

De-watering Solutions

Australia & New Zealand

SYKES

ATER

ALLICHTSYKES

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, reprime 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

Need to know more?

If brochures aren't your thing, just mouse over to www.allightsykes.com.

SULZER

ALLIGHT







Meet the Sykes f

CONTRACTORS



HIMAX



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Self Priming Systems

Compressor Prime

Features a twin cylinder air compressor which passes 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 an oil lubricated vacuum pump which evacuates air from the vacuum tank and suction. The double baffle plates, pancake float, and water separation ensure carry over is reduced dramatically. The two stage oil/air separator and filter ensures no visible emissions.

Ideal for wellpoint dewatering and long suction conditions.



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Built to last and out perform. DESIGNED TO DELIVER MARKET-LEADING FLUID HANDLING EFFICIENCIES WHILE BEING

SENSITIVE TO THE ENVIRONMENT.

Contractors pumps are fully automatic 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 levels fluctuate, the pump will 'snore' until sufficient liquid is available for the pump to fully reprime itself automatically.

APPLICATIONS

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

THE RANGE

	CP80i	CP100i	CP150i	CP150iC	CP220i
Connections (mm/in)	75x75/3x3	100x100/4x4	150x150/6x6	150x150/6x6	200x200/8x8
Maximum Head (m/ft)	28.5/93	54/177	60/197	44/144	64/210
Maximum Suction (m/ft)	9/30	9/30	9/30	9/30	9/30
Maximum Flow (Ltrs per sec/ US Gallons per minute)	40/634	67/1061	172/2756	163/2582	220/3485
Solids Handling (mm/in)	38/1.5	45/1.8	77/3	77/3	80/3.2
Efficiency %	56	72	81	74	78
Approx Dimension (mm/in)	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
Approx Dry Weight (kg/lbs)	1000/2204	1050/314	1510/3328	1160/2557	1620/3571
How long would it take to empty the London 2012	17.4	110.4		4.3	3.1



(2,500,000 litres)





















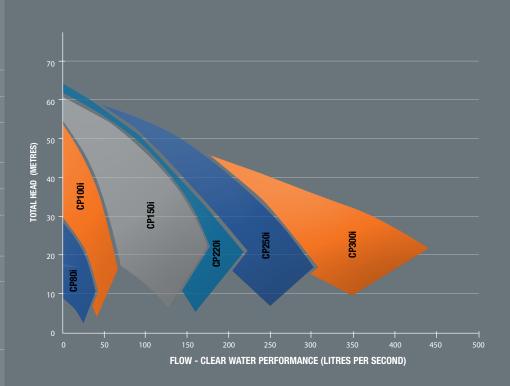








CP250i	CP300i
250x200/10x8	300x300/12x12
60/197	60/197
9/30	9/30
302/4783	445/7049
60/2.3	90/3
75	80
3700L x 1918W x 2403H 145L x 75W x 94H	6000L x 2012W x 2397H 236L x 79W x 94H
5000/11023	7370/16248
2.3 HOURS	1.5 HOURS
250mm 200mm	SOOmm SOOmm



ou'll move t 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

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, 220i and 300i) has an efficiency rating of 77%, can handle solids and offers industry-beating fuel consumption and emission control.

THE RANGE

	MINISUI	MINISUI	IVIMZZUI
Connections (mm/in)	150x150/6X6	200x150/8x6	200x200/8x8
Maximum Head (m/ft)	83/272	79/259	77/253
Maximum Suction (m/ft)	9/30	9/30	9/30
Maximum Flow (Ltrs per sec/ US Gallons per minute)	66/1046	156/2473	212/3360
Solids Handling (mm/in)	29/2.36	50/2	55/2.17
Approx Dimension (mm/in)	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 2649F 219.9L x 80.5W x 104.3F

Approx Dry Weight (kgs/lbs)



empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)



N /II 11 () ()















6865/15134



N /II 1150





7150/15763



5100L x 2010W x 2396H 200L x 79W x 94H 6200L x 2260W x 3014H 244Lx 88W x 118H

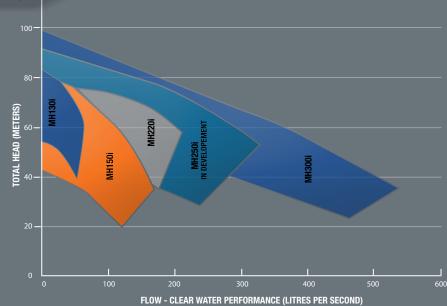












Pushing it higher.

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 automatic 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
- Mining
- Environmental

Industrial

- Clean Water
- Sludge
- Slimes
- Sewage
- Solids laden liquids



How long would it take to	124 e [1 7 g [138[1 2.5 [
Approx Dry Weight (kg/lbs)	1510/ 3328	6865/15134	5600/12345	6630/14616
Approx Dimension (mm/in)	2200L x 1100W x 2169H 86L x 43W x 85H	4799L x 1918W x 2413H 188L x 75W x 95H	5100L x 2010W x 2396H 200L x 79W x 94H	5400L x 2030W x 2448H 212L x 79W x 96H
Solids Handling (mm/in)	25/1	31/1.2	65/1.2	55/2.2
Maximum Flow (Ltrs per sec/ US Gallons per minute)	28/444	87/1378	188/2978	282/4467
Maximum Suction (m/ft)	9/30	9/30	9/30	9/30
Maximum Head (m/ft)	105/344	144/472	140/459	138/453
Connections (mm/in)	75x75/3x3	150x150/6x6	200x150/8x6	200x200/8x8
	HH80	HH130i	HH160i	HH220i



















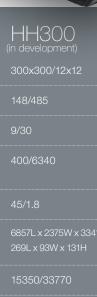


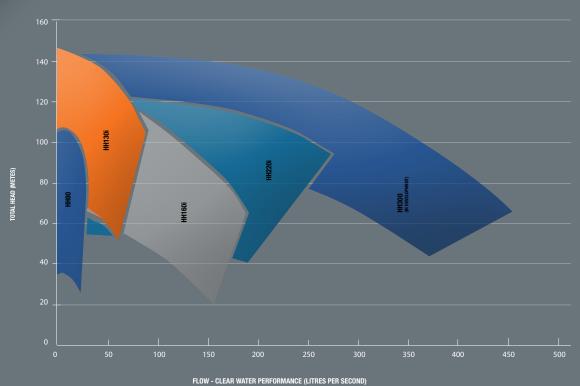


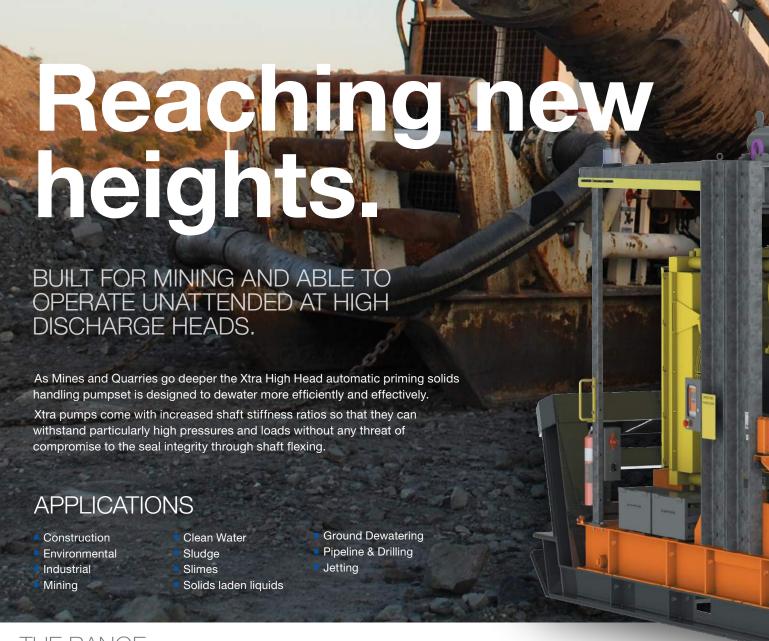


AT A GLANCE

- Operates in 'snore' conditions
- Simple maintenance
- Replaceable wear parts
- Solids handling up to 75mm
 - Pressure tested fuel tanks
- High ground clearance on
- 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



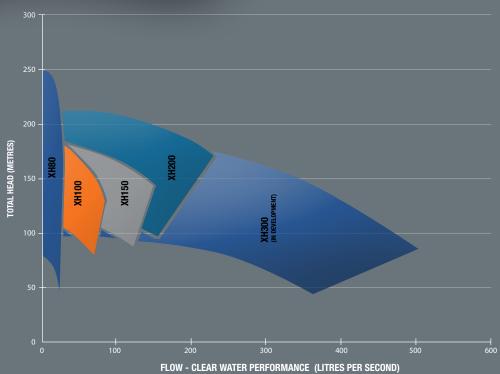




	XH80	XH100	XH150	XH200
Connections (mm/in)	100x75/4x3	150x100/6x4	200x150/8x6	250x200/10x8
Maximum Head (m/ft)	247/810	185/607	185/607	172/564
Maximum Suction (m/ft)	9/30	9/30	9/30	9/30
Maximum Flow (Ltrs per sec/ US Gallons per minute)	28/444	82/ 1299	150/2376	196/3105
Solids Handling (mm/in)	18/0.71	22/0.88	43/1.7	31/1.2
Approx Dimension (mm/in)	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
Approx Dry Weight (kg/lbs)	3900/8580	5870/12941	6850/15101	9440/21913
How long would it take to empty the London 2012	124.8 [1 a.s [1 4.7 Г	1 а.в Г



(in development)
300x300/12x12
187/613
9/30
450/7133
50/2
6857L x 2375W x 3341H
269L x 93W x 131H
15350/33770





	QSHH80	QSCP80i	QSCP100i QSWD100i	QSCP150iC QSWD150iC
Connections (mm/in)	75x75/3x3	75x75/3x3	100x100/4x4	150x150/6x6
Maximum Head (m/ft)	105/344	28.5/93	54/177	44/144
Maximum Suction (m/ft)	9/30	9/30	9/30	9/30
Maximum Flow (Ltrs per sec/ US Gallons per minute)	28/444	40/634	67/1061	163/2582
Solids Handling (mm/in)	25/1	38/1.5	45/1.8	77/3
Approx Dimension (mm/in)	2500L x 1100W x 1900H 98L x 43W x 75H	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
How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	24.8 HOURS	17.4 HOURS	10.4 HOURS	4 HOURS
	75mm 75mm	75mm 75mm	100mm 100mm	150mm 150mm

NOISE SKID BASED QS/QSM pumps have been designed to comply with QS pump sets can be fixed to a common skid base noise output regulations governing worksites and urban which incorporates a 24 hour (minimum) fuel tank and areas. The QSM has a noise level output of 65dBA at 7 bunded area. meters at full load. The QS range is also available in SQS - super silenced units. MOBILE **MAINTENANCE** QS pumps can be bolted onto a twin axle galvanised trailer. If appropriate, the trailer system can be fitted with Large lockable access doors have been designed with hose racks to store 10 lengths of suction hose, and 100 metres of layflat discharge hose. 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. QSCP150i QSCP220i 60/197 60/197 65 dBA *Note: All larger models may be sound attenuated upon application

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.

	YAKKAHH80	YAKKA100	YAKKA150
Connections (mm/in)	75x75/3x3	100x100/4x4	150x150/6x6
Maximum Head (m/ft)	67/220	37/122	29/96
Maximum Suction (m/ft)	9/30	9/30	9/30
Maximum Flow (Ltrs per sec/ US Gallons per minute)	28/444	67/1062	132/2091
Solids Handling (mm/in)	38/1.5	45/1.8	77/3
Approx Dimension (mm/in)	2250L × 1100W × 1375H 88L× 43W × 54H	2250L x 1100W x 2300H 88L x 43W x 90H	3400L × 1600W × 2300H 133L × 62W × 90H
Approx Dry Weight (kgs/lbs)	1410/3108	1325/2915	1800/3968
How long would it take to empty the London 2012 Olympic Swimming Pool? (2,500,000 litres)	24.8 HOURS	10.4 HOURS	5.3 HOURS
	O O	100mm 100mm	150mm 150mm



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 'bunding'
- 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

Solutions for the Real World.

AVAILABLE EXCLUSIVELY THROUGHOUT AUSTRALIA AND NEW ZEALAND FROM ALLIGHTSYKES, THE SULZER SUBMERSIBLE PUMP RANGE IS DESIGNED TO MOVE WATER AND ABRASIVES.

In the real world time is money, and worksites have no time for unwanted water. Sulzer has the solutions in a complete pump range for reliable dewatering.

Whether you work in mining, tunneling or construction, Sulzer pumps are your best insurance against water-related downtime. From purchasing to service, you can turn to Sulzer for dewatering solutions that make a difference in the real world.

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	Delivery (ø mm)	Capacity (m³/h)	Head (m)	A (400/1000 v)	HP/kW	RPM 50/60Hz	Solids Handling (Ø mm)	Weight (Kg)
J5	2″	15	11	2.9	0.48	2960		9.5
J12-WKS	2"	30	15	5.2	0.9	2750	6.5 x 22	16
J12-DKS	2″	30	16	2.3		2800	6.5 x 22	16
J15-WKS	2″	40	19	8.1	1.4	2800	6.5 x 22	
J15-DKS	2″	50	19	2.9	1.4	2800	6.5 x 22	16.5
J205HD	4"	140	72	39	21	2910	8 x 34	155
J205HD 1000V	4"	140	72	16	21	2910	8 x 34	155
J205ND	6″	360	32	39	21	2910	8 x 34	155
J405HD	4"	250	90	62	35	2930	8 x 34	270
J405HD 1000V	4"	250	90	25	35	2930	8 x 34	270
J405ND	8″	540	44	62	35	2930	8 x 34	270
J604HD	6"	500	58	106	56	1450	12 x 60	525
J604HD 1000V	6″	500	58	42	56	1450	12 x 60	525
J604ND	10″	1200	32	106	56	1450	12 x 60	525
XJ25HDAT	3″		26	5.1	2.5	2920	7.5 x 22	39
XJ25NDAT	3″	70	22	5.1	2.5	2920	7.5 x 22	39
XJ40HDAT	3″	70	33	7.6	3.7	2860	7.5 x 22	42



	Delivery (ø mm)	Capacity (m³/h)	Head (m)	A (400/1000 v)	HP/kW	RPM 50/60Hz	Solids Handling (Ø mm)	Weight (Kg)
XJ40NDAT	3″	90	26	7.6	3.7	2860	7.5 x 22	42
XJ50HDAT	3″	70	44	11.3	5.6	2930	7.5 x 22	
XJ50HD 1000V	3″	70	44	4.5	5.6	2930	7.5 x 22	
XJ50LDAT	6″	180	23	11.3	5.6	2930	7.5 x 22	
XJ50NDAT	4"	130	32	11.3	5.6	2930	7.5 x 22	
XJ80LDAT	6"	190	27	16	8.3	2920	7.5 x 22	63
XJ80NDAT	4"	140	36	16	8.3	2920	7.5 x 22	63
XJ80SD 1000V	3″	40	73	6.4	8.3	2920	7.5 x 22	78
XJ80SDAT	3″	40	73	16	8.3	2920	7.5 x 22	78
XJ110HDAT	3″	120	52	21.5	11.8	2920	7.5 x 22	81
XJ110NDAT	4"	200	37	21.5	11.8	2920	7.5 x 22	81
XJS25D143AT	3″	60	18	5.1	2.5	2920	45 x 55	39
XJS40D160AT	3″	70	23	7.6	3.7	2860	45 x 55	41
XJS50D175AT	3″	90	26	11.3	5.6	2930	48 x 60	
XJS80D195AT	3″	110	33	16	8.3	2920	48 x 60	64
XJS110D195AT	3″	120	36	21.5	11.8	2920	48 x 60	80

Solution Providers. LET ALLIGHTSYKES BE YOUR SOLUTION PROVIDERS WITH A VAST RANGE OF VALUE ADD OPTIONS. **Bolt on or Integral Trailers Extended Run Time Skids** Steel or Poly Pontoons System Design Portable Flow Meters Standpipes **Remote Monitoring Walkways** (website or SCADA) **Wellpoint Solutions** Work Shop Repair **Blast Cages** Electric VFD / Starters Test Tanks Soft Starters

VALUE ADD OPTIONS



Bolt On or Integral Trailer Options



On-Site Maintenance



Test Tanks



Standpipes



Steel or Poly Pontoons



Walkways & Pipe Floats



SYKES PUMPENDS

SEALING

• Dry running mechanical or gland packed seals

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 40 years
- Certified to ISO 9001
- All pump ends are fully tested prior to dispatch

SHAFT STIFFNESS RATIO

- Shaft stiffness (L³/D⁴ 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

OTHER MATERIALS AVAILABLE

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

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

Matarial variances are available

Material variances are available



ALLIGHTSYKES

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