SPECK

Technical Data

BADU Block 100/250

Operating data

Design	FM				
Flow US g.p.m.	Nominal	800	Shaft power hp		19.8
	Max-	1024	Max. shaft power at max. impeller hp		32.8
	Min-	112.57	Efficiency %		69.4
Head ft	Nominal	70	Speed rpm		1740
	Max-	90.802	Impeller construction		Closed
	Min-	47.419	Impeller type		Multi channel impeller
Static head ft		0	Impeller Ø inch		$9^{5}/_{16}$
Inlet pressure psi		1.4204	Fluid	Water, swimming pool (no brine)	
Suction port	Pressure rating	PN 10		Pressure rating	PN 16
	Nominal size	DN 200	Discharge port	Nominal size	DN 100
	Norm	EN 1092-2		Norm	EN 1092-2

Motor

Motor design	IM B5	Nominal speed rpm	1775
Size	160 L	Rated voltage V	460
Circuit	Star-delta	Rated current A	28
Rated power hp	23.2	1-phase / 3-phase	3~
Frequency Hz	60	Degree of protection	IP 55 IE3

Description

Materials

Casing parts	G-CuSn10 (CC480K-GS)
Impeller	G-CuSn10 (CC480K-GS)
Casing wear rings	G-CuPb10Sn (CC495K-GS)
Pump shaft	1.4571 (X6CrNiMoTi17-12-2)
Shaft sleeve	1.4571 (X6CrNiMoTi17-12-2)
Drive lantern	GG-25 (Cast iron EN-JL 1040)
Prefilter casing	GG-20 (Cast iron EN-JL 1030 Rilsan-coated)
Suction Strainer	1.4571 (X6CrNiMoTi17-12-2)
Filterdeckel	G-CuSn10 (CC480K-GS)
Mechanical seal	SIC / SIC / HNBR

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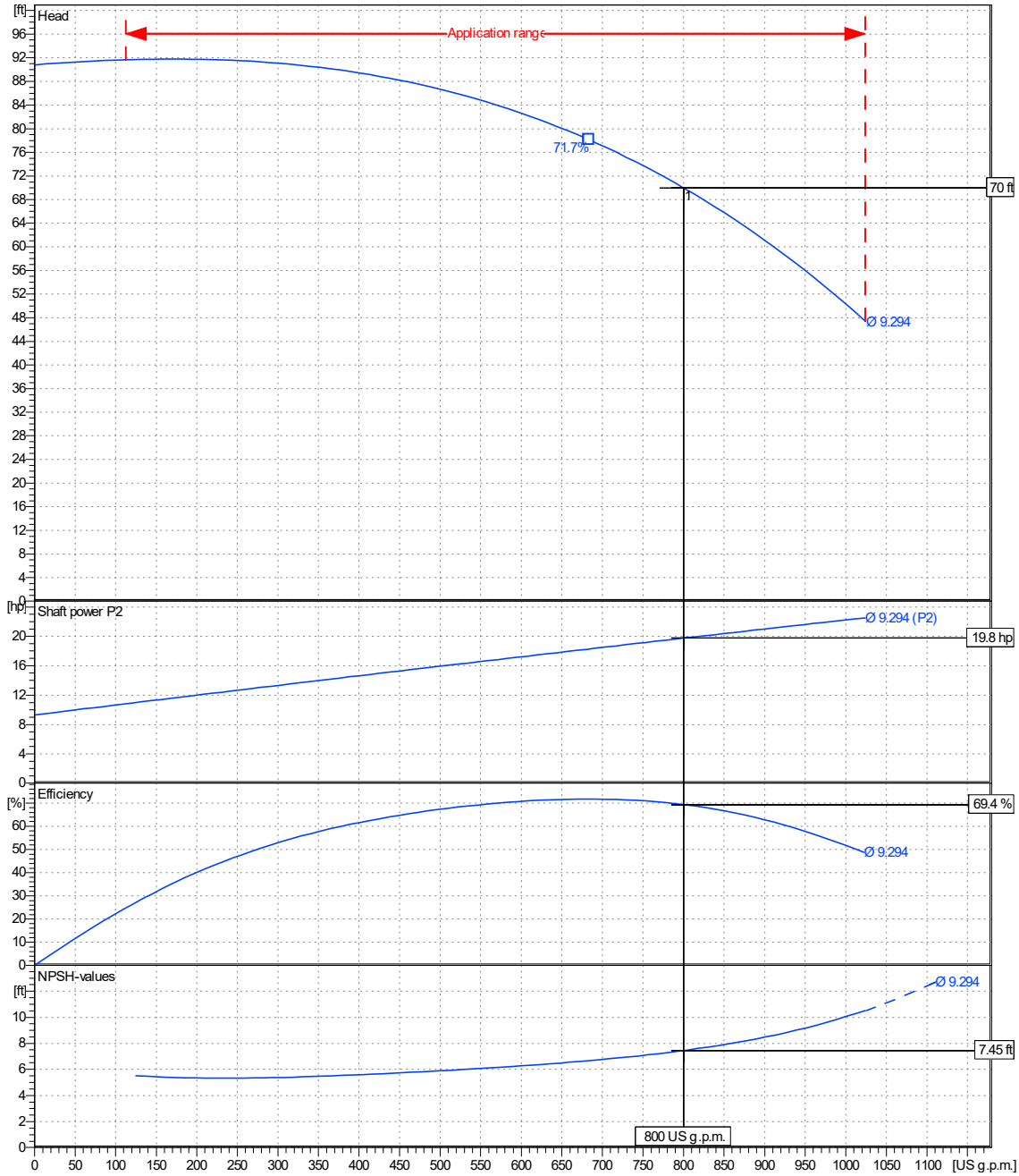
Performance curve

BADU Block 100/250

Impeller		
Impeller size inch $9^{5}/_{16}$	Impeller type Multi channel impeller	Impeller construction Closed

Operating data					
Speed rpm 1740	Frequency Hz 60 Hz	Flow US g.p.m. 800	Head ft 70	Suction port DN 200	Discharge port DN 100

Power data referred to: Water, pure



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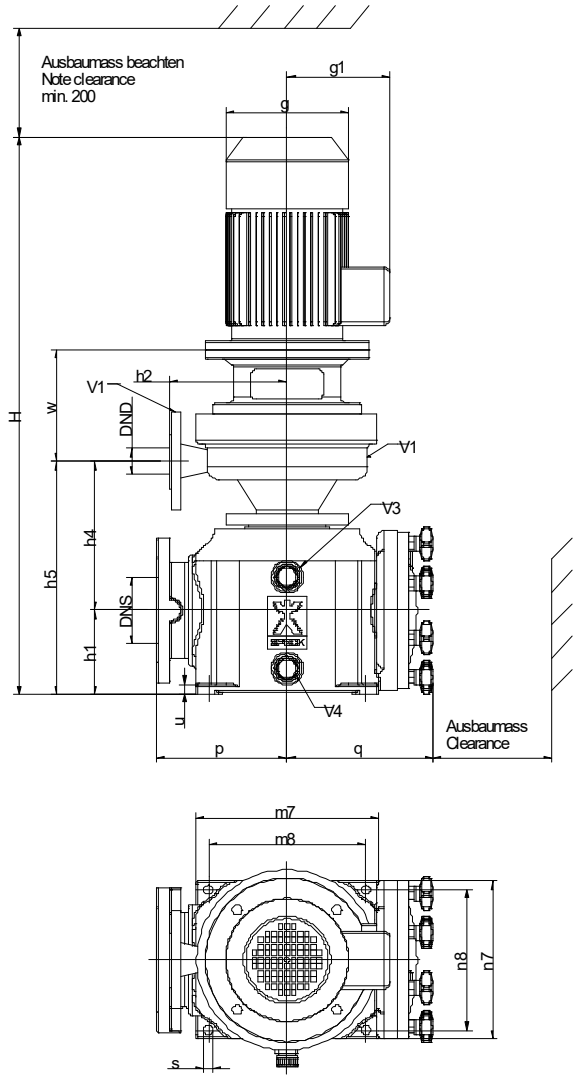
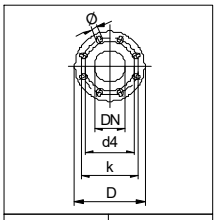
Dimension drawing

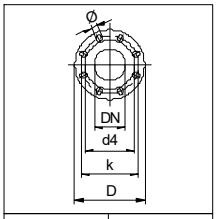
BADU Block 100/250

Discharge position V





DND	
D	$8^{11}/_{16}$
d4	$6^{1}/_{8}$
k	$7^{1}/_{16}$
Ø	$^{3}/_{4}$



DNS	
D	$13^{3}/_{8}$
d4	$10^{1}/_{2}$
k	$11^{5}/_{8}$
Ø	$^{7}/_{8}$

Dimensions in inch

Ausbaumass	$15^{3}/_{4}$	q	$9^{3}/_{16}$
DND	$3^{15}/_{16}$	s	$^{11}/_{16}$
DNS	$7^{7}/_{8}$	u	$^{3}/_{4}$
g	$12^{3}/_{8}$	V1	Rp 1/2
g1	$9^{5}/_{16}$	V3	G 3/4
H	$50^{1}/_{4}$	V4	G 1
h1	$6^{7}/_{8}$	w	$9^{11}/_{16}$
h2	11		
h4	$11^{7}/_{8}$		
h5	$18^{3}/_{4}$		
m7	$13^{3}/_{4}$		
m8	$11^{13}/_{16}$		
n7	$12^{1}/_{16}$		
n8	$10^{7}/_{16}$		
p	$9^{1}/_{4}$		

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