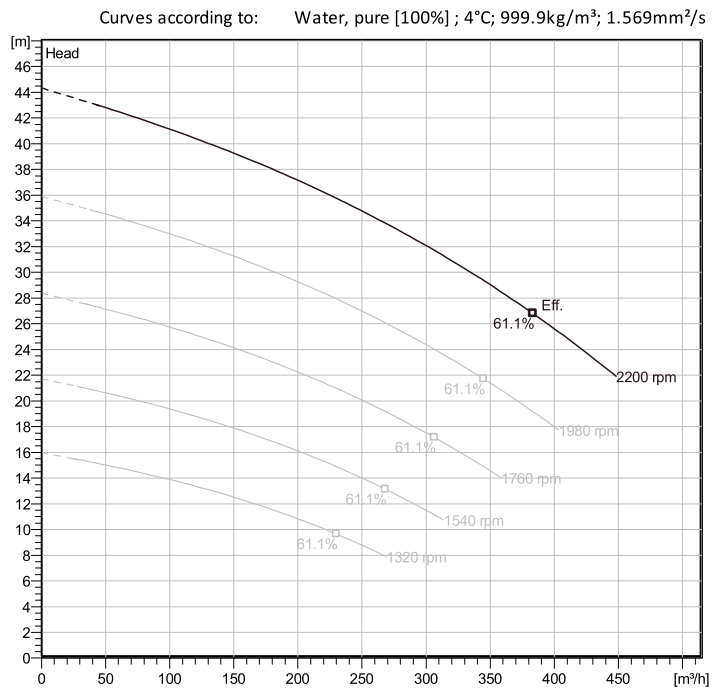


CD150MT - 404D-22 | EU Stage IIIA Perkins

High volume engine driven Dri-Prime pumps.
 Directly coupled (or via a gearbox). Uses include temporary or stand-by large solids size wastewater removal on short horizontal pipe runs at low to medium elevations or low force-main pressures.

High Volume, Medium Head, Large Solids Handling.

Technical specification



Full Set Information

Manufacturer part number	Xylem part number	Drive model 404D-22 EU Stage IIIA	Installation type Open Set
Mounting Portable Base	Lifting frame	Wet weight Not available	Fuel tank volume (usable)

Pump Information

Materials

Impeller diameter 260 mm	Maximum operating temperature 80 °C	Material package ID 01	Outer mechanical seal face Silicon Carbide
Discharge size 150 mm	Maximum working pressure 500 kPa	Volute	Mechanical seal construction 316 Stainless Steel
Suction size 150 mm	Maximum suction pressure 400 kPa	Impeller	Mechanical seal elastomers Fluoroelastomer
Minimum operating speed 1200 rpm	Maximum casing pressure 700 kPa	Wear plate	
Maximum operating speed 2200 rpm	Pump end bearing Taper Roller	Shaft	
Maximum solids handling 75 mm	Drive end bearing Taper Roller	Inner mechanical seal face Silicon Carbide	

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Technical specification

Drive information

Make
Perkins

Model
404D-22 | EU Stage IIIA

Class
EU Stage IIIA

Rated power
0 kW

Power available at maximum speed
27.1 kW

Power available at minimum speed
Not available

Drive Performance

Power available at selected speed
27.1 kW

Power losses from gearbox
Not applicable

Power losses from compressor
2.0 kW

Power losses from humidity
Not available

Power losses from elevation and temperature
Not available

Net power available at selected speed
25.1 kW

Net power available at maximum speed
25.1 kW

Net power available at minimum speed
Not available

Load ratio at duty point
Not available

Gearbox

Ratio
Not applicable

Reduction factor
Not applicable

Compressor

Type
TYPE 2W440R

Power rating
2.0 kW

Installation
Stand-alone

Lubrication
Oil lubricated, supplied by engine

Noise rating (Enclosed Sets)

Operating speed (rpm) | **Decibel rating (dBA) at distance from pump**

Cooling method
Water cooled, supplied by engine

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Performance curve

Pump

Impeller diameter
260 mm

Selected operating speed
2200 rpm

Fuel

Consumption rate

Hours running at duty point
Not available

Driver

Model
404D-22 | EU Stage IIIA

Net power available at selected speed
25.1 kW

Duty point

Flow

Head

NPSH required at duty point
Not available

NPSH available
9.7 m

Load ratio

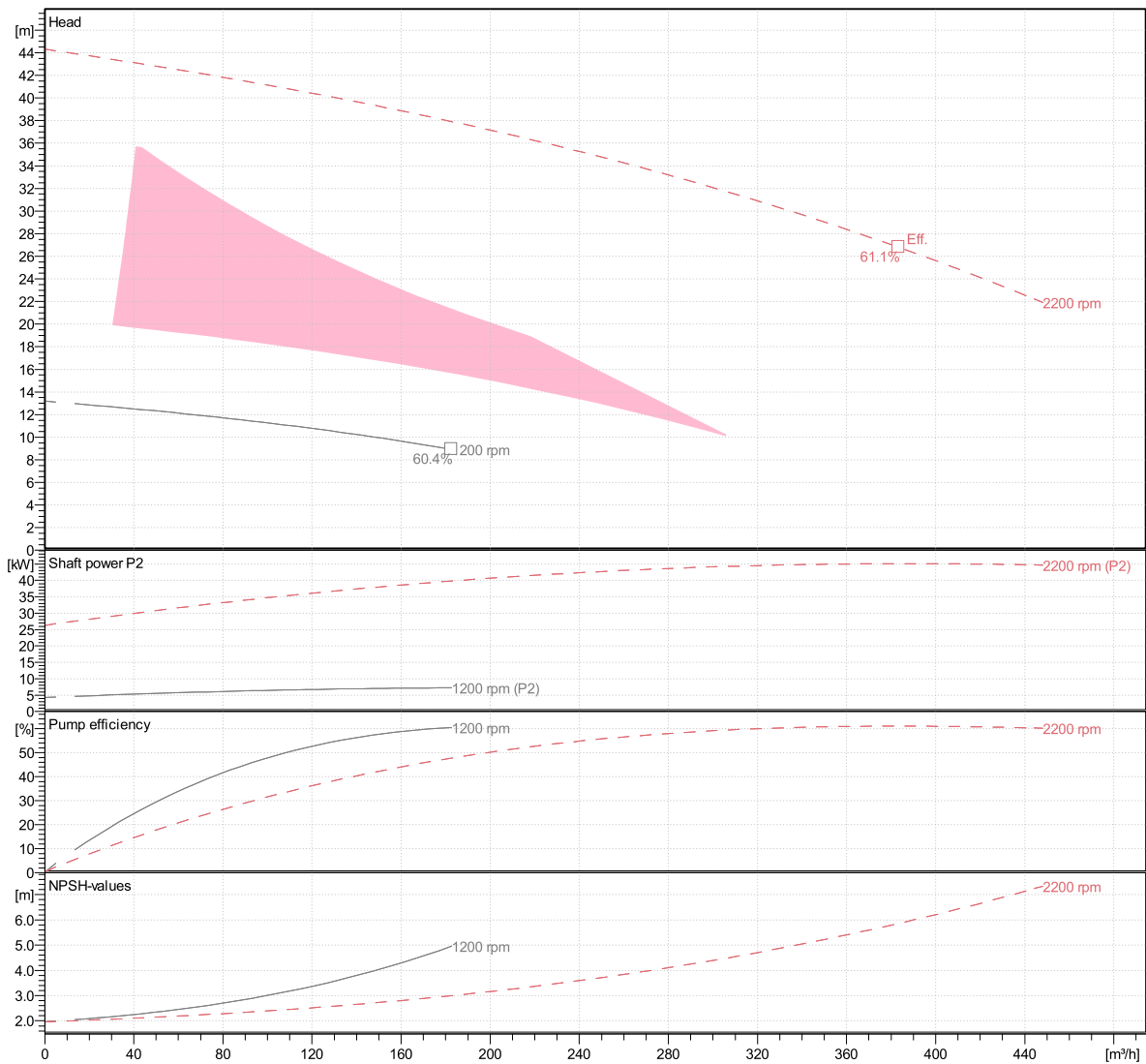
Site Conditions

Air temperature
20 °C

Elevation
0 m

Air humidity
20 %

NPSH available
9.7 m



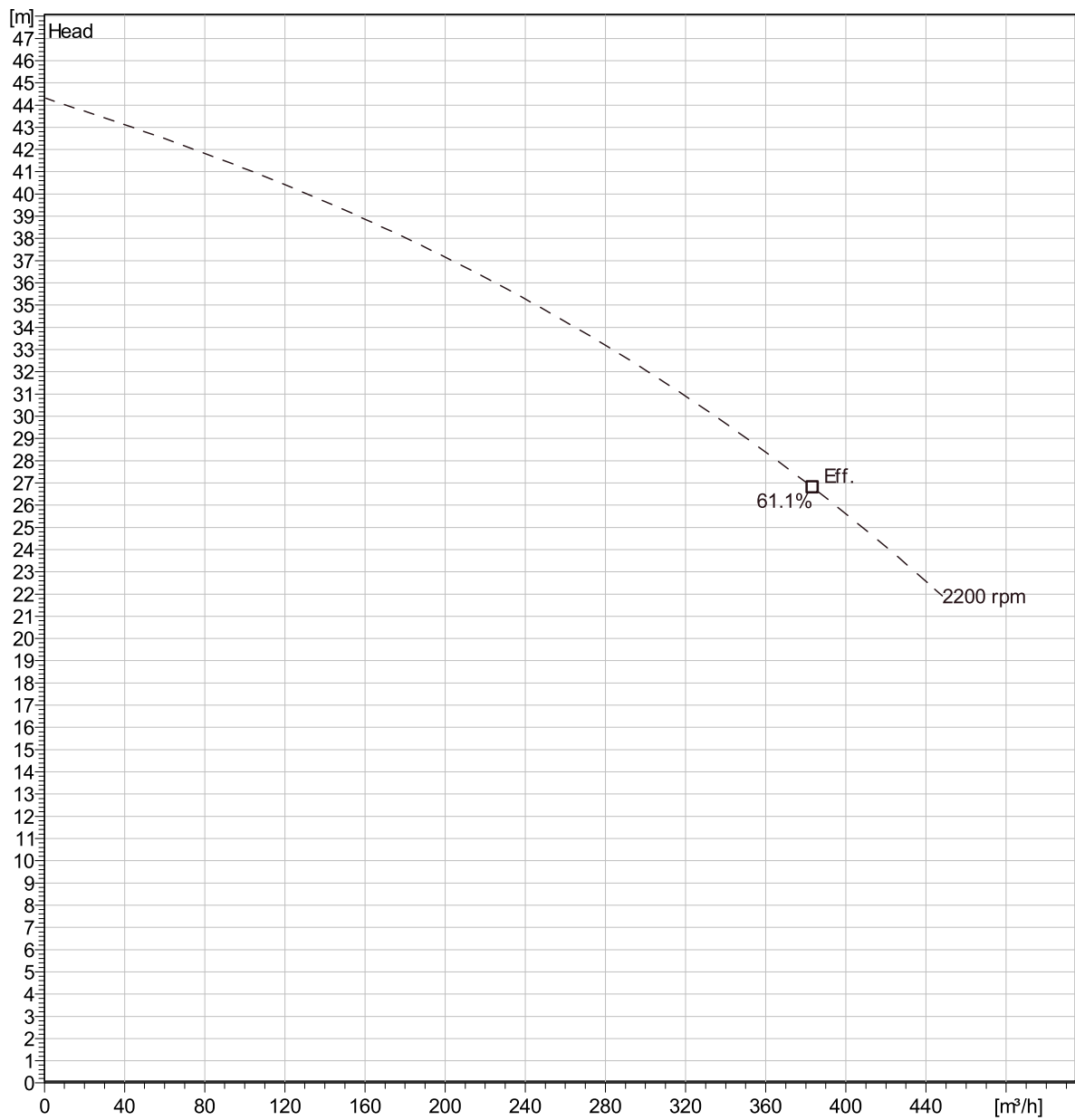
Project
Block

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Duty Analysis

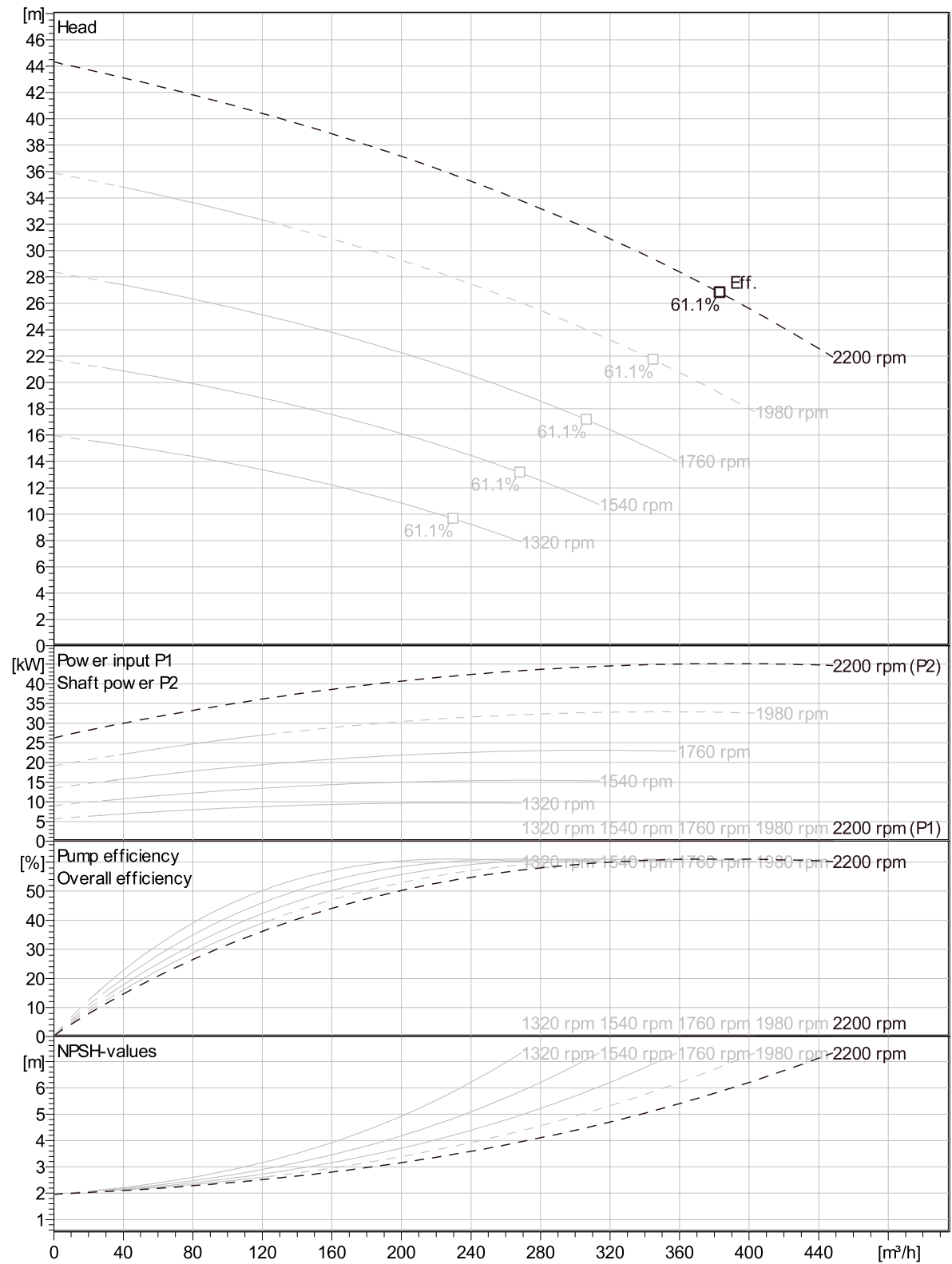


Operating characteristics

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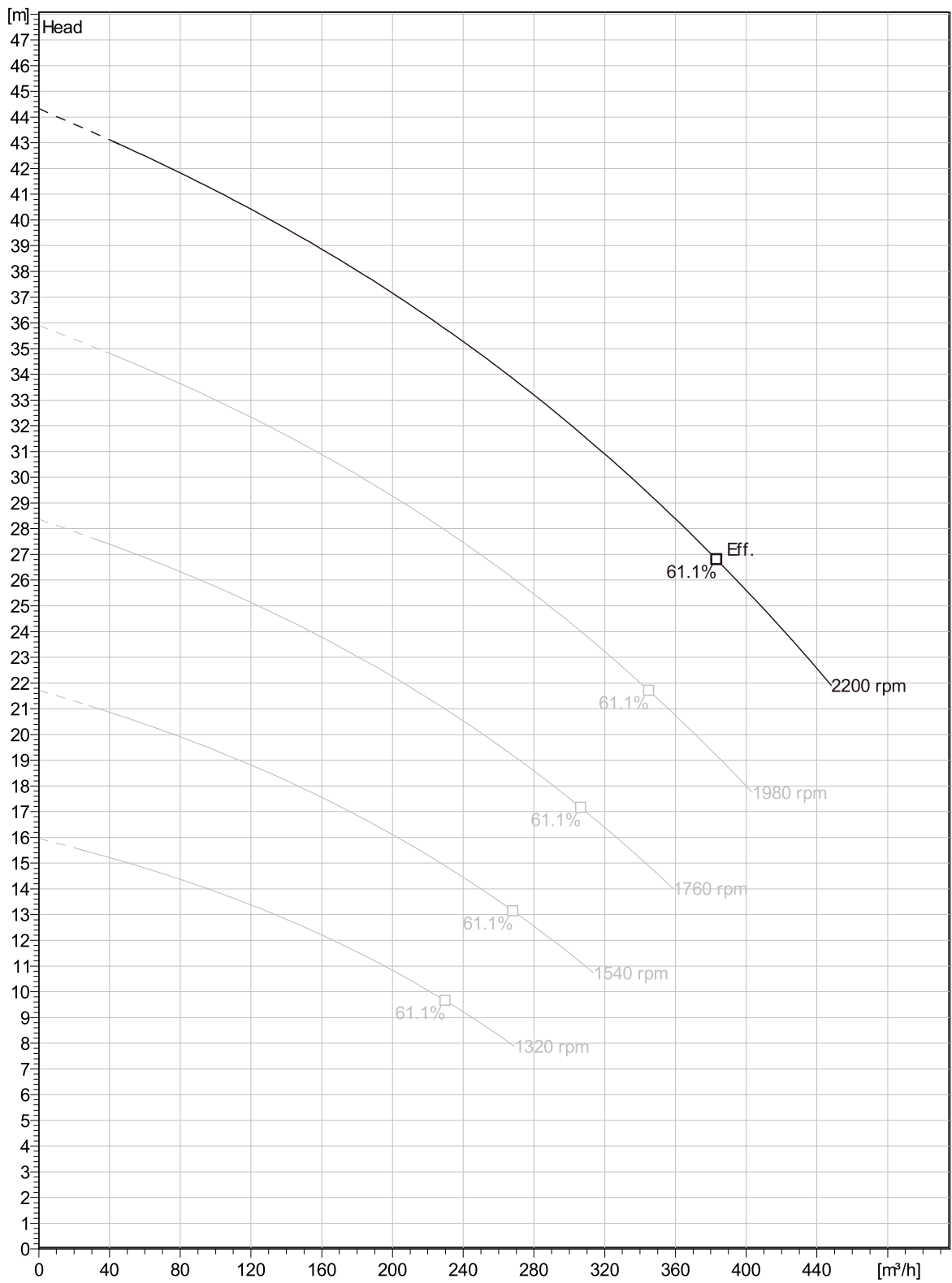
VSD Curve



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VSD Analysis



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