

Company:
Name:
Date: 11/30/2010

Pump:

Size: 250x200-400
Type: ISOspec CF Series
Synch speed: Adjustable
Curve: 1000-1800rpm
Specific Speeds:
Dimensions:
Speed: 1750 rpm
Dia: 438 mm
Impeller:
nq: ---
S: ---
Suction: 250 mm
Discharge: 200 mm

Search Criteria:

Flow: 250 l/s Head: -1.#IND m

Fluid:

Water
SG: 1
Viscosity: 1.104 cP
NPSHa: ---
Temperature: 15.6 °C
Vapor pressure: 1.773 kPa a
Atm pressure: 101.4 kPa a

Motor:

Standard: IEC ---
Enclosure: TEFC ---
Speed: ---
Frame: ---
Sizing criteria: Max Power on Design Curve

Pump Limits:

Temperature: 100 °C
Pressure: 1600 kPa g
Sphere size: ---
Power: ---
Eye area: ---

---- Data Point ----

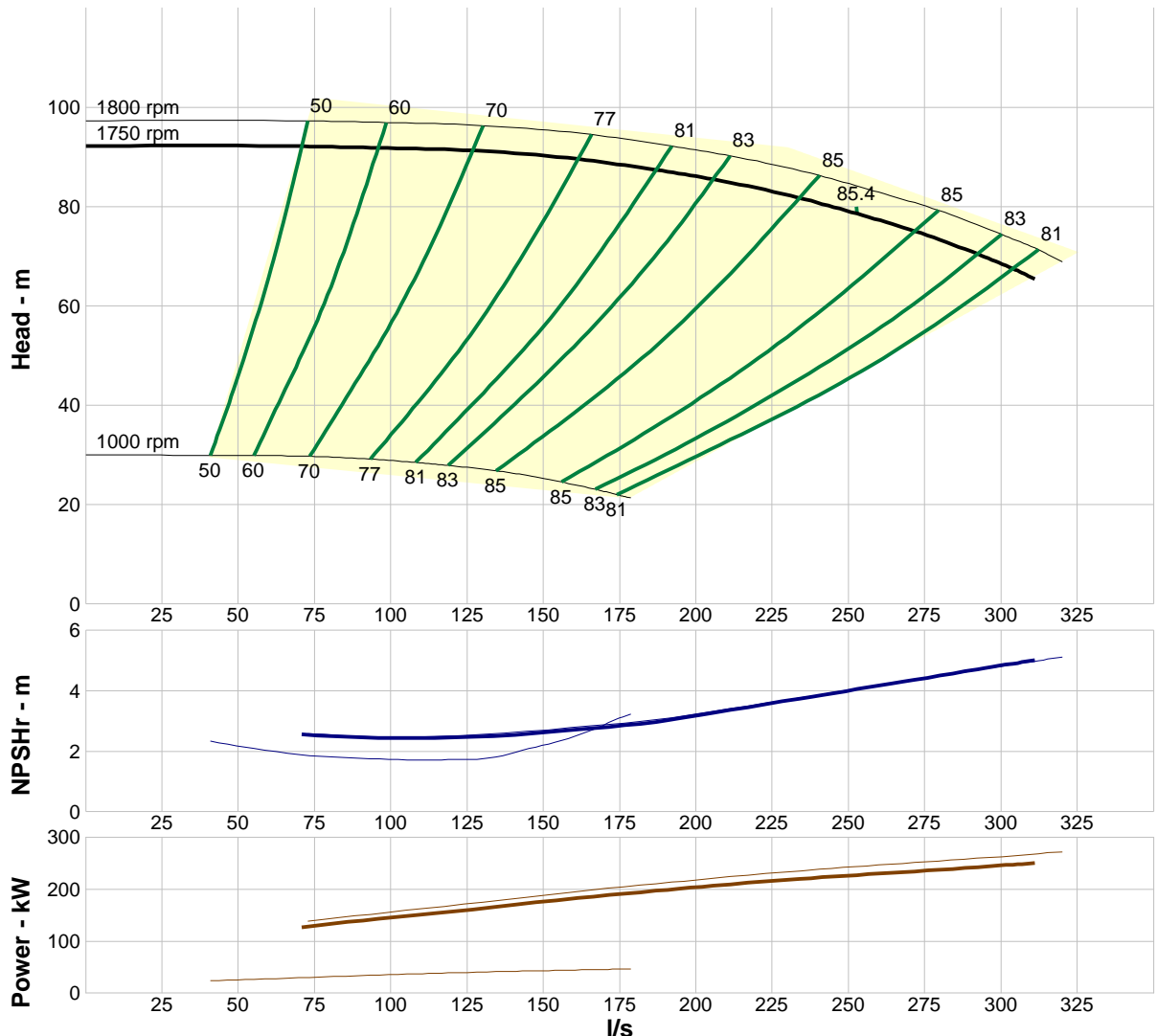
Flow: 250 l/s
Head: 79 m
Eff: 85%
Power: 227 kW
NPSHr: 4.01 m

---- Design Curve ----

Shutoff head: 92.1 m
Shutoff dP: 901 kPa
Min flow: ---
BEP: 85% @ 253 l/s
NOL power: 251 kW @ 311 l/s

-- Max Curve --

Max power: 272 kW @ 320 l/s



Performance Evaluation:

Flow l/s	Speed rpm	Head m	Efficiency %	Power kW	NPSHr m
300	1750	68.5	82	246	4.84
250	1750	79	85	227	4.01
200	1750	86	82	204	3.19
150	1750	90.1	75	176	2.64
100	1750	91.7	61	146	2.45