77
Power	kW	2,2	2,9	-
Weight	kg	19,5	30,5	69
Min opening needed	mm	210x230	230x240	584X268
Min water depth	mm	22	22	-
Max suction lift	m	-	-	6,1
Max head	m	30,5	27,4	53
Air consumption	l/s	47	51	40
Air inlet	inch	3/4" NPT	3/4" NPT	3/4" NPT
Air outlet	inch	1" NPT	1 1/4" NPT	1" NPT
Discharge inlet	inch	-	-	3" BSP
Discharge outlet	inch	(2" NPT)	2½" BSP	2 1/2" NPT
Max solid content		-	-	15%
Sound power level guaranteed (2000/14/EC) 1)	dB(A)	122	122	111
Sound pressure level (ISO 11203) 1)	dB(A)	109	109	98
Sound power uncertainty value K	dB(A)	2,5	2,5	2,5
Recommended air supply hose size	mm	19	25	25

Key features:

- Cast-iron housing
- Integral oiler provides continuous lubrication
- No damage running without load
- Long life/low maintenance
- Extremely durable

CPWE 10, CPW 20:

- Bronze impeller
- Direct driven single stage centrifugal unit driven by powerful vane motor
- Integral strainer, air inlet valve
- Double seals protect bearings and motor from water and mud
- Safe to use in most environments

CPWE 77:

- Has no motor or diaphragm to wear out
- Operates on venturi/ejector principle
- Exhaust muffler reduces noise level



CPP pumps Vacuum prime centrifugal pumps

CPP medium flow pump range is packed with features that not only meet, but exceed the needs of the market. We are focused on an efficient, extremely versatile pump that is suitable for many industries, including construction, general dewatering and emergency applications, such as flood clean up.

- **LOW SUCTION HEIGHT FROM GROUND TO EYE OF IMPELLER**

Easy handling of pipe work connection and best possible performance due to low suction lift

- **SWING DOOR AT PUMP HOUSING**

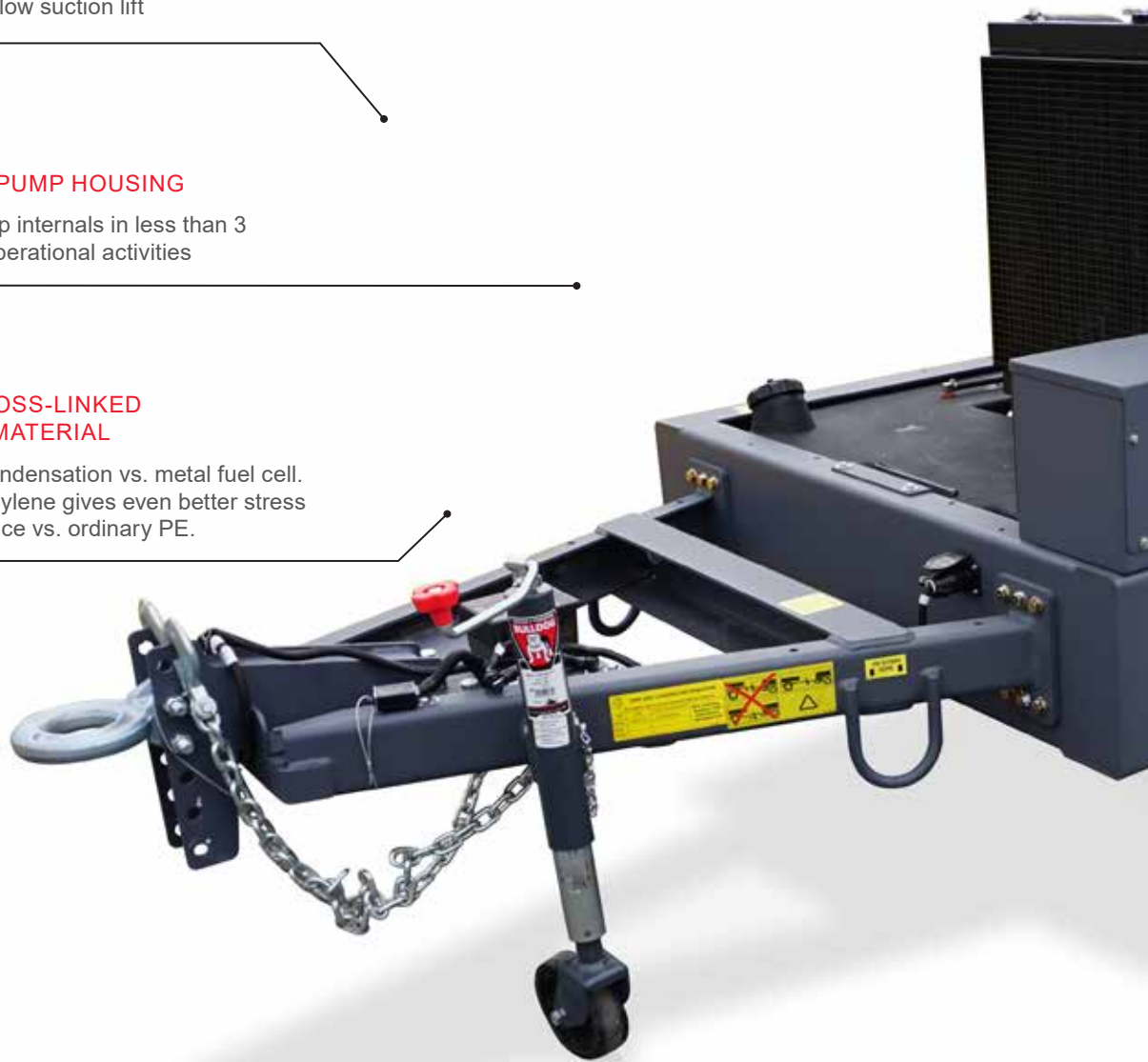
Easy access to pump internals in less than 3 minutes to reduce operational activities

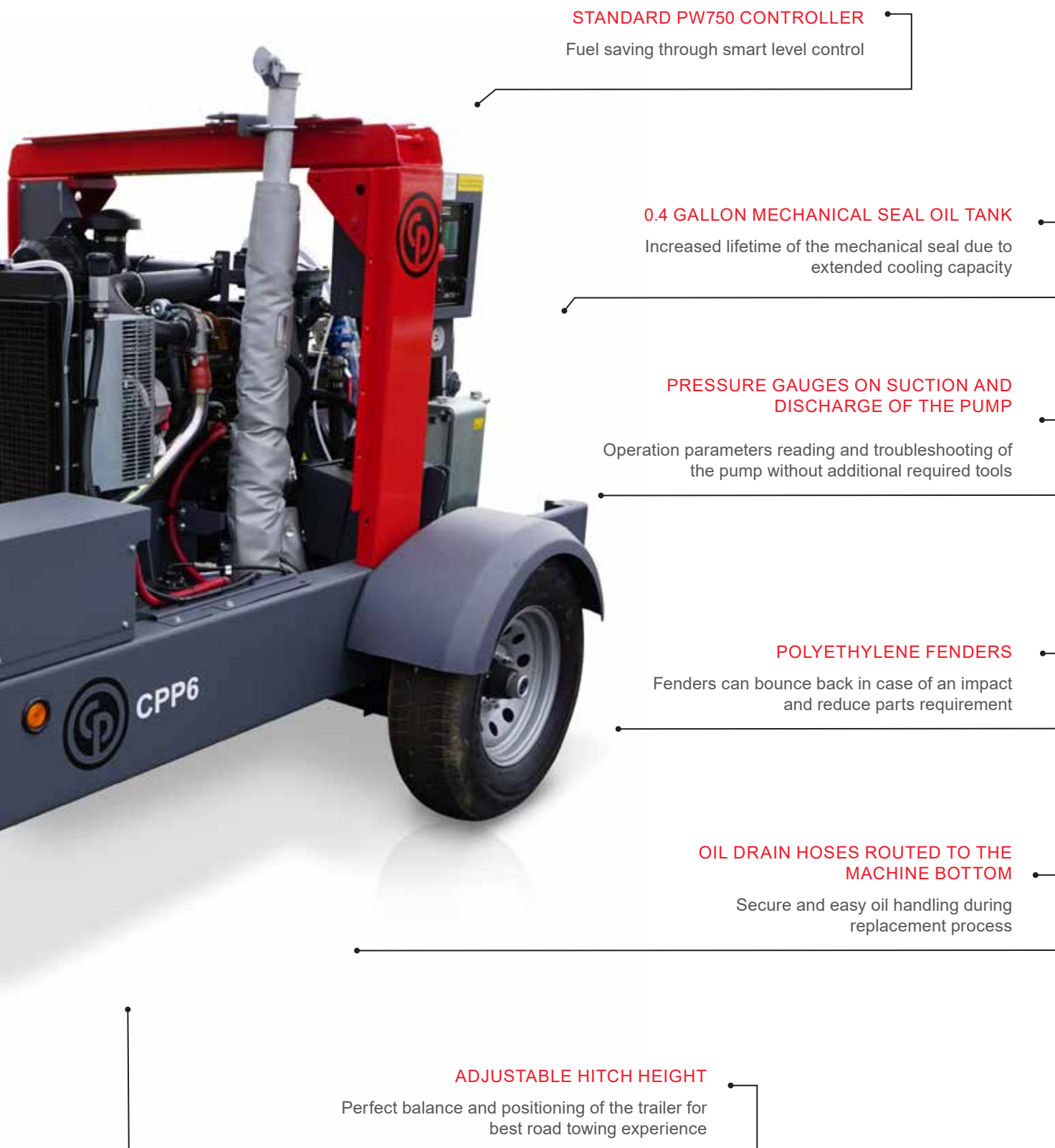
- **FUEL CELL IN CROSS-LINKED POLYETHYLENE MATERIAL**

No corrosion and condensation vs. metal fuel cell. Cross-linked polyethylene gives even better stress and thermal resistance vs. ordinary PE.

- **LINK BELT FOR VACUUM PUMP DRIVE**

No requirement to decouple the pump from the engine to replace the vacuum pump belt





STANDARD PW750 CONTROLLER

Fuel saving through smart level control

0.4 GALLON MECHANICAL SEAL OIL TANK

Increased lifetime of the mechanical seal due to extended cooling capacity

PRESSURE GAUGES ON SUCTION AND DISCHARGE OF THE PUMP

Operation parameters reading and troubleshooting of the pump without additional required tools

POLYETHYLENE FENDERS

Fenders can bounce back in case of an impact and reduce parts requirement

OIL DRAIN HOSES ROUTED TO THE MACHINE BOTTOM

Secure and easy oil handling during replacement process

ADJUSTABLE HITCH HEIGHT

Perfect balance and positioning of the trailer for best road towing experience

CPP pumps Vacuum prime centrifugal pumps

CPP PUMPS

CPP 4-25 T4F YD

CPP 4-49 T4F KD

CPP 6-74 T4F KD

CPP 8-100 T4F PD

Specifications

Max capacity	US gpm	1230	1230	2250	3740
Max head	ft	110	164	167	164
Max. solids handling	in	1.8	3	3	3
Eff. max	%	75	70	70	75

Engine

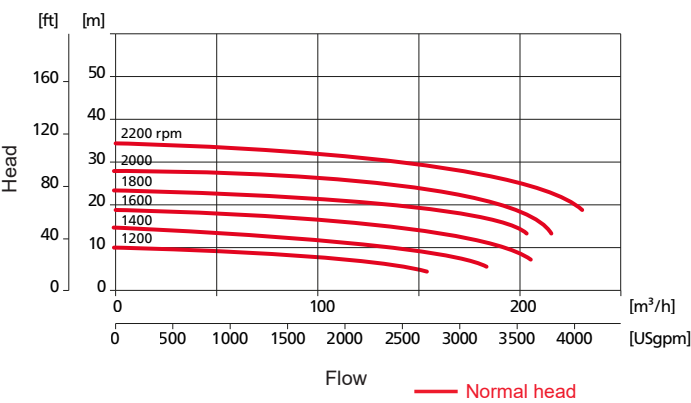
Model		Yanmar 3TNV88	Kohler KDI 1903TCR	Kohler KDI 2504TCR	Perkins 904J-E36TA
No. cylinders		3	3	4	4
Cooling system		Liquid with radiator	Liquid with radiator	Liquid with radiator	Liquid with radiator
Rpm type		Variable	Variable	Variable	Variable
Standard speed	rpm	2200	2200	2200	2200
Max. engine power	HP	25	49	74	100
US emissions		EPA Tier 4F	EPA Tier 4F	EPA Tier 4F	EPA Tier 4F
Starting		Electric	Electric	Electric	Electric
Starting voltage	V	12	12	12	24
Fuel consumption	US Gal/hr	1	1.8	3.5	4.7

Dimensions and weight

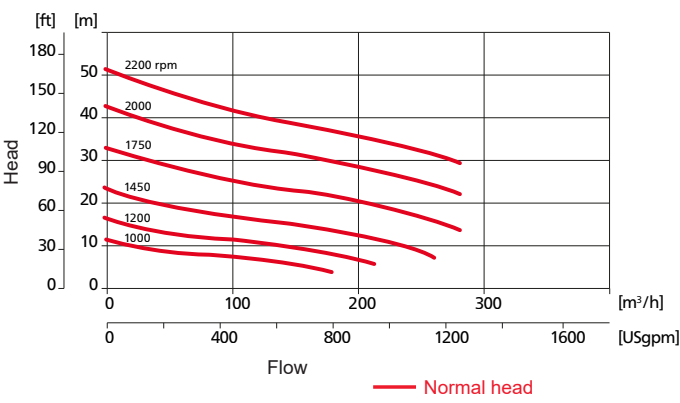
Length	in	131	138	150	157
Width	in	68	70	76	76
Height	in	83	68	72	77
Weight (dry)	lb	2700	3105	4085	5100

Performance Curves

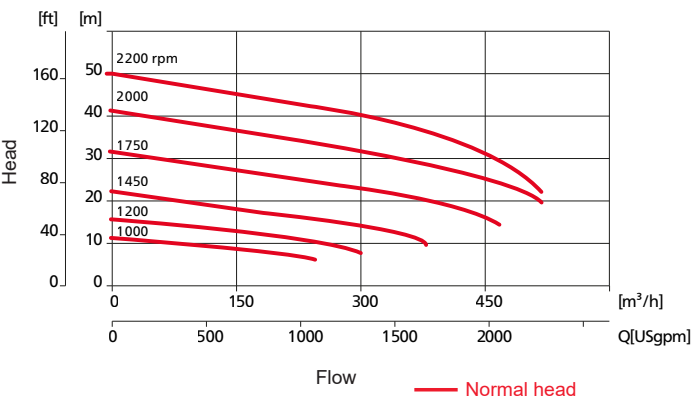
CPP 4-25 T4F YD



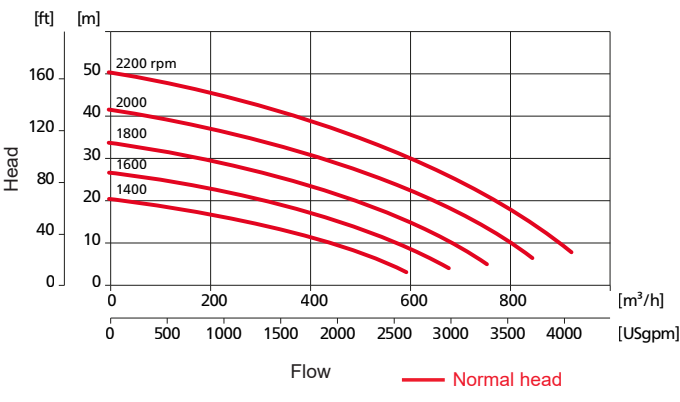
CPP 4-49 T4F KD



CPP 6-74 T4F KD



CPP 8-100 T4F PD





Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, Chicago Pneumatic has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well. To learn more, visit www.cp.com.

For more information, please contact your CP partner:

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.