

# DEWATERING PUMP SOLUTIONS

[www.sykesgroup.com](http://www.sykesgroup.com)



# OUR HISTORY

We have been around since 1967 and we know the dewatering business like no-one else in the industry.

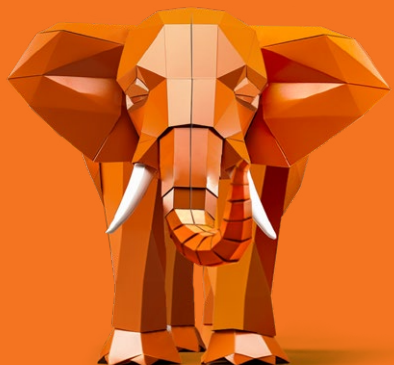
We have our own engineering design, sales, and product support teams so you'll be partnering directly with the designer and manufacturer of our products. Our long-running success reflects our ability to provide customised and innovative solutions that meet and exceed end-user expectations.

Used in mining, construction, rental, industrial, municipal, sewage, and environmental applications throughout the world, our pumps are rugged, reliable and efficient. Whatever the need; waste water or fresh water, acidic or caustic, solids or abrasives, engine, electric or hydraulic drive, road tow, trolley or skid base, Sykes can solve the problem.

Sykes pumps are designed from first principles and assembled, manufactured and tested in Australia, Dubai, and the USA. And all of our pumps have been designed, engineered and tested using leading design, fully integrated 3D computational fluid dynamics software, and certified in our ISO accredited pump test facility.

All Sykes pump sets, skids, lifting frames, and pipework have been designed and certified using our integrated computational fluid dynamics (CFD) and integrated finite element analysis (FEA). And our robust design and manufacturing processes and procedures are certified within the ISO 9001 framework.

The unique needs and voice of our customers are an important integral part of our design and manufacturing process, and our global after-market support and service capabilities are second-to-none.







## Helping you to get the job done

By supplying reliable, high-quality products for well over half a century, we have secured our position as a major force in the global pump market. And our highly experienced in-house engineering team are also available to custom-design and manufacture bespoke equipment to match your unique specifications.

## The world's leading brand for water management

Not only do we know the global dewatering business like no-one else, but as an OEM of the Sykes brand we also offer in-house solutions to any hurdles you may face related to product design, manufacturing, service, and repair. We can also assist with selection, engineering, and design of dewatering solutions utilising products outside of our range.



## Global reach with reliable regional support

With every product supported by our dedicated, highly trained service teams, we consistently deliver optimised productivity, slashed project downtime, and improved workplace safety. We understand that you need to be able to rely on fast, fuss-free genuine parts, service, and warranty back-up long after your pump has started doing its job. That's why our genuine parts and product support teams are on-hand to make sure you can access qualified, professional and highly skilled technicians when you need them the most.

# MEET THE FAMILY PUMP SOLUTIONS



**CONTRACTOR RANGE**  
PAGE 6



**MEDIUM HEAD RANGE**  
PAGE 7



**HIGH HEAD RANGE**  
PAGE 8



**EXTRA HIGH HEAD RANGE**  
PAGE 9



**ACOUSTIC RANGE**  
PAGE 12



**YAKKA RANGE**  
PAGE 13



**SEWAGE & WASTE RANGE**  
PAGE 14



**HYDRAULIC RANGE**  
PAGE 15

## SELF-PRIMING SYSTEMS

### Compressor Prime



Features a twin cylinder air compressor which passes a jet of compressed air through a venturi-type jet and nozzle to evacuate air from the pump casing and suction line. It makes sure priming is fast, positive and continuous, even under 'snore' conditions. The standard priming system has minimal moving parts which greatly reduces maintenance requirements.

### Anti-Spit Prime



The new anti-spit technology mounts on top of the pump's priming tee and stops water from discharging out of the nozzle after priming the pump. This means that sewage bypass, contaminated water, and harsh chemicals no longer discharge to the ground and surrounding environment.

### Diaphragm Prime



Features a high-capacity diaphragm pump that evacuates air from the pump casing and suction line. A robust, float-driven positive seal arrangement prevents carry-over to the environment.

### Vacuum Prime



A high-capacity vacuum pump in combination with a robust primary tank floatation system. It evacuates air from the pump casing and suction line, resulting in a fast and effective priming and repriming set-up. The vacuum prime is ideal for wellpoint dewatering and long suction conditions.

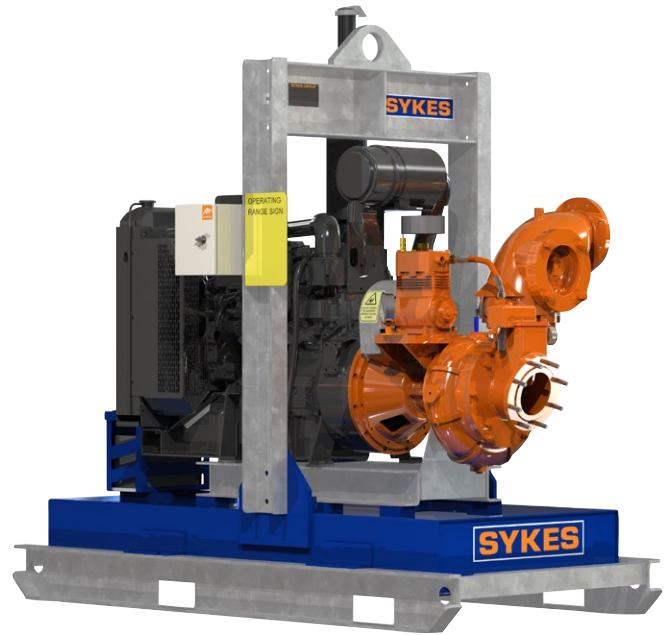


# CONTRACTOR RANGE

An economical package that's light enough for construction and tough enough for mining

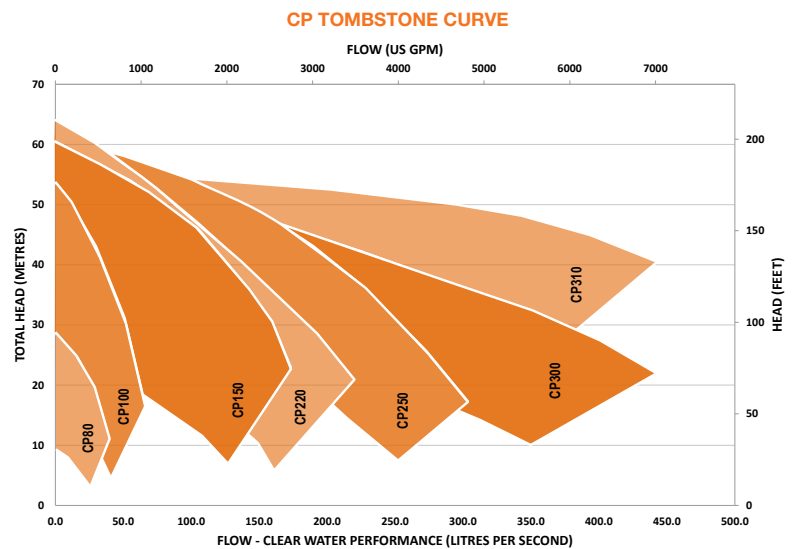
Designed to deliver market leading, fluid-handling efficiencies with fully automatic priming, Contractor Range (CP) pumps can run dry for extended periods without damage thanks to a clever oil bath mechanical seal assembly.

The pump allows priming with long suction hoses and suction lifts of up to 9 metres [30 feet]. As fluid levels fluctuate, the pump will 'snore' until sufficient liquid is available for the pump to fully reprime itself automatically.



## AT A GLANCE

- Low fuel usage
- Low maintenance costs
- Dry self prime and reprime
- Suction lifts to 9m [30ft]
- Operates in 'snore' conditions
- Conversion kits for wellpoint dewatering and high heads
- Available in diesel, electric or hydraulic drive configurations
- Solids handling up to 90mm [3.5"]
- Replaceable wear parts
- Available in Base (BR), Standard (SR), Premium (PR) and Acoustic (AR) build configurations



Model	Connections mm [inch]	Max. Head m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
CP80i	75 x 100 [3 x 3]	28.5 [93]	40 [634]	38 [1.5]	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,000 [2,204]
CP100i	100 x 100 [4 x 4]	54 [177]	67 [1,062]	45 [1.8]	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,105 [2,435]
CP150i	150 x 150 [6 x 6]	60 [197]	172 [2,726]	77 [3]	2,250 x 1,125 x 2,120 [89 x 44 x 84]	1,840 [4,055]
CP150iC	150 x 150 [6 x 6]	44 [144]	163 [2,584]	77 [3]	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,160 [2,557]
CP220i	200 x 200 [8 x 8]	64 [210]	220 [3,487]	80 [3.2]	2,250 x 1,125 x 2,120 [89 x 44 x 84]	1,620 [3,571]
CP250i	250 x 200 [10 x 8]	60 [197]	302 [4,787]	60 [2.3]	3,130 x 1,405 x 2,250 [123 x 55 x 88]	2,359 [5,200]
CP310i	300 x 300 [12 x 12]	56 [184]	443 [7,022]	80 [3.2]	3,130 x 1,405 x 2,250 [123 x 55 x 88]	2,750 [6,062]
CP300i	300 x 300 [12 x 12]	60 [197]	445 [7,049]	90 [3.5]	4,030 x 1,650 x 2,325 [159 x 65 x 92]	3,970 [8,750]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

## APPLICATIONS



Construction & Civil



Sewage & Waste Water



Mining & Quarries



Rental



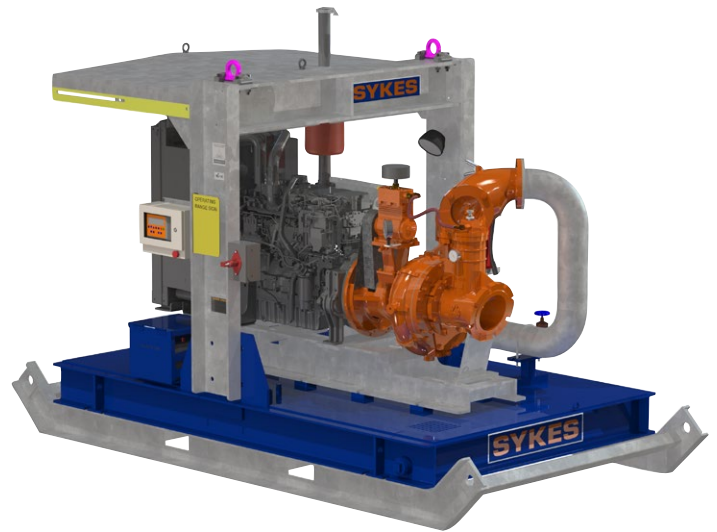
Industrial

# MEDIUM HEAD RANGE

## Developed for harsh environments

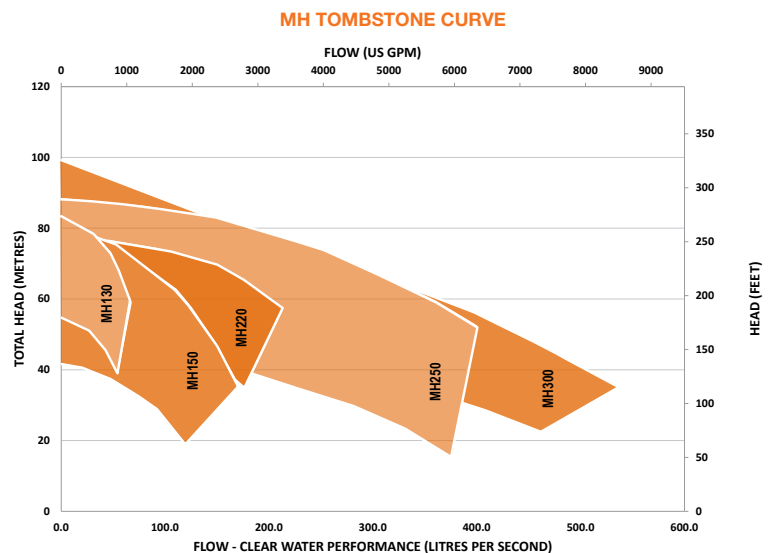
With its tough 316 Stainless Steel impeller and wear plate construction, the Medium Head Range (MH) is tough enough for mining, construction, and sewerage by-pass environments, which feature both high water flow and long pipe runs.

Each of the five MH models have an efficiency rating of 72%, can handle solids, and offer industry-beating fuel consumption and emission control.



### AT A GLANCE

- Increased head capacity compared to the Contractor Range
- Low fuel usage
- Low maintenance costs
- Dry self prime and reprime
- Suction lifts to 9m [30ft]
- Operates in 'snore' conditions
- Available in diesel, electric or hydraulic drive configurations
- Solids handling up to 90mm [3.5"]
- Replaceable wear parts
- Available in Standard (SR), Premium (PR) and Acoustic (AR) build configurations



Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
<b>MH130i</b>	150 x 150 [6 x 6]	83 [272]	9 [30]	66 [1,046]	29 [1.1]	2,250 x 1,125 x 2,120 [89 x 44 x 84]	1,736 [3,849]
<b>MH150i</b>	200 x 150 [8 x 6]	79 [259]	9 [30]	156 [2,473]	50 [2]	3,130 x 1,405 x 2,250 [123 x 55 x 88]	2,277 [5,020]
<b>MH220i</b>	200 x 200 [8 x 8]	77 [253]	9 [30]	212 [3,360]	55 [2.2]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	2,687 [5,923]
<b>MH250i</b>	250 x 200 [10 x 8]	92 [302]	9 [30]	380 [6,023]	78 [3.1]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	2,580 [5,688]
<b>MH300i</b>	300 x 300 [12 x 12]	98 [322]	9 [30]	510 [8,084]	90 [3.5]	3,900 x 1,730 x 2,285 [154 x 68 x 90]	3,602 [7,941]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

### APPLICATIONS



Construction  
& Civil



Sewage &  
Waste Water



Mining &  
Quarries



Rental



Industrial



Agriculture



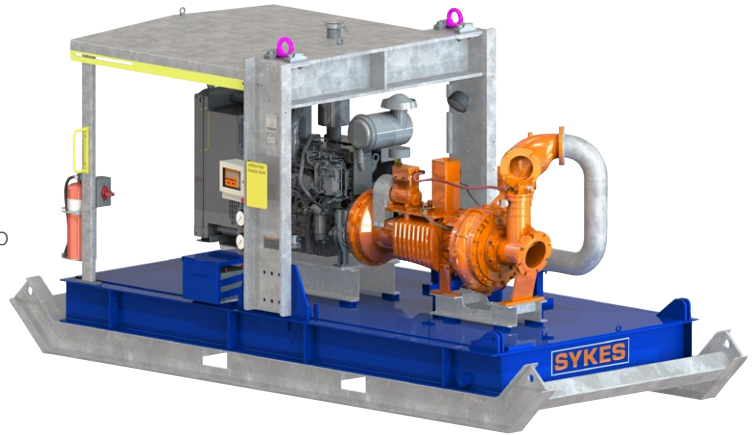
Oil & Gas

# HIGH HEAD RANGE

## Rugged, powerful and reliable

High Head (HH) pumps are the water management solution of choice in many of the world's harshest mining and construction environments. With fully automatic priming as well as high head pumping capability, they also handle solids of up to 65mm [2.6 inch].

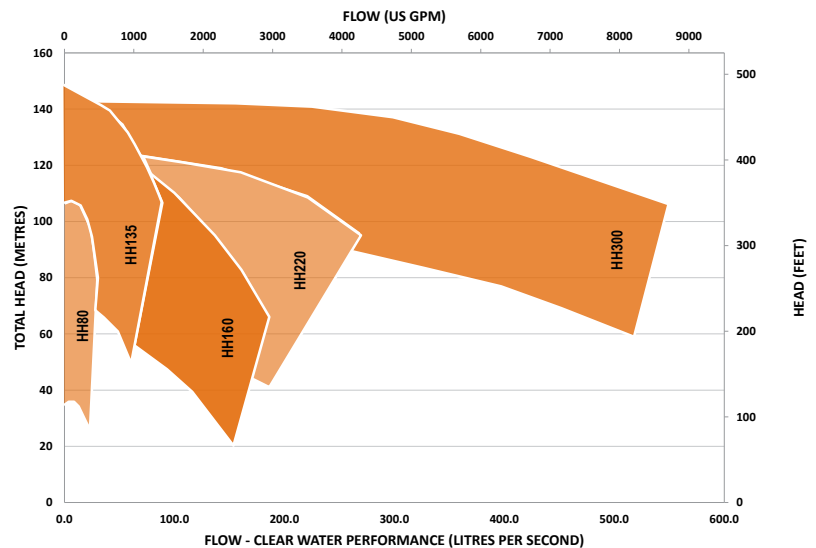
Boasting one of the best shaft stiffness ratios of any automatic priming pump on the market, our High Head Range provides the reliability and toughness to exceed market expectations.



## AT A GLANCE

- Low fuel usage
- Low maintenance costs
- Dry self-prime and reprime
- Close coupled SAE bearing frames
- Suction lifts to 9m [30ft]
- Operates in 'snore' conditions
- Available in diesel, electric or hydraulic drive configurations
- Solids handling
- Simple maintenance
- Replaceable wear parts
- Chassis - skid, road tow, wheeled, caged
- Powered by Perkins® or Caterpillar® engines (other engines are available on request)
- Custom build available
- Sykes purpose-built control panel
- Able to operate unattended at high discharge heads
- Available in Standard (SR), Premium (PR) and Acoustic (AR) build configurations

HH TOMBSTONE CURVE



## APPLICATIONS



Mining & Quarries



Construction & Civil



Sewage & Waste Water



Rental



Industrial



Agriculture



Oil & Gas

Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
HH80	100 x 100 [4 x 4]	105 [344]	9 [30]	28 [444]	25 [1]	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,080 [2,380]
HH135	150 x 150 [6 x 6]	144 [472]	9 [30]	87 [1,379]	31 [1.2]	3,130 x 1,405 x 2,225 [123 x 55 x 88]	2,602 [5,736]
HH160i	200 x 150 [8 x 6]	140 [459]	9 [30]	188 [2,980]	65 [2.6]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	3,559 [7,846]
HH220i	200 x 200 [8 x 8]	125 [410]	9 [30]	270 [4,280]	55 [2.2]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	4,071 [8,975]
HH300	300 x 300 [12 x 12]	142 [466]	9 [30]	550 [8,718]	52 [2.1]	6,500 x 2,270 x 3,425 [256 x 89 x 135]	11,300 [24,912]

Note: Final weight and dimensions will depend on completed specifications.

All information in this document is substantially correct at the time of publication and may be altered subsequently.



# EXTRA HIGH HEAD RANGE

## Built for the toughest and deepest applications

As mines and quarries go deeper, the Extra High Head (XH) automatic priming, solids-handling pumpset is designed to dewater more efficiently and effectively.

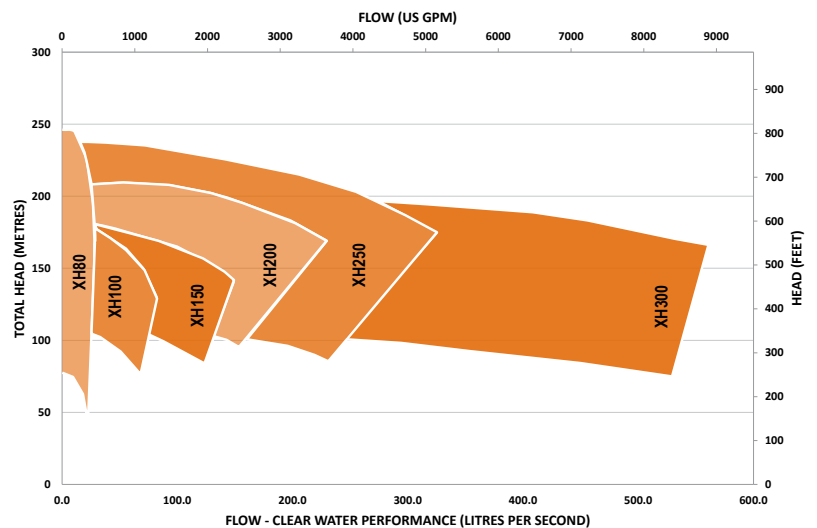
XH pumps come with increased shaft stiffness ratios so that they can withstand very high pressures and loads, without any threat of compromise to the seal integrity through shaft flexing.



### AT A GLANCE

- Low fuel usage
- Low maintenance costs
- Dry self prime and reprime
- Close coupled SAE bearing frames
- Suction lifts to 9m [30ft]
- Operates in 'snore' conditions
- Available in diesel and electric configurations
- Solids handling
- Simple maintenance
- Replaceable wear parts
- Chassis - skid, site trailer, caged
- Powered by Perkins® or Caterpillar® engines (other engines available on request)
- Custom build available
- Sykes purpose built control panel
- Able to operate unattended at high discharge heads
- Available in Standard (SR), Premium (PR) and Acoustic (AR) build configurations

XH TOMBSTONE CURVE



Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
<b>XH80</b>	75 x 75 [4 x 3]	247 [810]	9 [30]	28 [444]	18 [0.7]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	4,113 [9,067]
<b>XH100</b>	150 x 100 [6 x 4]	185 [607]	9 [30]	82 [1,300]	22 [0.9]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	4,091 [9,019]
<b>XH150</b>	200 x 150 [8 x 6]	185 [607]	9 [30]	150 [2,378]	43 [1.7]	4,030 x 1,650 x 2,400 [159 x 65 x 95]	4,390 [9,678]
<b>XH200</b>	250 x 200 [10 x 8]	209 [686]	9 [30]	232 [3,677]	31 [1.2]	6,500 x 2,270 x 3,425 [256 x 89 x 135]	9,934 [21,900]
<b>XH250</b>	300 x 200 [12 x 8]	238 [780]	9 [30]	328 [5,199]	30 [1.2]	6,500 x 2,270 x 3,425 [256 x 89 x 135]	10,500 [23,149]
<b>XH300</b>	300 x 300 [12 x 12]	200 [656]	9 [30]	590 [9,352]	50 [2]	6,500 x 2,270 x 3,425 [256 x 89 x 135]	11,310 [24,934]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

### APPLICATIONS



Mining & Quarries



Construction & Civil



Rental

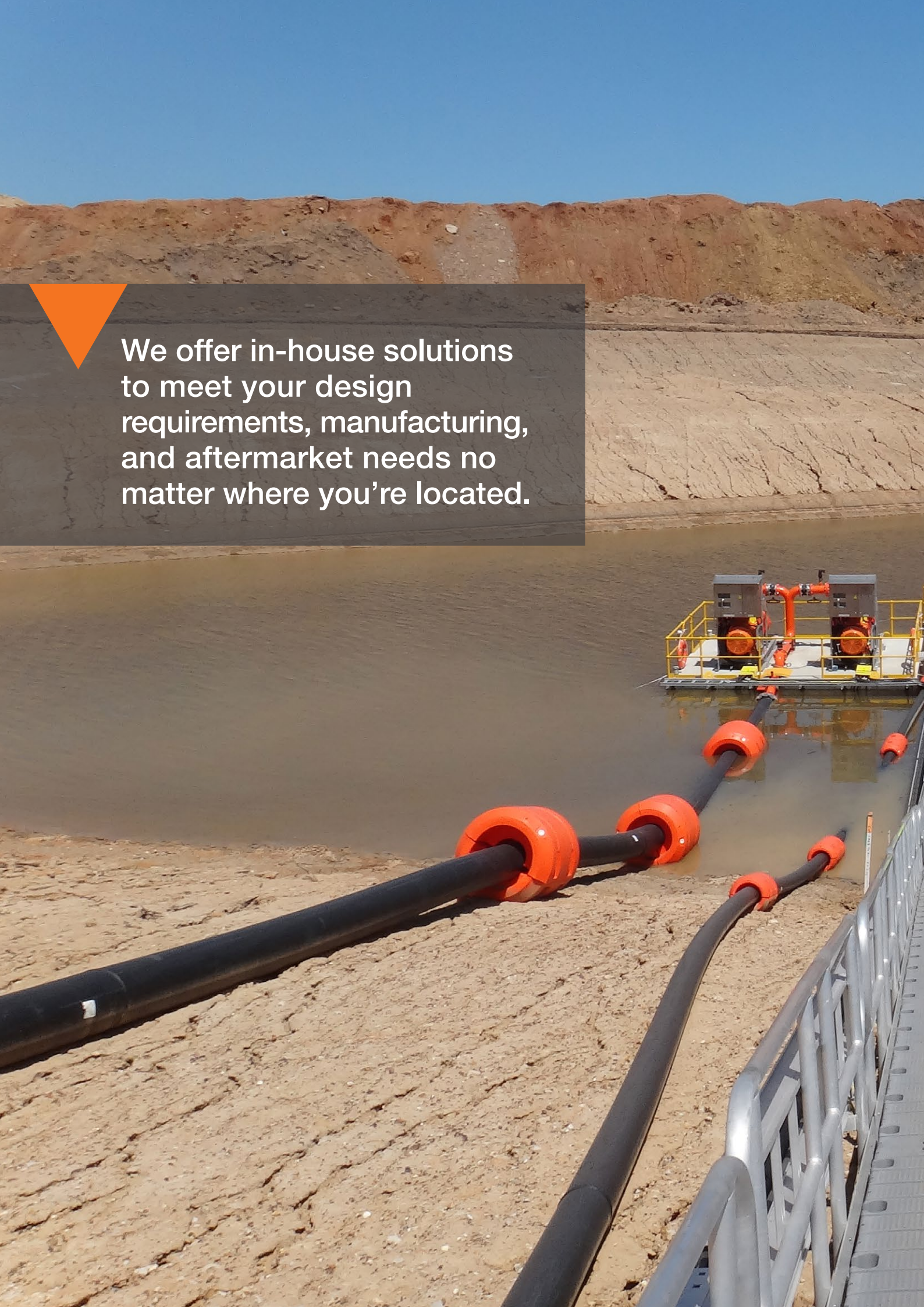


Industrial



Oil & Gas





We offer in-house solutions  
to meet your design  
requirements, manufacturing,  
and aftermarket needs no  
matter where you're located.







# ACOUSTIC RANGE

## Whisper-quiet pumps, designed for project sites where noise can be a problem

Designed to comply with noise output regulations governing worksites and urban areas, the Acoustic Range (AR) has a noise level output of 65dBA at 7 meters [23ft].

AR pumps are available with either compressor (anti-spit is optional), vacuum or diaphragm priming systems, and a range of diesel power options. AR pump sets can be fixed to a common skid base which incorporates a 24-hour (minimum) fuel tank and bunded area.

AR pumps can be bolted onto a twin axle galvanised trailer.



### AT A GLANCE

- Easy access to pump via large access doors, engine and associated equipment, for servicing and fault-finding purposes
- Fluid repellent and fire retardant acoustic foam
- Optional galvanised skid or stackable frame
- Bunded 24-hour fuel tank
- Compact and light to allow for units to be easily transported and moved into restricted and tight spaces
- Closed coupled to engines and vibration mounted for ease of fitting, and to eliminate any misalignment issues during transport or pump operation
- Plug-and-play options available to easily upfit standard units and meet customer requirements

Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
<b>AR-HH80</b>	100 x 100 [4 x 4]	105 [344]	9 [30]	28 [444]	25 [1]	2,000 x 1,100 x 1,500 [79 x 43 x 59]	1,215 [2,679]
<b>AR-CP80i</b>	75 x 100 [3 x 4]	28.5 [93]	9 [30]	40 [634]	38 [1.5]	2,000 x 1,100 x 1,500 [79 x 43 x 59]	1,040 [2,293]
<b>AR-CP100i</b>	100 x 100 [4 x 4]	54 [177]	9 [30]	67 [1,062]	45 [1.8]	2,000 x 1,100 x 1,500 [79 x 43 x 59]	1,135 [2,502]
<b>AR-CP150i</b>	150 x 150 [6 x 6]	44 [144]	9 [30]	163 [2,584]	77 [3]	2,650 x 1,200 x 1,950 [104 x 47 x 77]	1,920 [4,232]
<b>AR-CP150iC</b>	150 x 150 [6 x 6]	60 [197]	9 [30]	172 [2,726]	77 [3]	2,000 x 1,100 x 1,500 [79 x 43 x 59]	1,215 [2,679]
<b>AR-CP220i</b>	200 x 200 [8 x 8]	64 [210]	9 [30]	220 [3,487]	90 [3.5]	2,650 x 1,200 x 1,950 [104 x 47 x 77]	2,105 [4,640]
<b>AR-SW100</b>	100 x 100 [4 x 4]	57 [187]	9 [30]	75 [1,189]	75 [3]	2,000 x 1,100 x 1,500 [79 x 43 x 59]	1,150 [2,535]
<b>AR-SW150</b>	150 x 150 [6 x 6]	46 [151]	9 [30]	140 [2,219]	100 [4]	2,650 x 1,200 x 1,950 [104 x 47 x 77]	1,920 [4,232]
<b>AR-CP250</b>	250 x 200 [10 x 8]	60 [197]	9 [30]	302 [4,787]	60 [2.4]	3,400 x 1,460 x 2,300 [134 x 58 x 91]	4,050 [8,930]
<b>AR-HH135</b>	150 x 150 [6 x 6]	31 [102]	9 [30]	87 [1,379]	31 [1.2]	3,400 x 1,460 x 2,300 [134 x 58 x 91]	3,900 [8,600]

Sykes pumps are available in larger canopy configurations upon request.

Note: Final weight and dimensions will depend on completed specifications.

All information in this document is substantially correct at the time of publication and may be altered subsequently.

### APPLICATIONS



Rental



Sewage & Waste Water



Construction & Civil



Mining & Quarries



Industrial



Oil & Gas

## Compact and versatile

Widely considered to be one of the world's most versatile pumps, our Yakka pumps are designed to suit the requirements of almost any three-, four-, or six-inch pump applications. Ideal for mining, construction, sewer bypass and rental, Yakka pumps are available with either compressor (anti-spit is optional) or diaphragm priming systems.

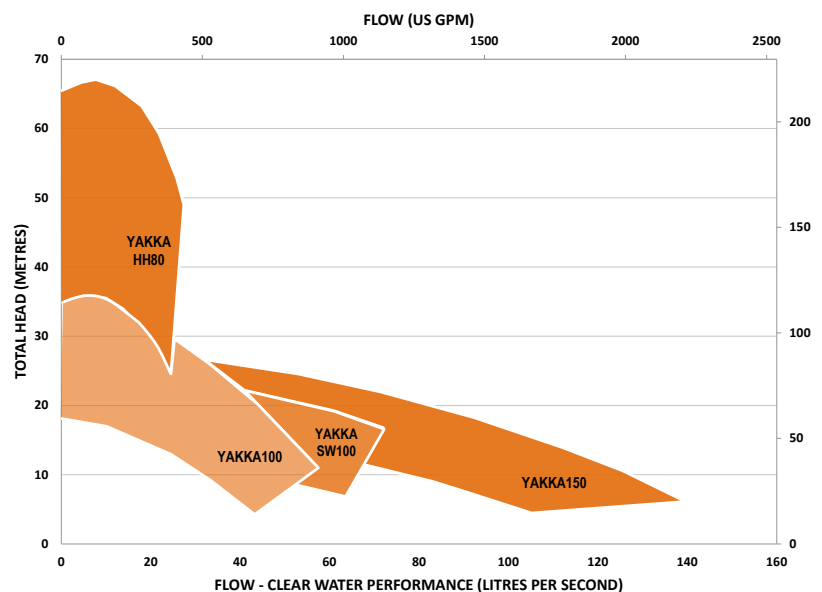
As well as being versatile, the Yakka pump is also very quiet. Acoustic casing enables it to emit only 65 dBA at seven metres when operating at 1,500 rpm and 67.5 dBA at 1,950 rpm.



### AT A GLANCE

- Diesel engine
- S27 keystart control panel c/w e-stop
- Additional e-stop
- 250 litre polyethylene fuel tank
- Fuel tank bunding
- Single point certified lift frame
- Work lights
- Acoustic aluminium powder-coated slide out panels
- Lockable fuel cap
- 12V battery kit
- Manual pouch
- Remote mounted suction and discharge gauges
- Float switch connection socket
- Operating range sign
- Fuel sender
- Exhaust lagging
- Heat shield
- 2 tonne single axle road registerable trailer






YAKKA V2 TOMBSTONE CURVE



Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
YAKKA-HH80	100 x 100 [4 x 4]	67 [220]	9 [30]	28 [444]	25 [1]	3,400 x 1,735 x 2,010 [134 x 68 x 79]	1,665 [3,671]
YAKKA100	100 x 100 [4 x 4]	37 [122]	9 [30]	55 [872]	45 [1.8]	3,400 x 1,735 x 2,010 [134 x 68 x 79]	1,665 [3,671]
YAKKA150	150 x 150 [6 x 6]	29 [95]	9 [30]	132 [2,092]	77 [3]	3,400 x 1,735 x 2,010 [134 x 68 x 79]	1,665 [3,671]
YAKKA-SW100	100 x 100 [4 x 4]	57 [187]	9 [30]	58 [919]	75 [3]	3,400 x 1,735 x 2,010 [134 x 68 x 79]	1,665 [3,671]
YAKKA-SW150	150 x 150 [6 x 6]	33 [108]	9 [30]	120 [1,900]	100 [4]	3,400 x 1,735 x 2,010 [134 x 68 x 79]	1,665 [3,671]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

### APPLICATIONS

-  Sewage & Waste Water
-  Rental
-  Construction & Civil
-  Quarries
-  Industrial
-  Mining & Quarries

# SEWAGE & WASTE RANGE

Suitable for heavy duty operations with efficient suction performance

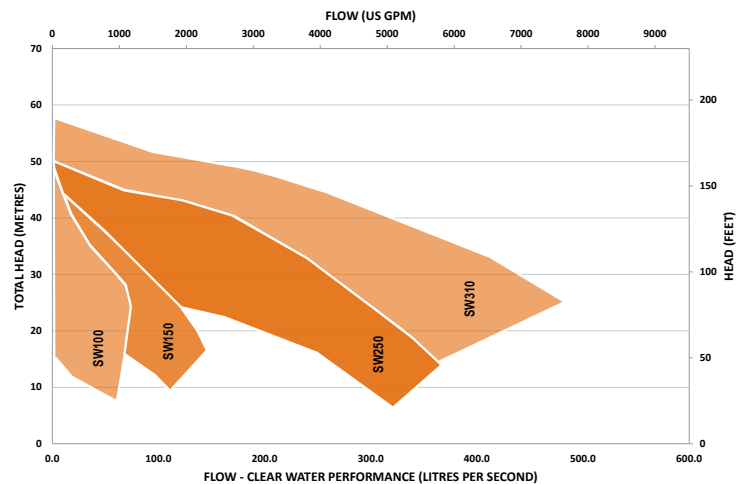
The Sewage and Waste Range (SW) is specifically designed for sewage and waste water applications. With an innovative design, these units are capable of pumping large solids of up to 110mm [4.3 inch]. These pumps chop and shred debris and other stringy materials that would normally cause clogging. All SW pumps are available with either compressor (anti-spit is optional), vacuum, or diaphragm priming systems.



## AT A GLANCE

- Heavy duty, robust design
- Large solids handling
- Cutter pockets
- Inspection cover
- Non-clog impeller
- Shredder claw
- Available in Standard (SR) and Acoustic (AR) build configurations





SW TOMBSTONE CURVE



Model	Connections mm [inch]	Max. Head m [ft]	Max. Suction m [ft]	Max. Flow L/sec [US gal/m]	Solids Handling mm [inch]	Efficiency %	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
SW100	100 x 100 [4 x 4]	57 [187]	9 [30]	75 [1,189]	75 [3]	60	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,065 [2,348]
SW150	150 x 150 [6 x 6]	46 [151]	9 [30]	140 [2,219]	100 [4]	65	2,250 x 1,125 x 2,070 [89 x 44 x 82]	1,605 [3,538]
SW250	250 x 200 [10 x 8]	55 [180]	9 [30]	370 [5,865]	100 [4]	61	3,130 x 1,405 x 2,250 [123 x 55 x 88]	2,735 [6,030]
SW310	300 x 300 [12 x 12]	58 [190]	9 [30]	470 [7,450]	110 [4.3]	62	3,130 x 1,405 x 2,250 [123 x 55 x 88]	2,935 [6,470]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

## APPLICATIONS

-  Sewage & Waste Water
-  Rental
-  Construction & Civil
-  Industrial



## Compact and complete

The Hydraulic Range (HD) of pumps are supplied with their own diesel or electric drive power pack and are designed for use in applications dealing with heavy solids, laden liquids, and where suction lifts are excessive.

### AT A GLANCE

- Heavy duty, robust design
- Submersible, hydraulic-drive pump
- Solids up to 100mm [4 inch]
- No priming required
- Replaceable wear plates
- Available in Standard (SR), Premium (PR) and Acoustic (AR) build configurations



Model	Connections mm [inch]	Max. Head m [ft]	Max. Flow L/sec, [US gal/m]	Solids Handling mm [inch]	Efficiency %	Approx. Dimensions LxWxH, mm [inch]	Approx. Dry Weight kg [lb]
<b>HD80i</b>	75 x 75 [3 x 3]	28.5 [93]	28 [444]	38 [1.5]	50	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,620 [3,571]
<b>HD100i</b>	100 x 100 [4 x 4]	40 [131]	67 [1,062]	45 [1.8]	71	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,625 [3,582]
<b>HD150iC</b>	150 x 150 [6 x 6]	44 [144]	163 [2,584]	77 [3]	74	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,640 [3,615]
<b>HD150i</b>	150 x 150 [6 x 6]	60 [197]	172 [2,726]	77 [3]	81	2,500 x 1,200 x 2,050 [98 x 47 x 81]	2,150 [4,740]
<b>HD220i</b>	200 x 200 [8 x 8]	64 [210]	220 [3,487]	80 [3.1]	75	2,500 x 1,200 x 2,050 [98 x 47 x 81]	2,150 [4,740]
<b>HDSW100</b>	100 x 100 [4 x 4]	57 [187]	75 [1,189]	75 [3]	60	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,625 [3,582]
<b>HDSW150</b>	150 x 150 [6 x 6]	46 [151]	140 [2,219]	100 [4]	65	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,640 [3,615]
<b>HDHH80</b>	75 x 75 [3 x 3]	105 [344]	28 [444]	25 [1]	53	2,200 x 1,100 x 2,050 [86 x 43 x 81]	1,640 [3,615]

Note: Final weight and dimensions will depend on completed specifications.  
All information in this document is substantially correct at the time of publication and may be altered subsequently.

### APPLICATIONS



Sewage & Waste Water



Rental



Construction & Civil



Industrial



Oil & Gas



# Sykes Group Solutions

With a vast range of value-add options, the Sykes Group are your solution providers.

We can provide you with additional equipment to help you get the best performance and accessibility out of your pump. This can include:

- Bolt on or integral trailers
- Steel or poly pontoons
- Standpipes
- Walkways and pipefloats
- Wellpoint solutions
- Blast cages
- Test tanks
- Extended runtime skids
- System design
- Portable flow meters
- Remote monitoring (website or SCADA)
- Workshop repair
- Electric VFD/starters
- Soft starters





# AUTOMATIC SELF-PRIMING PUMP ENDS

## Versatile and reliable

Whether you're an OEM, a pump packager, or a solutions provider to the end customer, Sykes pumps have become the self-priming pumps of choice for the construction, rental, mining, oil and gas, industrial, and power generation industries in major markets around the world.



### AT A GLANCE

#### SEALING

- Dry running mechanical or gland packed seals (auto greaser for gland packing is optional)

#### DISCHARGE

- Vertical
- Left side/underslung
- Right side/overslung

#### WEAR

- Wear plates provides superior longevity compared to wear rings
- Easily adjustable in the field
- No machining required to replace wear plates
- Not reliant on tight tolerances which are easily affected by suspended solids
- Longer run times between maintenance intervals

#### ENGINEERING

- Designed in Australia for over 50 years
- All pump ends are fully tested prior to dispatch

#### SHAFT STIFFNESS RATIO

- Shaft stiffness ( $L^3/D^4$  between 0.25 – 1.5) exceeds industry standards
- Heavy duty designs ensure reliable operation in any condition

#### STANDARD MATERIALS

- Pump Casing:  
S.G. IRON 400/12 [65-45-12]
- Suction Cover:  
S.G. IRON 400/12 [65-45-12]
- Air Separation Tank:  
S.G. IRON 400/12 [65-45-12]
- Bearing Bracket:  
S.G. IRON 400/12 [65-45-12]
- Pump Shaft:  
431 Stainless Steel [A276-98B431]
- Impeller:  
316 Stainless Steel [CF8M]
- Wear Plates:  
316 Stainless Steel [CF8M]
- Mechanical Seal:  
Silicon Carbide/Silicon Carbide
- N.R.V. [Flap or Ball Type]:  
S.G. IRON 400/12 [65-45-12]

Material variances are available.

#### OTHER MATERIALS AVAILABLE

- CS340 Chrome Steel [90/60]
- CS500 Chrome Steel [150/135]
- Full 316 Stainless Steel [CF8MU]
- CD4MCU [1A]
- SAF 2205
- SAF 2507





## SYKES SERVICE

Our fully equipped service centres provide tailored service solutions to every one of our customers. Ranging from routine service and maintenance to urgent repairs, our fully equipped vehicles are ready to be dispatched to carry out on-site servicing and repairs quickly and efficiently.

Our highly experienced service team can provide service solutions for not only Sykes pump equipment, but also other branded pumps. This includes general service, minor and major overhauls, as well as retrofit and upgrades.

We offer a range of preventive maintenance and service options. Please contact your Sykes representative for a service quote for your site:

- Commissioning Service
- 250 Hour Service - three monthly maintenance check to ensure optimal pump performance and to support pump longevity
- 500 Hour Service - six monthly maintenance plan that includes all elements of the three monthly service plus additional tests and inspections
- 1000 Hour Service - the twelve monthly service is our most comprehensive preventive maintenance and service program
- Extended Service Contract - covers replacement costs and labour for major components

## SYKES COMMISSIONING

We deliver systems that are designed and installed to meet your exact operational requirements.

The professional installation and commissioning of pumps is the first step towards smooth ongoing operations. Our trained pump technicians will arrive on-site to perform the pump commissioning checks and guarantee that the pump has been installed and started-up as specified to reduce the risk of breakdown following installation.

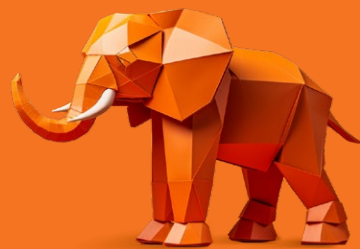
## SYKES SPARES KITS

We offer a range of spares kits to address any accidental breakdowns throughout the life of your pump. We offer:

- Recommended operational spares kits for all pump models
- Major wear part kits for all pump models
- Service kits for different service intervals
- Customised spares kits tailored to your operation

## TRAINING

Our experienced service experts design and deliver customised on-site training programs. Contact the Sykes service team for a quote.









**NEWCASTLE, AUSTRALIA**

42 Munibung Rd  
Cardiff NSW 2285

**Tel** +61 (0)2 4954 1400

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**KURRI KURRI, AUSTRALIA**

125 Mitchell Ave  
Kurri Kurri NSW 2327

**Tel** +61 (0)2 4918 7700

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**CHARLOTTE, USA**

11000-A South Commerce Blvd  
Charlotte, NC 28273

**Tel** +1 704 587 3377

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**DUBAI, UAE**

Plot S 50119  
Jebel Ali Free Zone South

**Tel** +971 4 889 4805

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**JOHANNESBURG,****SOUTH AFRICA**

**Tel** +27 (0) 66 299 0099

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**AUCKLAND, NEW ZEALAND**

**Tel** +64 294 833 565

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

**ACCRA, GHANA**

Atlantic Tower, Liberation Rd,  
Airport City

**Tel** +23 324 488 9131

**Email** [info@sykesgroup.com](mailto:info@sykesgroup.com)

[www.sykesgroup.com](http://www.sykesgroup.com)



TheSykesGroup



@thesykesgroup



sykesgroup