



HHB 3S/5S



HHB 7S/9S

Horizontale Hochdruckpumpen

Hydraulik in Edelstahl
variable Anschlüsse
maximaler Wirkungsgrad

Einsatzgebiete:

- Wasserversorgung
- Druckerhöhung
- Bewässerung
- Kühlkreisläufe
- Industrielle Anwendungen

Werkstoffe:

Gehäuse	AISI 304
Laufräder	AISI 304
Welle	AISI 303

Betriebsdaten

Q	bis	10	m ³ /h
H	bis	85	m
T	bis	110	°C
N		2900	min-1
pD	max.	8.5	bar

Ausführung:

Mehrstufige Kreiselpumpe in horizontaler Blockbauweise.
Druckstutzen jeweils um 90° drehbar.
Anschlussstutzen mit Innengewinde
Motor und Pumpe mit gemeinsamer Welle

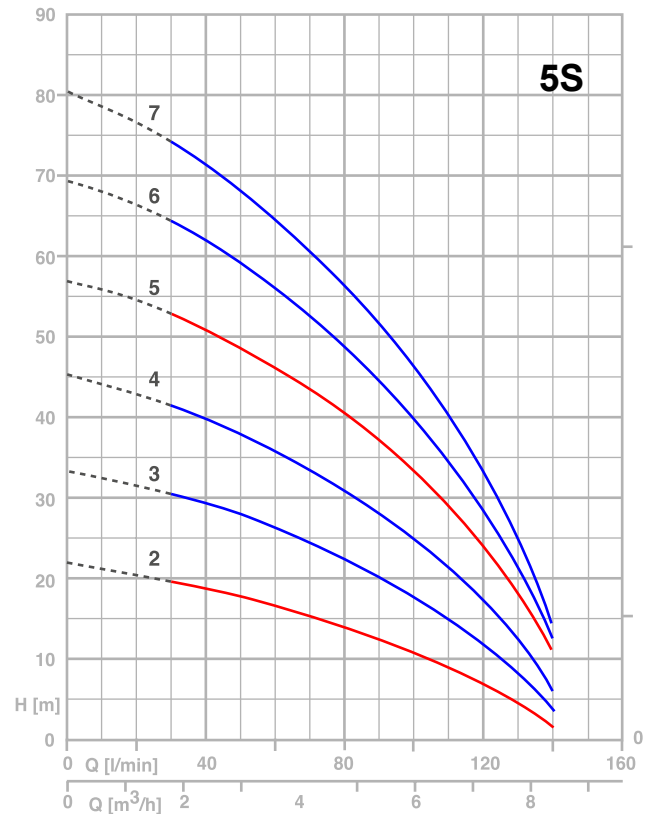
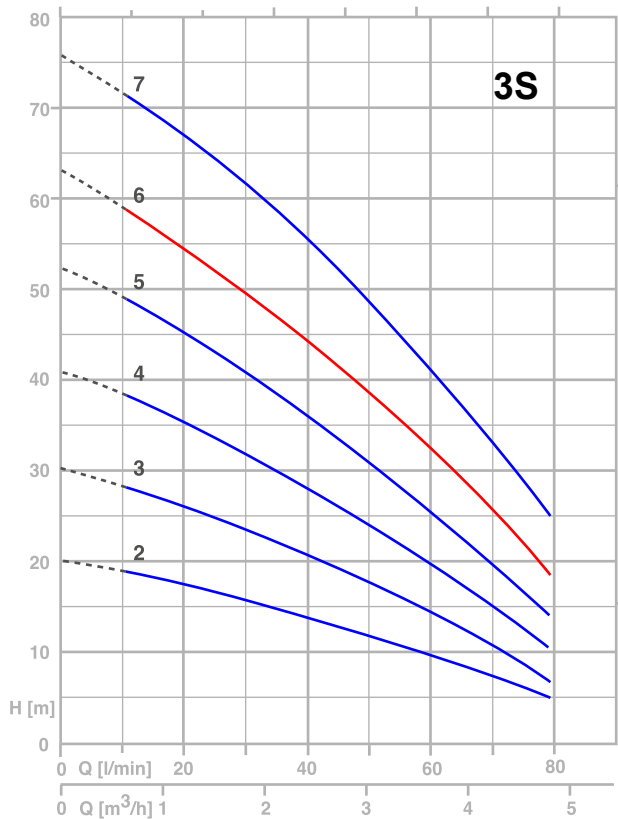
Motor

Spannung	1~230V 50 Hz 3~230/400V 50 Hz
Schutzart	IP 54
Isol.-Cl.	F

Abdichtung

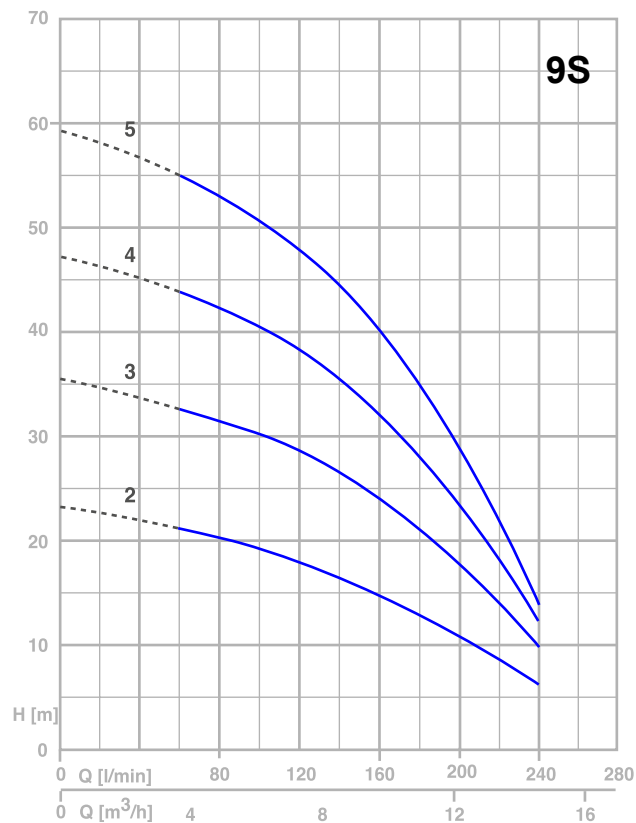
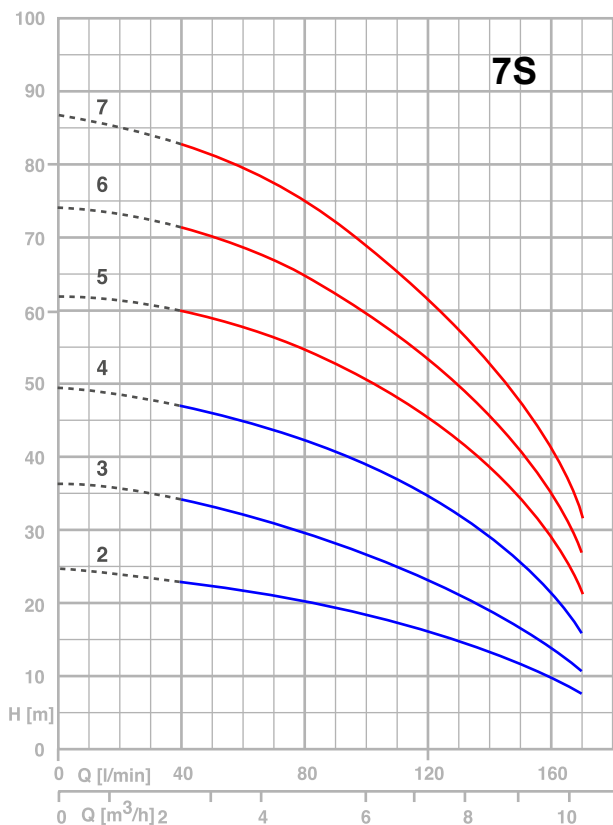
Gleitringdichtung
≤ 6 Stufen Keramik-Kohle
≥ 7 Stufen Kohle - Siliciumcarbid





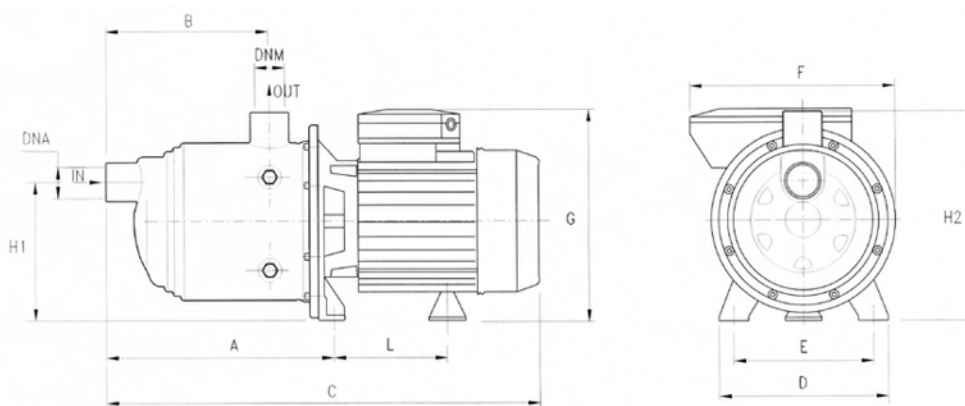
Typ	P2 [kW]	IN [A]		Q [m³/h - l/min]						
		1x230V	3x400V	0	0,6	1,2	1,8	2,4	3,6	4,8
				0	10	20	30	40	60	80
H [m]										
3S-02	0.37	2.0	0.9	20.2	18.8	17.3	15.3	13.7	9.5	4.9
3S-03	0.51	2.9	1.2	30	27.9	25.4	23	20.3	14	6.7
3S-04	0.66	4.0	1.8	40.8	38.3	35.1	31.8	27.9	19.8	10.4
3S-05	0.75	4.8	1.9	52.2	48.9	45.1	40.8	36	25.4	14
3S-06	0.9	5.6	2.6	62.8	58.7	54.5	49.6	43.9	32.1	18.3
3S-07	1.1	7.1	2.9	75.5	71.3	66.6	61.2	54.8	41.1	24.9

Typ	P2 [kW]	IN [A]		Q [m³/h - l/min]							
		1x230V	3x400V	0	1.8	2.4	3.6	4.8	6.0	7.2	8.4
				0	30	40	60	80	100	120	140
H [m]											
5S-02	0.51	2.7	0.9	22	19.7	18.7	16.6	14	10.8	6.8	1.8
5S-03	0.6	3.9	1.2	33.4	30.3	29	26	22.5	17.6	12	3.9
5S-04	0.9	5.2	1.8	45.3	41.3	39.6	35.6	30.8	24.6	17.6	6.4
5S-05	1.1	6.8	1.9	56.8	53	51	46.1	40.1	33.3	24.8	11.5
5S-06	1.3	7.7	2.6	69.3	64.4	62	55.6	48.2	39.6	28.8	12
5S-07	1.5	9.0	2.9	80.3	73.6	71	64.5	56.1	46	33.4	12.5

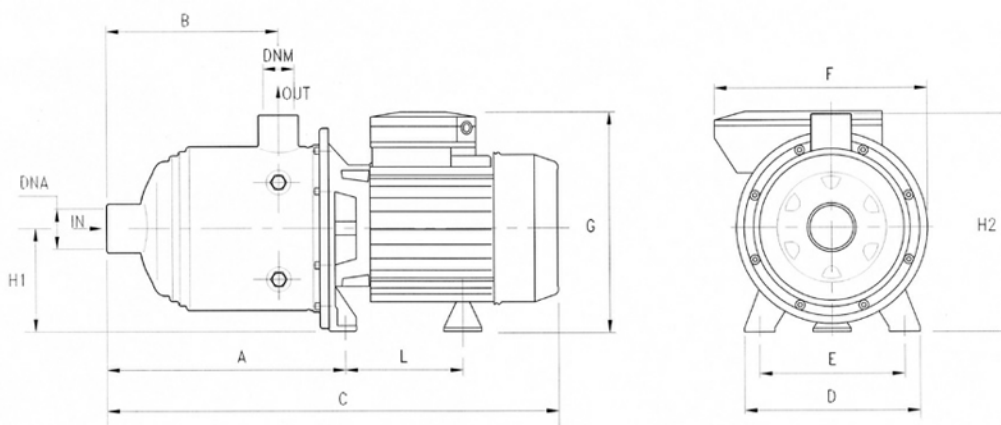


Typ	P2 [kW]	IN [A]		Q [m³/h - l/min]								
		1x230V	3x400V	0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.2
				0	40	60	80	100	120	140	160	170
H [m]												
7S-02	0.75	4.4	1.7	24.8	23.4	22	20.5	18.7	16.3	13.6	10.2	8.3
7S-03	0.9	5.9	2.6	36.7	34	32	29.6	26.5	23	18.6	13.8	11
7S-04	1.3	8.3	3.2	49.5	47.4	45.3	42.5	39.2	34.8	29.4	22.6	16.9
7S-05	1.85	10.9	4.2	62.6	60.6	58.2	55.1	51.1	45.8	39	29.8	21.5
7S-06	2.2	12.2	5.0	74.8	71.5	68.3	64.5	59.3	53	44.6	34.5	26.7
7S-07	2.57	0	5.5	87.2	83.3	79.3	74.6	68.9	61.9	52.5	41	32.2

Typ	P2 [kW]	IN [A]		Q [m³/h - l/min]												
		1x230 V	3x400 V	0	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2			14.4
				0	60	80	100	120	140	160	180	200	220			240
H [m]																
9S-02	0.75	4.4	1.7	23	20.9	20	19.1	17.9	16.6	15	13.2	11.1	8.9	6.5		
9S-03	1.1	6.7	2.8	35.2	32.6	31.5	30.3	28.8	26.9	24.5	21.5	18.3	14.7	10.8		
9S-04	1.5	8.4	3.3	47.1	43.5	42	40.5	38.3	35.7	32.4	28.4	23.8	18.9	13.3		
9S-05	1.85	10.6	4.3	59.2	54.4	52.4	50.4	47.9	44.8	40.5	35.5	29.8	23.5	16.3		



Typ	Abmessung										Gew. [Kg]	DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2			
3S-02	166.8	103	333	164	140	178	190	93.7	128	192	6.3	1" IG	1" IG
3S-03	166.8	103	333	164	140	178	190	93.7	128	192	7.2		
3S-04	190.8	127	357	164	140	178	190	93.7	128	192	8.3		
3S-05	214.8	151	404	164	140	178	203	104.7	128	192	10.6		
3S-06	238.8	175	428	164	140	178	203	104.7	128	192	11.0		
3S-07	262.8	199	483	164	140	201	211	128.2	134	198	14.1		
5S-02	166.8	103	333	164	140	178	195	93.7	128	192	7.1		
5S-03	166.8	103	357	164	140	178	203	93.7	128	192	9.5		
5S-04	190.8	127	380	164	140	178	203	104.7	128	192	11.1		
5S-05	214.8	151	436	164	140	201	211	128.2	134	198	13.5		
5S-06	238.8	175	459	164	140	201	211	128.2	134	198	14.4		
5S-07	262.8	199	483	164	140	201	211	128.2	134	198	16.2		



Typ	Abmessung										Gew. [Kg]	DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2			
7S-02	166.8	103	356	164	140	178	203	104.7	92	192	10.0	1 1/4" IG	1" IG
7S-03	166.8	103	356	164	140	178	203	104.7	92	192	10.8		
7S-04	190.8	127	411	164	140	201	211	1.282	98	198	13.8		
7S-05	214.8	151	436	164	140	201	211	128.2	98	198	15.8	1 1/2" IG	1 1/4" IG
7S-06	238.8	175	459	164	140	201	211	128.2	98	198	18.2		
7S-07	262.8	199	527	164	140	201	229	148.2	103	203	18.6		
9S-02	185.8	118	375	164	140	178	203	107.7	98	192	10.1		
9S-03	185.8	118	375	164	140	201	211	128.2	98	198	13.2		
9S-04	215.8	148	436	164	140	201	211	128.2	98	198	15.5		
9S-05	245.8	178	464	164	140	201	211	128.2	98	198	16.1		