

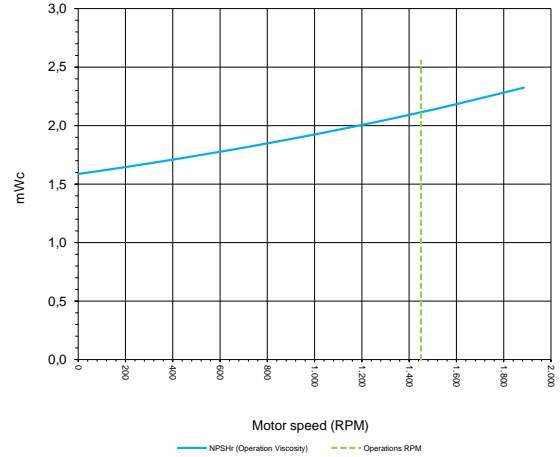
Pump: GR32 SMT16B /SMAT16B 75L			
Pump data			
Screw size	32 mm		
Screw step	64 mm		
Motor speed	1.450 RPM		
Application data			
Pressure	5 bar	73 PSI	0,5 Mpa
Viscosity	Minimum (A)	Operations	Maximum (B)
	10 mm ² /s	15 mm ² /s	25 mm ² /s
	46 SSU	70 SSU	116 SSU
Performances			
Flow	38,1 L/min	38,2 L/min	38,4 L/min
	10,1 GPM	10,1 GPM	10,2 GPM
	2,3 m ³ /h	2,3 m ³ /h	2,3 m ³ /h
Power	0,50 KW	0,52 KW	0,56 KW
	0,7 HP	0,7 HP	0,8 HP
Oil speed	1,5 m/sec	1,5 m/sec	1,5 m/sec
NPSH	2,1 mWS	2,1 mWS	2,2 mWS
Motor	80 Frame	80 Frame	80 Frame
Suggested	0,75 KW	0,75 KW	0,75 KW
Shaft torque	3,28 Nm	3,44 Nm	3,69 Nm

NOTES:

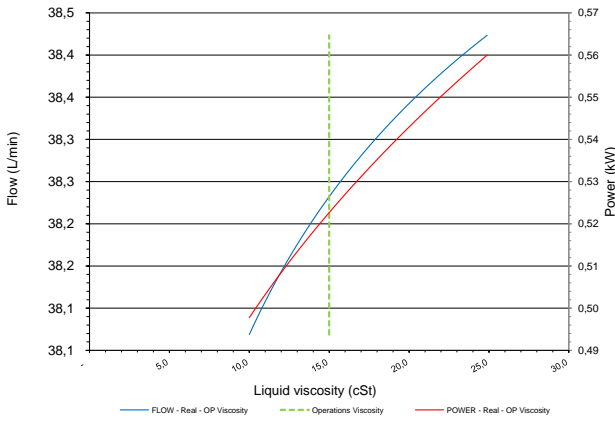
- 1) for RPM < 800 or RPM > 3.000, please contact Settima
- 2) for Viscosity < 10 or Viscosity > 1.000, please contact Settima
- (**) special model - longer delivery times

Settima Meccanica s.r.l. - Via Gabriele Rossetti, 1 - 29016 Cortemaggiore (PC) - Italy
 TEL: +39 0523 3650 - info@settima.it

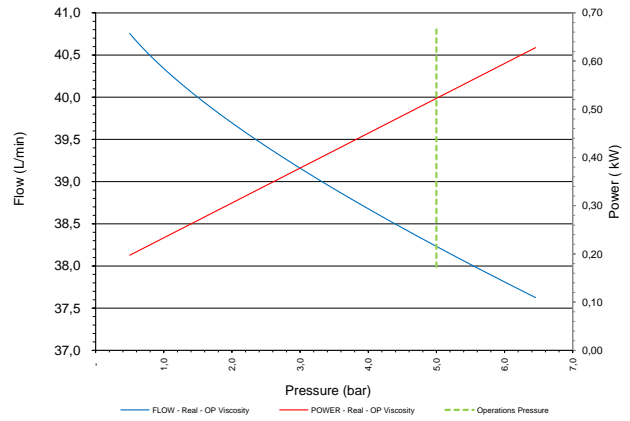
A) - NPSHr required by pump



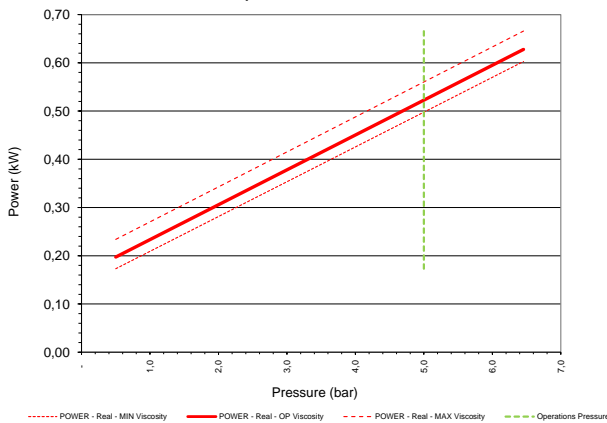
B) - Flow / Viscosity - Power / Viscosity



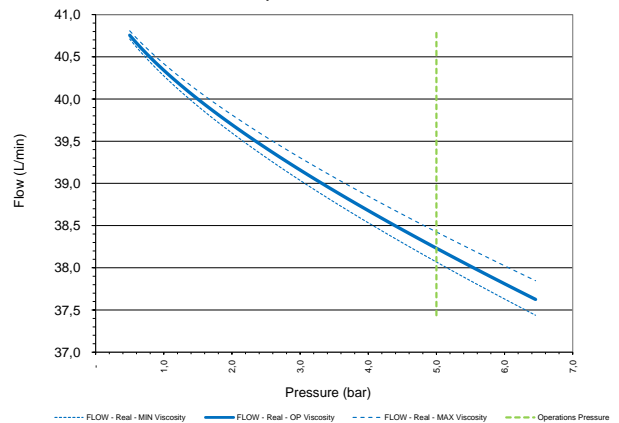
C) - Flow / Pressure - Power / Pressure



D) - Power / Pressure



E) - Flow / Pressure



Curve explanations:

- A) NPSH - this is the NPSH required by the pump. You have to check what is the NPSH available from your application
- B) Flow & Power at viscosity variations: the green line is the viscosity at operations as required by you
- C) Flow & Power at pressure variations: the green line is the pressure at operations as required by you
- D) Power at pressure variations calculated at min, max and operations viscosity: the green line is the pressure at operations as required by you
- E) Flow at pressure variations calculated at min, max and operations viscosity: the green line is the pressure at operations as required by you

Notes:

- 1) Flow informations are valid only for SMT16B, Flow information are not valid for SMT16B S1, S2, S3, S4
- 2) Flow informations for viscosity below 10cSt has to be checked also in experimental ways (there are differences between fluid types)