



**ALLIGHTSYKES**

**De-watering  
Solutions**

Australia & New Zealand

**SYKES**

WATER

# ALLIGHTSYKES

## People You Know. Brands You Trust

The world's best-regarded water management brands are united by a common vision - they're engineered and built to make mining and construction projects safer and more productive while being sensitive to the environment.

## SYKES

Our flagship water management brand, Sykes has been a major force in the world's auto-prime pump market for over 40 years. Much of its success reflects its cleverly designed priming systems which allows pumps to run in snore condition and automatically prime, re prime and run dry for extended periods without damage. Our improved hydraulic designs greatly increase efficiency whilst reducing maintenance costs.

From manufacturing bases in Australia, USA and Dubai the brand has systematically added to its domestic market domination via established distribution networks across a number of key global markets.

## Product Support Promise

Selling you a strategic project solution isn't an AllightSykes goal. It's our starting point.

We understand that you need to be able to rely on fast, fuss-free genuine parts and 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 most.

**DRAGFLOW**



**ALLIGHT**



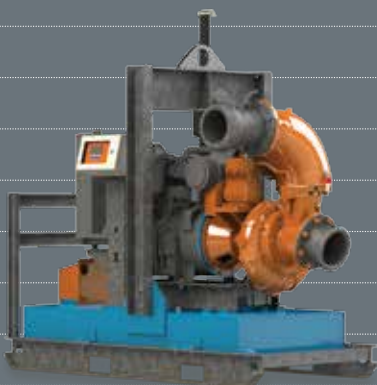
**Perkins®**

# Meet the Sykes f

CONTRACTORS  
**RANGE**

MEDIUM  
HEAD

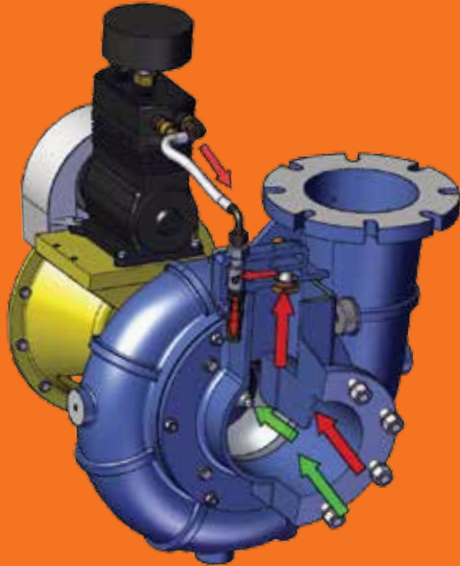
**HIMAX**



# Self Priming Systems

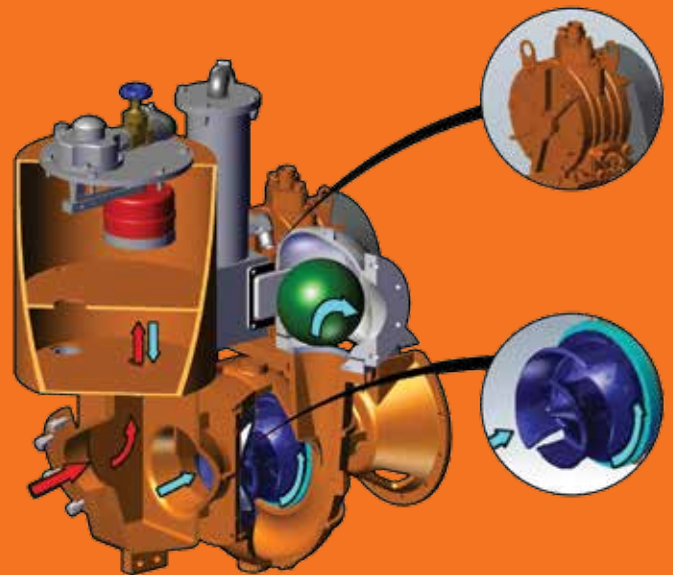
## Compressor Prime

Involves passing a jet of compressed air through a venturi-type Jet & 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 priming system has no moving parts which greatly reduces maintenance requirements.

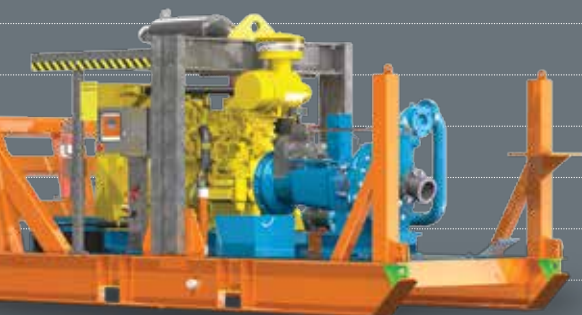


## Vacuum Prime

Features a vacuum priming chamber which dramatically reduces carry-over due to the stainless steel baffle deflector plates and pancake float. Ideal for wellpoint dewatering and long suction conditions.



# family.





# Built to last and out perform.

DESIGNED TO DELIVER MARKET-LEADING FLUID HANDLING EFFICIENCIES WHILE BEING SENSITIVE TO THE ENVIRONMENT.

Contractors pumps are fully auto-priming and can run dry for extended periods without damage. This is made possible by a clever oil bath mechanical seal assembly which allows priming with long suction hoses and suction lifts of up to 9 metres (28 feet).

As fluid fluctuate, the pump will 'snore' until sufficient liquid is available for the pump to fully reprime itself automatically.

## APPLICATIONS

- Construction
- Mining
- Slimes
- Environmental
- Clean Water
- Sewage
- Industrial
- Sludge
- Solids laden liquids



## THE RANGE

	CP80i	CP100i	CP150i	CP150iC	CP220i
<b>Connections (mm/in)</b>	75x75/3x3	100x100/4x4	150x150/6x6	150x150/6x6	200x200/8x8
<b>Maximum Head (m/ft)</b>	28.5/93	54/177	60/197	44/144	64/210
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	40/634	67/1061	172/2756	163/2582	220/3485
<b>Solids Handling (mm/in)</b>	38/1.5	45/1.8	77/3	77/3	80/3.2
<b>Efficiency %</b>	56	72	81	74	78
<b>Approx Dimension (mm/in)</b>	2200L x 1100W x 1873H 86L x 43W x 73H	2200L x 1100W x 1873H 86L x 43W x 73H	2200L x 1100W x 2033H 86L x 43W x 80H	2200L x 1100W x 1873H 86L x 43W x 73H	2200L x 1100W x 2279H 86L x 50W x 89H
<b>Approx Dry Weight (kg/lbs)</b>	1000/2204	1050/314	1510/3328	1160/2557	1620/3571
 How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	 <b>17.4</b> HOURS	 <b>10.4</b> HOURS	 <b>4</b> HOURS	 <b>4.3</b> HOURS	 <b>3.1</b> HOURS
	 75mm 75mm	 100mm 100mm	 150mm 150mm	 150mm 150mm	 220mm 220mm

# CONTRACTORS RANGE



## AT A GLANCE

- Light enough for metro. Tough enough for mining
- Low fuel usage
- Reduced engine sizes
- Lower maintenance costs
- Dry self prime and reprime
- Suction lifts to 9m
- Operates in 'snore' conditions
- Conversion kits for wellpoint dewatering and high heads
- Diesel, electric or hydraulic drive
- Solids handling up to 90mm
- Simple maintenance
- Replaceable wear parts
- Chassis
  - skid, road tow, wheeled, caged
- Zero emissions available
- Custom build available

### CP250i

250x200/10x8

60/197

9/30

302/4783

60/2.3

75

3700L x 1918W x 2403H  
145L x 75W x 94H

5000/11023

**2.3**  
HOURS



### CP300i

300x300/12x12

60/197

9/30

445/7049

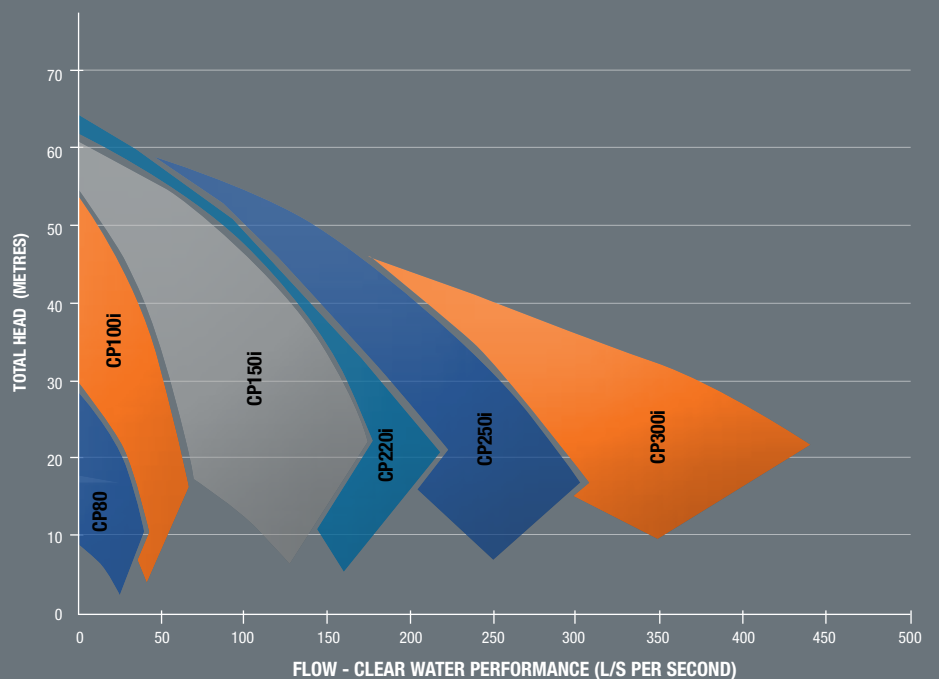
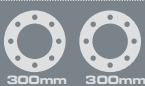
90/3

80

6000L x 2012W x 2397H  
236L x 79W x 94H

7370/16248

**1.5**  
HOURS





# You'll move it fast...

WITH ITS TOUGH 316 STAINLESS STEEL IMPELLER AND WEAR PLATE CONSTRUCTION, THE NEW MEDIUM HEAD PUMP RANGE FROM SYKES HAS BEEN DEVELOPED TO COMBAT HARSH MINING, CONSTRUCTION AND SEWERAGE BY-PASS ENVIRONMENTS WHICH FEATURE BOTH HIGH WATER FLOW AND LONG PIPE RUNS.

The SAE Bearing Bracket and Coupling arrangement is perfectly in tune with each MH model's power needs and resonance conditions (torsional vibration), which means the pump end can be close coupled to the diesel engine to eliminate the possibility of coupling misalignment and unplanned maintenance costs.

Each of the four MH models (130i, 150i, 200i and 300i) has an efficiency rating of 77%, can handle solids and offers industry-beating fuel consumption and emission control.

## THE RANGE

	MH130i	MH150i	MH220i
<b>Connections (mm/in)</b>	150x150/6X6	200x150/8x6	200x200/8x8
<b>Maximum Head (m/ft)</b>	83/272	79/259	77/253
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	66/1046	156/2473	212/3360
<b>Solids Handling (mm/in)</b>	29/2.36	50/2	55/2.17
<b>Approx Dimension (mm/in)</b>	3861L x 1745W x 2396H 152L x 68.7W x 94H	4396L x 1945W x 2390H 173.1L x 76.6W x 94H	5586L x 2045W x 2649H 219.9L x 80.5W x 104.3H
<b>Approx Dry Weight (kgs/lbs)</b>	3880/8554	6865/15134	7150/15763



How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)

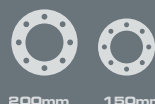
**10**  
HOURS

**4.4**  
HOURS

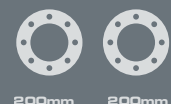
**3.2**  
HOURS



150mm 150mm



200mm 150mm



200mm 200mm



# MEDIUM HEAD



## MH300i

300x300/12x12

98/322

9/30

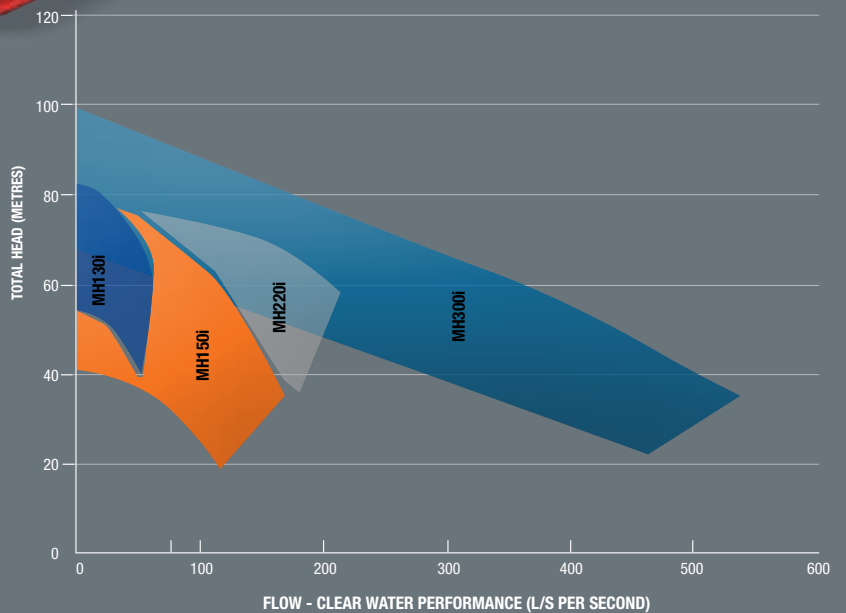
510/8078

90/3.5

6200L x 2260W x 3014H  
244Lx 88W x 118H

10350/22817

**1.3**  
HOURS



# Pushing it higher.

DESIGNED AND BUILT TO MEET PARTICULARLY TOUGH OPERATING CONDITIONS.

Himax pumps are the water management solution of choice throughout many of the world's harshest mining and construction environments. Fully auto-priming and including high head pumping capability, they can also handle solids up to 75mm.

Boasting one of the best shaft stiffness ratio's of any automatic priming pump on the market, the Sykes High Head range provides the reliability to meet market expectations.

## APPLICATIONS

- Construction
- Environmental
- Industrial
- Mining
- Clean Water
- Sludge
- Slimes
- Sewage
- Solids laden liquids



## THE RANGE

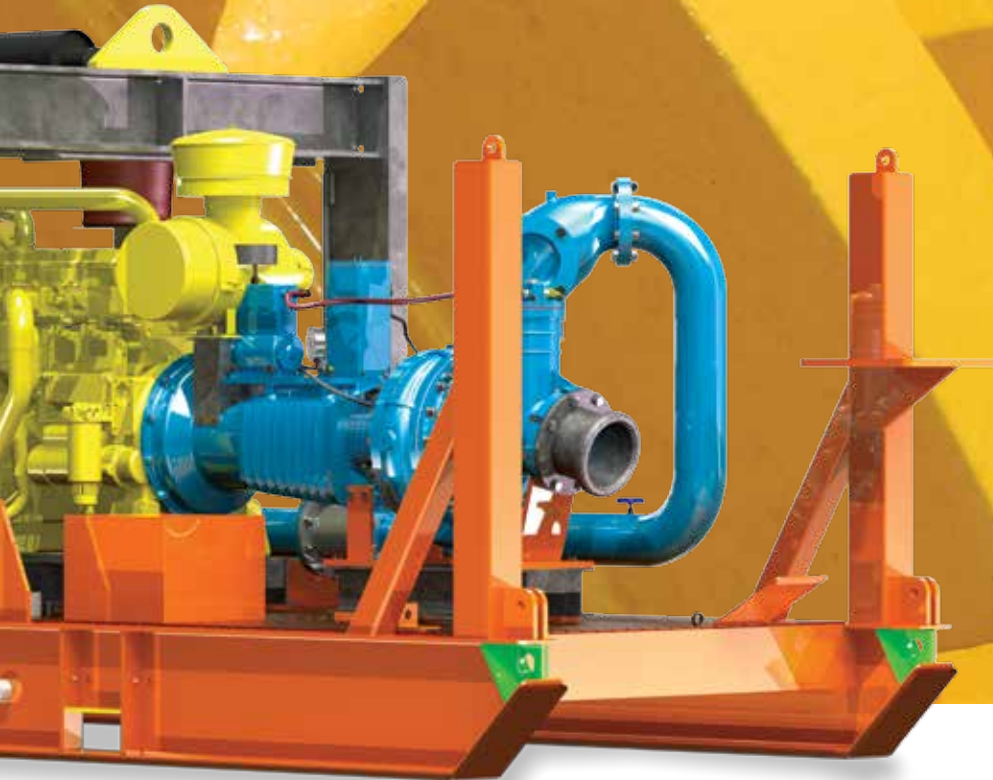
	HH80	HH100	HH125	HH130i
<b>Connections (mm/in)</b>	75x75/3x3	150x100/6x4	150x150/6x6	150x150/6x6
<b>Maximum Head (m/ft)</b>	105/344	130/426	130/426	144/472
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	28/444	56/887	56/887	87/1378
<b>Solids Handling (mm/in)</b>	25/1	29/1.14	29/1.14	31/1.2
<b>Approx Dimension (mm/in)</b>	2200L x 1100W x 2169H 86L x 43W x 85H	3000L x 1250W x 1870H 118L x 50W x 75H	3500L x 1520W x 2250H 138L x 60W x 89H	4799L x 1918W x 2413H 188L x 75W x 95H
<b>Approx Dry Weight (kg/lbs)</b>	1510/ 3328	2920/6424	2920/6424	6865/15134
 How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	 24.8 HOURS	 12.4 HOURS	 12.4 HOURS	 7.9 HOURS
	 75mm 75mm	 150mm 100mm	 150mm 150mm	 150mm 150mm



# HIMAX

## AT A GLANCE

- Full automatic prime
- Operates in 'snore' conditions
- Diesel, electric or hydraulic drive
- Simple maintenance
- Replaceable wear parts
- Solids handling up to 75mm
- Pressure tested fuel tanks
- High ground clearance on skids
- Bisalloy wear strips (optional)
- Interchangeable parts
- Engine protection as standard
- Suction booms (optional)
- Suction lifts to 9m
- Chassis - skid, road tow, wheeled, caged
- Zero emissions available
- Custom builds available



### HH160i

200x150/8x6

140/459

9/30

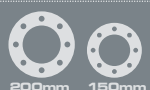
188/2978

65/1.2

5100L x 2010W x 2396H  
200L x 79W x 94H

5600/12345

**3.8**  
HOURS



### HH220i

200x200/8x8

138/453

9/30

282/4467

55/2.2

5400L x 2030W x 2448H  
212L x 79W x 96H

6630/14616

**2.5**  
HOURS



### FBP300

300x300/12x12

140/460

9/30

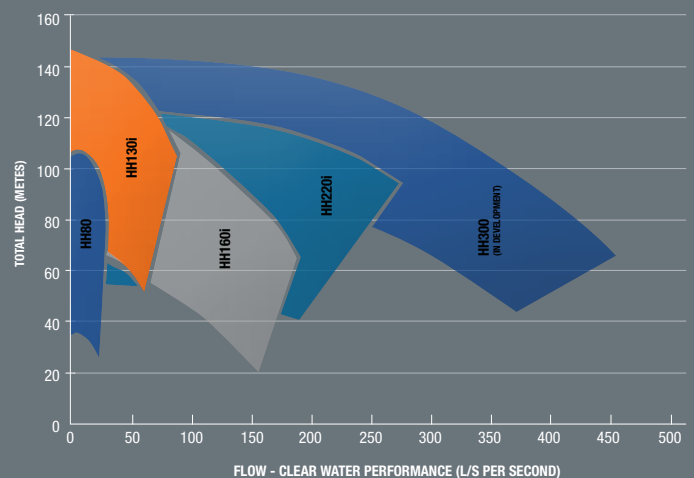
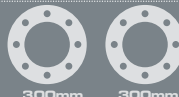
340/5386

75/3

7000L x 2300W x 3200H  
276L x 91W x 126H

12000/26400

**2**  
HOURS



# Reaching new heights.

BUILT FOR MINING AND ABLE TO OPERATE UNATTENDED AT HIGH DISCHARGE HEADS.

As Mines and Quarries go deeper the Xtra High Head automatic priming solids handling pumpset is designed to dewater more efficiently and effectively.

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

## APPLICATIONS

- Construction
- Environmental
- Industrial
- Mining
- Clean Water
- Sludge
- Slimes
- Sewage
- Solids laden liquids
- Ground Dewatering
- Pipeline & Drilling
- Jetting

## THE RANGE

	XH80	XH100	XH150	XH200
<b>Connections (mm/in)</b>	80x80/3.2x3.2	150x100/6x4	200x150/8x6	250x200/10x8
<b>Maximum Head (m/ft)</b>	247/810	185/607	185/607	172/564
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	28/444	82/ 1299	150/2376	196/3105
<b>Solids Handling (mm/in)</b>	18/0.71	22/0.88	43/1.7	31/1.2
<b>Approx Dimension (mm/in)</b>	4500L x 1620W x 2250H 180L x 64W x 90H	5100L x 2010W x 2397H 200L x 79W x 94H	5200L x 2150W x 3050H 204L x 84W x 120H	5800L x 2040W x 3027H 216L x 80W x 120H
<b>Approx Dry Weight (kg/lbs)</b>	3900/8580	5870/12941	6850/15101	9440/21913
 How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	 <b>24.8 HOURS</b>	 <b>8.5 HOURS</b>	 <b>4.7 HOURS</b>	 <b>3.6 HOURS</b>
	 80mm 80mm	 150mm 100mm	 200mm 150mm	 250mm 200mm





## AT A GLANCE

- Low fuel usage
- Reduced engine sizes
- Lower maintenance costs
- Dry self prime and reprime
- Close coupled SAE Bearing Frames
- Suction lifts to 9m
- Operates in 'snore' conditions
- Vacuum Priming option available for ground dewatering
- Diesel, electric or hydraulic drive
- Solids handling
- Simple maintenance
- Replaceable wear parts
- Chassis - skid, road tow, wheeled, caged
- Powered by Perkins or Cat Engines.
- Other engines available on request
- Custom build available
- Sykes purpose built Control panel



## XH200-1750

250x200/10x8

208/682

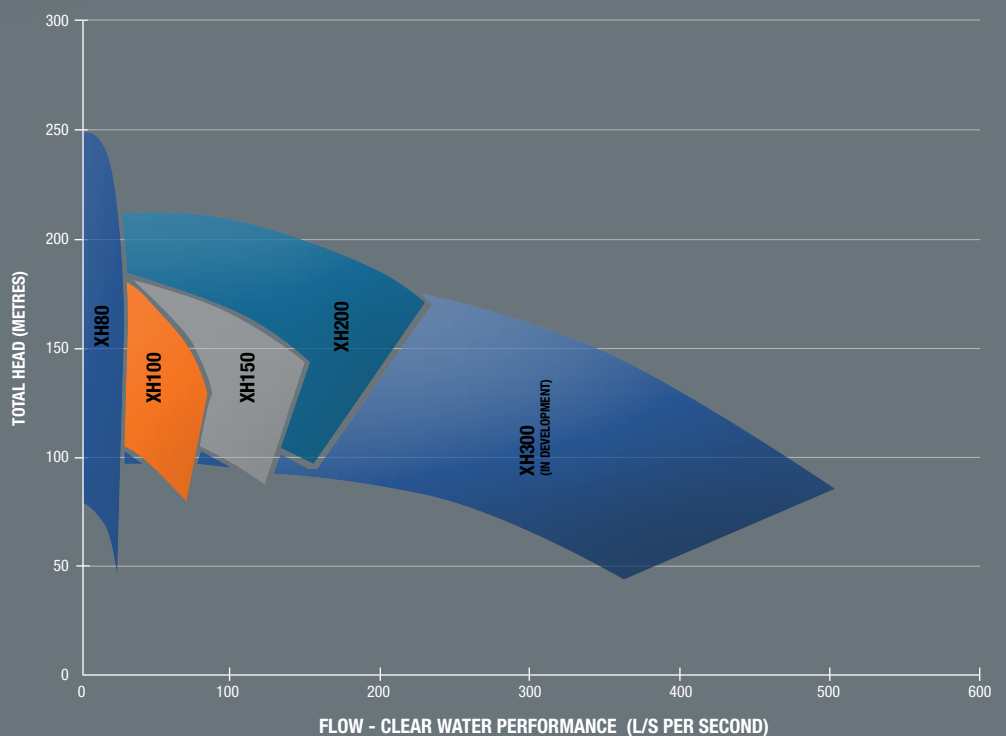
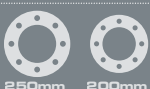
9/30

230/3643

31/1.2

6857L x 2375W x 3341H  
269L x 93W x 131H

12800/28219





# Did you turn the pump on?

A WHISPER QUIET RANGE OF PUMPS DESIGNED FOR URBAN AND OTHER PROJECT SITES WHERE NOISE CAN BE A PROBLEM.



## THE RANGE

	QSCP80i QSVP80i	QSCP100i QSVP100i	QSCP150i QSVP150i	QSCP220i QSVP220i
<b>Connections (mm/in)</b>	75x75/3x3	100x100/4x4	150x150/6x6	200x200/8x8
<b>Maximum Head (m/ft)</b>	28.5/93	54/177	60/197	64/210
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	40/634	67/1061	172/2756	220/3485
<b>Solids Handling (mm/in)</b>	38/1.5	45/1.8	77/3	80/3.2
<b>Approx Dimension (mm/in)</b>	2500L x 1100W x 1900H 98L x 43W x 75H	2500L x 1100W x 1900H 98L x 43W x 75H	2850L x 1100W x 1900H 110L x 43W x 75H	2850L x 1100W x 1900H 110L x 43W x 75H
 <p>How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)</p>	 <p>17.4 HOURS</p>	 <p>10.4 HOURS</p>	 <p>4 HOURS</p>	 <p>3.1 HOURS</p>
	 <p>75mm 75mm</p>	 <p>100mm 100mm</p>	 <p>150mm 150mm</p>	 <p>200mm 200mm</p>



## NOISE

QS pumps have been designed to comply with noise output regulations governing worksites and urban areas.

Available as either basic QS or super sound-proofed SQS variants, maximum noise output is 62 dBA at seven metres when operating at full load.

## MAINTENANCE

Large lockable access doors have been designed with fast routine maintenance in mind. External drain plugs are fitted for fuel, oil and water. The skid base fuel tank can be easily drained and flushed out if necessary, and the entire canopy can be quickly removed for major maintenance.

## OPTIONS

QS pumps are available with either Vacumax or Compressor Prime systems, and with a range of diesel power options.

## SKID BASED

QS pump sets can be fixed to a common skid base which incorporates a 24 hour (minimum) fuel tank and bunded area.

## MOBILE

QS pumps can be bolted onto a twin axle galvanised trailer. If appropriate, the trailer system can be fitted with hose racks to store 10 lengths of suction hose, and 100 metres of layflat discharge hose.



### QSCP300i

300x300/12x12

60/197

9/30

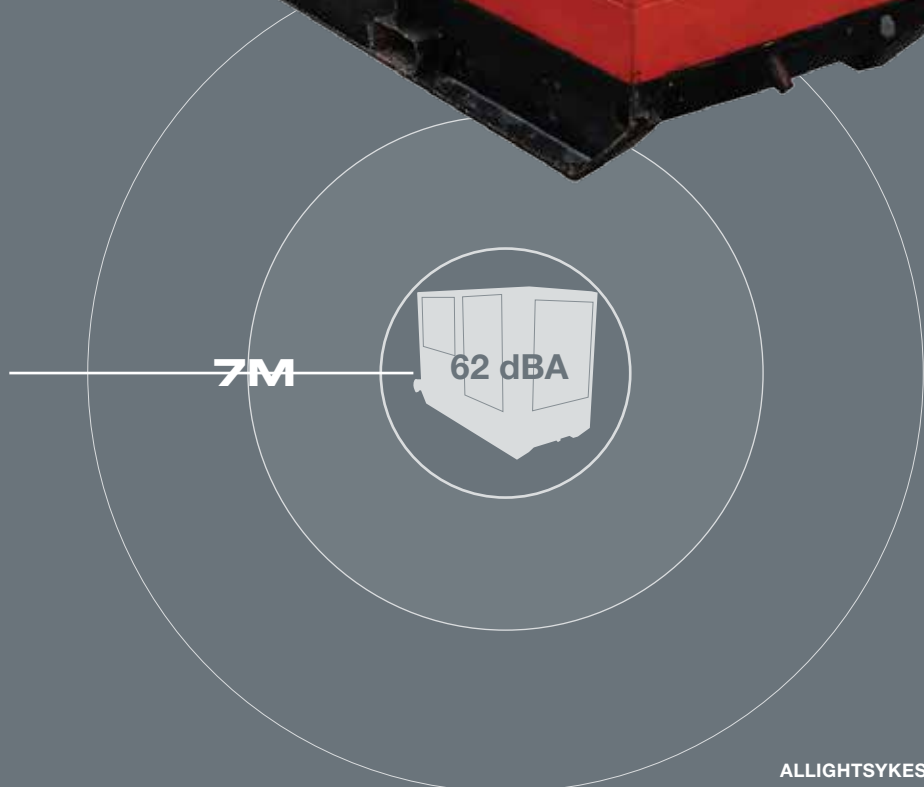
475/7524

90/3.6

5000L x 2000W x 2300H  
197L x 79W x 91H



300mm 300mm





# Compact and versatile.

WIDELY CONSIDERED TO BE THE WORLD'S MOST VERSATILE PUMP. DESIGNED TO SUIT THE REQUIREMENTS OF ALMOST ANY THREE, FOUR OR SIX INCH PUMP APPLICATION. IDEAL FOR MINING, CONSTRUCTION, SEWER BYPASS AND RENTAL.

As well as being versatile, the Yakka pump is also very quiet. Acoustic casing enables it to emit only 65dBA at seven metres when operating at 1500rpm, and 67.5dBA at 1800rpm.

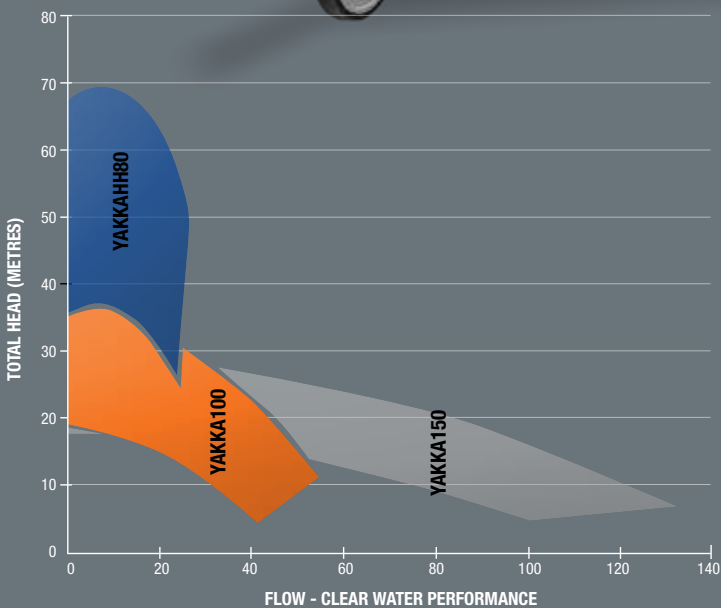
## THE RANGE

	YAKKA80HH	YAKKA100	YAKKA150
<b>Connections (mm/in)</b>	75x75/3x3	100x100/4x4	150x150/6x6
<b>Maximum Head (m/ft)</b>	67/220	37/122	29/96
<b>Maximum Suction (m/ft)</b>	9/30	9/30	9/30
<b>Maximum Flow (Ltrs per sec/ US Gallons per minute)</b>	28/444	67/1062	132/2091
<b>Solids Handling (mm/in)</b>	38/1.5	45/1.8	77/3
<b>Approx Dimension (mm/in)</b>	2250L x 1100W x 1375H 88L x 43W x 54H	2250L x 1100W x 2300H 88L x 43W x 90H	3400L x 1600W x 2300H 133L x 62W x 90H
<b>Approx Dry Weight (kgs/lbs)</b>	1410/3108	1325/2915	1800/3968
 How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	 <b>24.8</b> HOURS	 <b>10.4</b> HOURS	 <b>5.3</b> HOURS
	 75mm 75mm	 100mm 100mm	 150mm 150mm





# YAKKA™



## ROBUST

- 'QS' silent canopy design
- Impact resistant polyethylene panels, easily removed for maintenance
- Tubular steel side/end protection
- Lockable gull wing doors for easy access
- Fuel tank 'bundling'
- Quality accreditation ISO9001

## COMPACT

- Lightweight in design
- 30 hour fuel tank

- 'Pod' can be mounted on any trailer or skid
- Able to be mounted on a single axle trailer for improved maneuverability
- Single point lift

## EFFICIENT

- High performance pump ends
- Increased flows
- Reduced fuel usage
- Solids handling
- Stainless steel impeller and wearplates as standard

# Leaders in submersible.

GRINDEX SUBMERSIBLE PUMPS HAVE BEEN THE WATER MANAGEMENT SOLUTIONS OF CHOICE ACROSS AUSTRALIA AND NEW ZEALAND FOR MORE THAN FOUR DECADES. DURABLE HIGH PERFORMERS.

The range of drainage and sludge pumps owes its success to clever design features, ease of maintenance and the ability to handle water containing particulates and solids.

## Dewatering

Grindex drainage and sludge pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries.

- water with high content of solids, up to the size of 80 mm.
- water which contains abrasive particles
- different types of mud and sludge
- light slurry

## Slurry

The new Grindex slurry pumps are hard-working units that lower operating and maintenance costs and offer excellent value in terms of initial investment.

- coal washing water
- cleaning of sumps & settling ponds
- dredging
- coal and ore slurries
- grit removal in sewage treatment plants
- Cooling water/mill scale pumping in iron/steel production

## Corrosive Fluids

Grindex Inox is a range of submersible drainage and sludge pumps constructed from stainless steel, capable of handling extremely corrosive fluids with pH values from 2-10.

Inox pumps are intended for use in demanding applications such as mines, process industries, fish farms and harbours, which can quickly destroy conventional pumps.

## THE RANGE

### DRAINAGE PUMPS

Discharge connection: 2" to 10"

Max Head: 200m

Rated output: 0.9kW to 90kW

Max Flow: 350l/s

### SLUDGE PUMPS

Discharge connection: 2" to 4"

Max Head: 40m

Rated output: 0.9kW to 5.6kW

Max Flow: 23l/s







grindex



## STAINLESS PUMPS

Discharge connection: 3" to 4"

Max Head: 42m

Rated output: 2.0kW to 6.3kW

Max Flow: 55l/s



## SLURRY PUMPS

Discharge connection: 4" to 6"

Max Head: 45m

Rated output: 4.7kW to 70kW

Max Flow: 130l/s



# World player in solid pumping.

ALSO AVAILABLE EXCLUSIVELY THROUGHOUT AUSTRALIA AND NEW ZEALAND FROM ALLIGHTSYKES, THE DRAGFLOW AGITATOR SLURRY PUMP IS DESIGNED TO MOVE DENSE SLURRIES.

**Unlike most competitive pumps, it is able to pick up solids from rest, mix them into a high density slurry and then pump them – all in one operation.**

The clever design of the pump's agitator holds the key to its ability to pick up material from rest. It also enables the pump to handle fast settling, high specific gravity solids and viscous thixotropic mud.

It works by creating a 'down pressure' which stirs up material below the pump's suction.

The pressure differential (suction of pump versus down pressure of agitator) which is created mixes and homogenizes the stirred up material.

The mixed and homogenized slurry is then drawn back into the suction as a highly concentrated, uniform slurry.

Material too large to enter the pump's suction (screen) is repelled so that it cannot plug the suction screen.

## THE RANGE

### ELECTRIC PUMPS

	Delivery (ø mm)	Capacity (m <sup>3</sup> /h)	Head (m)	A (400 v)	HP/kw	RPM 50/60Hz	Solids Handling (Ø mm)	Weight (Kg)
EL 5	80	30	12	9	5 / 3,7	1450 / 1750	20	200
EL 7.5	100	60	12	12	7,5 / 5,5	1450 / 1750	25	250
EL 7.5 S	100	60	12	16	10 / 7,5	1450 / 1750	25	260
EL 10	100	60	15	16	10 / 7,5	1450 / 1750	25	260
EL 10 S	100	60	15	19	12,5 / 9	1450 / 1750	25	270
EL 12.5	100	60	18	19	12,5 / 9	1450 / 1750	25	270
EL 12.5 S	100	60	18	23	15 / 11	1450 / 1750	25	280
	Delivery (DN/PN)	Capacity (m <sup>3</sup> /h)	Head (m)	A (400 v)	HP/kw	RPM 50/60Hz	Solids Handling (Ø mm)	Weight (Kg)
EL 25A	100 / 10	100	20	37	25 / 18	980 / 1180	35	680
EL 25B	150 / 10	140	14	37	25 / 18	980 / 1180	35	690
EL 35A	100 / 10	90	30	53	35 / 26	980 / 1180	35	750
EL 35B	150 / 10	140	22	53	35 / 26	980 / 1180	35	760
EL 35HC	150 / 10	210	15	53	35 / 26	980 / 1180	60	750
EL 60A	150 / 10	200	22	89	60 / 44	980 / 1180	60	1040
EL 60B	200 / 10	350	16	89	60 / 44	980 / 1180	60	1070
EL 60HC	250 / 10	720	5	89	60 / 44	980 / 1180	90	1300
EL 100A	200 / 10	350	30	158	100 / 75	750 / 900	60	2000
EL 150A	250 / 10	720	22	240	150 / 110	600 / 720	120	4300
EL 150B	300 / 10	900	18	240	150 / 110	600 / 720	120	4350



# DRAGFLOW



## HYDRAULIC PUMPS

	Delivery	Capacity (DN/PN)	Head (m <sup>3</sup> / h)	RPM (m HP min/max)	Power (kW min/max (Ø mm))	Solids Handling	Weight (Kg (c.c))	Displacement (bar (l/min))	Pressure min/max min/max	Oil Capacity
HY 24	100	60 / 80	18 / 28	1500 / 2000	14 / 26 10 / 19	25	-	20	210 / 300	30 / 40
HY 35 A	100 / 10	100 / 120	20 / 28	980 / 1180	25 / 35 1 8 / 25	35	500	55	210 / 250	54 / 65
HY 35 B	150 / 10	140 / 170	14 / 20	980 / 1180	25 / 35 1 8 / 25	35	510	55	210 / 250	54 / 65
HY 50 A	100 / 10	90 / 108	30 / 42	980 / 1180	35 / 50 25 / 37	35	600	75	210 / 250	74 / 89
HY 50 B	150 / 10	140 / 170	22 / 32	980 / 1180	35 / 50 25 / 37	35	610	75	210 / 250	74 / 89
HY 50 HC	150 / 10	210 / 250	15 / 21	980 / 1180	35 / 50 25 / 37	60	700	75	210 / 250	74 / 89
HY 85 A	150 / 10	200 / 240	22 / 30	980 / 1180	60 / 85 44 / 62	60	700	108	250 / 300	106 / 130
HY 85 B	200 / 10	350 / 420	16 / 23	980 / 1180	60 / 85 44 / 62	60	730	108	250 / 300	106 / 130
HY 85 HC	250 / 10	720 / 860	5 / 7	980 / 1180	60 / 85 44 / 62	90	1000	108	250 / 300	106 / 130
HY 175 A	200 / 10	350 / 420	30 / 43	750 / 900	117 / 175 75 / 128	60	1800	335	210 / 260	252 / 302
HY 220 A	250 / 10	720 / 780	22 / 26	600 / 650	150 / 220 110 / 160	120	3500	500	230 / 300	300 / 325
HY 220 B	300 / 10	900 / 975	18 / 21	600 / 650	150 / 220 110 / 160	120	3550	500	230 / 300	300 / 325
HY 300 A	250 / 10	720 / 900	22 / 34	600 / 750	150 / 292 110 / 214	120	3500	500	230 / 350	300 / 375
HY 300 B	300 / 10	900 / 1200	18 / 28	600 / 750	150 / 292 110 / 214	120	3550	500	230 / 350	300 / 375
HY 400 A	300 / 10	950 / 1000	34 / 42	750 / 850	320 / 400 239 / 295	120	3550	710	270 / 300	535 / 605
HY 400 B	350 / 10	1100 / 1200	28 / 34	750 / 850	320 / 400 239 / 295	120	3600	710	270 / 300	535 / 605

# ALLIGHTSYKES

## NEWCASTLE, AUSTRALIA

42 Munibung Road  
CARDIFF NSW 2285  
T +61 (0)2 4954 3333  
F +61 (0)2 4954 3303

## AUCKLAND, NEW ZEALAND

13 McLaughlins Road,  
MANUKAU Auckland NZ  
T +64 9 278 8300  
F +64 9 278 8700

## PERTH, AUSTRALIA

12 Hoskins Road  
LANDSDALE WA 6065  
T +61 (0)8 9302 7000  
F +61 (0)8 9302 6691

## CHRISTCHURCH, NEW ZEALAND

4 Chinook Place  
HORNBY  
T +64 3 344 2100  
F +64 3 344 2122



LIGHT



WATER



POWER



AIR