Pump Data Sheet - Cornell

Company: DXB Pump & Power

Name: Engineering Date: 07/01/2019

High flow pumpset w550/30SAP JCB 65kw Stage 3b engine Maximum pumpspeed 1650rpm

Suction:

Discharge: ---

Dimensions:





Pump:

Dia:

Size: 8NNW
Type: Cutter
Synch Speed: Adjustate

Adjustable 356 mm

Curve: 8NNWVA

Fluid:

Name: Water

SG: 1 Vapor Pressure: 0.0177 bar a
Density: 999 kg/m³ Atm Pressure: 1.01 bar a

Viscosity: 1.1 cP Temperature: 15.6 °C

Pump Limits:

Temperature: --- Sphere Size: 85.9 mm

Wkg Pressure: ---

Motor:

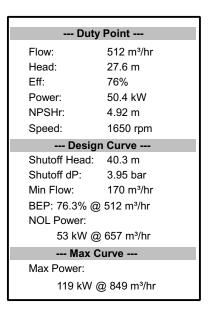
Consult Cornell to select a motor for this pump.

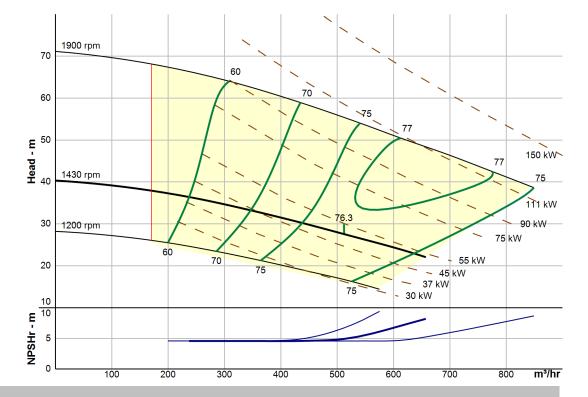
Search Criteria:

Flow: --- Near Miss: --- Head: --- Static Head: 0 m

Pump Selection Warnings:

None





Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
m³/hr	rpm	m	%	kW	m
631	1430	23.2	75	52.9	7.55
526	1430	27.1	76	50.6	5.23
421	1430	30.8	74	47.4	4.59
316	1430	34.1	67	43.2	4.58
210	1430	36.9	58	37.8	4.58



DXB PUMP & POWER w500/25SAP high flow sound attenuated pumpset is designed to operate in noise and emission sensitive environments such as EU countries where legislation dictates that only equipment with the cleanest engines and smallest carbon footprint my work.

The DXB Pump & Power w500/25SAP comes exclusively with the Cornell Warrior impeller design with anti-ragging technology for use in the most challenging sewage bypass projects where foreign matter and "rag" is contained within the liquid.

All DXB Pump & Power pumpsets come with a Cornell Redi-prime pump complete with 50cfm priming system and patented Cycloseal run dry mechanical seal design