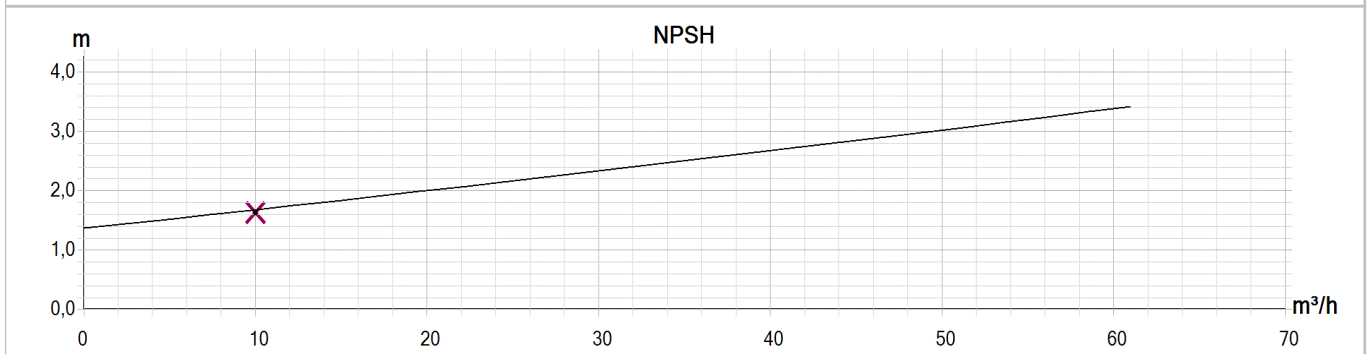
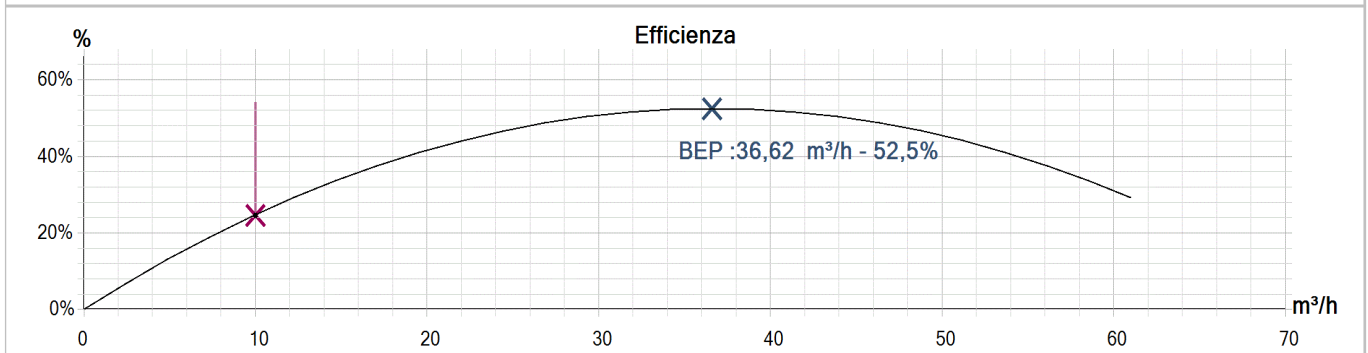
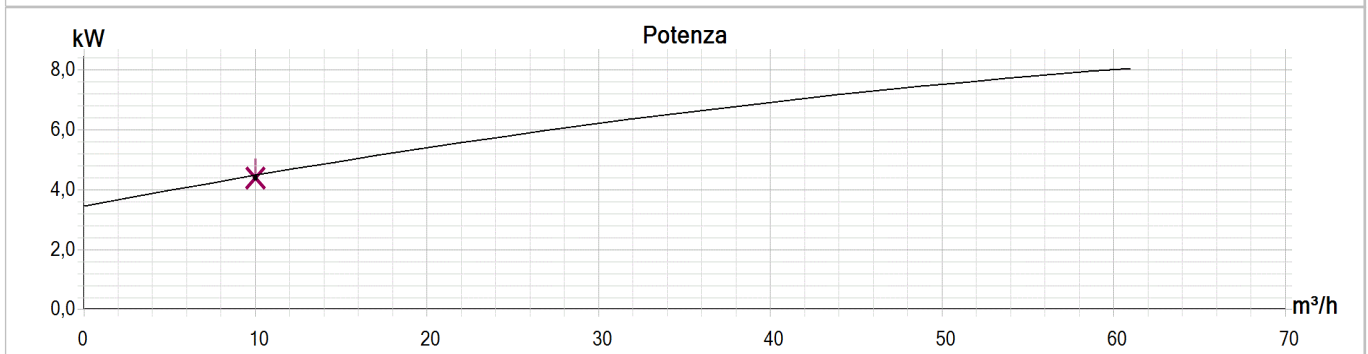
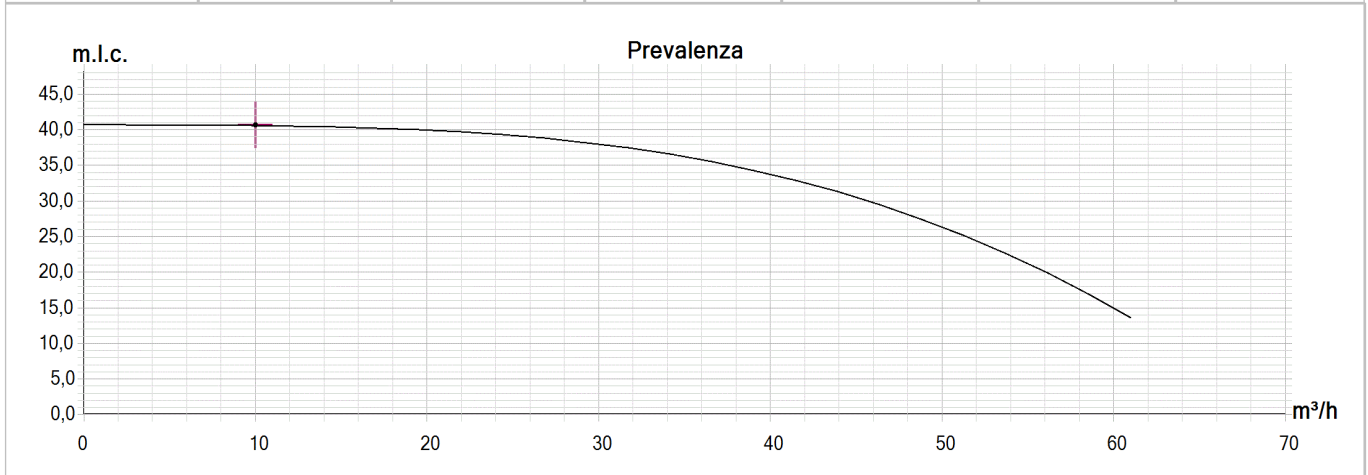


Pump Model:	MMB-L 40-160	Test Record no:	
Standard:	No	Date of Test:	
Customer:		Motor Manufacturer:	Primary Brand
Offer No.:		Project no:	
Date of Offer:		Type of Impeller:	Closed Impeller
Item:	1	Speed of Rotation:	2950




MAGNETIC PUMP KW 7,5 MMB-L 40/160 PP FPM

Flow	TDH	Abs.Power	Inst.Power	Eff.	NPSHr	Impeller Diameter
10,00 m³/h	40,68 m.l.c.	4,40 Kw	7,50 Kw	24,7%	1,64 m.l.c.	170 mm



Head and power ratings apply to media with a density of $\rho = 1 \text{ kg/dm}^3$ at 18 °C and a kinetic viscosity of 1 mm²/s. Tolerances on performances are according to ISO 9906 - 2012 level 2B: Q m³/h $\pm 8\%$ - Ht m $\pm 5\%$. Tolerances on performances for input power less than 10 kW: Q m³/h $\pm 10\%$ - Ht m $\pm 8\%$. Tolerances on efficiency, input power and NPSHr are optional. Any deviation should be specified on the inquiry. The acceptance grade tolerance applies to guarantee point only.

AFFETTI PUMPS s.r.l. - Via P. Maroncelli, 4 - 21053 Castellanza (VA) - ITALY - Tel. +39.331.505595/503358

		Datasheet PUMP ITEM 1		 YOUR SOLUTIONS	
01	Datasheet: /	Date:	Customer Ref.:		
02	Customer:	Our Ref.:	Series: MMB-L		
03	Type: Horizontal	Item: 1	Qty: 1		
04	Serial n.: /	Weight: 21,00 Kg	Base Weight: 2,00 Kg		
05	Weight: / Kg	Weight: 55,00 Kg	Size: 40-160		
SITE/ ENVIRONMENT					
06	Installation: /	Ambient Temp.: 25,00 °C	Altitude: / m		
07	Hazardous Area: Safe Zone	Temp. Min/Max: 5,00/35,00 °C			
LIQUID					
08	Liquid: Hydrochloric acid	Density: 1,15 Kg/m³	Temp. Min/Max: 10,00/40,00 °C		
09	Conc.: 32%	Viscosity: 1,00 mm²/s	Solids: Not pres.		
10	Solid: /	Solid Size: / mm	Operating Temp.: 25,00		
OPERATING CONDITIONS					
11	Flow: 10,00 m³/h	Total Head: 40,68 m.l.c.	NPSHa: / m.l.c.		
12	NPSHr: 1,64 m.l.c.	Eff.Q: 24,7%	Rotation: CW - Clockwise - Viewed from Driver to Pump		
13	Flow Min.: 7,32 m³/h	Flow Max: 60,92 m³/h	Tot Head Min: 13,54 m.l.c.		
14	Tot.Head Max: 41,44 m.l.c.	Absorbed Power: 4,40 Kw	Installed Power: 7,50 Kw		
15	RPM: 2950	Operation Mode: 8 hours	Starting Hour: 1		
16	PMax at Rated Impeller: 7,88 Kw				
CONSTRUCTION FEATURES					
17	Support Lubrication: /	Column Length: / mm	Type: /		
18	Min.Diam.: 140,00 mm	Type: Closed Impeller	Rated Impeller: 170 mm		
19	Max.Diam.: 170,00 mm	Mark: /			
MECHANICAL SEAL					
20	Type: /	Description:	Mark: /		
21	Diameter: /	Type: /	Flux Q.: /		
22	Flux Press. (bar): /	Static Ring: /	Spring: /		
23	ORings: /	Rotating Rings: /	Bellows: /		
24	Gaskets: /	Hydro Test Press. w/Mec.Seal: /	Stuffing Box: /		
MOTOR					
25	Type: Electric	Maker: Primary Brand	kW: 7,5		
26	RPM: 2950	Volts: 400/690	Frequency: 50Hz		
27	Frame: 132	IP: 55	Isolation Class: F+B		
28	Mount Arrangement: B3B5	Standard: IEC	Efficiency Class: IE3		
CONNECTIONS					
29	Type: Flange ISO	Suction DN 65 Type:	Conn.Delivery: DN 40		
30	PN: 16	Norme: DIN EN 1092			
MATERIALS					
31	Casing: PP	Impeller: PP	Magnets: Nd-Fe-B		
32	O-Ring: FPM	Shaft Sleeve: /	Frame Adaptor: Aluminum		
33	Static Bush: SiC	Rotating Bush: PTFE CG	Base: SS 316		
34	Coupling Guard: /	Coupling: /			
PAINTING SPECIFICATION					
35	Type: EPOXY-POLYURETANIC	Total Thickness: 140 um	Pump: VIOLET RAL 4004		
36	Motor: VIOLET RAL 4004	Coupling Guard: /	Base Plate: VIOLET RAL 4004		
OPTIONALS, CERTIFICATES AND TESTS					
37	Guarantee Months: 6/12	Certificate of Conformity: 2006/42/EC	Certificates: /		
38	Optionals: /				
39	Notes: /				