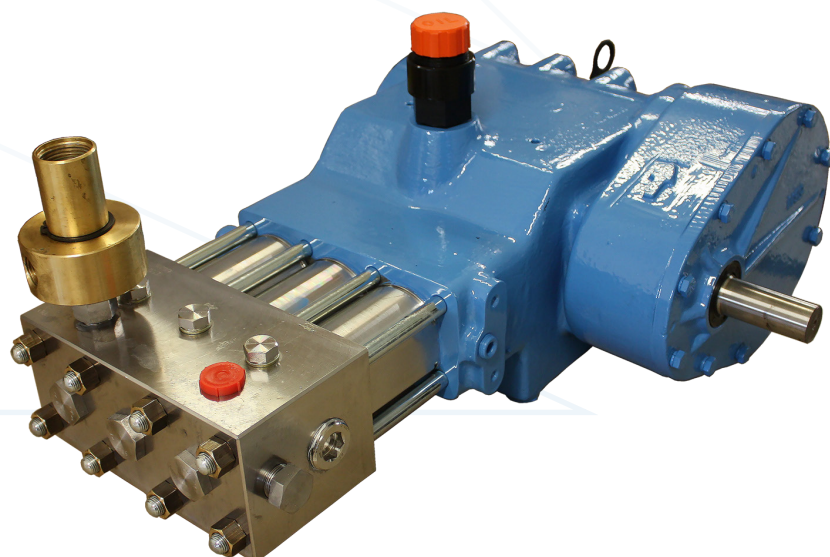


# HP65 Pump



## Maximum Power

**65HP**

48kW



## Maximum Pressure

**1000bar**  
at 27lpm

14,500psi at 7.2gpm



## Maximum Flowrate

**103lpm**  
at 250bar

27.2gpm at 3,625psi

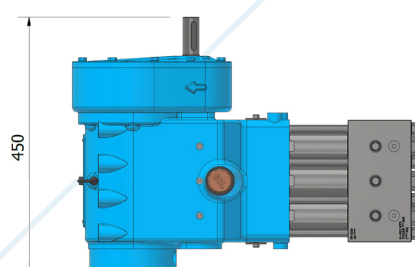
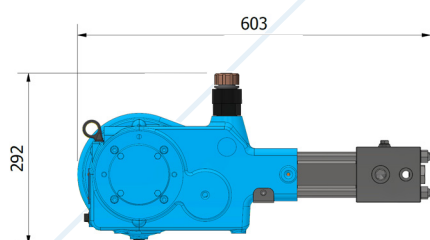


## Features

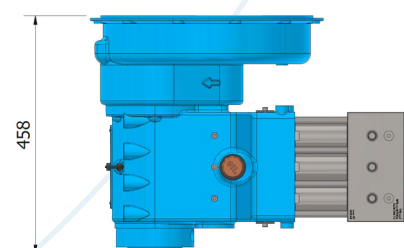
- 431 stainless steel pump head
- Solid ceramic/hard coated stainless steel plungers & self adjusting seals
- In-line valve arrangement for maximum efficiency & prevents the adverse effects of cyclic stress in the pumphead.
- Interchangeable plunger kits
- Hardened, alloy steel crankshaft with heavy duty roller and steel backed white metal main bearings, supported between each connecting rod
- SG iron crankcase with splash lubrication and oil cooling
- Forged connecting rods with low friction, shell type big end bearings and lead bronze lined small end bushes
- Gear driven, eliminating the need for belt drive
- Pressure gauge
- Safety valve or burst disc
- Outstanding seal, plunger & valve life.

## Options

- 316 stainless steel pump head for seawater applications
- Choice of gear ratio to suit diesel engine or electric motor drive
- SAE adaptor housing (SAE 3, 4 or 5) for flange mounting the pump to a diesel engine flywheel housing ensuring extremely compact, perfectly aligned installations & enclosing all moving parts.
- Bareshaft pump only or complete unit build
- ATEX compliant



Approx. weight inc oil cooler  
**125kgs (275lbs)**



Approx. weight inc oil cooler & optional SAE housing  
**135kgs (297lbs)**

# HP65 Pump

Plunger Diameter mm	Gear Ratio Input speed(rpm)			Pump Speed rpm	Power Required		Flow rate		Max Pressure	
	1500	1800	2100		kW	HP	lpm	usgpm	bar	psi
18	2.83			530	34	45	18	4.8	1000	14,500
		2.83		636	41	54	22	5.8		
	2.28			658	42	56	23	6.0		
			2.83	742	47	63	25	6.8		
	1.92			781	50	67	27	7.1		
		2.28		789	50	68	27	7.2		
22	2.83			530	33	44	27	7.2	650	9,425
		2.83		636	39	53	33	8.7		
	2.28			658	41	55	34	8.9		
			2.83	742	46	62	38	10.1		
	1.92			781	48	65	40	10.6		
		2.28		789	49	66	41	10.7		
25	2.83			530	33	44	35	9.3	500	7,250
		2.83		636	39	52	42	11.2		
	2.28			658	40	54	44	11.6		
			2.83	742	46	61	49	13.0		
	1.92			781	48	64	52	13.7		
		2.28		789	49	65	52	13.9		
30	2.83			530	33	44	51	13.4	350	5,075
		2.83		636	39	53	61	16.1		
	2.28			658	41	55	63	16.6		
			2.83	742	46	62	71	18.8		
	1.92			781	48	65	75	19.8		
		2.28		789	49	66	75	20.0		
35	2.83			530	32	43	69	18.2	250	3,625
		2.83		636	38	51	83	21.9		
	2.28			658	40	53	85	22.6		
			2.83	742	45	60	96	25.5		
	1.92			781	47	63	101	26.9		
		2.28		789	48	64	103	27.2		

Notes 1. Flowrates shown are theoretical and will reduce by approximately 7.5% at full pressure. 2. Pump stroke 45mm  
3. Consult Hughes Pumps for required feed conditions 4. Maximum, intermittent performances are shown.

**Hughes Pumps Limited**  
Spring Gardens,  
Washington, West Sussex,  
RH20 3BS  
United Kingdom

**Telephone** +44 (0) 1903 892358  
**Email** sales@hughes-pumps.co.uk  
**Web** www.hughes-pumps.co.uk



Certification number 4257



Manufactured in  
the UK since 1970

In line with the company's policy of research and development, alterations in design, dimensions and appearance are incorporated from time to time in order to ensure important developments are included at the earliest opportunity. The Company, therefore, reserves the right to alter design, dimensions etc without notice.