Base Load Power Hub (BLPH)

PUMP PERFORMANCE CURVES
For Sea Water Lift Progressive Cavity Pumps (P-50001 A/B)

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03	01/10/2024	Accepted for Construction (AFC)	APD	GLL	AHN
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Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	Issue for Review (IFR)
01	Accepted for Construction (AFC)
02	Accepted for Construction (AFC)
03	Accepted for Construction (AFC)

HOLDS LIST

No.	Description
1	
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pump selector

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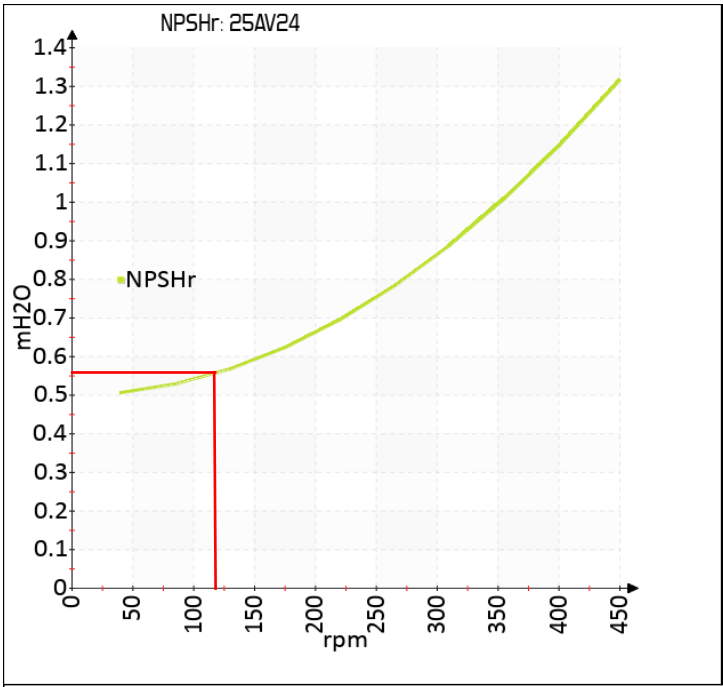
Date: 10/06/2024
PCM pump selector V3.11.7

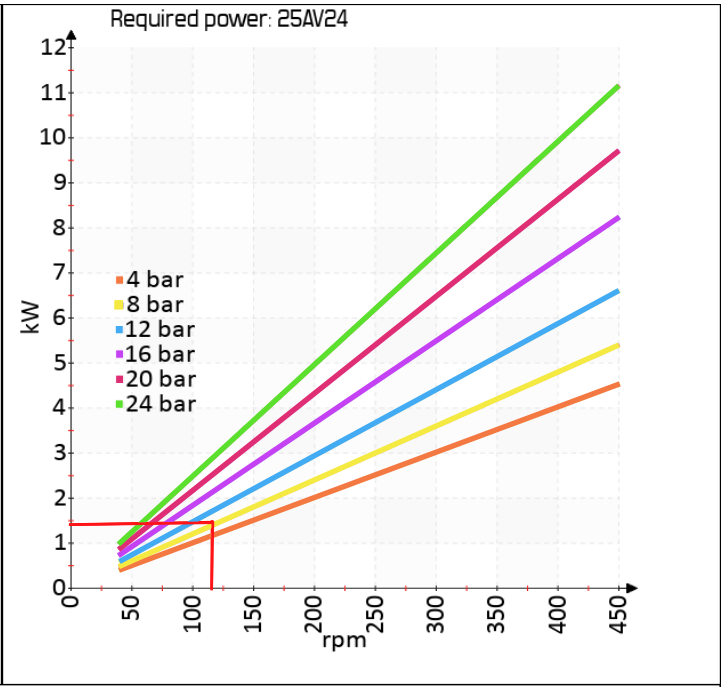
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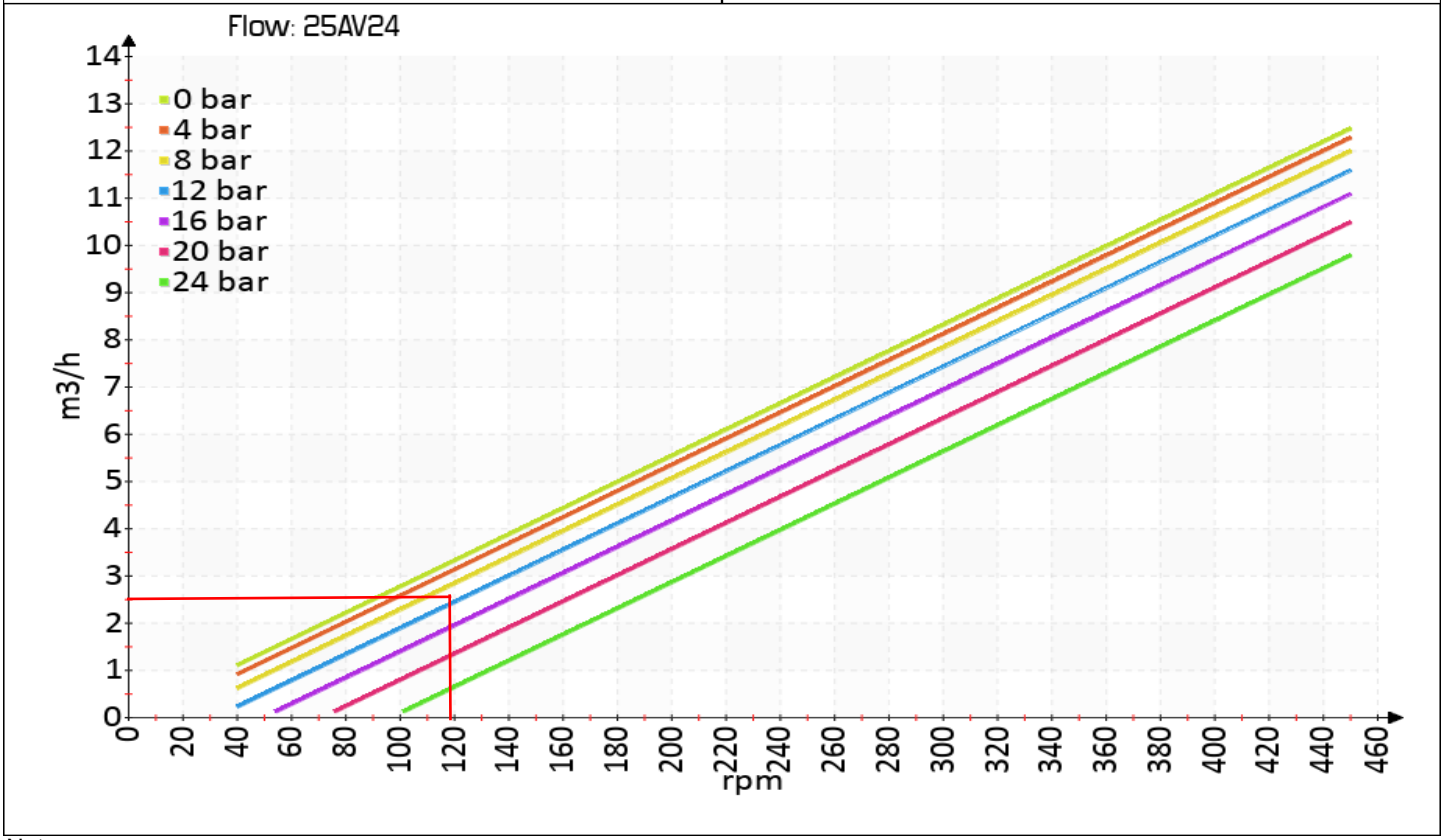
Max rpm (rpm): 450
Pump rpm (rpm): 118
Viscosity (cPo): 0.9

Starting torque (N.m): 250
Max pressure (bar): 24
Pump Discharge Pressure: 5.3barg
Pump Hydraulic Differential Pressure: 8.28bar

Fluid: Sea Water
PSV Set : 7.6 barg
Absorbed Power @ PSV Set : 1.55 kW







Note :
To obtain 5.3 barg at the pump discharge nozzle, the pump hydraulic must be dimensioned for 8.28bar differential pressure considering the hydrostatic pressure produced by the height of the pump.
Same reasoning apply to the PSV set pressure. The pump hydraulic must be dimensioned for a differential pressure equal to 10.58 bar.

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