

MAGSON MMT

Magnetic coupled regenerative turbine pump made of stainless steel



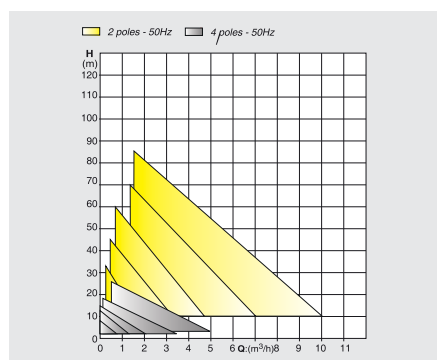
MMT regenerative turbine pumps are ideally suited for low flow / high head applications. All MMT pumps are equipped with zero leakage magnetic couplings to meet the latest toxic emissions regulations. The absence of mechanical seals or packing glands eliminates costly pump maintenance, lost production time and process contamination. MMT turbine impellers are perfectly balanced with no residual axial load added reliability in even the most adverse operating conditions.

MMT pumps are able to pump liquids containing up to 20% entrained gas, it is possible to feed two different liquids (or a liquid and a gas) simultaneously into the suction of the pump. The rotary motion of the impeller quickly and efficiently mixes the two substances together. The turbine impeller's strong stirring capability eliminates the need for using a static mixer or diffusion pipe. Dynamic design, can be throttled to a required duty point without by-passing. Heavy duty casing and impeller components, machined from wrought alloy bars. Rugged containment housing for added safety.

Available in standard or API configurations..

<<< Explosion proof models according to ATEX, category II are available >>>

Connection Discharge	½" bis 1"	
Motor poles	2	4
Flow rate [m³/h]	bis zu 10	bis zu 5
Del. height [m]	bis zu 80	bis zu 25
Max. allowable pressure [bar]	25	
Max. allowable temperature [°C]	300	



Features

- Single stage
- Low Flow, high head
- Standard PN 16
- gas transport possible

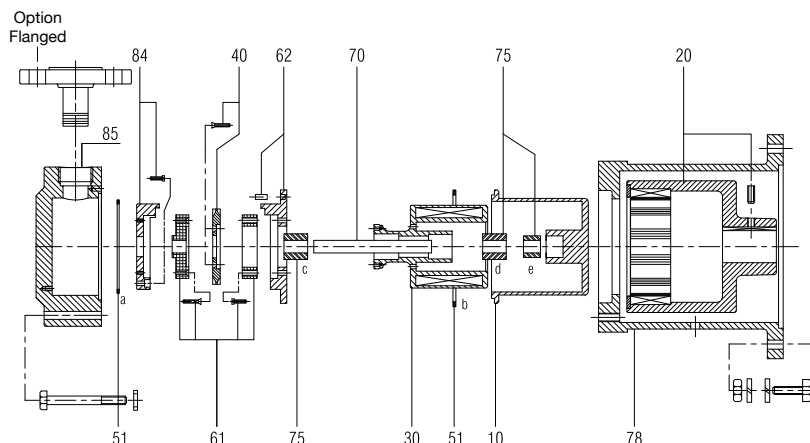
Materials

- Stainless steel AISI 316L
- On request Incoloy 825
- On request Hastelloy C

Applications

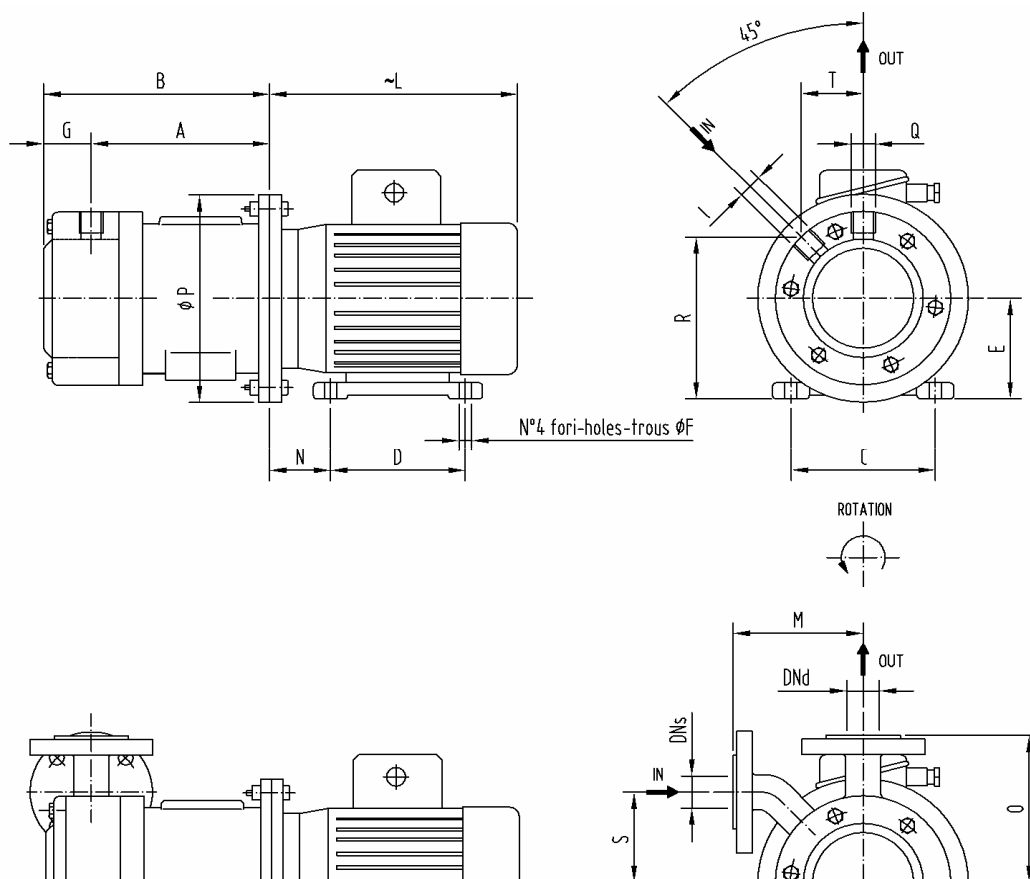
- Chemical Industry
- Pharmaceutical Industry
- Laboratories
- Food processing
- Refrigerants
- Transfer of solvents and alkalies

Sectional drawing



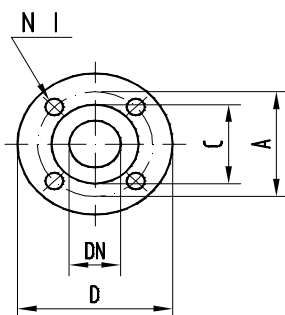
Pos	Description	Material
10	Rear casing	AISI 316L
20	Outer magnet	Neodym / Steel
30	Inner magnet	AISI 316L / CoSm
40	Impeller	AISI 316L
51	O-Ring (a+b)	EPDM or FKM
61	Thrust rings	PTFEC, Graphite / AISI 316L
62	Rear casing ring	AISI 316L
70	Shaft	AISI 316L or SiC
75	Bearing	PTFEC or Graphite
78	Bracket	Cast iron
84	Front casing ring	AISI 316L
85	Casing	AISI 316L

Dimensions



~L: depending on motor manufacturer

Flange connection



DN	UNI PN 16				
	D	C	A	F	G
15	95	45	65	4	14
20	105	58	75	4	14
25	115	68	85	4	14

DN	ANSI 150 RF				
	D	C	A	F	G
1/2"	88,9	34,9	60,3	4	15,9
3/4"	98,4	42,9	69,8	4	15,9
1"	107,9	50,8	79,4	4	15,9

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
1,5 x 6	15 (½")	½"	15 (½")	½"	151	182	112	90	71	7	31	210	88	45	88	160	109	54	38
2 x 7	20 (¾")	¾"	20 (¾")	¾"	155	189	125	100	80	9	34	230	98	50	100	200	124	61	44
2,5 x 8	25 (1")	1"	25 (1")	1"	215	256	220	250	175	14	41	340	133	56	133	250	230	86	55
2,5 x 8,5					215	256	220	250	175	14	41	340	133	56	133	250	230	86	55
					215	256	220	250	175	14	41	340	133	56	133	250	230	86	55
2,5 x 9					215	256	220	250	175	14	41	340	133	56	133	250	230	86	55
					235	276	220	250	175	14	41	402	133	56	133	300	230	86	55

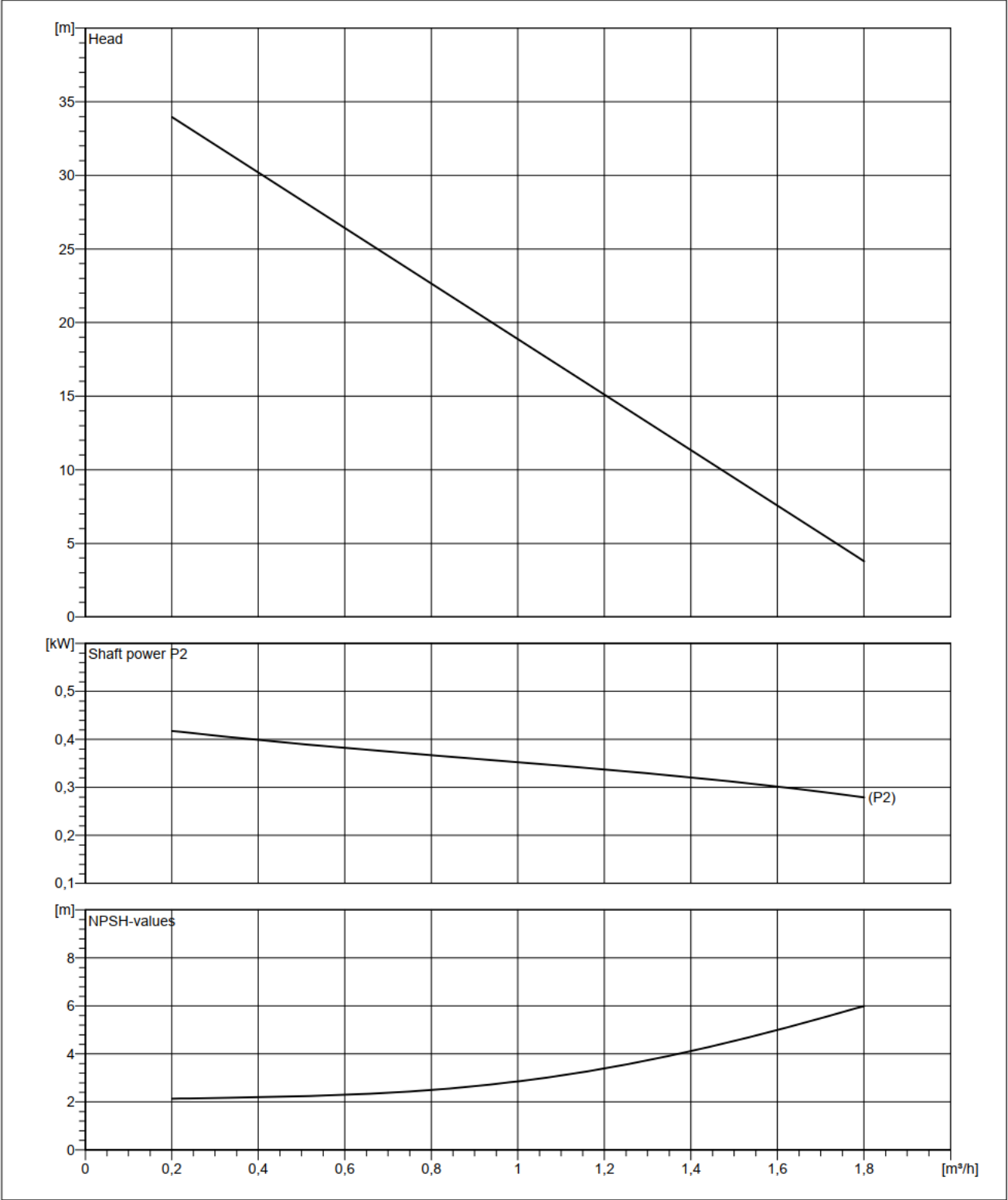
Motor IEC 50Hz		
B3	kW 2p	kW 4p
71	0,55	0,37
80	1,1	0,75
90	2,2	1,5
100		2,2
112	4	
100		2,2
132	5,5	

MAGSON MMT 1,5 x 6

Magnetic coupled regenerative turbine pump made of stainless steel



Duty point			
Capacity:	m³/h	Differential head:	m
Motor power:	0,55 kW	Speed:	2900 1/min 50 Hz
Fluid:			
		Suction nozzle:	DN 15 PN 16
		Discharge nozzle:	DN 15 PN 16

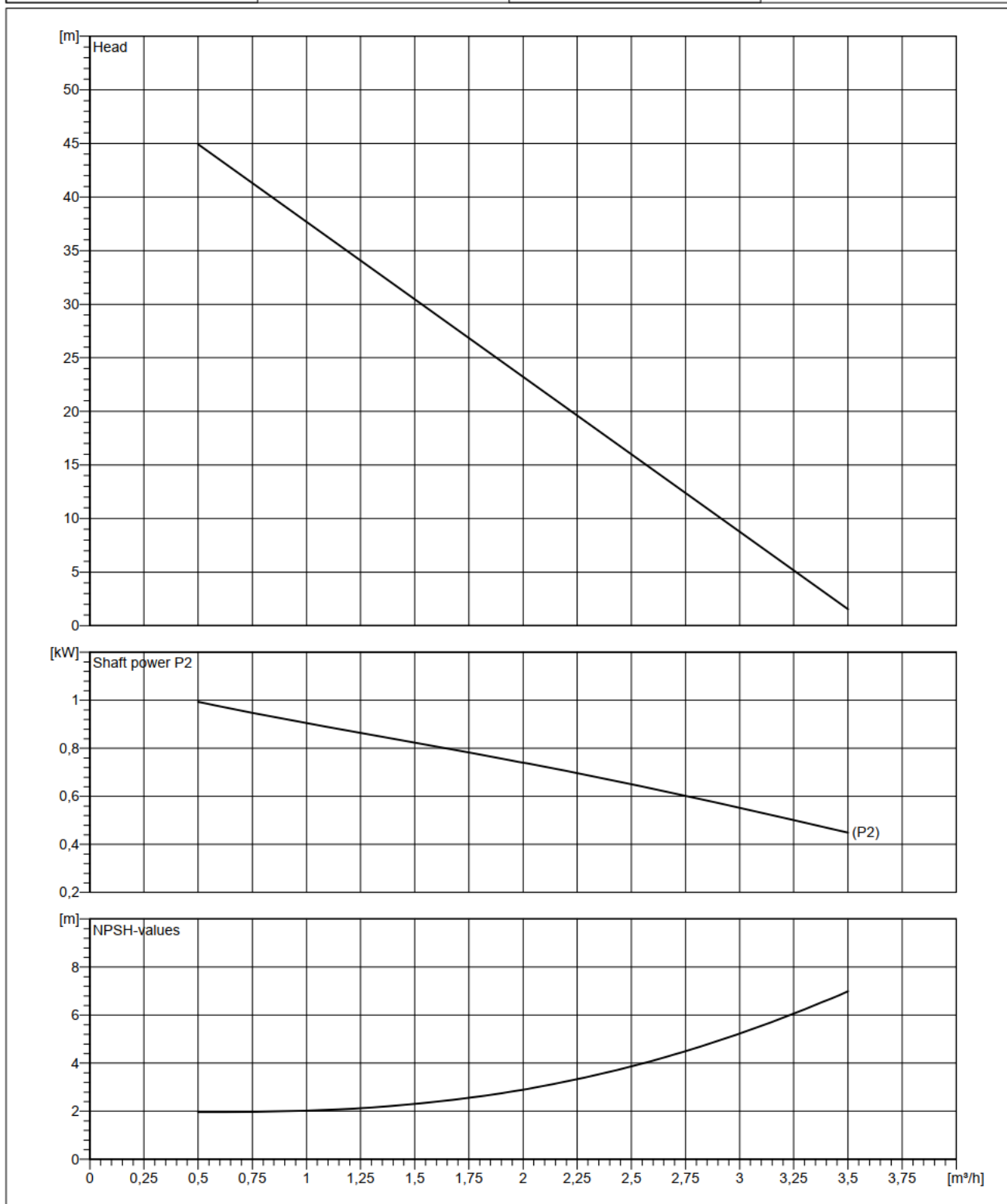


MAGSON MMT 2 x 7

Magnetic coupled regenerative turbine pump made of stainless steel

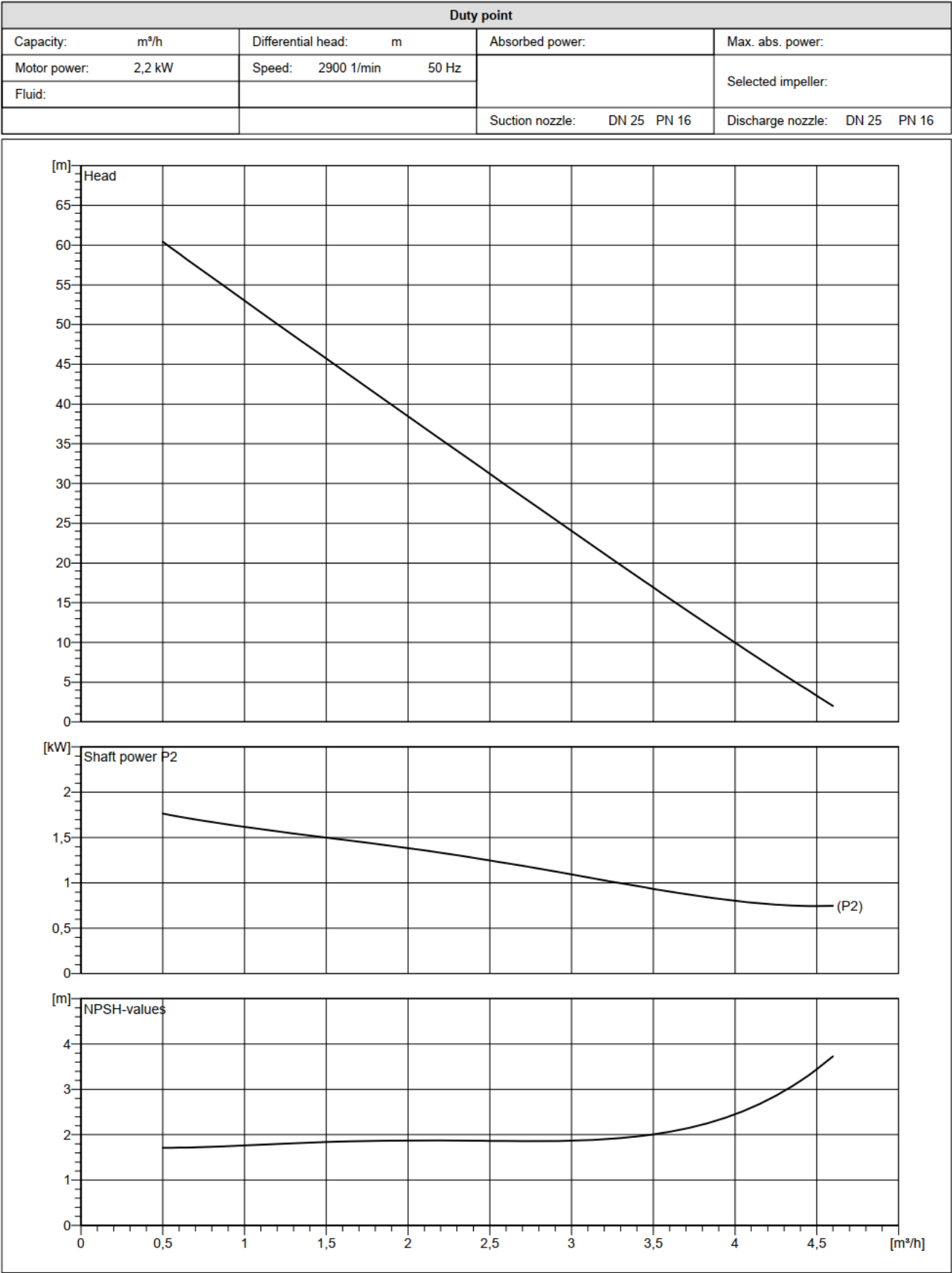


Duty point			
Capacity:	m³/h	Differential head:	m
Motor power:	1,1 kW	Speed:	2900 1/min 50 Hz
Fluid:			
		Suction nozzle:	DN 20 PN 16
		Discharge nozzle:	DN 20 PN 16



MAGSON MMT 2,5 x 8

Magnetic coupled regenerative turbine pump made of stainless steel

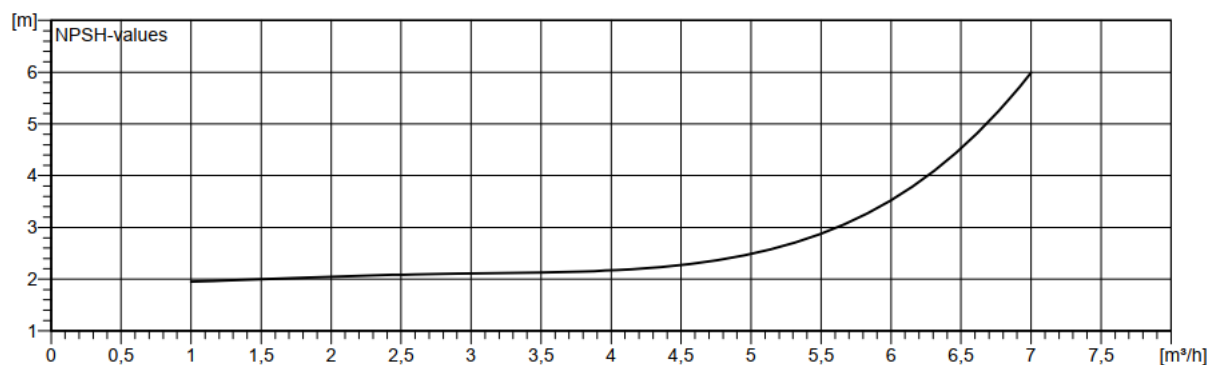
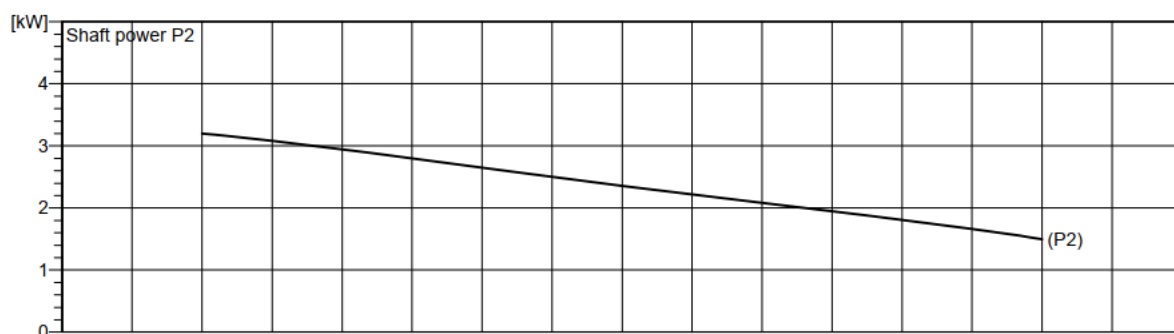
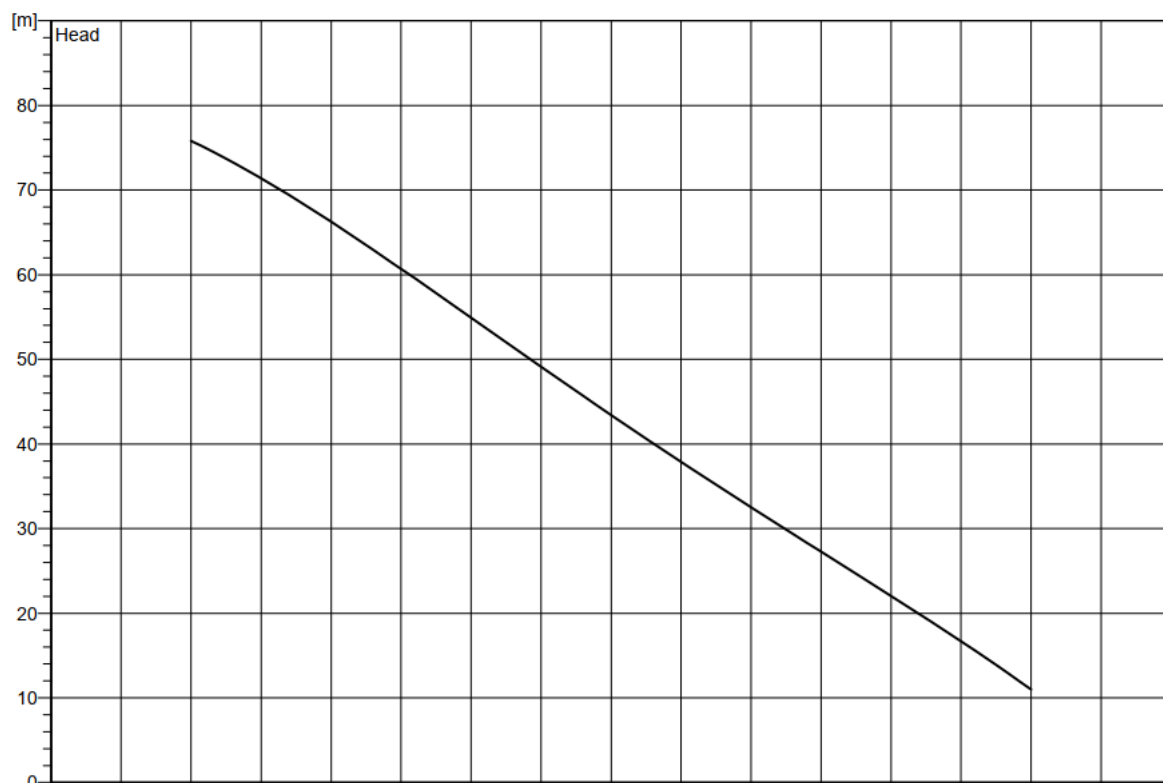


MAGSON MMT 2,5 x 8,5

Magnetic coupled regenerative turbine pump made of stainless steel



Duty point			
Capacity:	m³/h	Differential head:	m
Motor power:	4,0 kW	Speed:	2900 1/min 50 Hz
Fluid:			
		Suction nozzle:	DN 25 PN 16
		Discharge nozzle:	DN 25 PN 16

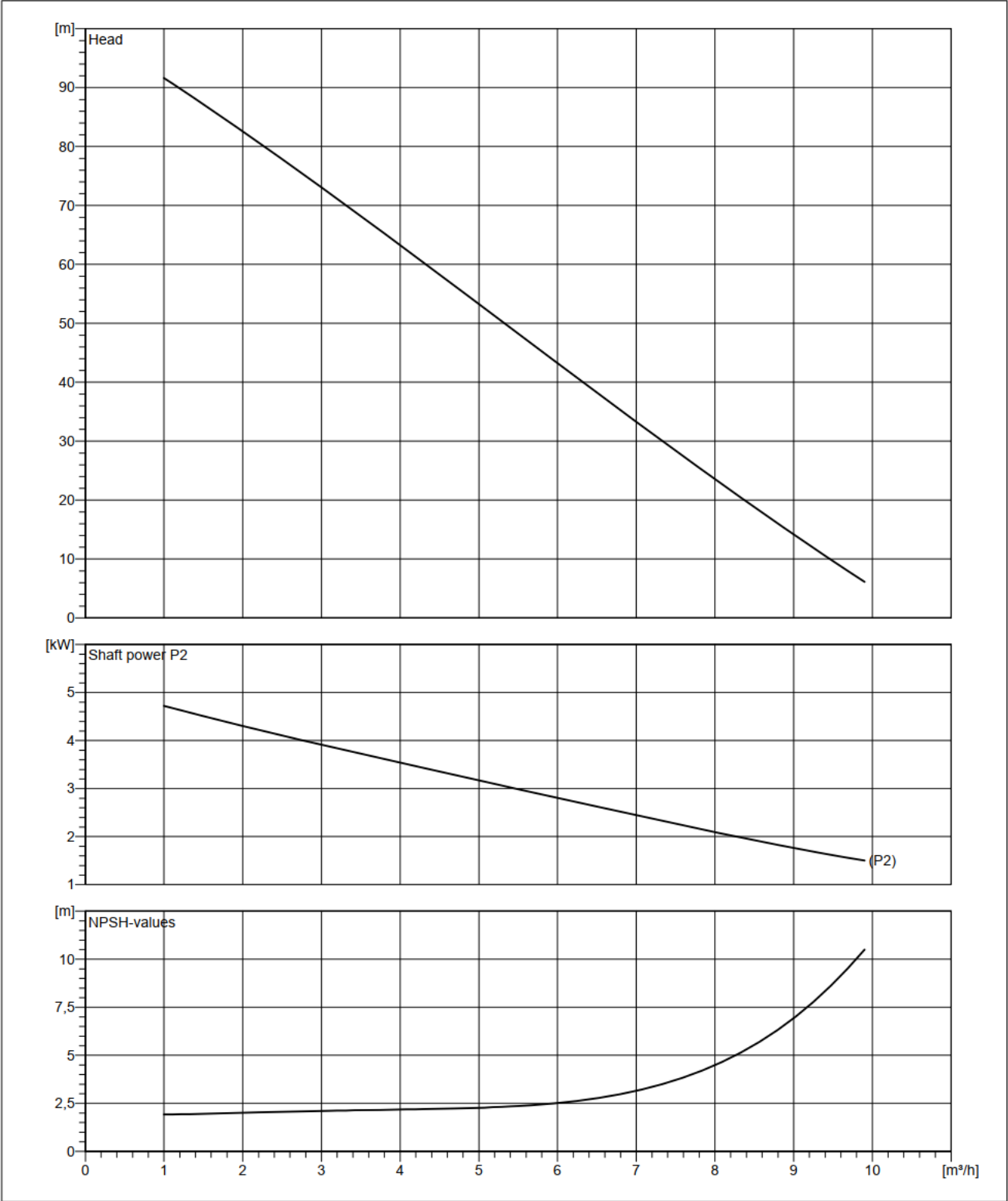


MAGSON MMT 2,5 x 9

Magnetic coupled regenerative turbine pump made of stainless steel



Duty point			
Capacity:	m³/h	Differential head:	m
Motor power:	5,5 kW	Speed:	2900 1/min 50 Hz
Fluid:			
		Suction nozzle:	DN 25 PN 16
		Discharge nozzle:	DN 25 PN 16



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