



Vertikale Hochdruckpumpen



Hydraulik in Edelstahl
variable Anschlüsse
maximaler Wirkungsgrad

Einsatzgebiete:

- Wasserversorgung
- Druckerhöhung
- Bewässerung
- Kühlkreisläufe
- Industrielle Anwendungen

Werkstoffe:

Gehäuse	GG
Laufäder	AISI 304
Welle	AISI 303

Betriebsdaten

Q	bis	10	m ³ /h
H	bis	140	m
T	bis	110	°C
N		2900	min-1
pD	max.	8.0 bar <	6 Stufen
		14 bar >	7 Stufen

Ausführung:

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

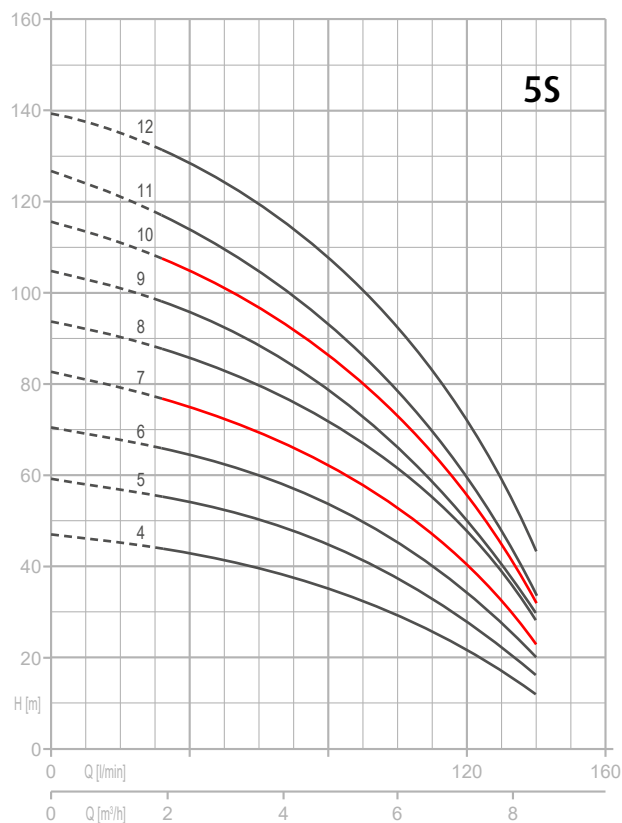
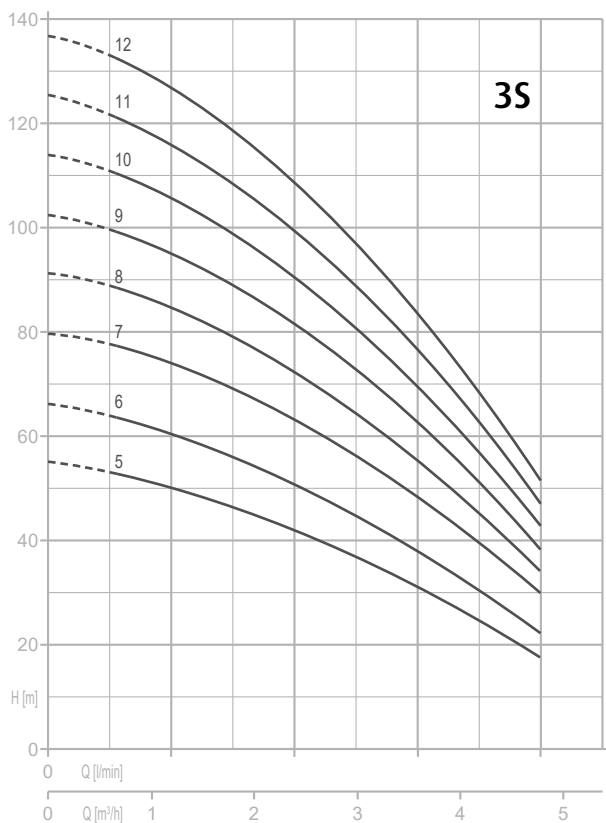
Abdichtung

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

Motor

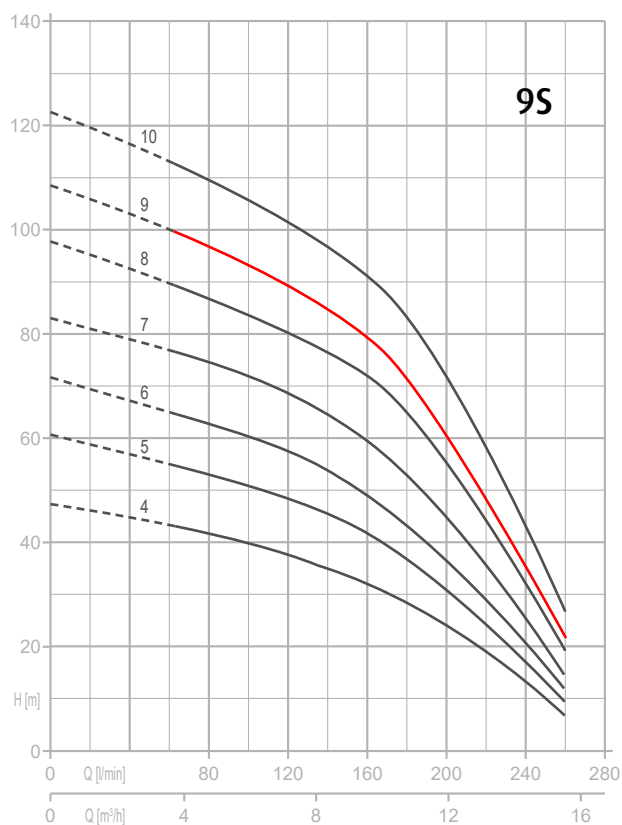
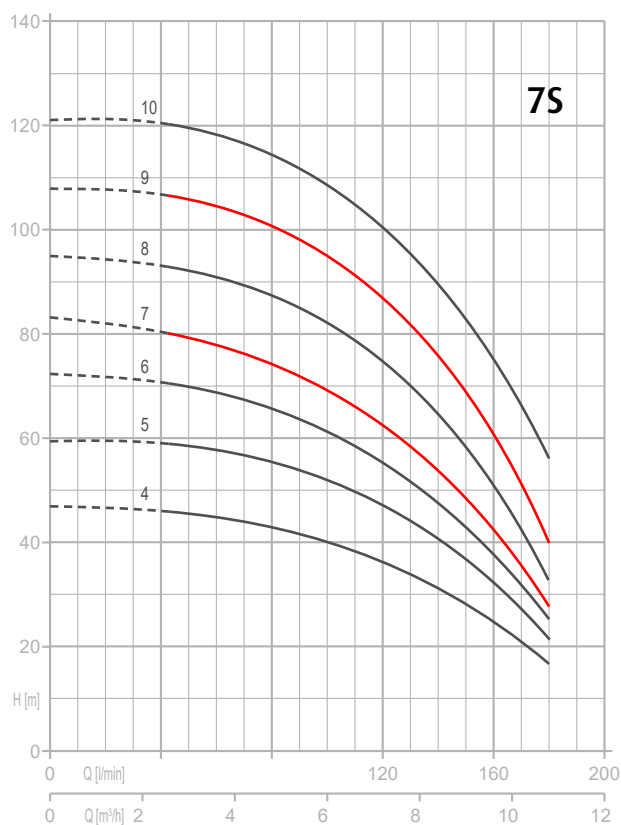
Spannung	1~230V 50 Hz
	3~230/400V 50 Hz
Schutzart	IP 54
Isol.-Cl.	F





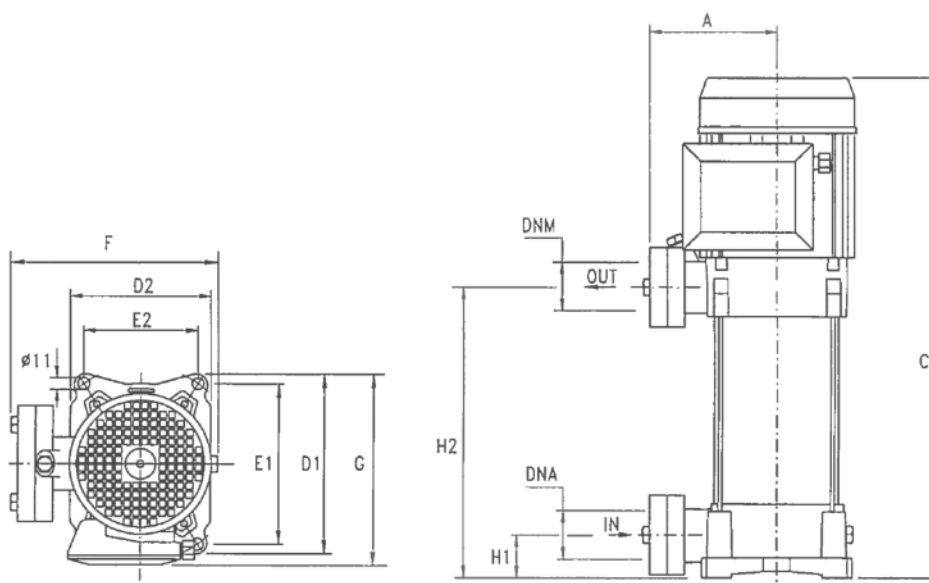
Typ	P2 [kW]	IN [A]		Q [m ³ /h - l/min]						
		1x230V	3x400V	0	0,6	1,2	1,8	2,4	3,6	4,8
				0	10	20	30	40	60	80
H [m]										
3S-05	0.75	4.4	1.7'	55.3	53.5	50.3	46.5	42.1	31.6	17.7
3S-06	0.9	5.1	2.5	66.6	64.4	60.8	56.0	50.7	38.1	22.4
3S-07	1.1	6.4	2.7	80.1	77.7	74.2	69.1	63.3	48.8	30.0
3S-08	1.3	6.9	2.7	91.5	88.8	84.8	79.0	72.3	55.8	34.3
3S-09	1.5	7.7	3.0	103.0	99.9	95.4	88.8	81.4	62.7	38.6
3S-10	1.8	9.2	3.7	114.4	111.0	106.0	98.7	90.4	69.7	42.9
3S-11	2.1	9.7	3.9	125.9	122.1	116.6	108.6	99.5	76.7	47.1
3S-12	2.2	10.3	4.3	137.3	133.2	127.2	118.5	108.5	83.7	51.4

Typ	P2 [kW]	IN [A]		Q [m ³ /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-04	0.9	4.9	2.4	45.5	42.2	40.7	37.2	32.9	27.4	19.8	10.4
5S-05	1.1	6.5	2.7	57.2	53.4	51.7	47.6	42.3	35.2	25.7	14.0
5S-06	1.3	7.3	3.0	68.9	64.4	62.3	57.5	51.5	43.5	32.6	18.1
5S-07	1.7	8.7	3.3	81.0	75.5	73.0	67.4	60.3	51.0	38.6	21.0
5S-08	1.9	10.1	4.0	92.1	86.5	84.0	77.8	70.1	60.0	45.5	26.0
5S-09	2.1	11.0	4.2	103.4	96.7	93.5	86.0	77.1	65.6	48.7	27.6
5S-10	2.2	11.9	4.7	114.2	106.4	102.9	95.2	85.2	72.0	53.3	30.0
5S-11	2.6	12.9	4.9	125.1	115.7	118.8	102.6	91.6	77.1	57.1	30.7
5S-12	2.8	-	6.0	138.1	129.4	125.9	117.4	106	91.2	70.1	42.2



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	10.8
				0	40	60	80	100	120	140	160	180
H [m]												
7S-4	1.3	7.7	3.1	48.0	46.3	45.7	43.6	40.4	36.4	31.4	25.0	17.2
7S-5	1.9	10.2	4.1	60.3	59.0	58.2	55.7	52.2	47.4	41.3	33.5	23.5
7S-6	2.2	11.4	4.8	71.8	70.0	68.9	65.7	61.3	55.4	48.1	38.5	26.0
7S-7	2.6	-	5.1	83.5	80.7	78.8	74.7	69.4	62.6	53.9	42.7	27.5
7S-8	3.0	-	6.0	95.6	93.3	91.4	87.2	81.6	74.2	64.8	51.9	33.0
7S-9	3.4	-	6.5	108.5	106.5	105.1	101.0	95.0	87.2	76.6	62.6	39.5
7S-10	4.0	-	7.9	121.5	120.1	119.3	115.3	109.2	100.8	89.8	75.0	55.4

Typ	P2 [kW]	IN [A]		Q [m³/h - l/min]											
		1x230V	3x400V	0	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6
				0	60	80	100	120	140	160	180	200	220	240	260
H [m]															
9S-4	1.5	8.4	3.3	47.6	43.5	42.1	40.1	38.1	35.7	32.7	28.9	24.2	19.0	13.1	7.1
9S-5	1.87	10.8	4.3	60.0	54.8	53.0	51.0	48.2	45.4	42.0	37.3	31.6	25.0	18.0	10.6
9S-6	2.2	12.5	4.9	71.8	64.9	63.0	59.9	57.0	53.7	49.7	44.3	37.0	29.5	20.8	11.1
9S-7	3.0	-	5.8	83.3	76.7	74.9	71.8	68.3	64.6	59.9	53.5	44.8	35.9	25.7	14.3
9S-8	3.37	-	6.4	97.3	89.5	87.3	84.0	80.5	76.5	71.6	64.8	54.9	44.0	32.4	19.7
9S-9	3.7	-	7.0	109.0	100.0	97.6	93.6	89.5	85.0	79.4	71.6	60.1	48.0	34.9	21.9
9S-10	4.0	-	8.3	122.0	112.8	110.5	106.5	102.2	97.3	91.6	82.8	70.7	57.1	42.3	26.5



Typ	Abmessung										Gew. [Kg]	DNA	DNM
	A	C	D1	D2	E1	E2	F	G	H1	H2			
3S-5	135	413	204	162	178.5	125	229	213	40	178	19	1 1/4" IG	1 1/4" IG
3S-6	135	437	204	162	178.5	125	229	213	40	202	19.7		
3S-7	135	491	204	162	178.5	125	229	220	40	226	22.8		
3S-8	135	515	204	162	178.5	125	229	220	40	250	24		
3S-9	135	539	204	162	178.5	125	229	220	40	274	25.4		
3S-10	135	563	204	162	178.5	125	229	220	40	298	26.2		
3S-11	135	587	204	162	178.5	125	229	220	40	322	27.7		
3S-12	135	611	204	162	178.5	125	229	220	40	346	29.3		
5S-4	135	389	204	162	178.5	125	229	213	40	178	19.5	1 1/4" IG	1 1/4" IG
5S-5	135	443	204	162	178.5	125	229	220	40	202	22.1		
5S-6	135	467	204	162	178.5	125	229	220	40	226	23.3		
5S-7	135	491	204	162	178.5	125	229	220	40	250	25.4		
5S-8	135	515	204	162	178.5	125	229	220	40	274	26.2		
5S-9	135	539	204	162	178.5	125	229	220	40	298	28.8		
5S-10	135	563	204	162	178.5	125	229	220	40	322	29.5		
5S-11	135	532	204	162	178.5	125	229	228	40	346	32.8		
5S-12	135	656	204	162	178.5	125	229	228	40	370	33.5		
7S-4	135	419	204	162	178.5	125	229	220	40	178	22.1	1 1/4" IG	1 1/4" IG
7S-5	135	443	204	162	178.5	125	229	220	40	202	24.5		
7S-6	135	467	204	162	178.5	125	229	220	40	226	27.3		
7S-7	135	536	204	162	178.5	125	229	228	40	250	25.0		
7S-8	135	560	204	162	178.5	125	229	228	40	274	31.2		
7S-9	135	617	204	162	178.5	125	229	243	40	301	36		
7S-10	135	641	204	162	178.5	125	229	243	40	325	39.4		
9S-4	135	419	204	162	178.5	125	229	220	40	202	23.9	1 1/2" IG	1 1/2" IG
9S-5	135	443	204	162	178.5	125	229	220	40	232	24.8		
9S-6	135	467	204	162	178.5	125	229	220	40	262	27.9		
9S-7	135	536	204	162	178.5	125	229	228	40	292	31.2		
9S-8	135	560	204	162	178.5	125	229	243	40	325	35.9		
9S-9	135	617	204	162	178.5	125	229	243	40	355	36.7		
9S-10	135	641	204	162	178.5	125	229	243	40	385	40		