

DSE SERIES PUMP



The **Davies Pumps DSE series** are rugged, strong and reliable single impeller end suction pumps with flange mounts.

They are, ideal for applications such as closed loop chiller circuits, cooling towers, dairy sheds and wash-down.

Motor Features:

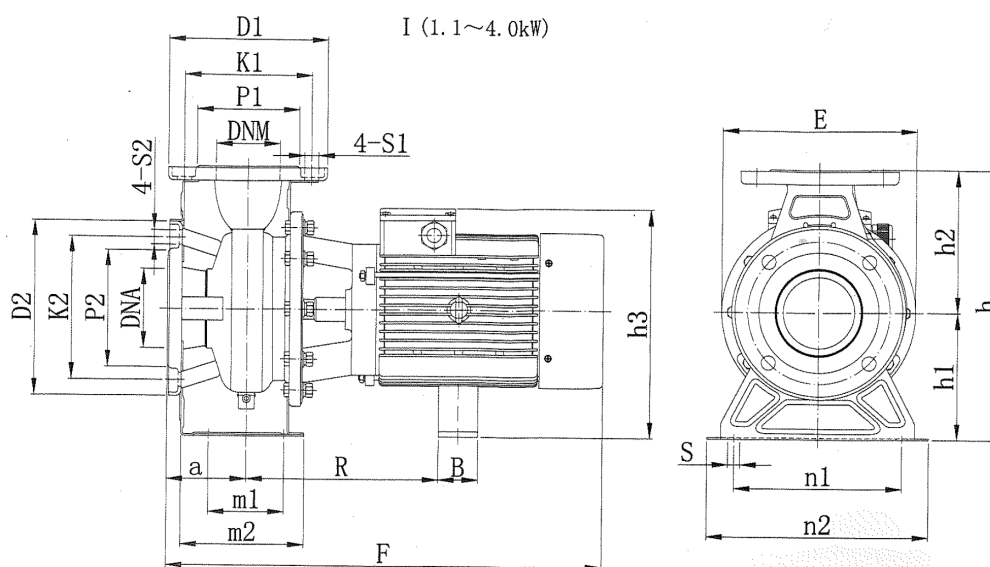
- Close coupled, fan cooled motor with IP55 protection, two pole, class F insulation.
- Three-phase with compulsory protection to be provided by the user.
- Continuous duty.

Technical Features:

- Three series in the range – 32, 40 and 50.
- PN16 standard flanges.
- Max pumped liquid temp: 110°C.
- Max ambient temp: 40°C.
- Max working pressure: 10bar.
- Pump body: 316 Stainless Steel
- Motor bracket: Cast Iron.
- Impeller: 316 Stainless Steel
- Mechanical seal: Carbon/Silicon/Viton
- Casing oring: Viton
- DIN/EN 733 standard

DSE 32

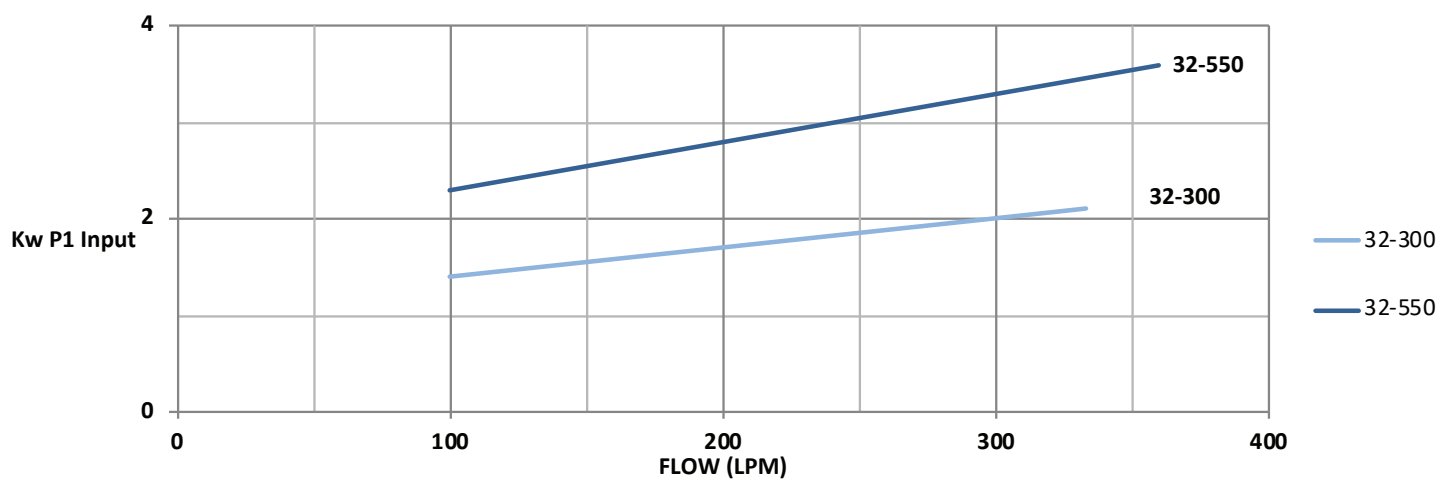
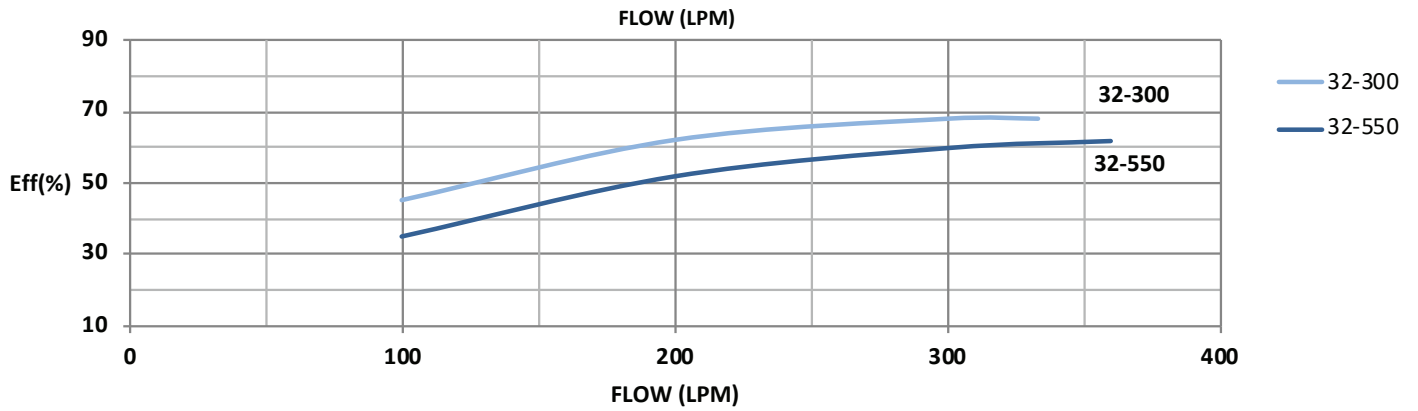
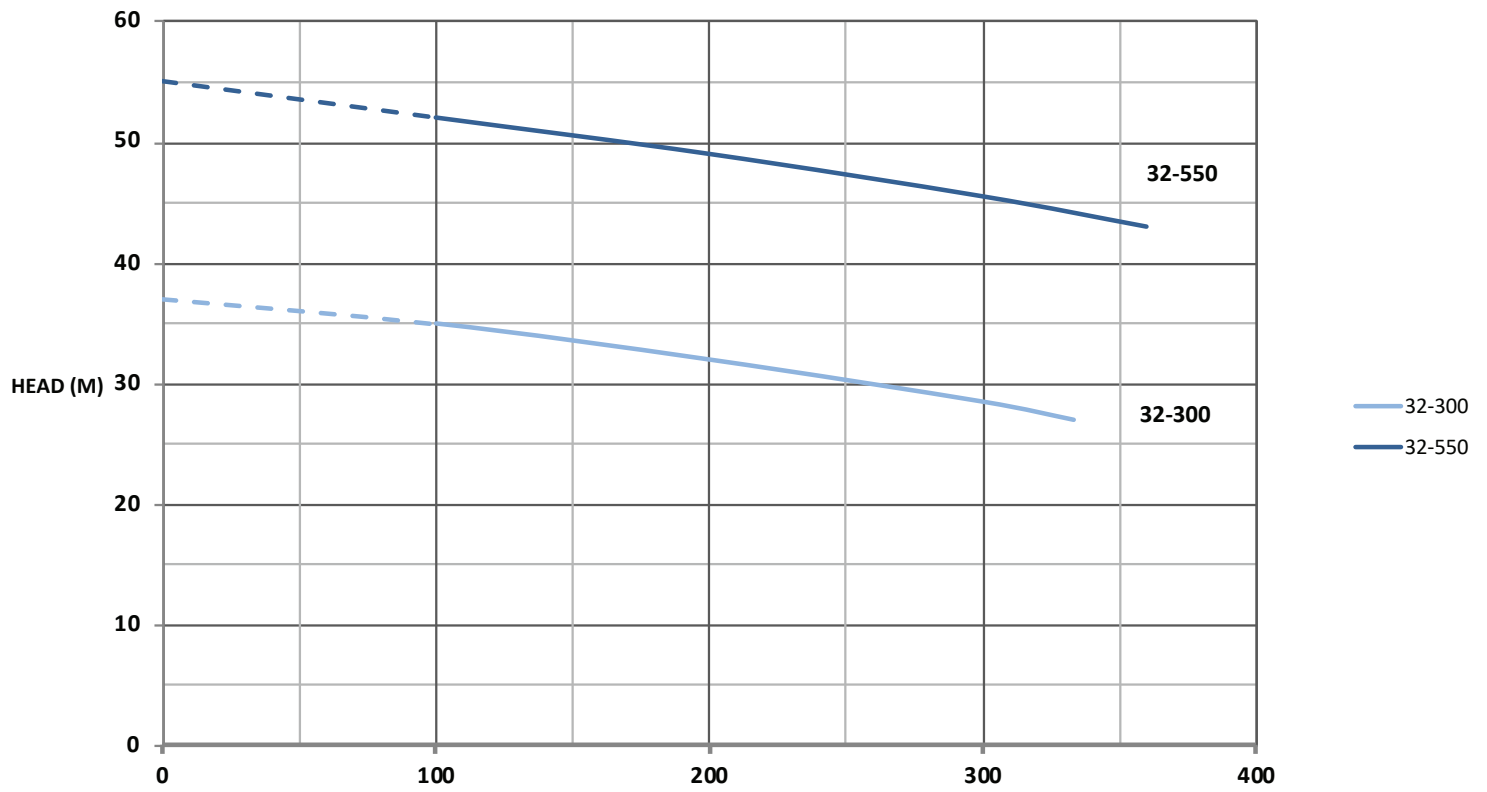
Motor Details	
Type	Asynchronous, squirrel cage type, totally enclosed with external ventilation
Insulation	Class F
Protection	IP55
Overload protection	No overload included – to be supplied by user
Maximum operating temperature	+40°C Ambient
Rotation	Counter clock wise – pump end view
Duty	Continuous
Nominal Speed	2 Pole - 2900RPM
Pump Body	316 Stainless Steel
Impeller	316 Stainless Steel
Mechanical seal	Carbon/Silicon/Viton



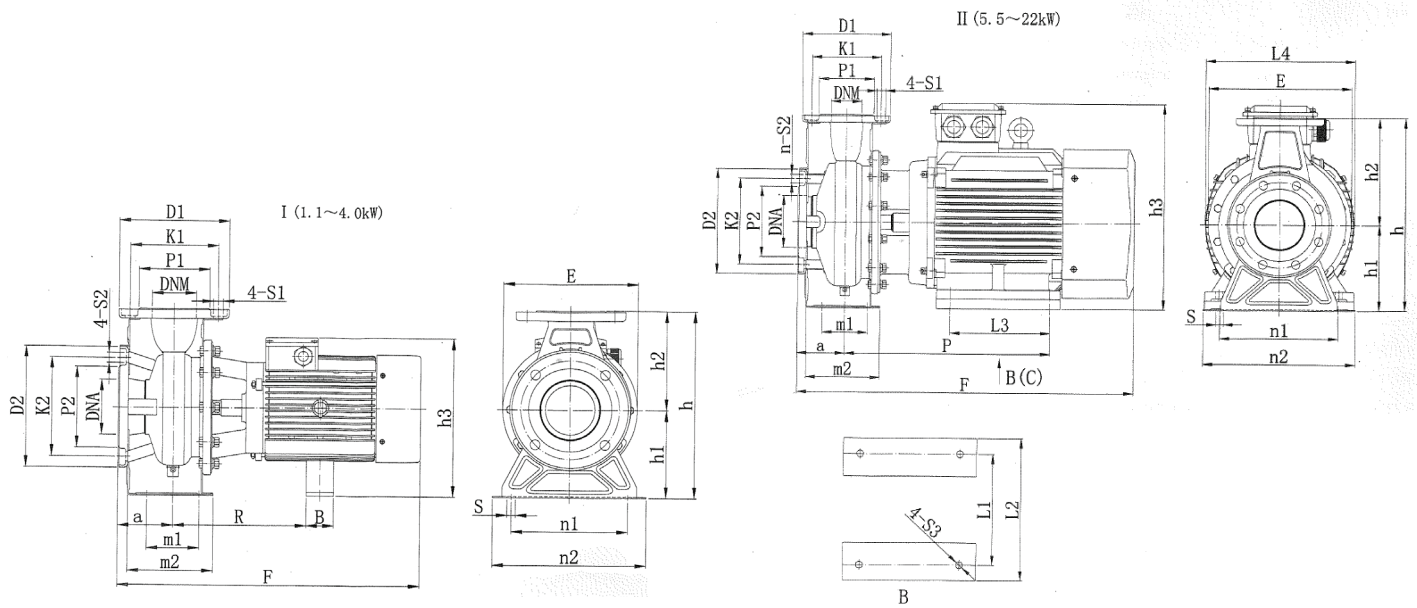
DSE 32						
Model	Hp	KW	Phase	Voltage	Full load amps	
					230V	400V
DSE 32-300	3	2.2	3	230/400	7.8	4.5
DSE 32-550	5.5	4	3	400		7.6

DSE 32								
Model	M3/H	0	6	9	12	18	20	22
	LPM	0	100	150	200	300	333	360
DSE 32-300	H (m)	37	33.5	32.5	32	28.5	27	21.5
DSE 32-550		55	51	50	49	46	45	43

DSE 32 Dimensions																									
Model	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	B	R	D2	K2	P2	S2	D1	K1	P1	S1	DNA	DNM	Kg
DSE 32-300	244	493	292	132	160	253	80	70	123	190	240	15	43	223	165	125	99	18	140	100	76	18	50	32	30
DSE 32-550	295	518	340	160	180	288	80	70	124	190	240	15	50	231	165	125	99	18	140	100	76	18	50	32	43



DSE 40



DSE 40

Model	Hp	KW	Phase	Voltage	Full load amps	
					230V	400V
DSE 40-200	3	2.2	3	230/400	10.2	5.9
DSE 40-400	4	3	3	230/400	10.2	5.9
DSE 40-750	7.5	5.5	3	400		10.4

DSE 40

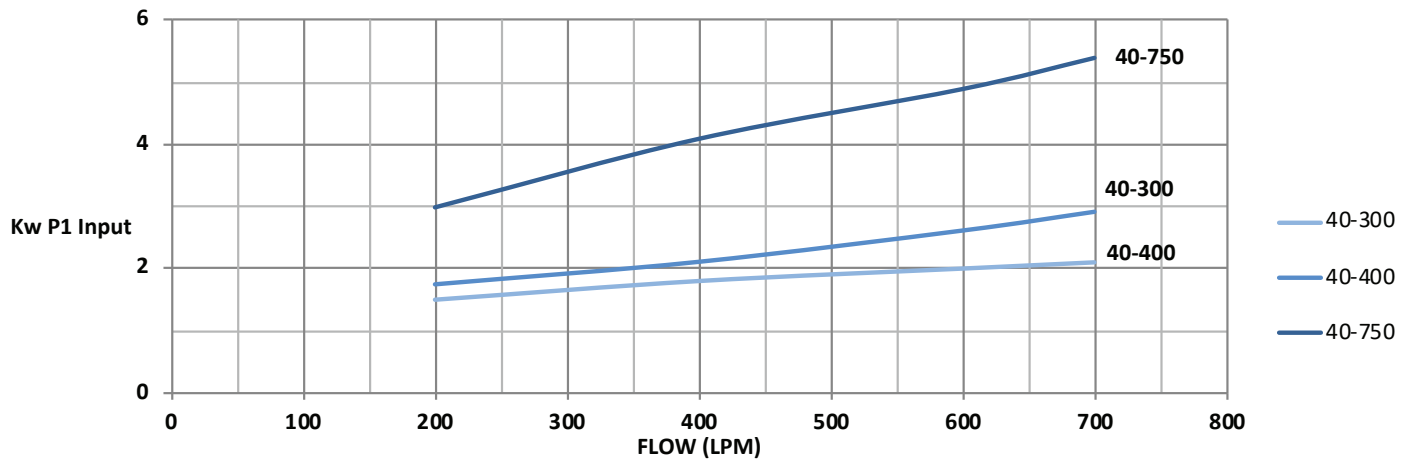
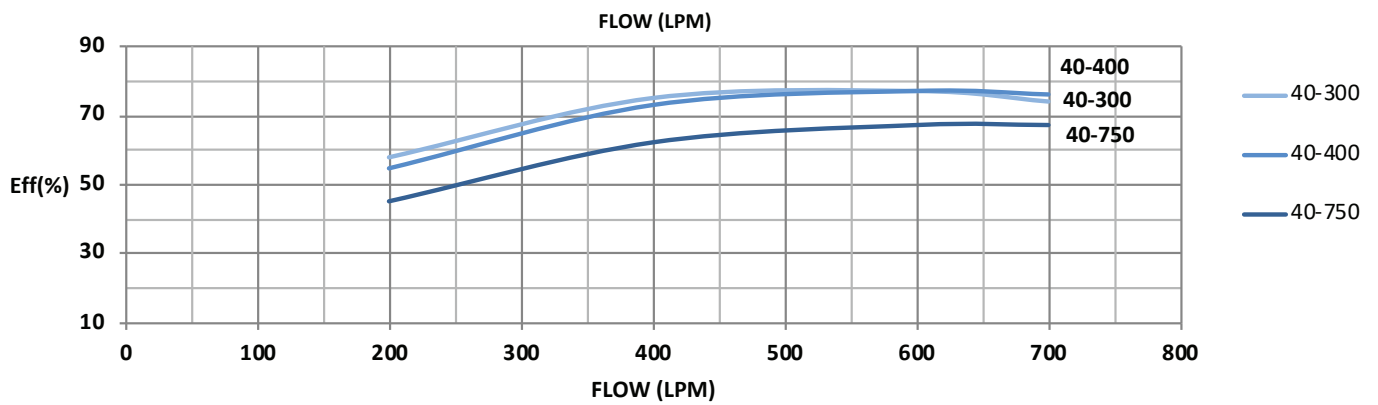
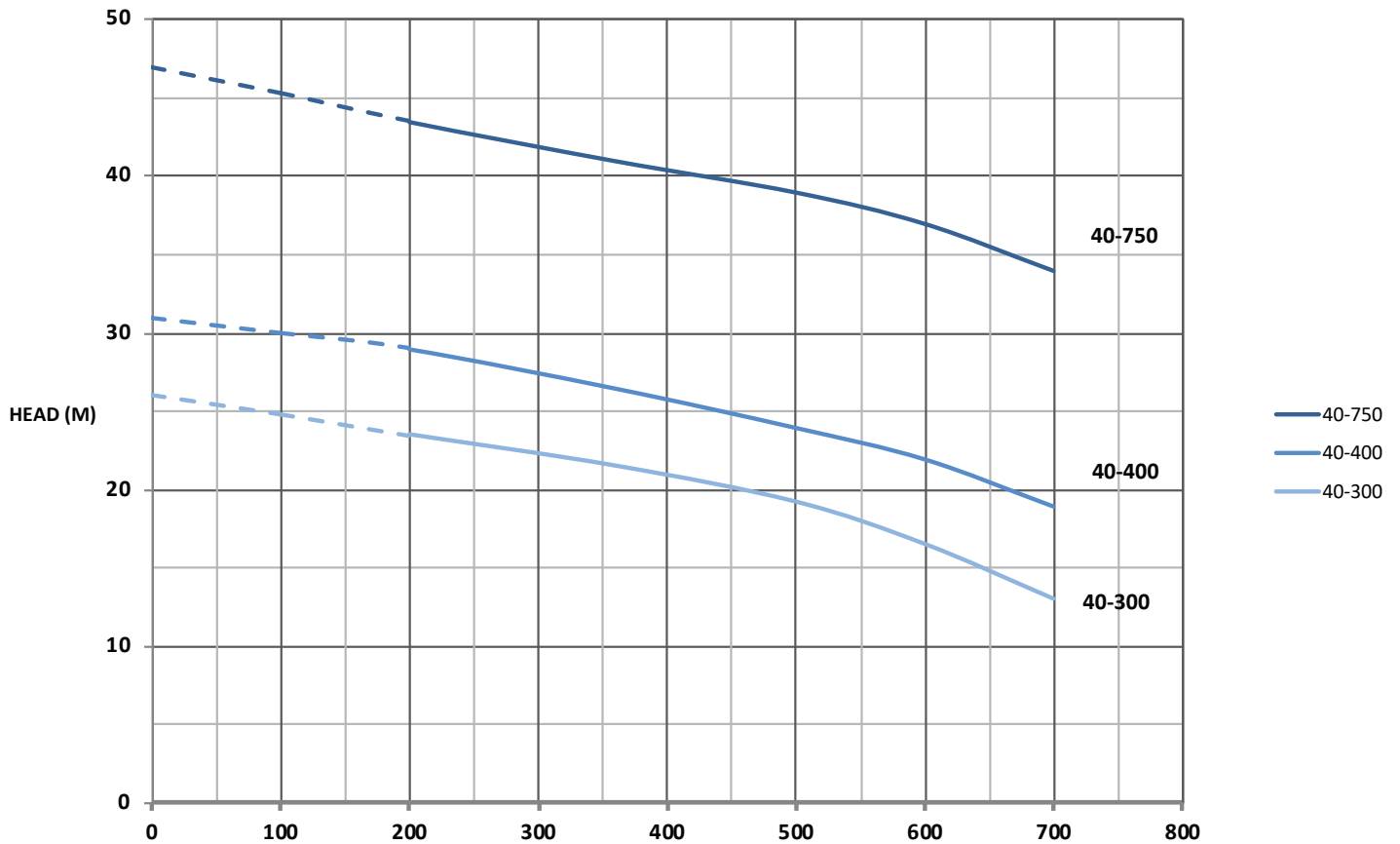
Model	M3/H	0	6	9	12	18	20	22	24	27	30	36	42
	LPM	0	100	150	200	300	333	360	400	450	500	600	700
DSE 40-300	H (m)	26			23.5	22.5	22	21.5	21	20.5	19.5	16.5	13
DSE 40-400		31			29	27.5	27	26.5	25.5	25	24	22	19
DSE 40-750		47			43	42.5	42	41.5	41	40.5	39	37	33

DSE 40-300/400 Dimensions

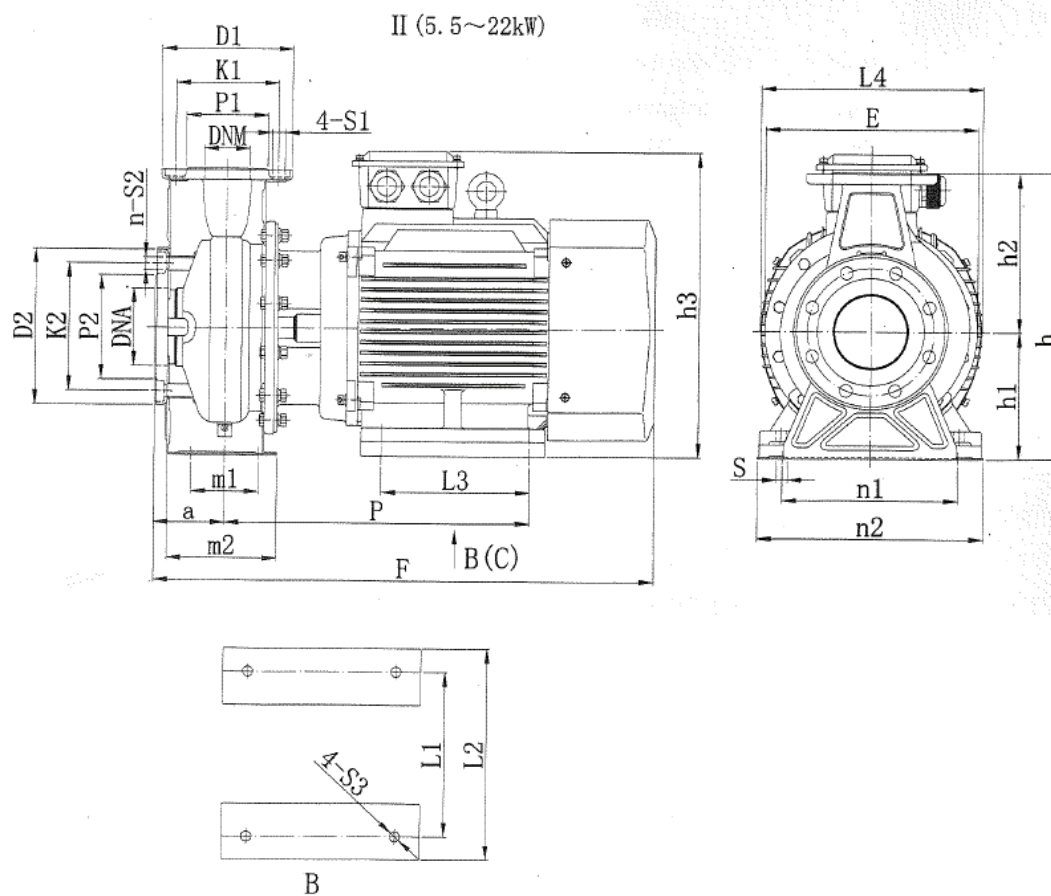
Model	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	B	R	n	D2	K2	P2	S2	D1	K1	P1	S1	DNA	DNM	Kg
DSE 40-300	209	478	252	112	140	233	80	70	121	160	210	15	43	203	4	185	145	118	18	150	110	84	18	65	40	29
DSE 40-400	244	518	292	132	160	260	80	70	123	190	240	15	50	231	4	185	145	118	18	150	110	84	18	65	40	35

DSE 40-750 Dimensions

Model	E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	P	L1	L2	L3	L4	S3	n	D2	K2	P2	S2	D1	K1	P1	S1	DNA	DNM	Kg
DSE 40-750	295	595	340	160	180	329	100	70	146	212	265	15	342	216	248	140	255	12	4	185	145	118	18	150	110	84	18	65	40	66



DSE 50



DSE 50

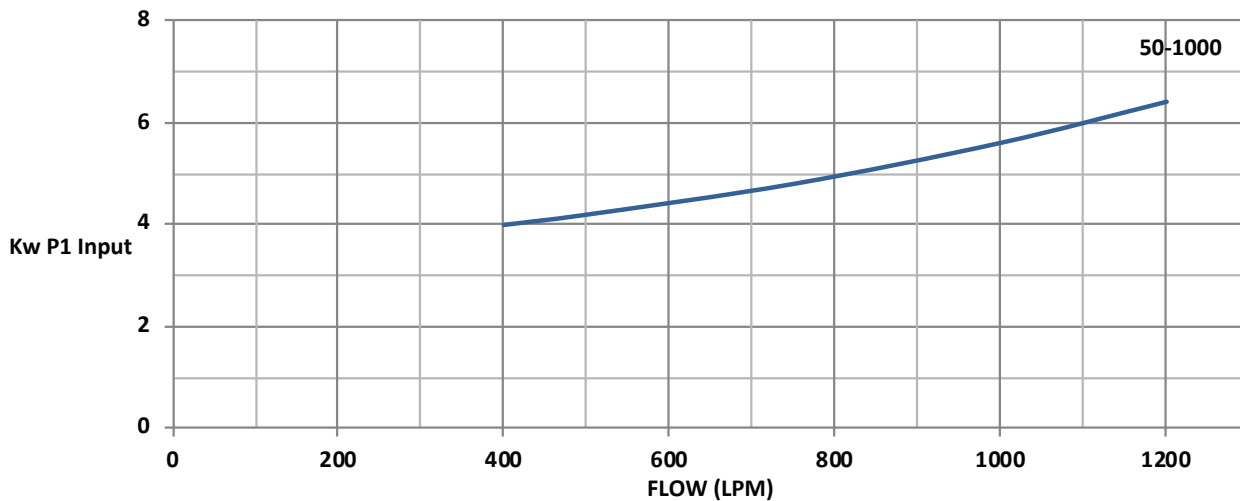
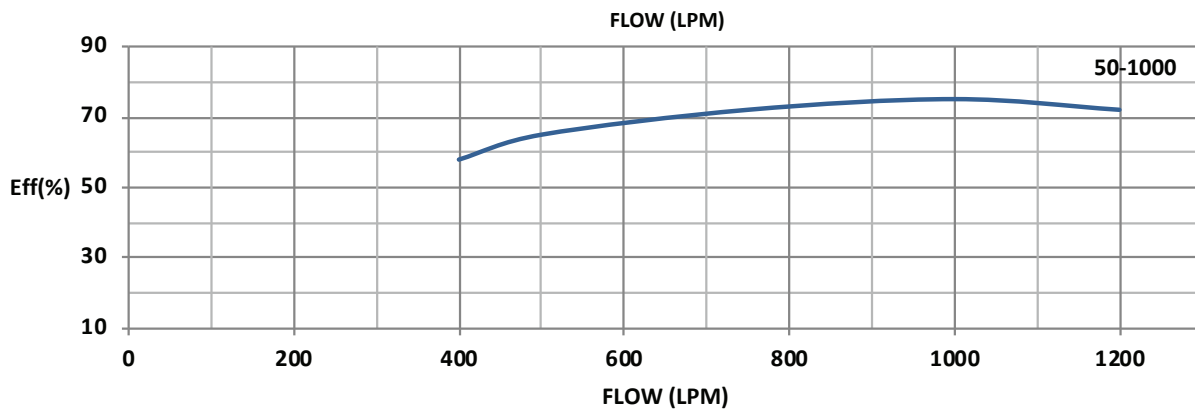
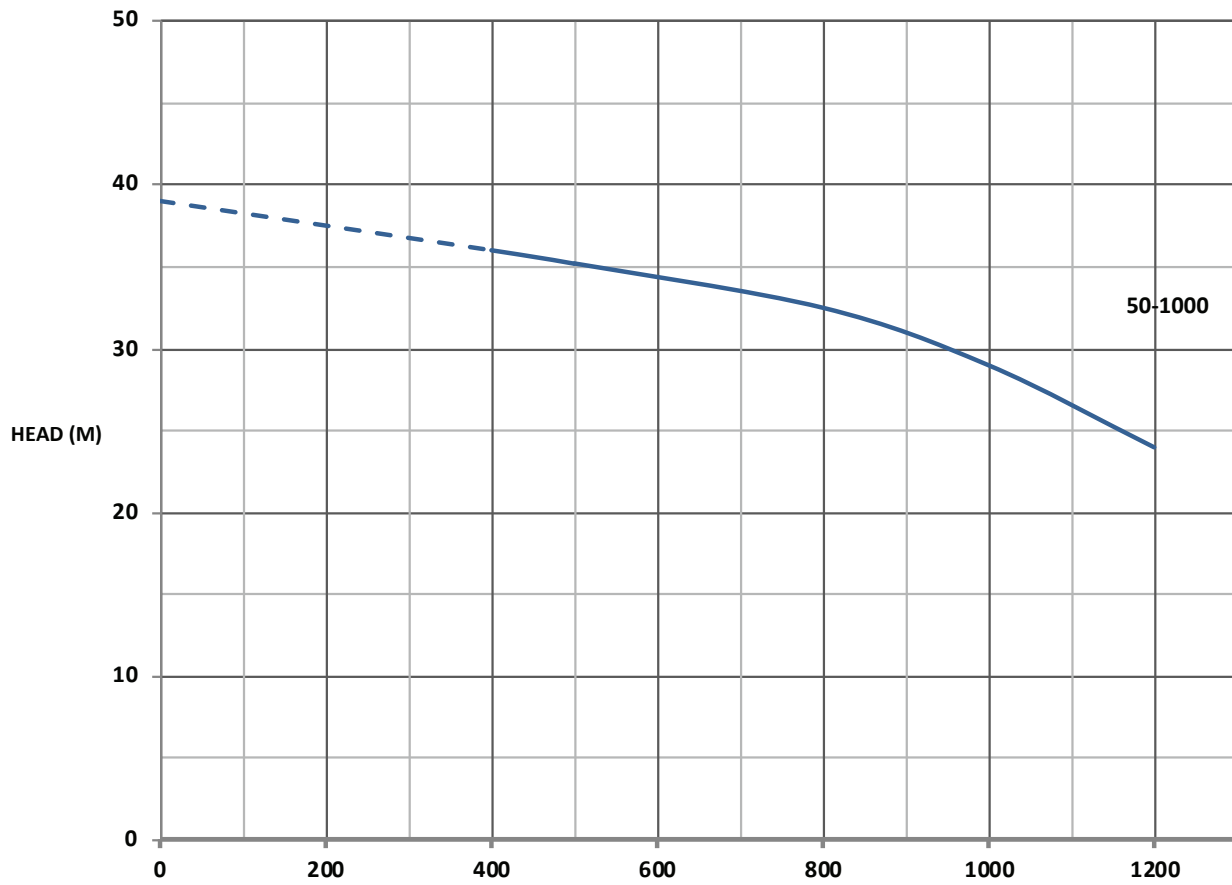
Model	Hp	KW	Phase	Voltage	Full load amps	
					230V	400V
DSE 50-1000	10	7.5	3	400	-	13.8

DSE 50

Model	M3/H	0	6	9	12	18	20	22	24	27	30	36	42	48	60	7
	LPM	0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200
DSE 50-1000	H (M)								36	35	34.5	34	33.5	32.5	29	24

DSE 50 Dimensions

E	F	h	h1	h2	h3	a	m1	m2	n1	n2	S	P	L1	L2	L3	L4	S3	n	D2	K2	P2	S2	D1	K1	P1	S1	DNA	DNM	Kg
246	595	340	160	180	329	100	70	146	212	265	15	350	216	248	140	255	12	4	185	145	118	18	165	125	100	18	65	50	65





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