

Features



High Working Pressure

Wider range application with flow capacity up to 22 m³/min. Higher working pressure up to 20 bar.



Stable Performance

Non-overload design to ensure stable performance for all applications.



Top Centreline Discharge

Foot support under casing for maximum resistance due to misalignment and distortions from pipe loads.



Easy Removal and Maintenance

BPO (Back Pull Out) system allows all rotating elements can be removed without disconnecting suction and discharge pipe work.

Application Fields



Water Supply



Water Circulation

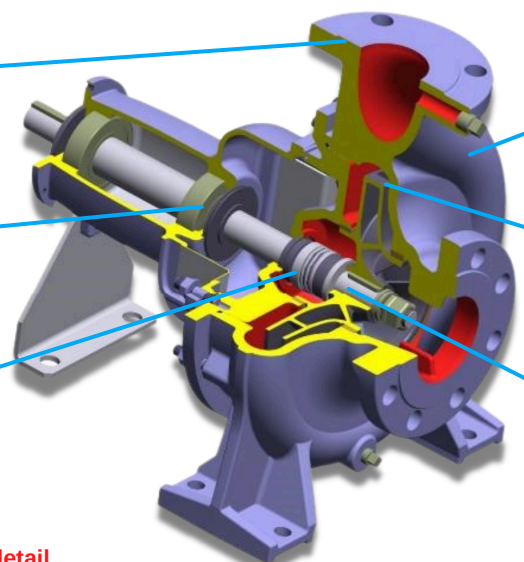


Industrial Use

Specification

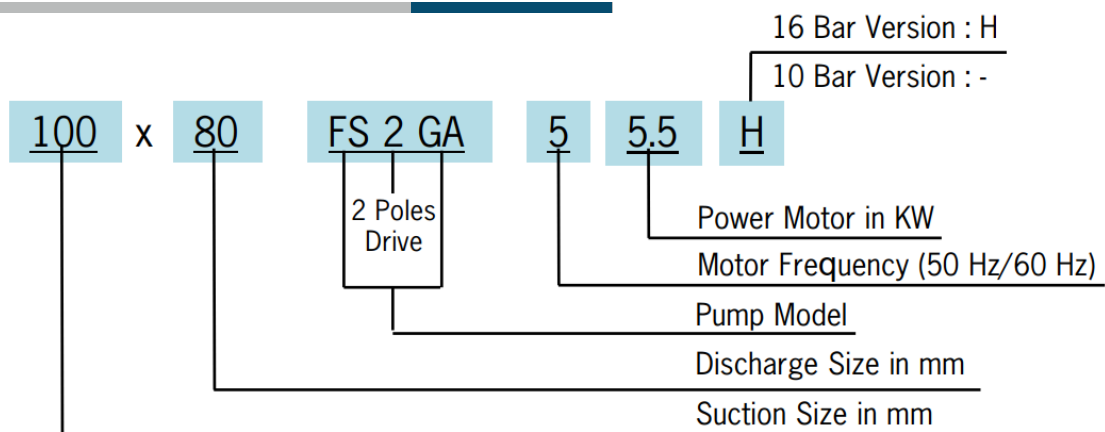
Liquid Handling Clean Water, 0 - 80 C	Max. Working Pressure Up to 20 Bar*	Design Standard JIS B 8313
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Flange JIS 10K, JIS16K JIS20K*	Casing Cast Iron Ductile Cast Iron*
Bearing Sealed Ball Bearing Oil Bath System*	Impeller Bronze Cast Iron* Ductile Cast Iron*
Shaft Seal Mechanical Seal Gland Packing	Shaft Stainless Steel



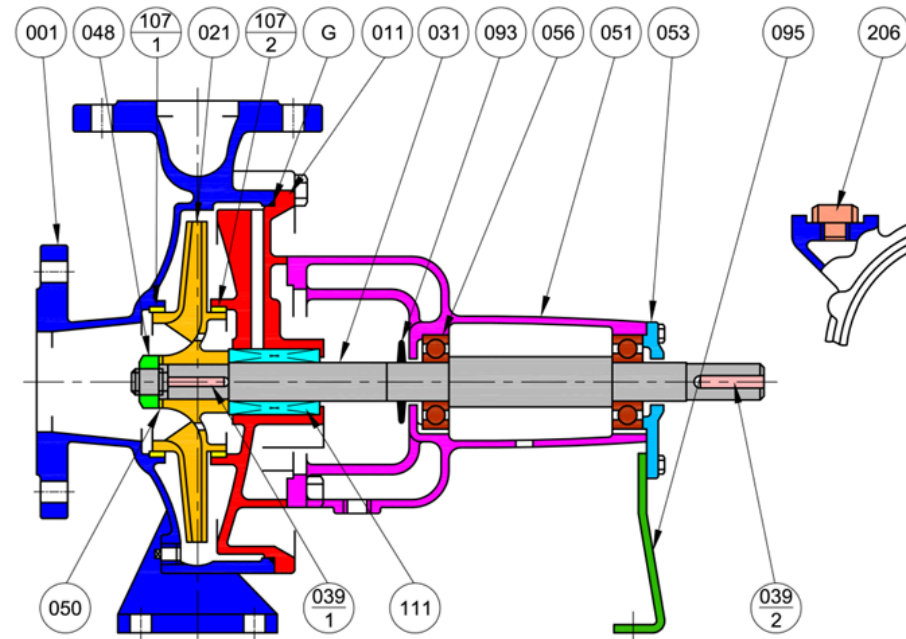
*Optional & Contact Us for more detail.

Model Code



Sectional View

General

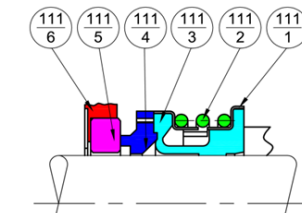


No.	Part Name	Material	Qty
G	O-Ring	Rubber	1
206	Plug	Steel	
111	Mechanical Seal	-	
107-2	Casing Ring	Bronze	
107-1	Casing Ring	Steel	2
095	Bearing Support	Rubber	
093	Deflector	-	1
056	Ball Bearing	Cast Iron	
053	Bearing Cover	Brass	
051	Bearing Housing	Stainless-steel	1
050	Impeller Nut Washer	Cast Iron	
048	Impeller Nut	Steel	1
039-2	Coupling Key	Stainless-steel	
039-1	Impeller Key	Bronze	1
031	Shaft	Cast Iron	
021	Impeller	Cast Iron	1
011	Casing Cover	Cast Iron	
001	Casing	Cast Iron	1

Recommended Spare Part			
No.	Part Name	Expected Life (Year)	Qty/Unit
056	Ball Bearing	3	2
107	Casing Ring	2	2
111	Mechanical Seal	1	1
-	Coupling Rubber	2	1 Set

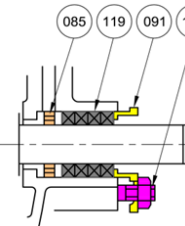
Recommended Spare Part			
No.	Part Name	Expected Life (Year)	Qty/Unit
056	Ball Bearing	3	2
107	Casing Ring	2	2
111	Gland Packing	1	1 Set
-	Coupling Rubber	2	1 Set

Mechanical Seal Type (Standard)



No.	Part Name	Material	Qty
111-6	Cup Gasket	NBR	1
111-5	Matting Ring	Ceramic	
111-4	Seal Ring	Carbon	
111-3	Bellows	NBR	
111-2	Coil Spring	Stainless Steel	
111-1	Spring Holder	Stainless Steel	

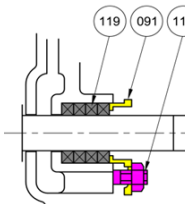
Gland Packing with Lantern Ring



No.	Part Name	Material	Qty
119	Gland Packing	Carbonized fiber	4 or 5
110	Gland Bolt	Brass	2
091	Gland	Brass	1
085	Lantern Ring	Bronze	

Pump Model:
50x40 FSHA; 65x50 FSHA, FSJA;
80x65 FSGA, FSHA;
100x80 FSGA; 125x100 FSLA;
150x100 FSKA, FSNA;

Gland Packing without Lantern Ring

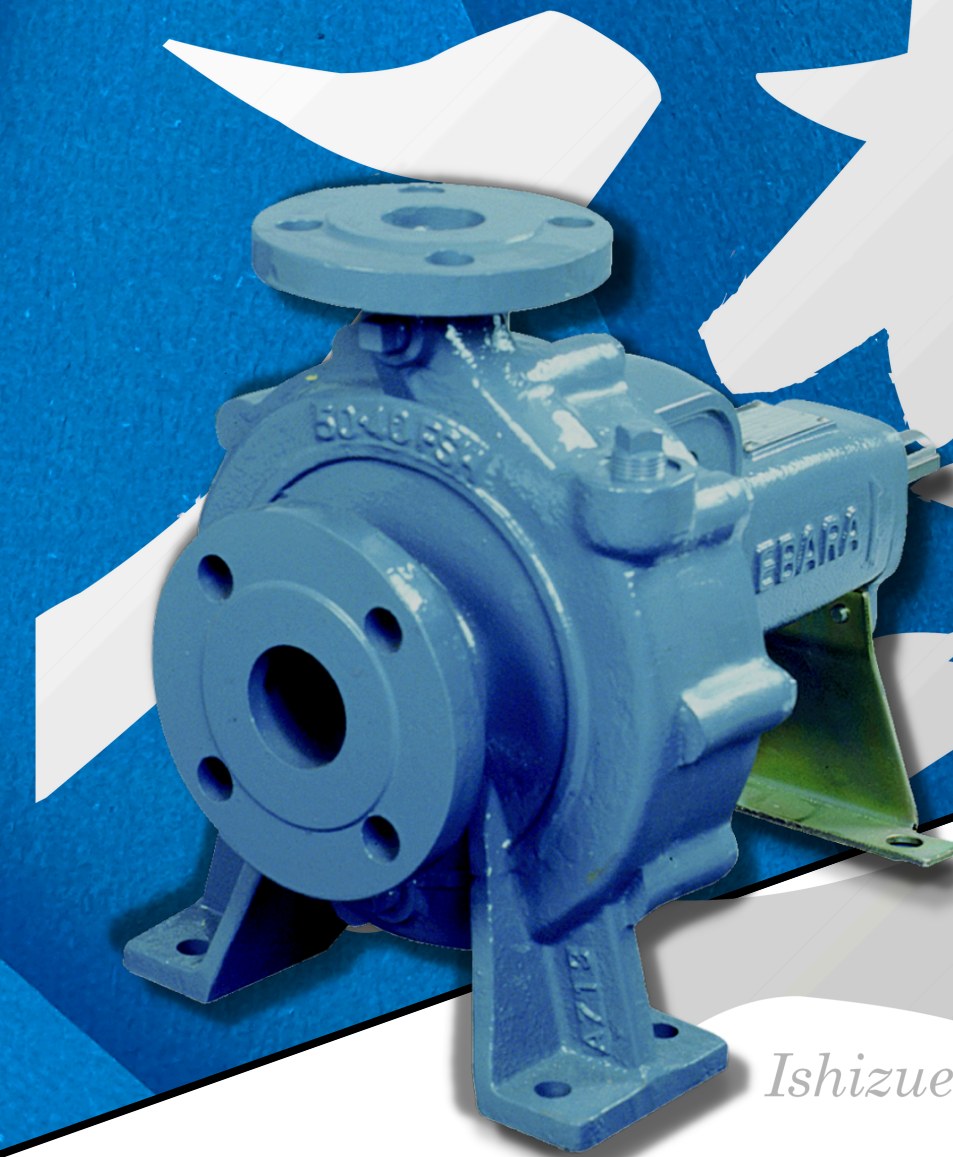


No.	Part Name	Material	Qty
119	Gland Packing	Carbonized fiber	4 or 5
110	Gland Bolt	Brass	2
091	Gland	Brass	1

Pump Model:
80x65 FSJA, FSKA;
100x65 FSKA;
100x80 FSHA, FSJA, FSGCA, FSHCA
125x100 FSJCA, FSKA;
150x125 FSHA, FSJA;
200x150 FSHA, FSKA.



EBARA



Ishizue

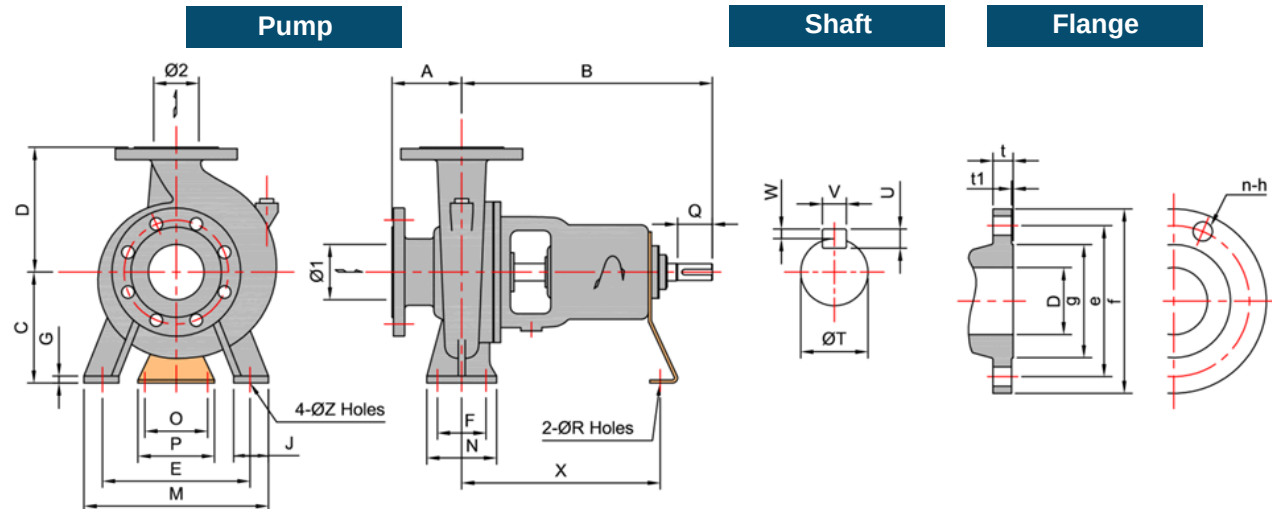
FSA

EBARA End Suction Volute Pump

50 Hz



Dimension



Flanges Dimensions (JIS10K RF)

D mm	f mm	e mm	g mm	t1 mm	t mm	n	h mm
40	140	105	81	2	20	4	19
50	155	120	96	2	20	4	19
65	175	140	116	2	22	4	19
80	185	150	126	2	22	8	19
100	210	175	151	2	24	8	19
125	250	210	182	2	24	8	23
150	280	240	212	2	26	8	23
200	330	290	262	2	26	12	23

Flanges Dimensions (JIS16K RF)

D mm	f mm	e mm	g mm	t1 mm	t mm	n	h mm
65	175	140	116	2	22	8	19
100	225	185	160	2	26	8	23
150	305	260	230	2	28	12	25
200	350	305	275	2	30	12	25
250	430	380	345	2	34	12	27

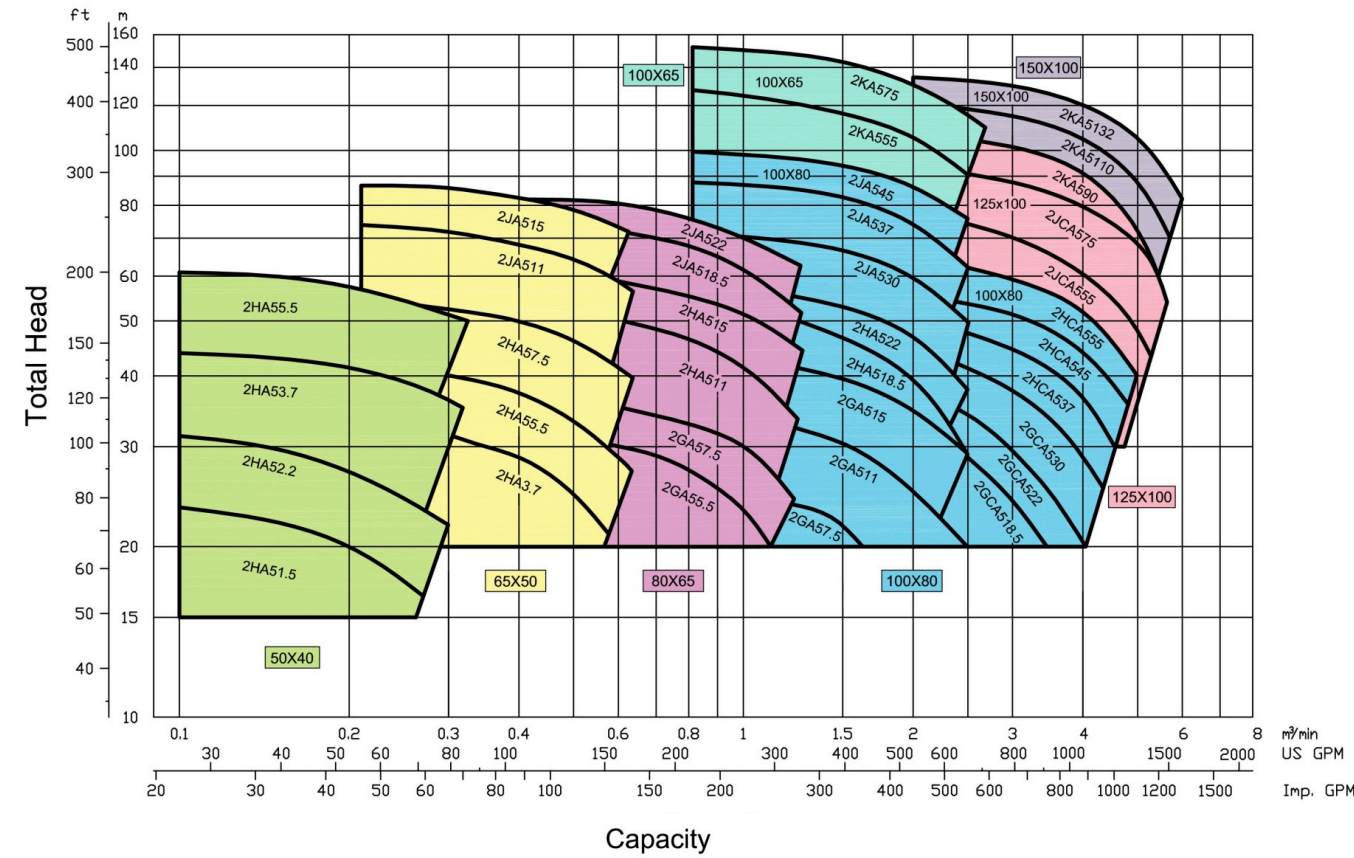
MODEL	SIZE		FLANGE STANDARD	PUMP																	SHAFT							Wt Kg
	φ1	φ2		A	B	C	D	E	F	G	J	M	N	O	P	R	X	Z	T	Q	U	V	W					
50x40 FSHA	50	40	JIS 10K	80	360	160	180	190	70	12	50	240	100	110	150	17	285	15	24	50	7	8	4	37				
65x50 FSHA	65	50	JIS 10K	100	360	160	180	212	70	12	50	265	100	110	150	17	285	15	24	50	7	8	4	42				
65x50 FSJA				100	360	180	225	250	95	14	65	320	125	110	150	17	285	15	24	50	7	8	4	49				
80x65 FSGA	80	65	JIS 10K	100	360	160	180	212	70	12	50	265	100	110	150	17	285	15	24	50	7	8	4	39				
80x65 FSHA				100	360	160	200	212	70	12	50	265	100	110	150	17	285	15	24	50	7	8	4	48				
80x65 FSJA				100	350	180	225	250	95	14	65	320	125	110	150	17	285	15	32	80	8	10	5	60				
80x65 FSKA				125	470	225	280	315	120	16	80	400	160	110	150	17	370	19	32	80	8	10	5	108				
100x65 FSKA	100	65	JIS 16K	125	360	225	280	315	120	16	80	400	160	110	150	17	285	19	38	80	8	10	5	106				
100x80 FSGA				100	360	160	200	212	95	14	65	280	125	110	150	17	285	15	24	50	7	8	4	49				
100x80 FSHA	100	80	JIS 10K	100	360	180	225	250	95	15	65	320	125	110	150	17	285	15	32	80	8	10	5	62				
100x80 FSJA				100	360	200	250	280	120	15	80	360	160	110	150	17	285	19	32	80	8	10	5	70				
100x80 FSGCA				125	360	180	225	250	95	14	65	320	125	110	150	17	285	15	32	80	8	10	5	62				
100x80 FSHCA				125	360	180	250	280	95	14	65	345	125	110	150	17	285	15	32	80	8	10	5	65				
125x100 FSJCA	125	100	JIS 10K	140	360	225	280	315	120	16	80	400	160	110	150	17	285	19	38	80	8	10	5	108				
125x100 FSKA				140	470	250	315	315	120	16	80	400	160	110	150	17	370	19	32	80	8	10	5	128				
125x100 FSLA				140	530	280	355	400	150	20	100	500	200	110	150	17	370	24	42	110	8	12	5	168				
150x100 FSKA	150	100	JIS 16K	140	530	250	315	315	120	16	80	400	160	90	120	15	373	19	42	95	8	12	5	146				
150x100 FSNA				180	670	375	450	450	150	20	100	550	200	140	180	19	500	24	48	110	9	14	5.5	365				
150x125 FSHA	150	125	JIS 10K	140	470	250	315	315	120	16	80	400	160	110	150	17	370	19	32	80	8	10	5	120				
150x125 FSJA				140	470	250	355	315	120	16	80	400	160	110	150	17	370	19	32	80	8	10	5	128				
150x125 FSKA				140	530	280	355	400	150	16	100	500	200	110	150	17	370	24	42	110	8	12	5	170				
150x125 FSLA				140	530	315	400	400	150	20	100	500	200	110	150	17	370	24	42	110	8	12	5	205				
200x150 FSHA	200	150	JIS 10K	160	470	280	355	400	150	18	100	500	200	110	150	17	370	24	32	80	8	10	5	137				
200x150 FSJA				160	530	280	375	400	150	18	100	500	200	110	150	17	370	24	42	110	8	12	5	183				
200x150FSKA				160	670	315	400	450	150	20	100	550	200	140	180	19	500	24	48	110	9	14	5.5	222				
200x150 FSLA				162	670	315	450	450	150	20	100	550	200	140	180	19	500	24	48	110	9	14	5.5	336				
200x150 FSNA	200	150	JIS 16K	182	670	375	560	450	150	20	100	550	200	140	180	19	500	24	60	110	11	18	7	488				
250x200 FSLA				180	670	385	560	560	250	25	100	660	315	140	180	19	500	24	60	110	11	18	7	505				
250x200 FSNA	200	820	435	630	560	250	25	100	660	315	160	200	19	630	27	74	125	12	20	8	642							

• The dimension may change without any prior notice, please Contact Us for confirmation and more detail.

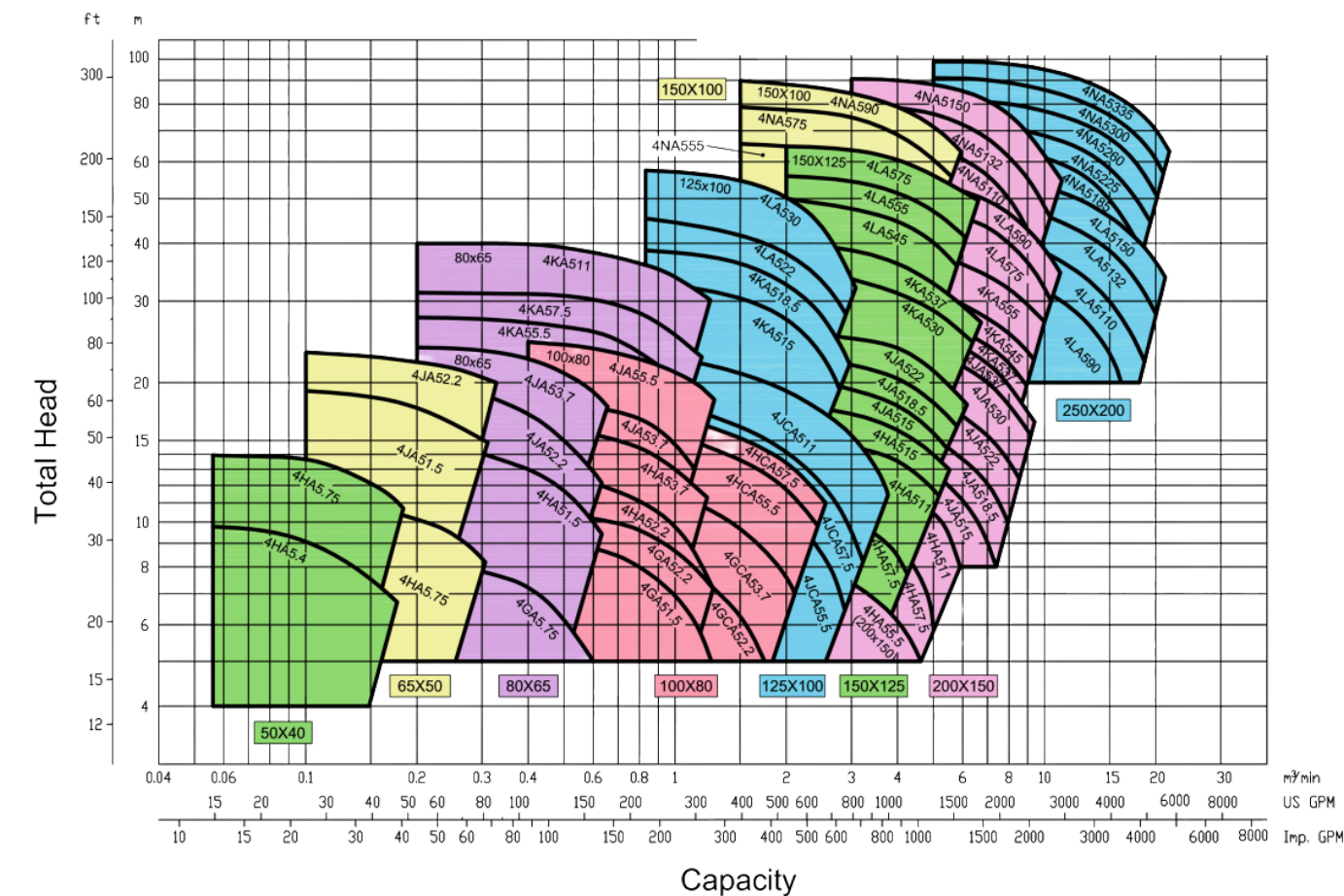
(Unit : mm, unless otherwise stated)

Selection Chart

Synchronous Speed: 3000min⁻¹



Synchronous Speed: 1500min⁻¹



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