

FPX



FPES

End Suction Pump

DESIGN & FEATURES

FPES pumps are end suction back pull out centrifugal pumps which are designed complying to BSEN 733 / DIN 24255 standard. This series of pumps are built with the highest level of flexibility & modularity. They are ideal for handling water in various industrial & commercial applications. Bearing lubrication can be offered with oil as well as grease.



APPLICATIONS



Water and
wastewater



General
industry



Irrigation

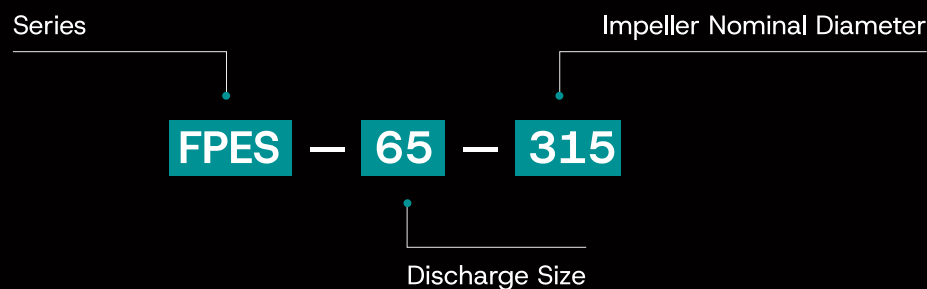


Power
generation



Fire
Fighting

MODEL NOMENCLATURE



DESIGN & STRUCTURE

DESIGN	Performance and dimensions as per BSEN 733/ DIN 24255
STRUCTURE	Horizontal, End Suction, Single Suction, Volute Casing
DN (MM)	Suction Size: 50–350 Discharge Size: 32–300
FLANGE	DIN 2501, PN 16

MATERIAL

CASING	Cast Iron, Stainless Steel
IMPELLER	Cast Iron, Bronze, Stainless Steel
SHAFT	Stainless Steel

OPERATING DATA

DN (MM)	Up to 300 (12 inches)
FLOW RATE (Q)	Up to 1500 m³/ hr (6600 US gpm)
HEAD (H)	Up to 160 m (520 ft)
PRESSURE	Up to PN16
LIQUID TEMPERATURE	Up to 105 °C (220 F)
SPEED	Up to 2900 rpm (up to 3600 rpm)

PART DETAILS

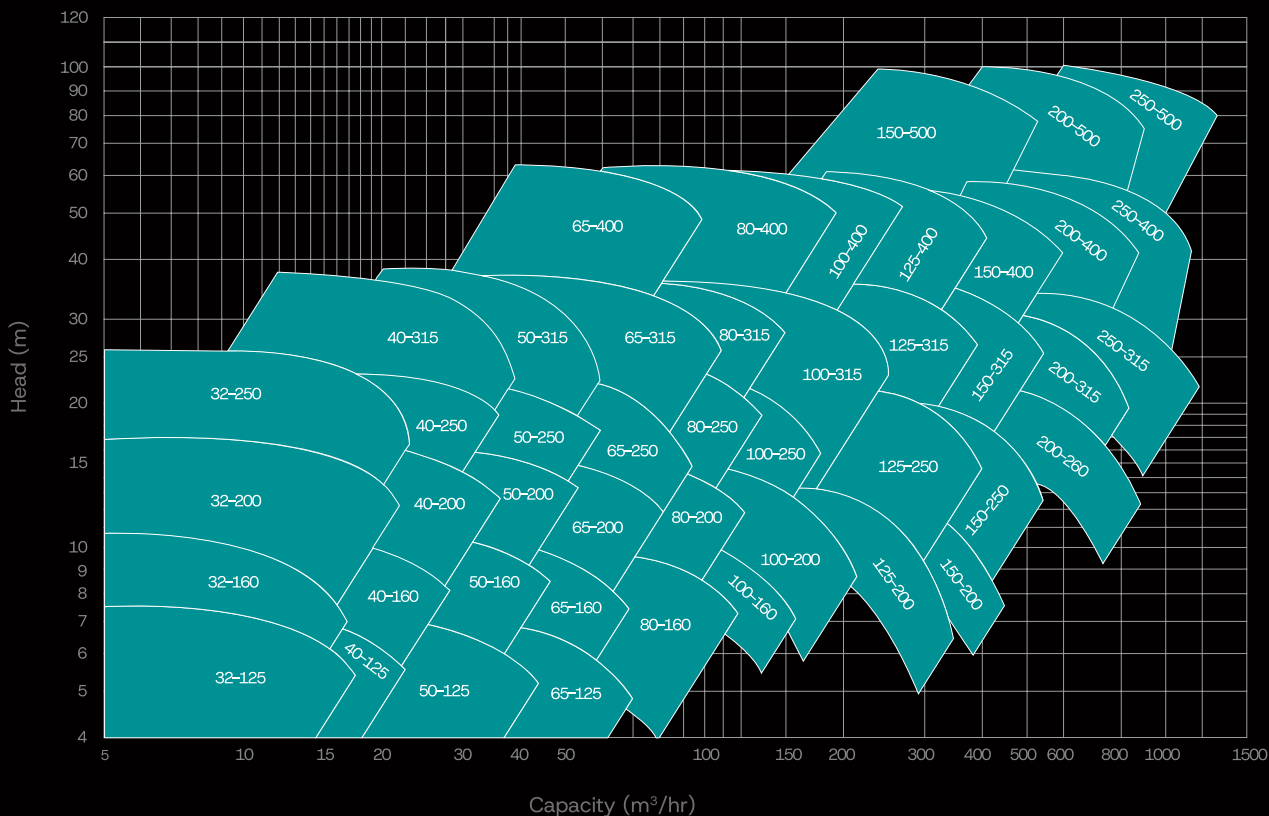


PART NO.	PART NAME
1	PUMP CASING
2	IMPELLER NUT
3	WEAR RING
4	IMPELLER
5	CASING COVER
6	SHAFT SPACER
7	MECHANICAL SEAL
8	SEAL COVER
9	RUBBER SLINGER
10	BEARING FRAME
11	SHAFT
12	BEARING
13	BEARING COVER
14	SUPPORT FOOT
15	PACKING SLEEVE
16	PACKING SEAL CAGE
17	GLAND PACKING

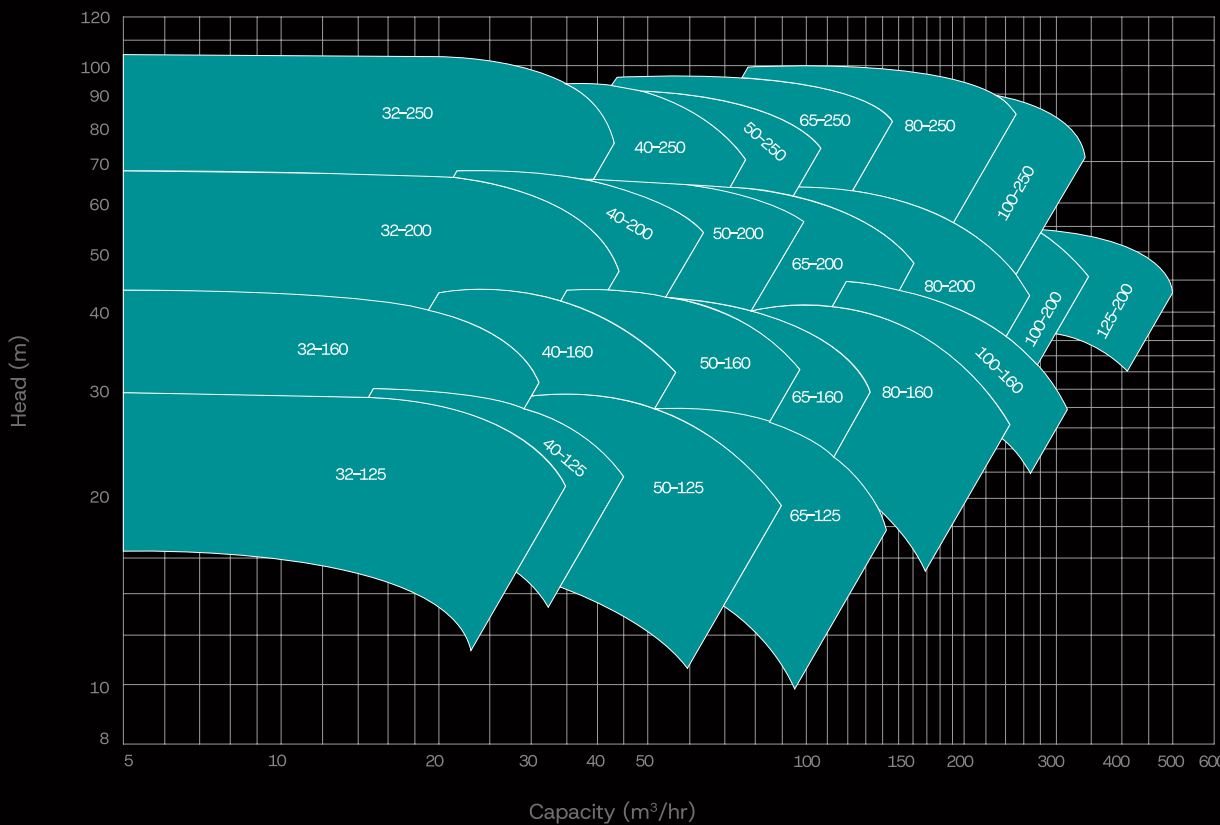
PART NO.	PART NAME
18	GLAND COVER
19	CASING GASKET
20	NUT
21	NUT
22	NUT
23	KEY
24	KEY
25	BOLT
26	OIL NIPPLE
27	OIL SEAL
28	NUT
29	WASHER
30	WASHER
31	OIL SCALE
32	OIL COVER
33	BEARING COVER GASKET

50 HZ PERFORMANCE

1450 rpm

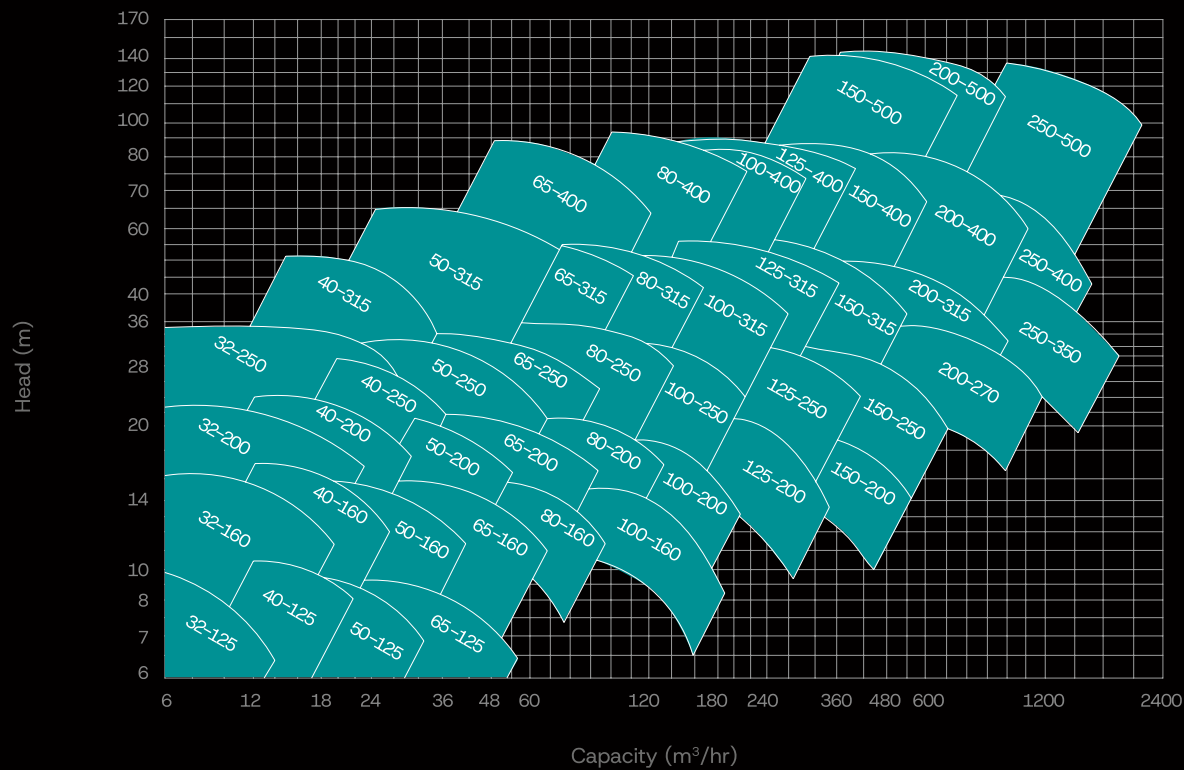


2900 rpm

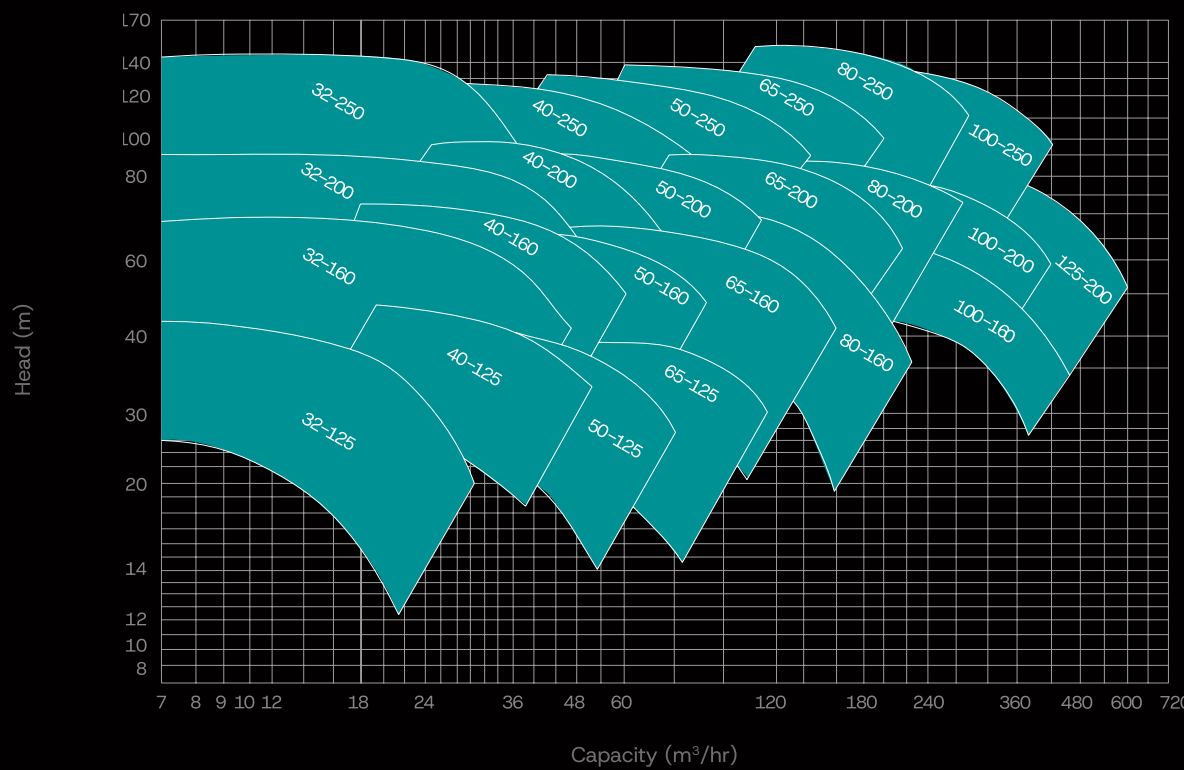


60 HZ PERFORMANCE

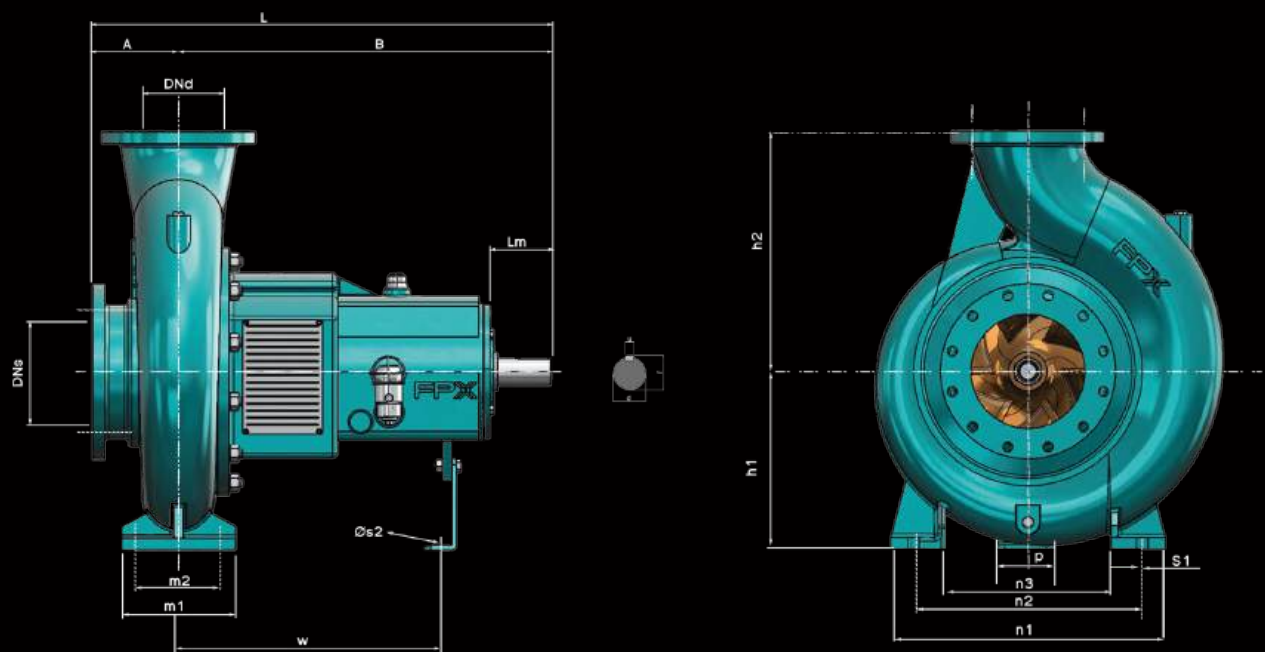
1750 rpm



3500 rpm



FPES DIMENSIONAL DETAILS



DIMENSIONS																								
PUMP TYPE		OUTSIDE DIMENSIONS								SUPPORT & FOOT DIMENSIONS								DIMENSIONS					WEIGHT	
EN733	Other	Dns	Dnd	A	B	L	H	h1	h2	n1	n2	n3	s1	p	s2	m1	m2	W	d	Lm	t	u	(kg)	
32-125		50	32	80	360	440	252	112	140	190	140	90	14	110	14	100	70	260	24	50	27	8	32	
32-160				80	360	440	292	132	160	240	190	140	14	110	14	100	70	260	24	50	27	8	39	
32-200				80	360	440	340	160	180	240	190	140	14	110	14	100	70	260	24	50	27	8	41	
	32-250			100	360	460	405	180	225	320	250	190	14	110	14	125	95	260	24	50	27	8	53	
40-125		65	40	80	360	440	252	112	140	210	160	110	14	110	14	100	70	260	24	50	27	8	33	
40-160				80	360	440	292	132	160	240	190	140	14	110	14	100	70	260	24	50	27	8	40	
40-200				100	360	460	340	160	180	265	212	165	14	110	14	100	70	260	24	50	27	8	45	
40-250				100	360	460	405	180	225	320	250	190	14	110	14	125	95	260	24	50	27	8	57	
	40-315	65	50	100	360	460	450	200	250	345	280	190	14	110	14	125	95	260	24	50	27	8	67	
50-125				100	360	460	292	132	160	240	190	140	14	110	14	100	70	260	24	50	27	8	34	
50-160				100	360	460	340	160	180	265	212	165	14	110	14	100	70	260	24	50	27	8	42	
50-200				100	360	460	360	160	200	265	212	165	14	110	14	100	70	260	24	50	27	8	48	
50-250		80	65	100	360	460	405	180	225	320	250	190	14	110	14	125	95	260	24	50	27	8	57	
	50-315			125	470	595	505	225	280	345	280	190	19	110	14	125	95	340	32	80	35	10	90	
65-125				100	360	460	340	160	180	280	212	150	14	110	14	125	95	260	24	50	27	8	40	
65-160				100	360	460	360	160	200	280	212	150	14	110	14	125	95	260	24	50	27	8	46	
65-200		100	80	100	360	460	405	180	225	320	250	190	14	110	14	125	95	260	24	50	27	8	51	
65-250				100	470	570	450	200	250	360	280	200	19	110	14	160	120	340	32	80	35	10	90	
65-315				125	470	595	505	225	280	400	315	240	19	110	14	160	120	340	32	80	35	10	105	
	65-400			125	470	595	615	260	355	435	355	275	19	110	14	160	120	340	32	80	35	10	130	
80-160		100	80	125	360	485	405	180	225	320	250	190	14	110	14	125	95	260	24	50	27	8	49	
80-200				125	470	595	430	180	250	345	280	215	14	110	14	125	95	340	32	80	35	10	63	
80-250				125	470	595	480	200	280	400	315	240	19	110	14	160	120	340	32	80	35	10	95	
80-315				125	470	595	585	250	315	400	315	240	19	110	14	160	120	340	32	80	35	10	125	
	80-400	125	100	125	530	655	635	280	355	440	355	270	14	110	14	160	130	344	42	110	45	12	177	
	100-160			125	470	595	480	200	280	360	280	200	19	110	14	160	120	340	32	80	35	10	80	
100-200				125	470	595	480	200	280	360	280	200	19	110	14	160	120	340	32	80	35	10	87	
100-250				140	470	610	505	225	280	400	315	240	19	110	14	160	120	340	32	80	35	10	100	
100-315		150	125	140	470	610	565	250	315	400	315	240	19	110	14	160	120	340	32	80	35	10	130	
100-400				140	530	670	635	280	355	500	400	300	22	110	14	200	150	370	42	110	45	12	182	
	125-200			140	470	610	565	250	315	400	315	240	19	110	14	160	120	340	32	80	35	10	97	
125-250				140	470	610	605	250	355	400	315	240	19	110	14	160	120	340	32	80	35	10	110	
125-315		200	150	140	470	610	635	280	355	500	400	300	22	110	14	200	150	370	42	110	45	12	191	
125-400				140	530	670	715	315	400	500	400	300	22	110	14	200	150	370	42	110	45	12	232	
	150-200			160	470	630	635	280	355	500	400	300	22	110	14	200	150	340	32	80	35	10	150	
	150-250			160	470	630	655	280	375	500	400	300	22	110	14	200	150	340	32	80	35	10	160	
150-315		250	200	160	530	690	680	280	400	550	450	350	22	110	14	200	150	370	42	110	45	12	192	
150-400				160	530	690	765	315	450	550	450	350	22	110	14	200	150	370	42	110	45	12	230	
	150-500			200	730	930	925	400	525	720	600	435	27	140	20	250	220	495	55	110	59	16	480	
200-260				200	610	810	805	355	450	600	500	360	23	140	20	250	200	410	42	110	45	12	280	
200-315		300	250	200	610	810	805	355	450	600	500	360	23	140	20	250	200	410	42	110	45	12	300	
200-400				180	725	905	900	400	500	600	500	360	23	140	20	250	200	490	55	110	59	16	360	
200-500				210	925	1135	925	400	525	720	600	435	27	140	20	300	200	640	70	140	74.5	20	640	
250-315				230	740	970	925	400	525	720	600	435	27	140	20	300	240	520	55	110	59	16	390	
250-400		300	250	230	750	980	925	400	525	720	600	435	27	140	20	300	240	530	55	110	59	16	460	
250-500				225	940	1165	1080	450	630	720	600	435	27	140	20	300	240	670	70	140	74.5	20	660	



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