

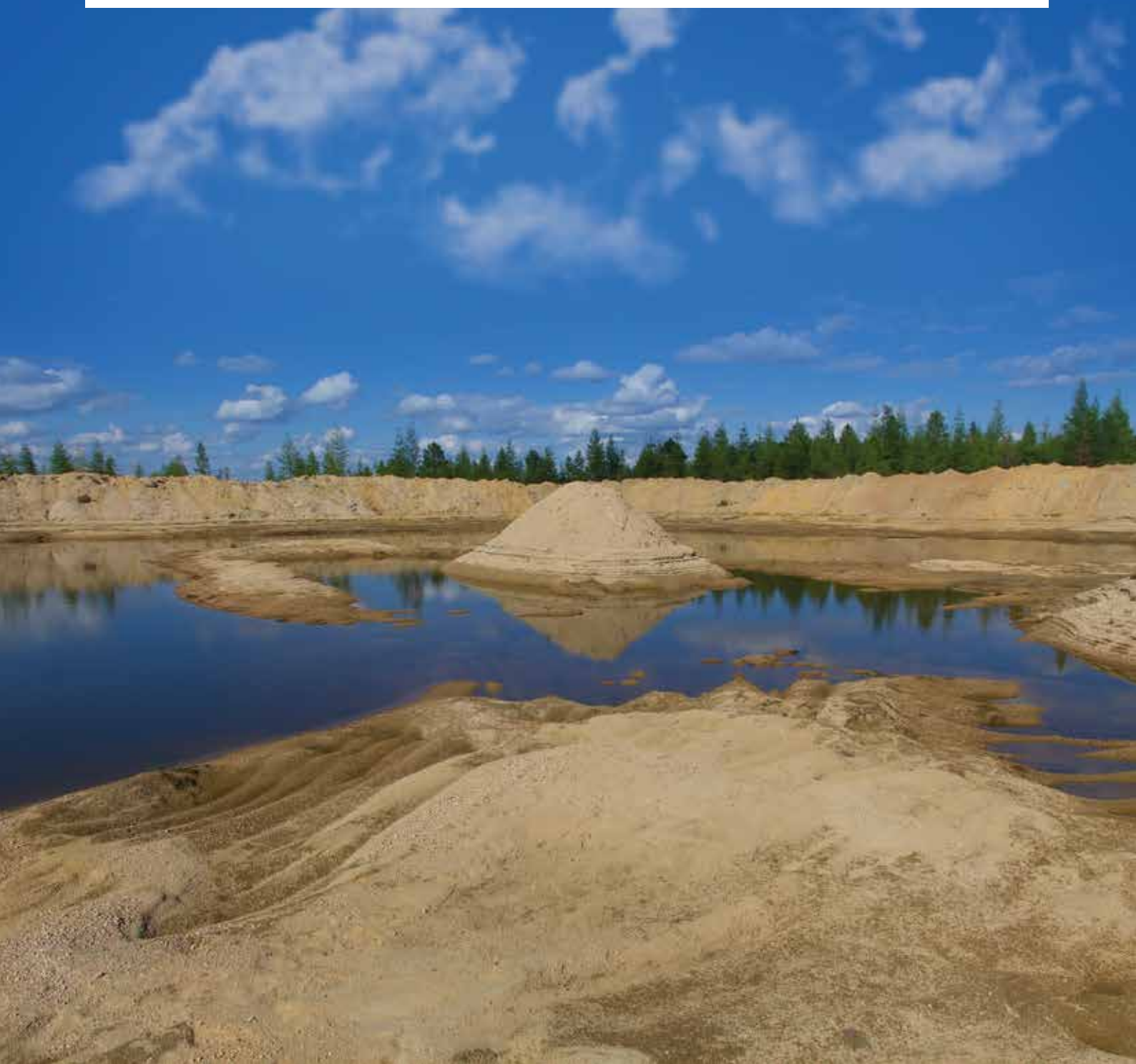
DEWATERING SOLUTIONS

Centrifugal diesel open frame pumps



Sustainable Productivity

Atlas Copco



DEWATERING SOLUTIONS

The PAS range was developed as a result of our over 140 years' experience working with construction customers across the world. Our strategy fits perfectly with pumps. The first focus, of course, is providing efficient products. We strive to develop products that are better for you and better for the environment. Secondly, the products should be easy to take to your point of work. Therefore we put a huge amount of focus on making products that are smaller and lighter, with features that make them easy to move.

WHEN IT COMES TO PUMPS, WE FOCUS ON FIVE KEY CRITERIA:



THE PAS RANGE HAS MANY GREAT BENEFITS:



WET AND DRY PRIME OPTIONS

The PAS open frame pump systems consist of a centrifugal pump with a semi-open impeller and a large separator. Air is separated from the liquid and sucked by the vacuum pump, making automatic priming possible.

Wet prime pumps offer an extremely portable, cost effective solution. They are best suited to applications with a consistent flow. Dry prime pumps offer improved efficiency over longer periods of usage. They are best suited for applications where you might experience periods of running dry or intermittent flows.

Even with suction heights of several metres, both ranges rapidly evacuate the air from the suction pipe and start to pump. The semi-open impeller makes both ranges suitable for pumping liquids with solids in the suspension.

TYPICAL APPLICATIONS

- Ground water dewatering
- Drainage of reservoirs, canals and ponds
- Sewage by-pass
- Naval platforms ballasting
- Removing water after floods/heavy rain



DRY PRIME DATA TABLES



TECHNICAL DATA

A lifting beam comes as standard on all PAS dry prime pumps.

Description		PAS4 DDM W220	PAS4 DDM A220	PAS4 DDM W250	PAS4 DDM A250	PAS4 DDM W260	PAS4 DDM A260	PAS6 DDM W250	PAS6 DDM A250	PAS8 DDM W305	PAS8 DDM A305
Max capacity	m ³ /h	270	270	265	265	325	325	540	540	630	630
Suction / discharge size		DN100 (4")	DN100 (4")	DN100 (4")	DN100 (4")	DN100 (4")	DN100 (4")	DN150 (6")	DN150 (6")	DN200 (8")	DN200 (8")
Max Head	m	33,5	33,5	30	30	42	42	37	37	30	30
Max Solids handling	mm	45	45	50	50	76	76	76	76	76	76
Best efficiency	%	75	75	70	70	70	70	78	78	64	64
Max Input power	Kw	16,5	16,5	12,5	12,5	24	24	27	27	33	33
Engine		Kohler KDI 1903M	Hatz 2M41	Kohler KDI 1903M	Hatz 2M41	Kohler KDI 2504M	Hatz 3M41	Kohler KDI 2504M	Hatz 3M41	Kohler KDI 2504TCR	Hatz 4M41
Cooling System		Water	Air	Water	Air	Water	Air	Water	Air	Water	Air
Power	kW	23,9	20,1	21,6	18,2	28,4	31,1	28,4	31,1	47,7	37,3
Max operating Speed	rpm	2200	2200	1800	1800	2000	2000	2000	2000	1800	1800
Emission compliance		EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA
Fuel autonomy @B.E.P	h	49	59	56	66	42	40	42	40	37	46
Weight	kg	945	1.000	945	995	945	1.000	980	1.000	1.410	1.515
Dimensions L x W x H (without trailer and skid)	mm	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	1.730 x 995 x 1.520	2.238 x 995 x 1.800	2.238 x 995 x 1.800

WET PRIME DATA TABLES



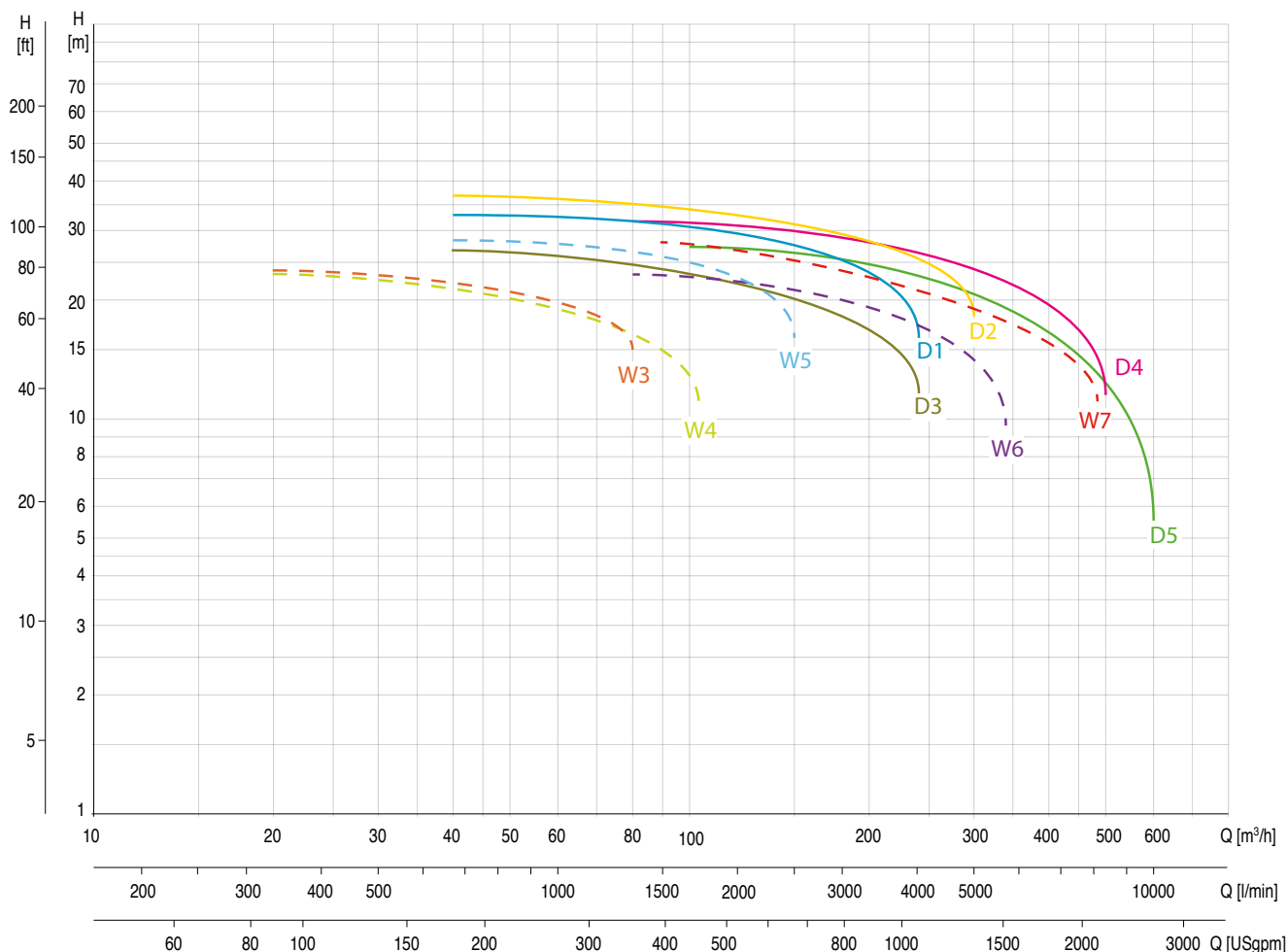
TECHNICAL DATA

With the exception of the PAS3, a lifting beam comes as standard on all PAS wet prime pumps.

Description		PAS4 WDM W 250	PAS4 WDM A 250	PAS6 WDM W250	PAS6 WDM A 250	PAS8 WDM W 305	PAS8 WDM A 305	PAS3 WDT A 140	PAS3 WDT A 210
Max capacity	m ³ /h	180	180	340	340	540	560	105	120
Suction / discharge size		DN100 (4")	DN100 (4")	DN150 (6")	DN150 (6")	DN200 (8")	DN200 (8")	DN75 (3")	DN75 (3")
Max Head	m	32	32	27,5	27,5	35	35	26	24,5
Max Solids handling	mm	50	50	76	76	76	76	28	40
Best efficiency	%	63	63	60	60	53	53	60	63
Max Input power	Kw	13,2	13,2	19,0	19,0	31,0	31,0	6,0	6,5
Engine		Kohler KDI 1903M	Hatz 2M41	Kohler KDI 1903M	Hatz 3M41	Kohler KDI 1903 TCR	Hatz 4M41	Kohler 15LD440	Kohler 12LD477-2
Cooling System		Water	Air	Water	Air	Water	Air	Air	Air
Power	kW	21,6	18,2	21,6	28,0	33,6	37,3	6,4	8,5
Max operating Speed	rpm	1800	1800	1800	1800	1800	1800	3200	1800
Emission compliance		EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	EU Stage IIIA	N/Em	N/Em
Fuel autonomy @B.E.P	h	24	29	24	19	19	17	2,8	4,5
Weight	kg	595	645	705	805	870	920	155	245
Dimensions L x W x H	mm	1.730x995x1.520	1.730x995x1.520	1.730x995x1.520	1.730x995x1.520	2.238x995x1.800	2.239x995x1.800	720 x 920 x 1.100	780x1.250x1.170

RANGE PERFORMANCE

We have a range of products to cover multiple applications. Below you can find a summary of performance and over the following pages you can find the individual curves.



DRY PRIME

- D1 = PAS4 DDM-220
- D2 = PAS4 DDM-260
- D3 = PAS4 DDM-250
- D4 = PAS6 DDM-250
- D5 = PAS8 DDM-305

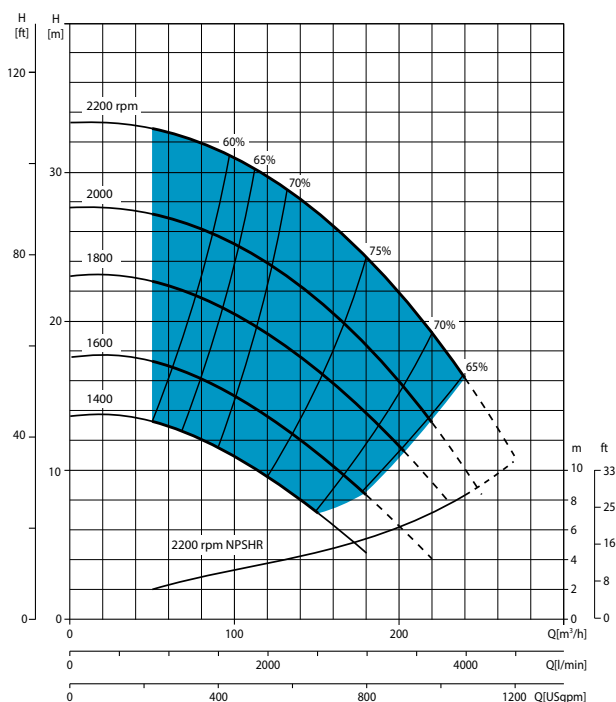


WET PRIME

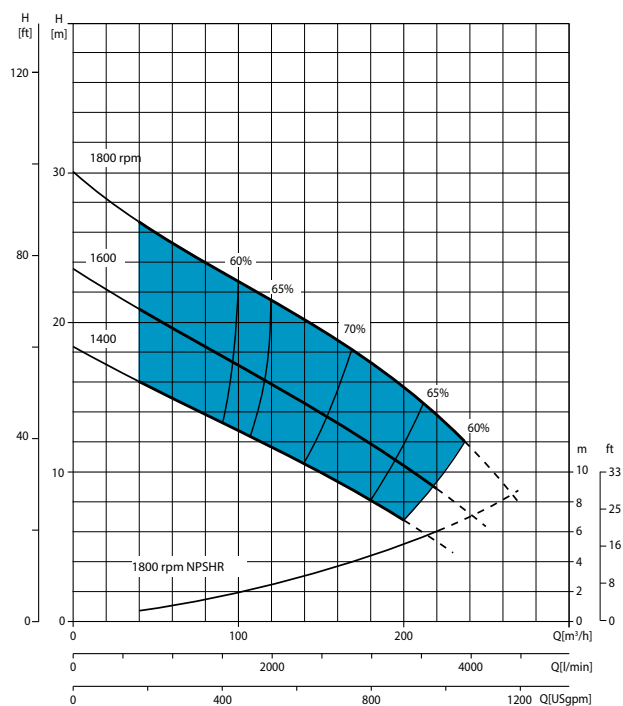
- W3 = PAS3 WDT-A140
- W4 = PAS3 WDT-A210
- W5 = PAS4 WDM-250
- W6 = PAS6 WDM-250
- W7 = PAS8 WDM-305

PERFORMANCE CURVES

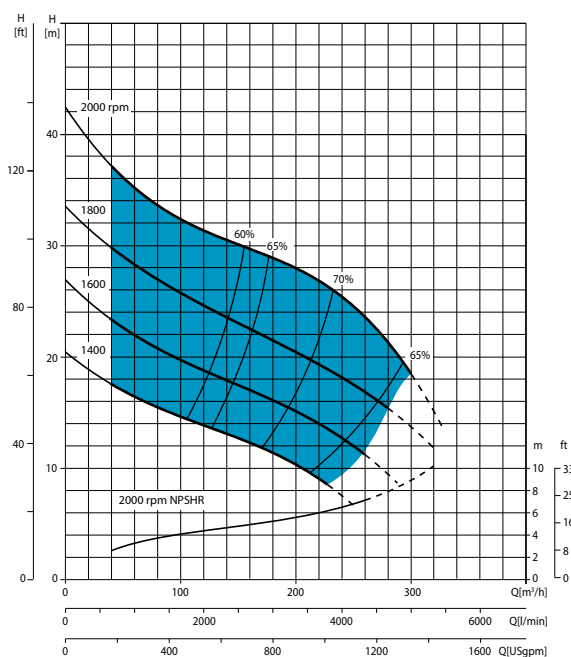
 **PAS4 DDM 220**



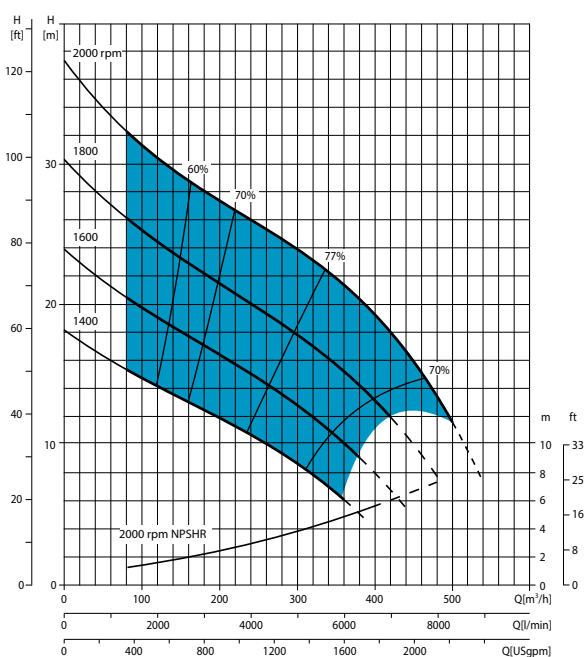
 **PAS4 DDM 250**



 **PAS4 DDM 260**

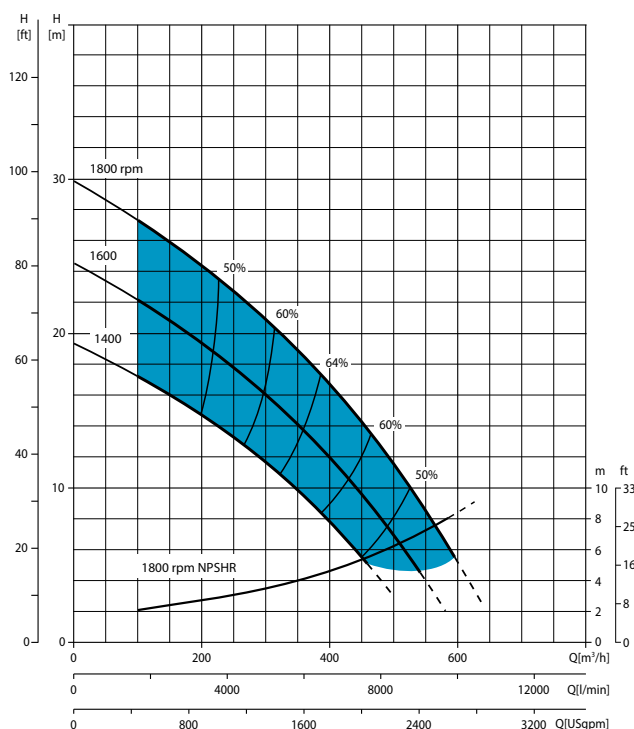


 **PAS6 DDM 250**

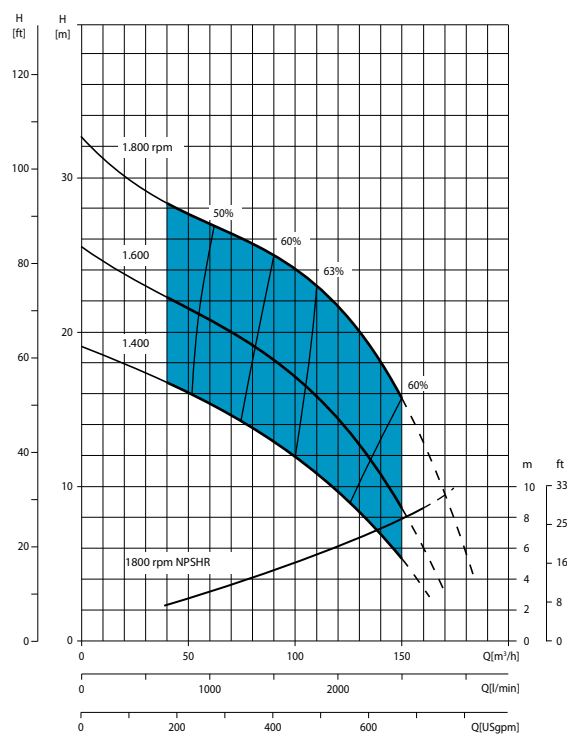


PERFORMANCE CURVES

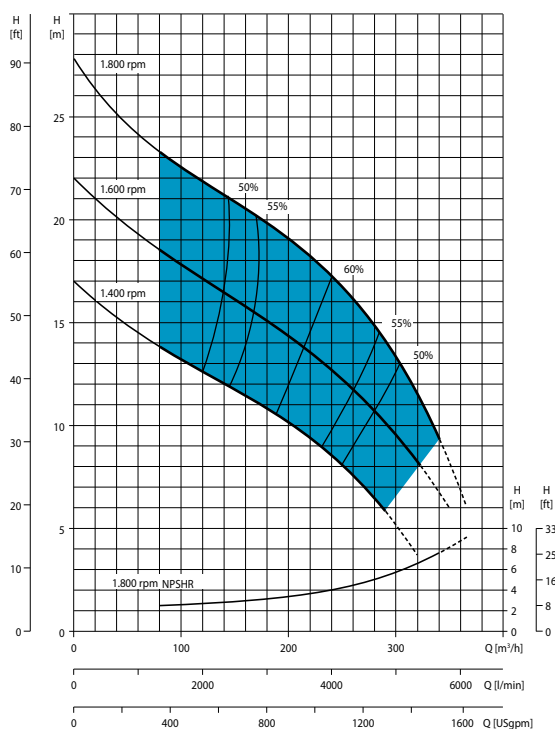
 **PAS8 DDM 305**



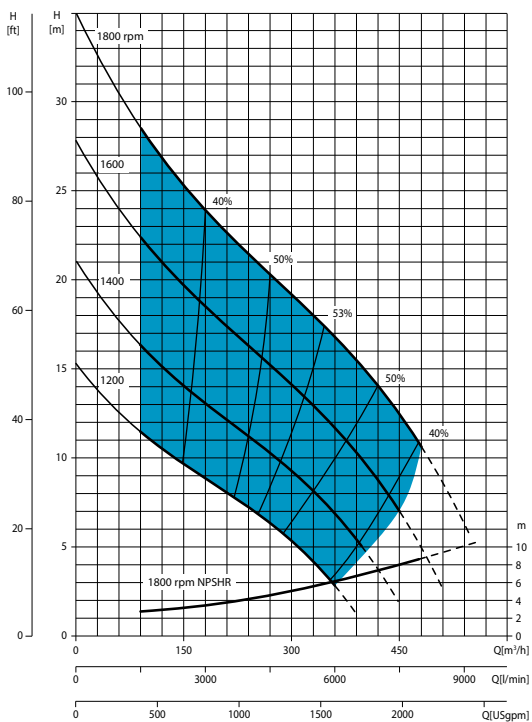
 **PAS4 WDM 250**



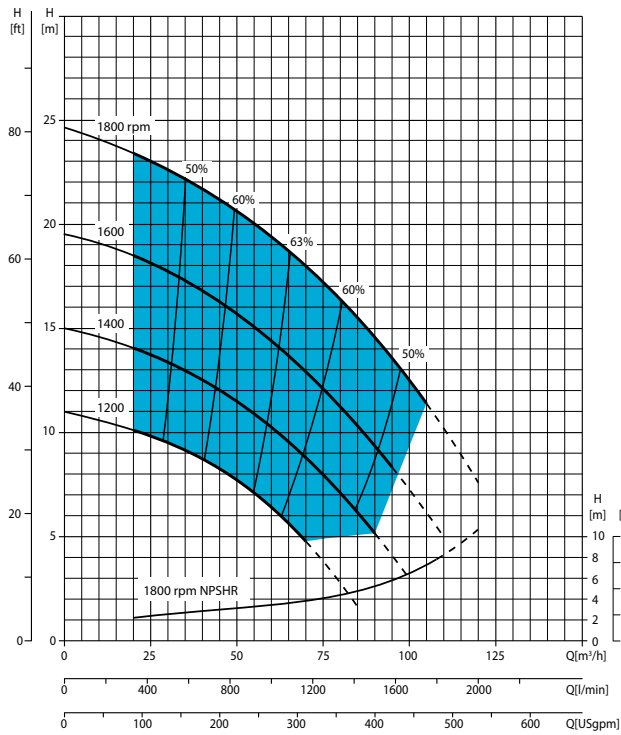
 **PAS6 WDM 250**



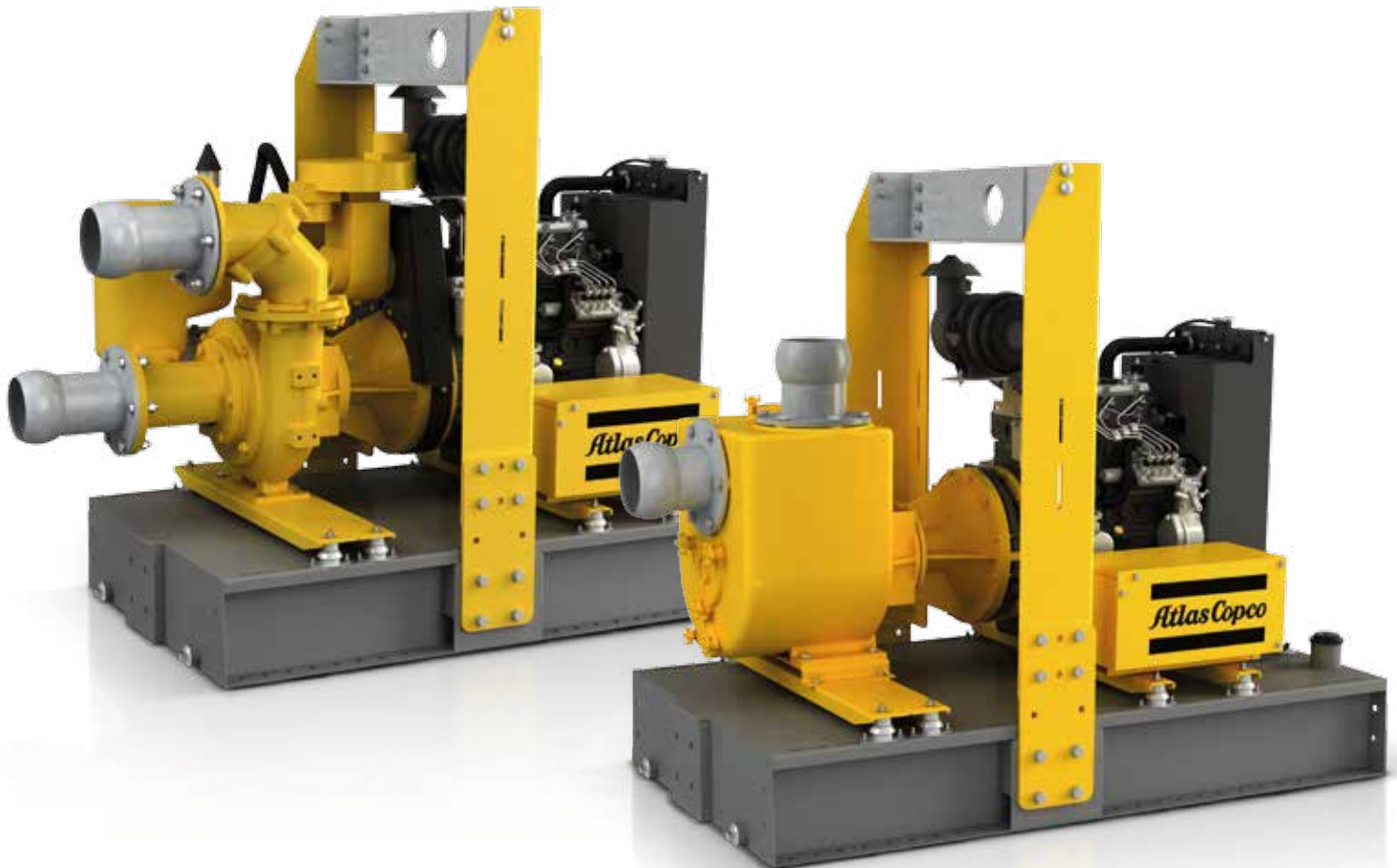
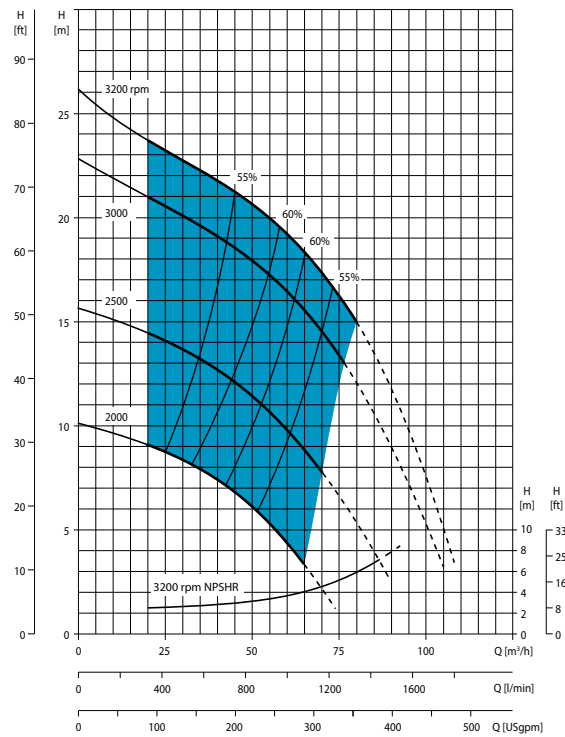
 **PAS8 WDM 305**



PAS3 DWT 210



PAS3 WDT 140



MODULAR DESIGN

You don't buy a pump. You build a system that is made for you! Modular customization is a feature of our products.

LIFTING SUPPORT MECHANISMS:

Find the option which is right for you.

NEED THE PUMP ON WHEELS?

No problem, we have the right option for you. (Please note, this is not a road certified trailer).

WE HAVE THREE DIFFERENT TYPES OF SKID AVAILABLE:

- Fork lift skid
- Fork lift skid with bars
- Heavy duty skid

WE ALSO OFFER A CHOICE OF IMPELLERS AND WEAR PLATES:

- Stainless steel
- Bronze
- Zinc

DRY PRIME



This lifting beam comes as standard with all configurations below.



WET PRIME



This lifting beam comes as standard with all configurations below.



Atlas Copco

PUMP PORTFOLIO

MODEL

WEDA: centrifugal electric submersible pumps

14 MODELS
275 – 16500 l/min



A GREAT CHOICE WHEN:

- You have power available
- You need something that is truly portable
- You need low noise levels
- You need to pump liquids with abrasive solids
- You have an application where suction lift is a concern

PAS: centrifugal dry prime diesel canopy pumps

3 MODELS
833 – 9833 l/min



- You have no easy access to a power source
- There is no space to fit a submersible pump in the pit
- There are solids in the liquid
- You need the pump as a permanent or semi permanent installation
- You need the canopy to protect parts and lower noise levels

PAS: centrifugal dry/wet prime diesel open frame pumps

10 MODELS
3300 – 7500 l/min



8 MODELS
3300 – 7500 l/min



- You have no easy access to a power source
- There are solids in the liquid
- You need easy access to all parts (open frame)
- You need to move the pump to different job sites easily

LB: diaphragm self-priming (electric, gasoline, diesel options) portable pumps

6 MODELS
210 – 525 l/min



- You have solids in the suspension
- Your application does not require high volume pumping

ETP: centrifugal self-priming (gasoline and diesel options) portable pumps

4 MODELS
830 – 2500 l/min



- You need relatively high flows from a very portable model and need to start pumping quickly. (Great for emergency applications)
- You need good fuel autonomy

JB: centrifugal self-priming gasoline portable pumps

2 MODELS
490 – 530 l/min



- You need a very cost effective choice
- You are only pumping small volumes of water

PORTABLE ENERGY SOLUTIONS PORTFOLIO

AIR COMPRESSORS

READY TO GO

- 1-5 m³/min
- 7-12 bar



VERSATILITY

- 7-22 m³/min
- 7-20 bar



PRODUCTIVITY PARTNER

- 19-64 m³/min
- 10-35 bar



Diesel and electric options available.

GENERATORS

PORTABLE

- 1,6-13,9 kVA



MOBILE

- 9-1250* kVA



INDUSTRIAL

- 10-1250* kVA



*Multiple configurations available to produce power for any size application.

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE

- 275-16.500 l/min



DIESEL DRIVEN CANOPY

- 833-9833 l/min



DIESEL DRIVEN OPEN FRAME

- 3300-7500 l/min



LIGHT TOWERS

LED



METAL HALIDE



SOLAR



COMMITTED TO SUSTAINABLE PRODUCTIVITY

Atlas Copco's Portable Energy division has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs – while never compromising our environmental principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

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