

MAGSON MPT

Magnetic coupled turbine pump made of PP / PVDF



MPT regenerative turbine pumps avoid oversized centrifugals with excessive by-pass and power requirements. Exotic alloy gear pumps designs, often result in rapid corrosion and wear, leading to costly replacements.

MPT non-metallic turbine designs have excellent chemical resistance and extremely low wearing characteristics. Variation in head have minimal effect on the flow of a turbine pump. Also, turbine pumps can be throttled to a required duty point without by-passing. Smart design for low maintenance costs.



- Exclusive solid machined casing made of PP or PVDF.
- Oversized, high purity ceramic shaft, Silicon Carbide option.
- Self-balancing impeller eliminates thrust bearing wear.
- Handles up to 20% entrained gas.
- Separate impeller minimizes maintenance costs.

Features

- Single stage
- Low flow, high head
- Standard PN 10
- Gas transport possible
- Metal free construction

Materials

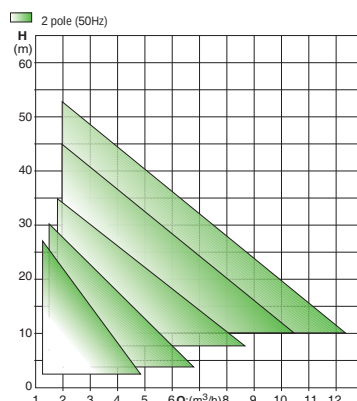
- Solid block machined
 - o PP
 - o PVDF

Applications

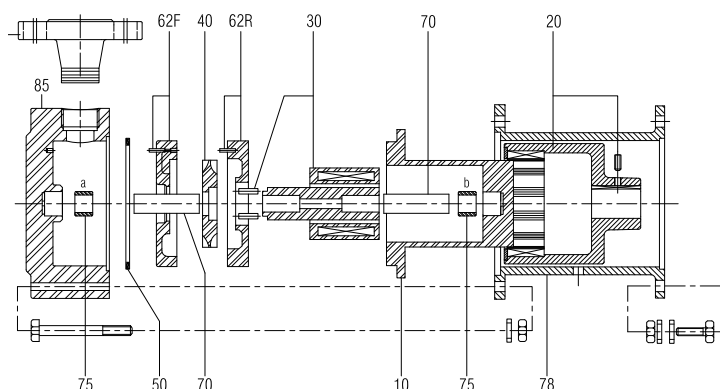
- Electroplating
- Galvanic systems
- Laboratories
- Filter
- Water treatment (Chlorine dioxide)
- Transfer of strong acids

<<< Explosion proof models according to ATEX directive are also available >>>

Connection	3/4" bis 1 1/2"
Fischarge	
Poles	2
Flow rate [m ³ /h]	bis zu 13
Delivery height [m]	bis zu 55
Max. allowable pressure [bar]	10
Max. allowable temperature [°C]	100

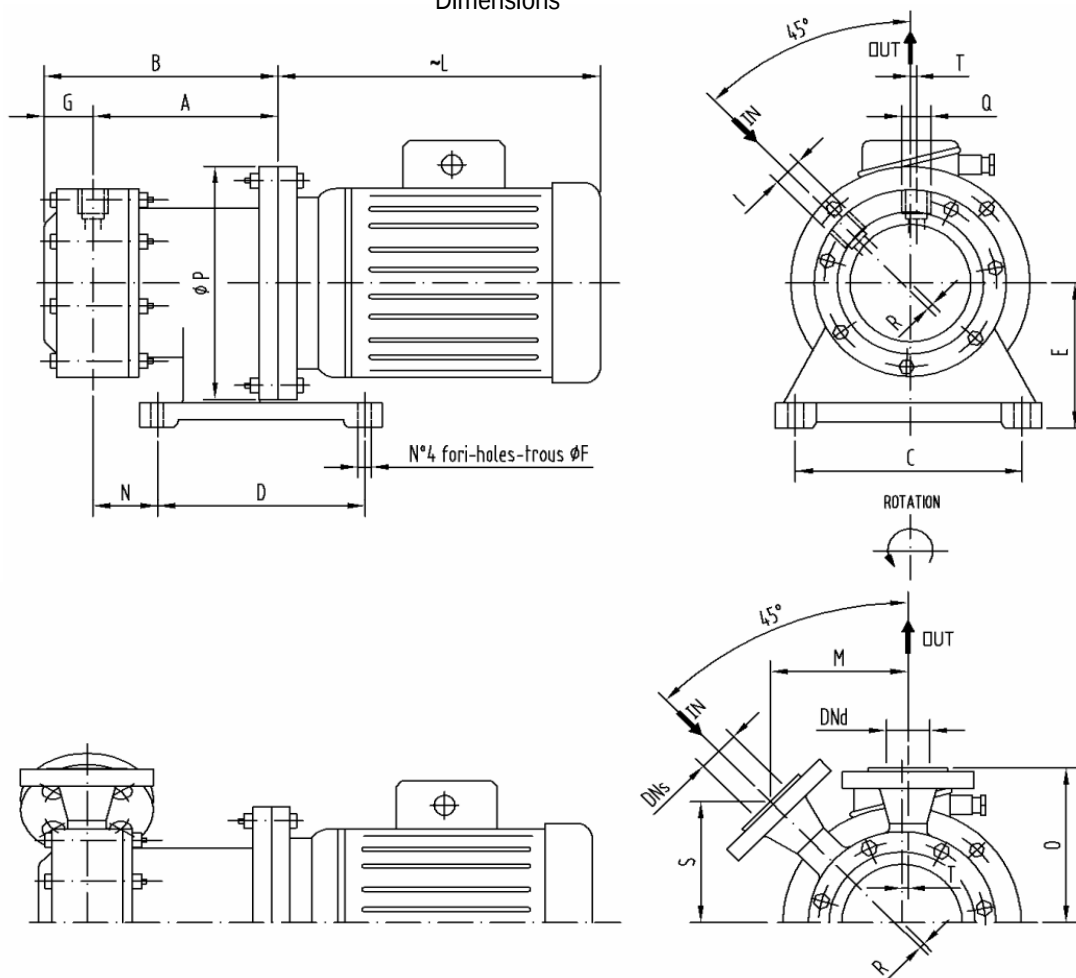


Sectional Drawing

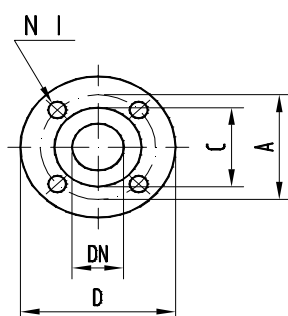


Pos	Discription	Material
10	Rear Casing	PP or PVDF
20	Outre magnet	Neodym / Steel
30	Inner magnet	PP or PVDF / Neodym
40	Impeller	PVDF
50	O-Ring	EPDM or FKM
62F	Front casing	PP or PVDF
62R	Rear Casing	
70	Shaft	Ceramics
75	Bearing	PTFEC
78	Bracket	PP or PVDF
85	Casing	PP or PVDF

Dimensions



$\sim L$: depending on motor manufacturer



Flange connection

DN	UNI PN 10		
	A	F	G
20	75	4	16
25	85	4	16
32	100	4	18

DN	UNI PN 10		
	A	F	G
3/4"	69,8	4	16
1"	79,4	4	16
1 1/4"	98,4	4	18

BG	DN _s / I		DN _d / I		Dimensions														
	mm (inch)	Gas	mm (inch)	Gas	A	B	C	D	E	F	G	L	M	N	O	P	R	S	T
2 x 5	20 (¾")	¾"	20 (¾")	¾"	144	182	140	160	117	7	38	210	100	20	111	160	4	90	4
2,5 x 6	25 (1")	1"	25 (1")	1"	144	182	140	160	117	7	38	210	111	20	117	160	4	101	4
2,5 x 6,5					157	197	140	160	126	9	40	230	112	31	127	200	3	104	3
2,5 x 7					157	197	140	160	126	9	40	230	112	31	127	200	3	104	3
2,5 x 7,5					191	237	155	193	136	12	46	270	117	73	142	200	5	106	5
2,5 x 8					191	237	155	193	136	12	46	270	117	73	142	200	5	106	5
3 x 9	32 (1 ½")	1 ¼"	32 (1 ½")	1 ¼"	223	275	220	250	175	14	52	340	140	65	166	250	7	123	7
3 x 10					245	296	250	290	200	16	51	402	149	71	179	300	7	132	7

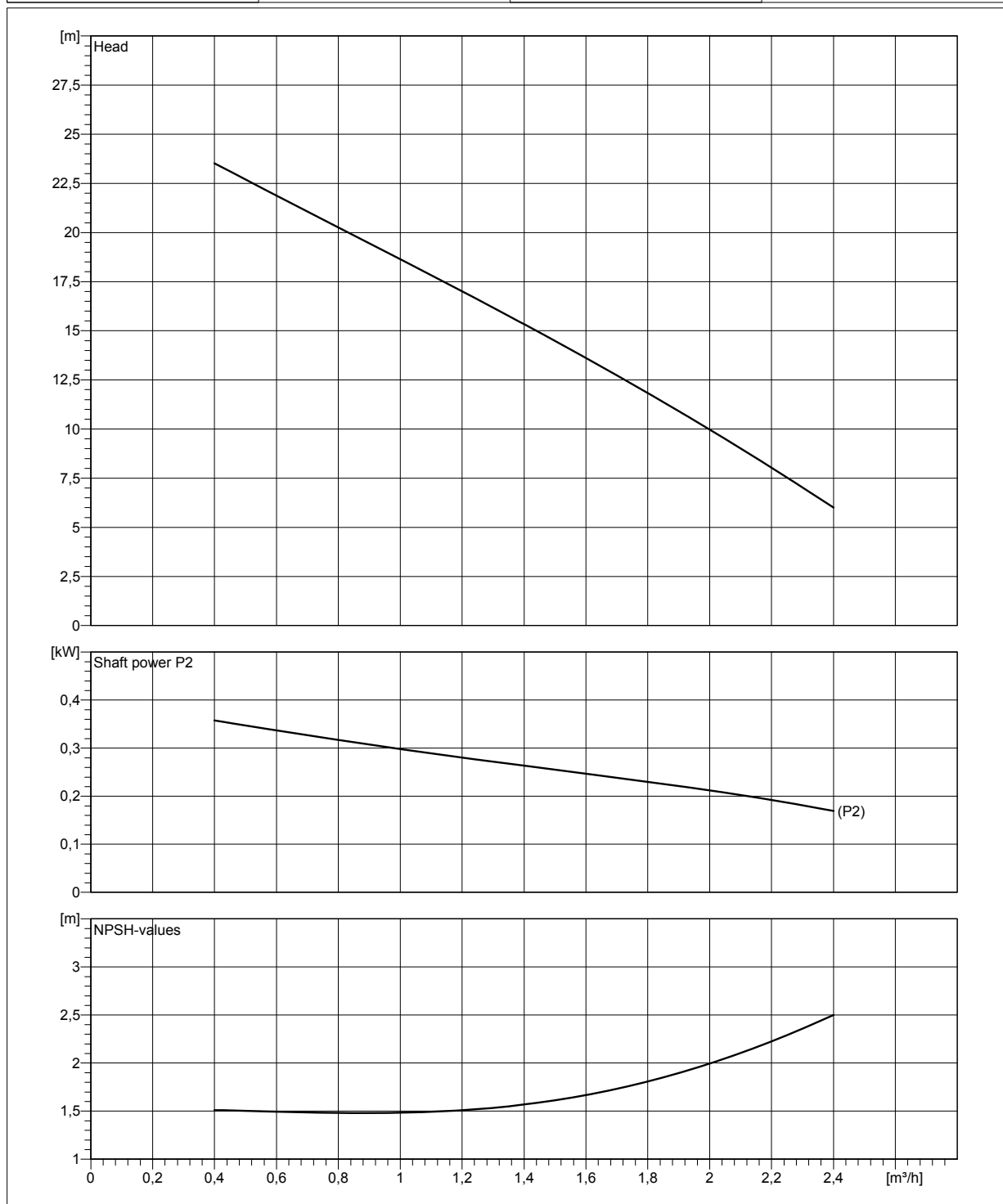
Motor IEC 50Hz	
B5	kW
71	0,55
80	1,1
90	1,5
90/100	2,2-3
112	4
132	5,5-7,5

MAGSON MPT 2 x 5

Magnetic coupled turbine pump made of PP / PVDF



Duty point				
Capacity:	m ³ /h	Differential head:	m	Absorbed power:
Motor power:	0,55 kW	Speed:	2900 1/min 50 Hz	Max. abs. power:
Fluid:				Magnetic losses:
				Selected impeller:
				Suction nozzle: DN 20 PN 10
				Discharge nozzle: DN 20 PN 10



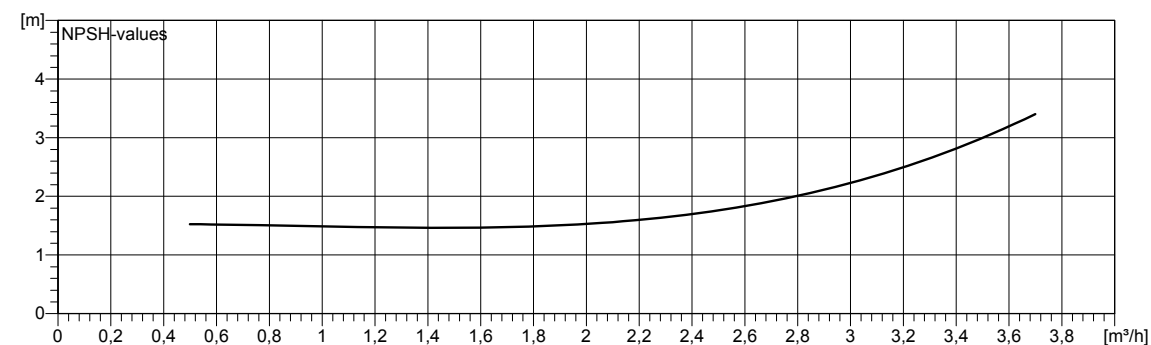
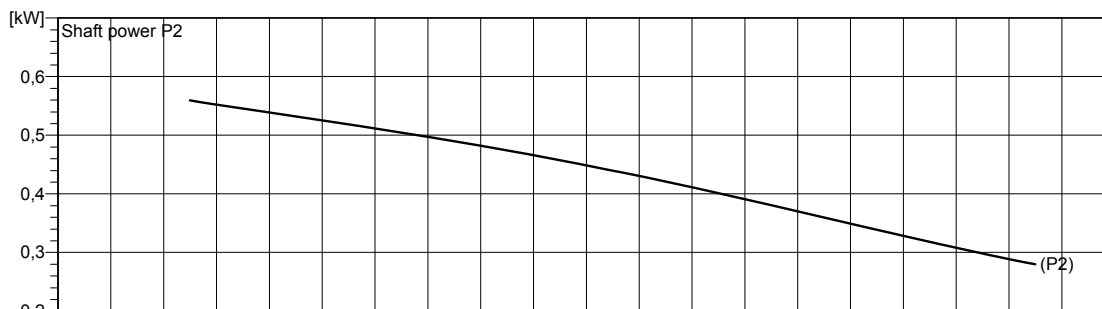
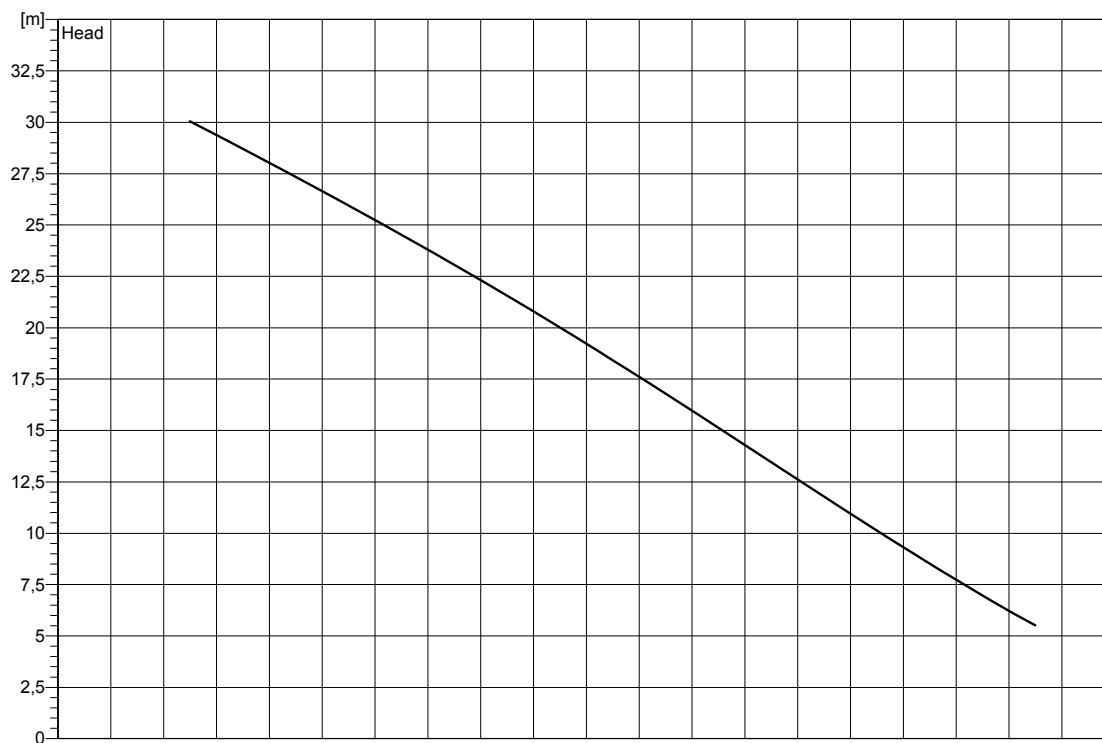
Tolerances : ISO 9906 Gr.2 (NPSH + 0.5 m)

MAGSON MPT 2,5 x 6

Magnetic coupled turbine pump made of PP / PVDF



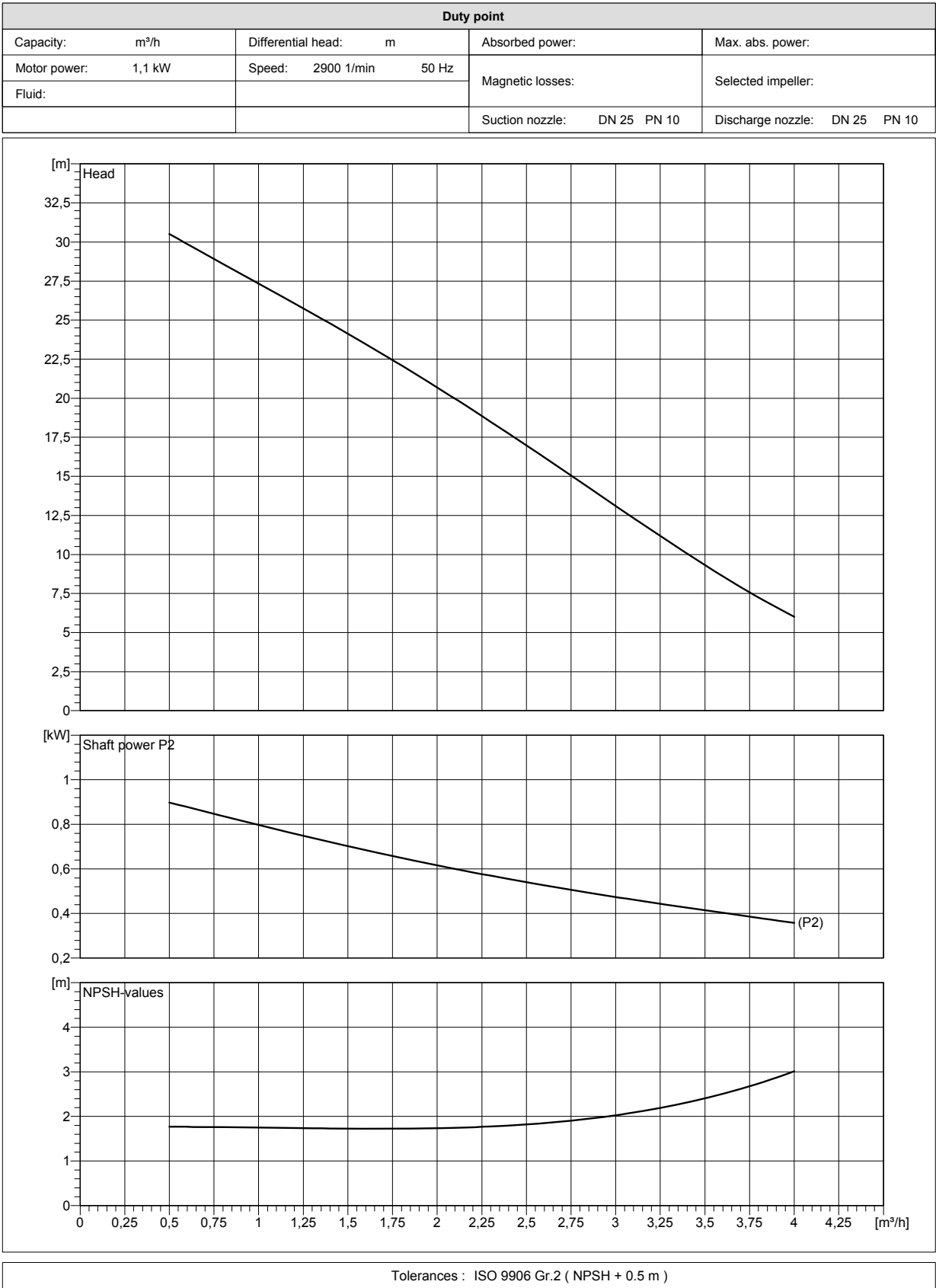
Duty point				
Capacity:	m ³ /h	Differential head:	m	Absorbed power:
Motor power:	0,55 kW	Speed:	2900 1/min 50 Hz	Max. abs. power:
Fluid:				Magnetic losses:
				Selected impeller:
			Suction nozzle: DN 25 PN 10	Discharge nozzle: DN 25 PN 10



Tolerances : ISO 9906 Gr.2 (NPSH + 0.5 m)

MAGSON MPT 2,5 x 6,5

Magnetic coupled turbine pump made of PP / PVDF

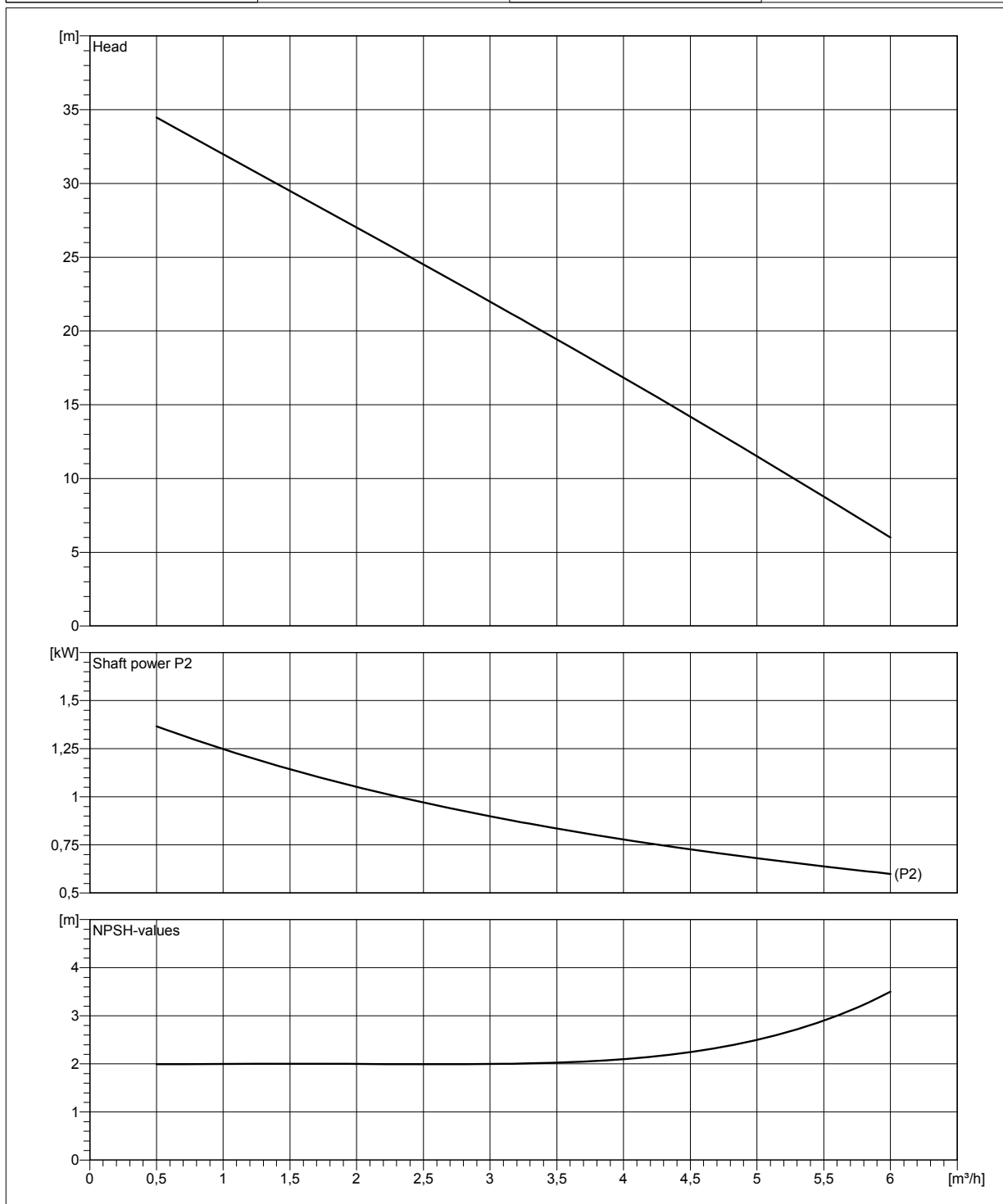


MAGSON MPT 2,5 x 7

Magnetic coupled turbine pump made of PP / PVDF



Duty point				
Capacity:	m³/h	Differential head:	m	Absorbed power:
Motor power:	1,1 kW	Speed:	2900 1/min 50 Hz	Max. abs. power:
Fluid:				Magnetic losses:
				Selected impeller:
			Suction nozzle: DN 25 PN 10	Discharge nozzle: DN 25 PN 10



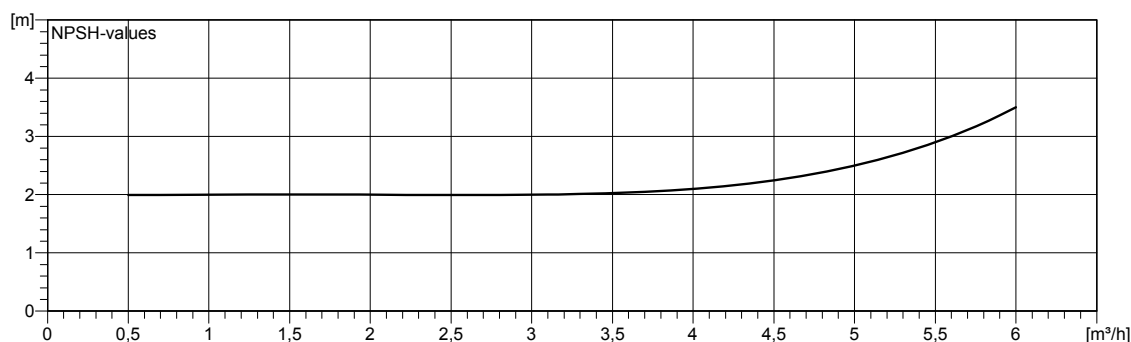
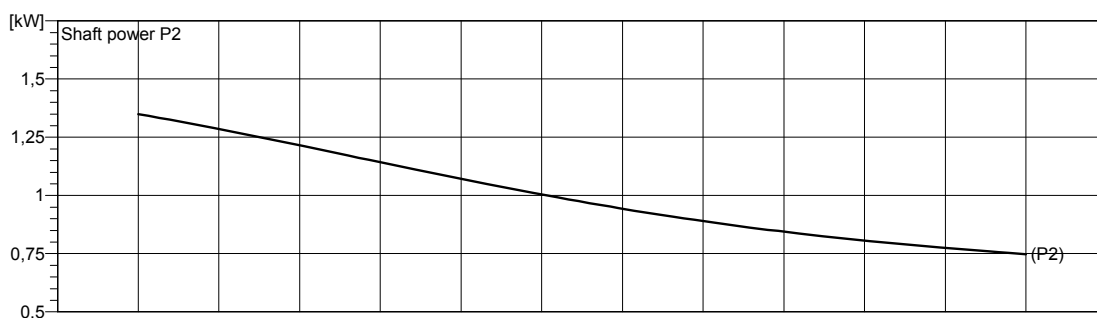
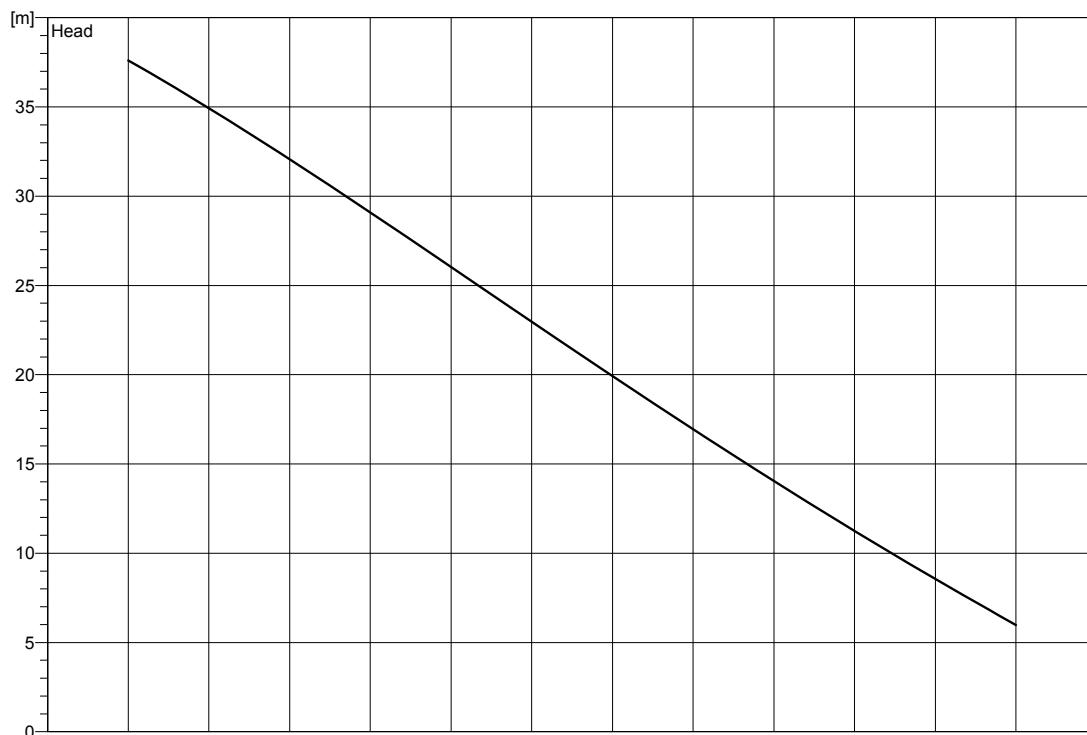
Tolerances : ISO 9906 Gr.2 (NPSH + 0.5 m)

MAGSON MPT 2,5 x 7,5

Magnetic coupled turbine pump made of PP / PVDF



Duty point			
Capacity: m³/h	Differential head: m	Absorbed power:	Max. abs. power:
Motor power: 1,5 kW	Speed: 2900 1/min 50 Hz	Magnetic losses:	Selected impeller:
Fluid:		Suction nozzle: DN 25 PN 10	Discharge nozzle: DN 25 PN 10



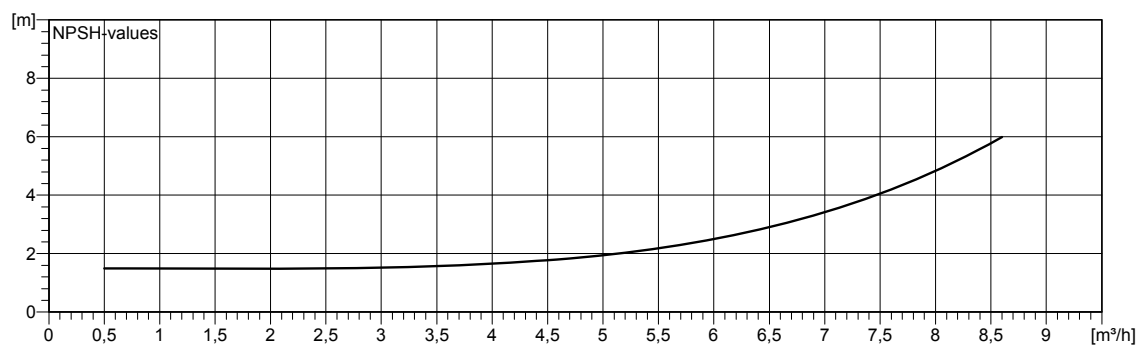
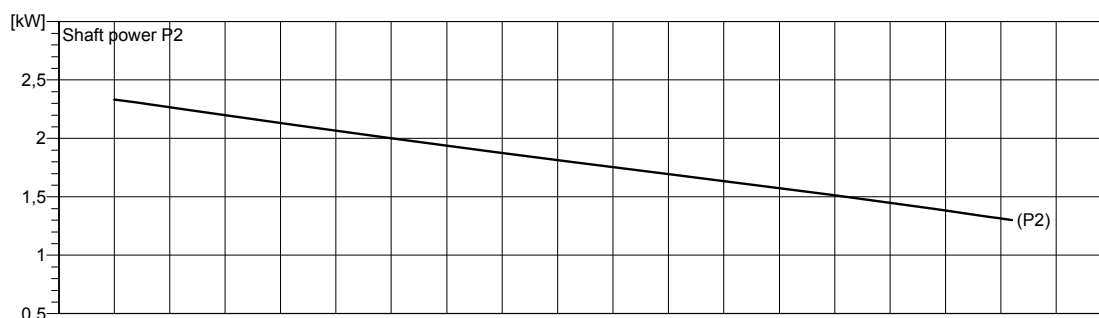
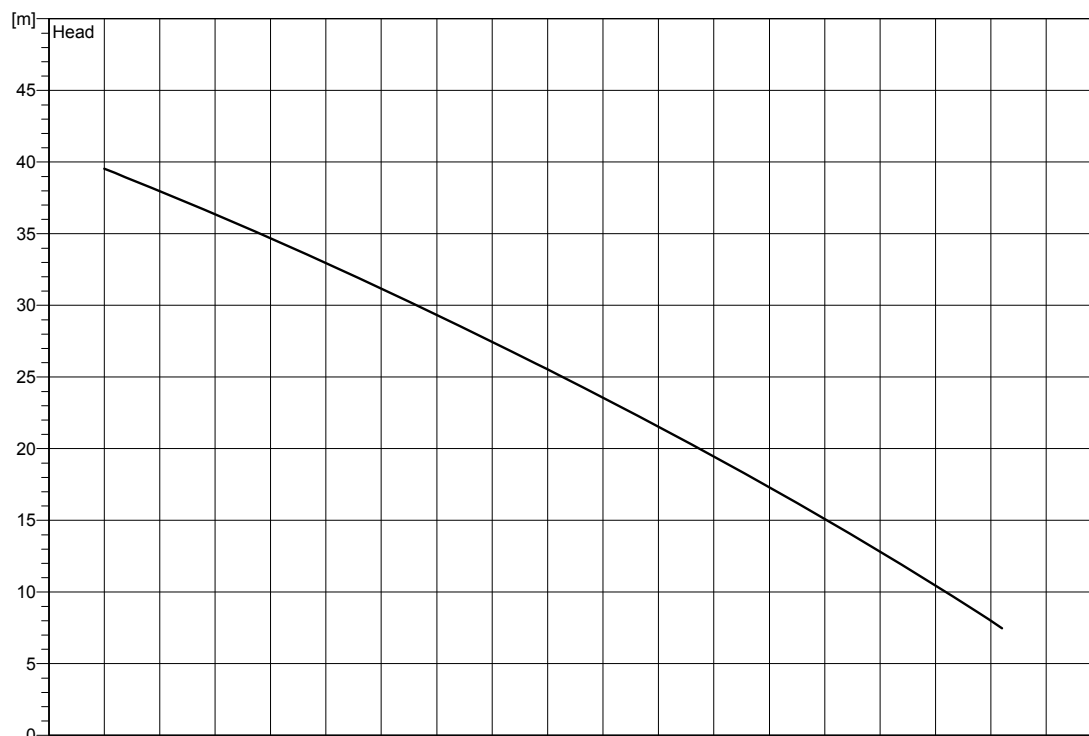
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MAGSON MPT 2,5 x 8

Magnetic coupled turbine pump made of PP / PVDF



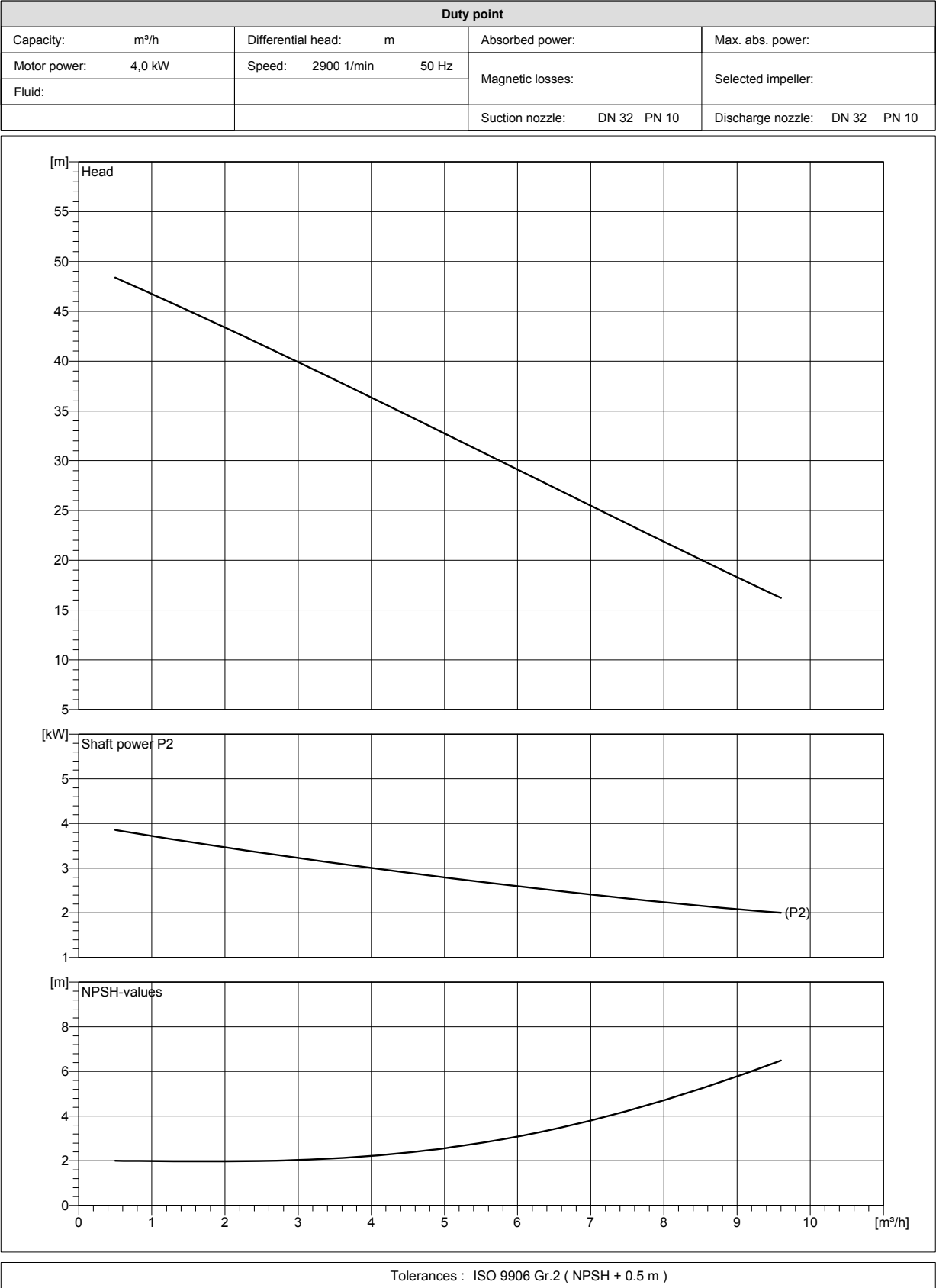
Duty point			
Capacity: m³/h	Differential head: m	Absorbed power:	Max. abs. power:
Motor power: 2,2 - 3,0 kW	Speed: 2900 1/min 50 Hz	Magnetic losses:	Selected impeller:
Fluid:		Suction nozzle: DN 25 PN 10	Discharge nozzle: DN 25 PN 10



Tolerances : ISO 9906 Gr.2 (NPSH + 0.5 m)

MAGSON MPT 3 x 9

Magnetic coupled turbine pump made of PP / PVDF

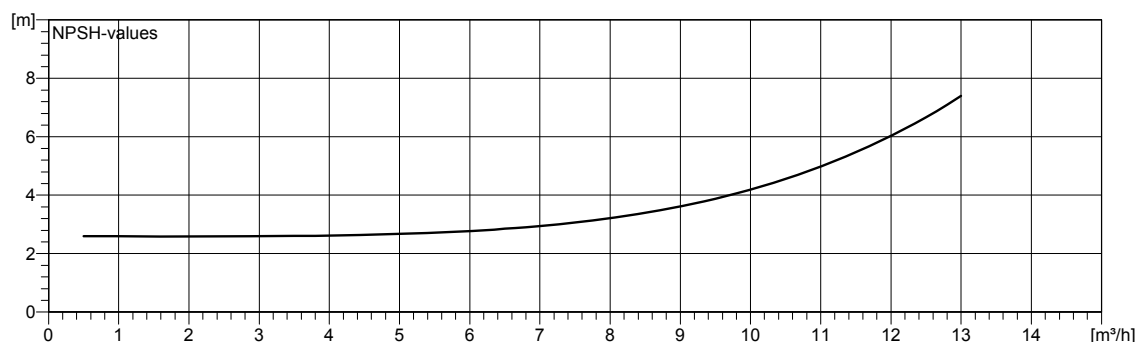
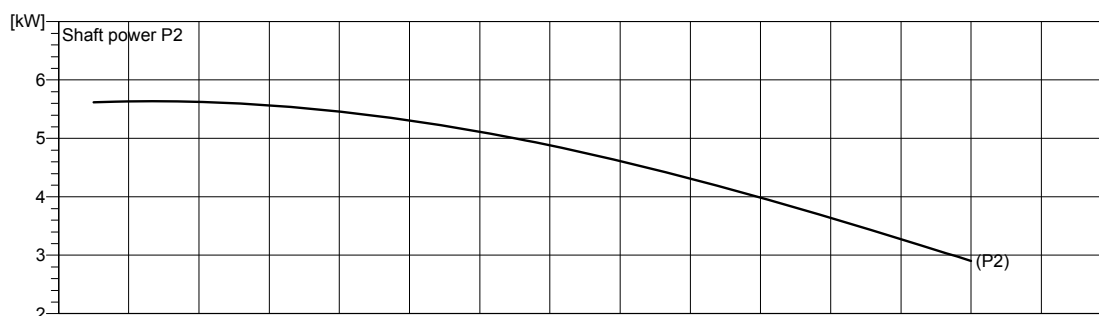
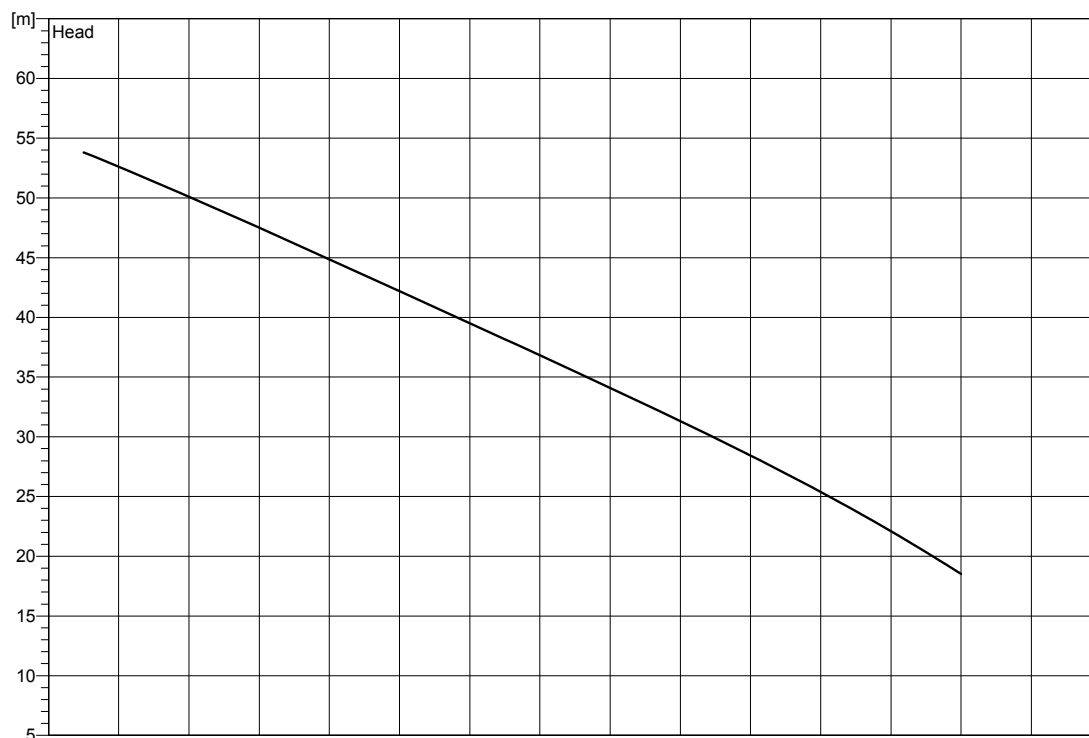


MAGSON MPT 3 x 10

Magnetic coupled turbine pump made of PP / PVDF



Duty point				
Capacity:	m³/h	Differential head:	m	Absorbed power:
Motor power:	5,5 - 7,5 kW	Speed:	2900 1/min 50 Hz	Max. abs. power:
Fluid:				Magnetic losses:
				Selected impeller:
		Suction nozzle:	DN 32 PN 10	Discharge nozzle: DN 32 PN 10



Tolerances : ISO 9906 Gr.2 (NPSH + 0.5 m)

