und Attenuated • Compact Diesel Driven • Automatic Dry Priming • Supraflow Hydraulics

QUIET ZONE®

DP$_e$/QZ Series

Innovations in Pump Technology

Sizes 4", 6" and 8"

exclusively from

ACME DYNAMICS®
THE FUTURE IN PUMP TECHNOLOGY

naPrime e Series... a class of its own.

Unlike other solutions to diesel powered pump noise control, Acme Dynamics developed a more sophisticated answer – Acme engineered a complete integrated system solution. Not just a metal box over a pump.

e evolution

First, the engineers of Acme Dynamics started with a clean sheet of paper with one goal in mind: Build a range of world-class quiet pumps to meet the arduous demands of today and tomorrow. Great attention was paid to the latest technological advancements in hydraulic, high-speed engine and electrical design. From the fusion of these technologies was born The Acme Dynamics DP e QuietZone® range of diesel powered pumps, a pump to keep you ahead of the curve. This radical innovative design offers real world benefits, quiet, compact, economic and powerful all within an environmentally compliant package. Every detail has been addressed and the DynaPrime e range of pumps superior capabilities are evident.

ake a look and see the future of mp technology...

DYNA PRIME e

Big Performance, Compact Package

Clean, Quiet and Compliant

Today, and in the future, emissions are a real concern. The issues of noise, engine emissions and other environmental pollution concerns have all been addressed. The Acme Dynamics DP e QuietZone® is safe and sound technology for today and tomorrow.

Built and Tested to last

Before any Acme Dynamics pump is introduced to the market it is "real world" tested in its Florida rental fleet, and monitored for continual product improvement. Built to last, with every Acme Dynamics pump you are assured of the highest reliability, performance, quality and durability, with minimal maintenance.

Support is only a phone call away

As with all things mechanical, unexpected problems can arise at any time, that's why toll free (1-800-622-9355) service and technical support is available 24-hours a day, 7 days a week.

Range

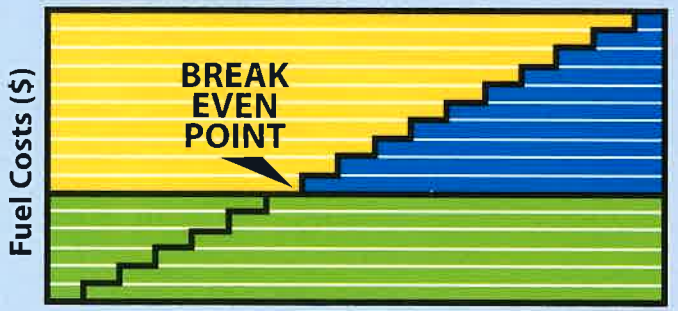
One basic design – many models and capabilities. Within this sound attenuated enclosure the potential exists to create different performance options to meet today's varied applications. This capability has the added benefit of high parts interchangeability between the DynaPrime family of pumps.

The Fusion of Pump Technology...

Efficiency means fuel savings

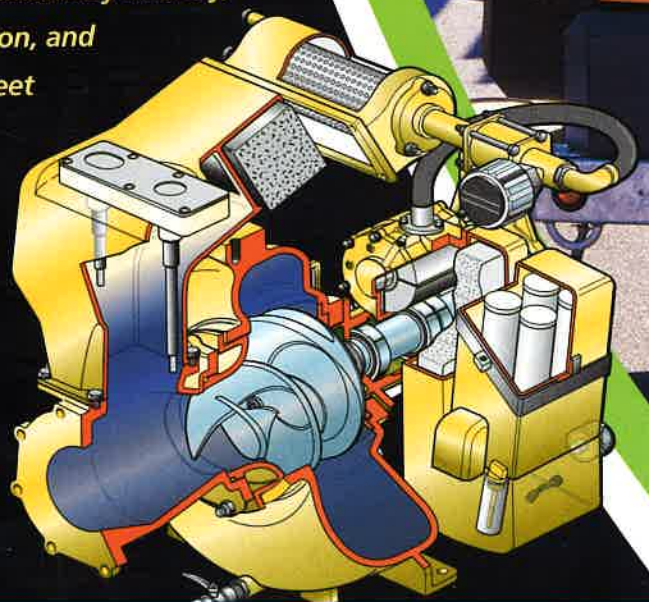
Fuel efficiency does not have to be sacrificed for large solids handling with these pumps by virtue of the spiral shaped impeller technology known as **Supraflow**. Using this unique impeller design means that more efficient and compact diesel engines can be used to do the job. For example, the DP200/QZI consumes 1.74 gallons per hour of fuel as compared to other pumps of similar capacity characteristics which can consume up to 3.44 gallons per hour. Over the course of a year the *fuel savings can be substantial. For instance, using the example above, over a 3,000 hour time period at $1.25 per gallon fuel cost, savings would be $6,375 per year!

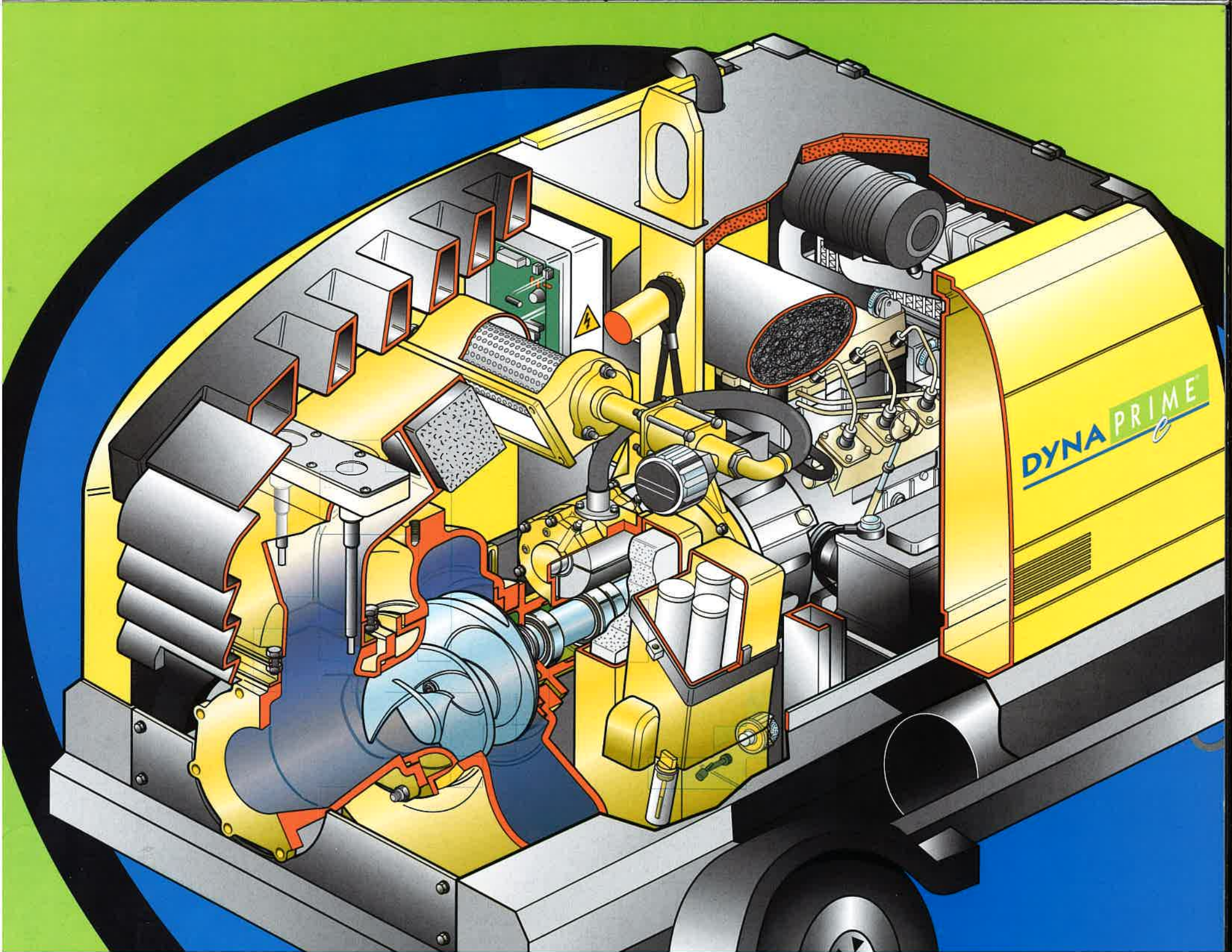
Fuel savings will vary based on operation and site conditions. Contact Acme Dynamics for a more detailed comparison/ evaluation of these savings.



ry Priming erformance n Demand

Today, there are many choices of Priming systems. It is important that the right one is chosen to meet your demanding and varied applications. Acme Dynamics believes that our "e" or electric automatic priming system is the best available on the market. It only works when it has to, which means that all the power goes into pumping and is not wasted. This on-demand fully automatic priming keeps wear and tear to a minimum because the system only works when needed. This system has virtually no moving parts, it is environmentally friendly, operates on flooded suction, and has a powerful 65 cubic feet per minute of air handling capability to get the job done. This one system does it all, from wellpointing to site dewatering, to sewage bypassing.




DYNA PRIME

9 Control Panel

Choice of controls is offered, from the standard equipment "basic" panel to the optional automatic stop/start systems. Upgrading from one system to another is easily accomplished via plug-in connectors. These controls are integrated into the main enclosure body; access is through a hinged lockable steel cover for the prevention of unauthorized use and vandalism.

11 Suction and Discharge Connections

Both connections are located and orientated towards the rear of the pumpset. Low connection heights are designed for operation ease with wide choice quick connection couplings being available such as Bauer®, cam & groove flanges and bends.

10 Lifting Eye

Designed for loading and unloading provides yet another example of safety consciousness. This center balanced lifting system includes a redundant safety backup wire strap secured to the pump and engine in case of accidental damage during site use.

12 Choice of Mounting Arrangements

This pump range consists of one basic module known as a "POD." This standardized arrangement can be easily configured into the following mounting options.

POD/Base – Mount to your own trailer, truck or attach to base.

Skidframe – Designed for dragging

Trailer – Complies with DOT requirements:

Frame: Hot-dipped galvanized, for a long last corrosion and maintenance free finish. Four corner tie-down loops for transportation.

Axle: Hot –dipped galvanized, with replaceable spindle.

Lighting: Recessed/protected within rubber grommets.

Jacks: Spring-loaded swivel design with oversized foot for soft ground conditions. Replacement is easy and inexpensive.

Fenders: Premium, heavy duty, black polyethylene, impact and damage resistant. Galvanized steel bracket reinforced. Durable and strong, easy to replace, and inexpensive.


REGIONAL MEDICAL CENTER
pump on
ACME DYNAMICS
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DYNA PRIME
QUIET ZONE

8" DP$_e$200/QZI

Pump

- Max Flow: 2700 GPM
- Max Head: 127 ft. TDH
- Max Solids: 3" x 3.5" elongated

Engine

Isuzu model 4LE1

- Type: Diesel 4 cylinder, 4 cycle, water cooled, OHV, Vertical in-line, Indirect injection diesel.
- Power rating: 2000 - 2200 RPM, 32.8 - 38 BHP continuous

Fuel Tank

- Fuel Tank: 65 gallons
- Fuel Consumption: 1.73 gal/hr. at 2000 RPM
- Run time with 65 gal. fuel cell: 37.5 hours

Sound Pressure Level

- 64.15 dB(A) at 23 feet (Full Power/Pumping)

8" DP$_e$200M/QZJD

Pump

- Max Flow: 2700 GPM
- Max Head: 200 ft. TDH
- Max Solids: 3" x 3.5" elongated

Engine

John Deere model 4045D

- Type: Diesel 4 cylinder, 4 cycle, water cooled, OHV, Vertical in-line, Direct injection diesel.
- Power rating: 1500 - 2200 RPM, 53 - 68 BHP continuous

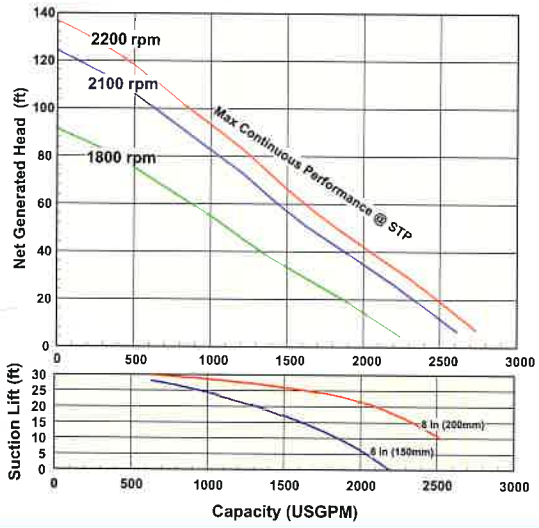
Fuel Tank

- Fuel Tank: 78 gallons
- Fuel Consumption: 2.9 gal/hr. at 2000 RPM
- Run time: 26 hours

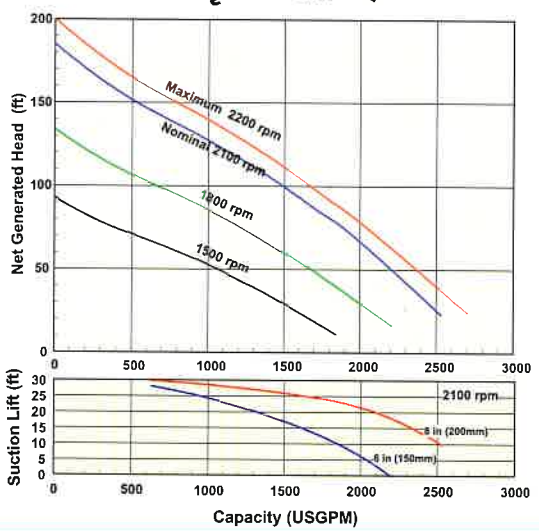
Sound Pressure Level

- Contact factory

DP$_e$200/QZI



DP$_e$200M/QZI




ACME DYNAMICS
THE FUTURE IN PUMP TECHNOLOGY
DYNA PRIME QUIET ZONE

How Quiet Is Quiet?

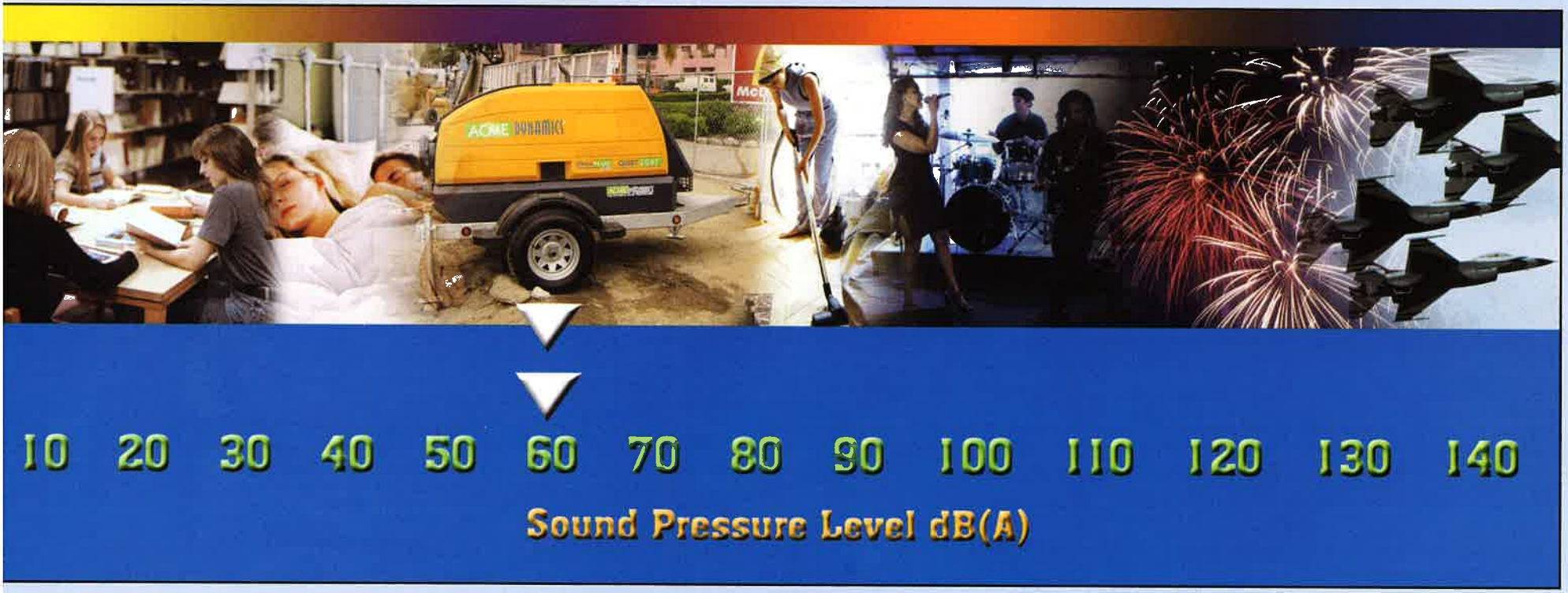
In many applications there is a demand for quiet pumping. Acme Dynamics has a wealth of experience in sound attenuation. Acme knows that there is no magical solution to sound attenuation, however, our sound attenuated pumps are a result of extensive research and development coupled with "real-world" testing. All components have been carefully selected to provide a complete integrated system solution. With Acme Dynamics QuietZone® pumps, you get the benefit of our experience and investment in sound attenuated technology.

Talk is Cheap...

The noise level of every Acme Dynamics QuietZone® pump is traceable to ISO standard 3744, with a certified test available upon request. Don't be fooled by others, especially when the decibel (dB) rating is not specified with a **stated distance or pumping condition**. Remember, each 10 dB increase in noise level is equivalent to a doubling of the ***"loudness"***, this fact is important when comparing 63 dB(A) to say 73 dB(A). The 73 dB(A) reading is twice as loud as the 63 dB(A) rating. Some Acme Dynamics models can be rated at sound pressure levels as low as 58 dB(A) at a 23 foot distance fully operational and pumping.

Certified noise test data sheets are available upon request.

Noise Level Comparison Chart

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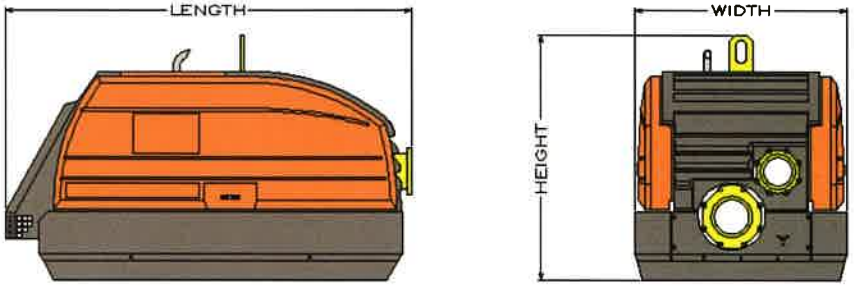
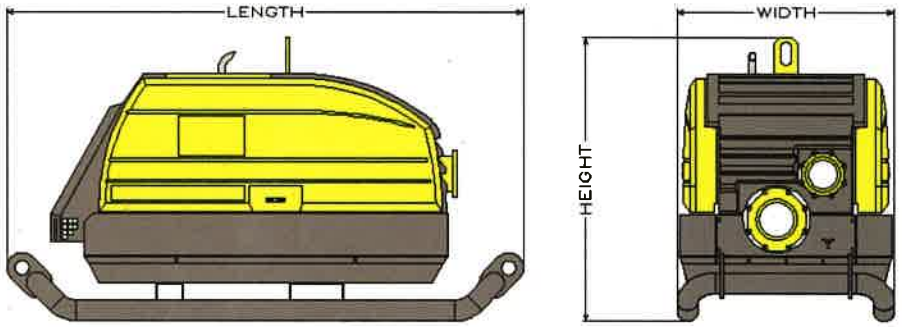
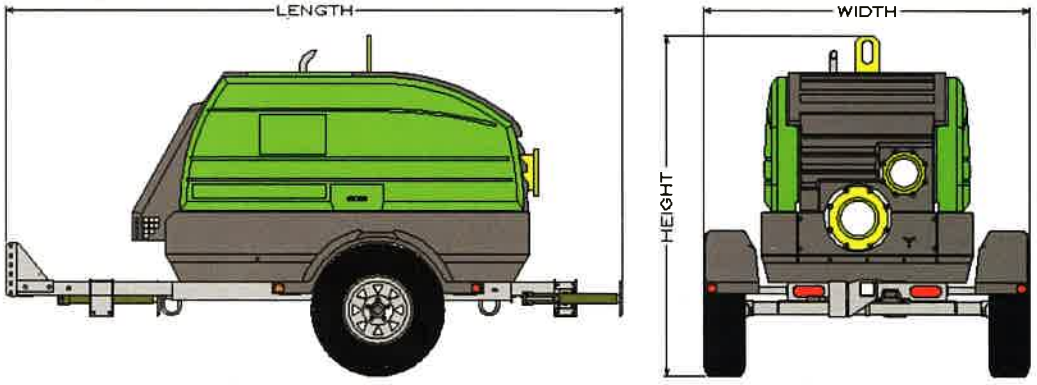
eight & Dimensions



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT/LBS.
DP_e100/QZI	87"	45"	53"	2,780
DP_e100M/QZI	87"	45"	53"	2,780
DP_e100MM/QZI	87"	45"	53"	3,066
DP_e150/QZI	87"	45"	53"	2,780
DP_e150M/QZI	87"	45"	53"	3,066
DP_e150MM/QZJD	87"	45"	60"	4,650
DP_e200/QZI	87"	45"	53"	3,066
DP_e200M/QZJD	87"	45"	60"	4,650



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT/LBS.
DP_e100/QZI	111"	47"	61"	3,120
DP_e100M/QZI	111"	47"	61"	3,120
DP_e100MM/QZI	111"	47"	61"	3,406
DP_e150/QZI	111"	47"	61"	3,140
DP_e150M/QZI	111"	47"	61"	3,406
DP_e150MM/QZJD	111"	47"	67"	4,990
DP_e200/QZI	111"	47"	61"	3,406
DP_e200M/QZJD	111"	47"	67"	4,990



MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT/LBS.
DP_e100/QZI	132"	70"	73"	3,120
DP_e100M/QZI	132"	70"	73"	3,120
DP_e100MM/QZI	132"	70"	73"	3,406
DP_e150/QZI	132"	70"	73"	3,140
DP_e150M/QZI	132"	70"	73"	3,406
DP_e150MM/QZJD	132"	70"	79"	5,150
DP_e200/QZI	132"	70"	73"	3,406
DP_e200M/QZJD	132"	70"	79"	5,150

Optional Color Doors Are Shown

* weight includes fuel