

Submersible Non-Clog Pumps

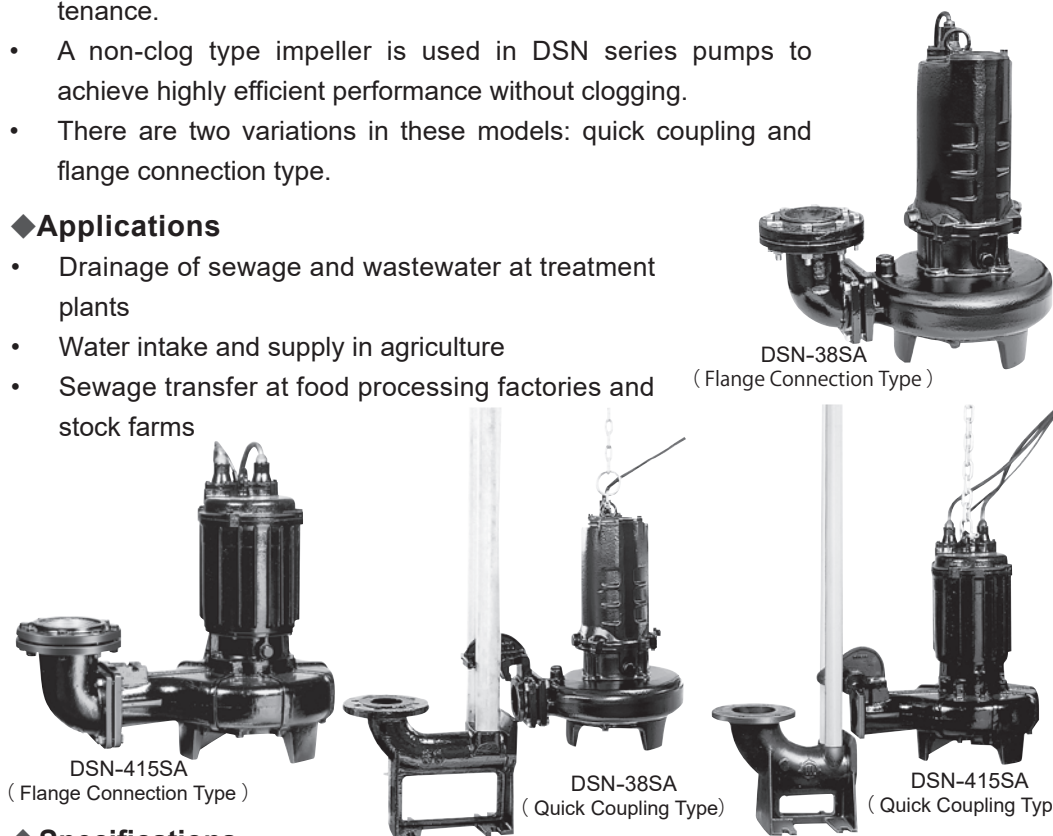
DSN Series (built-to-order)

#NonClog / #SewageHandling / #QuickCoupling

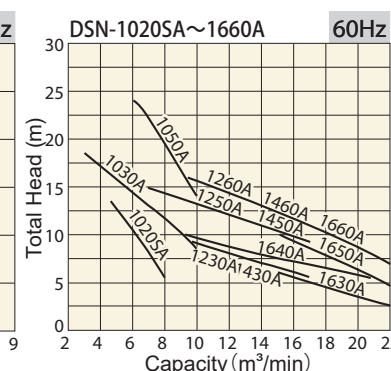
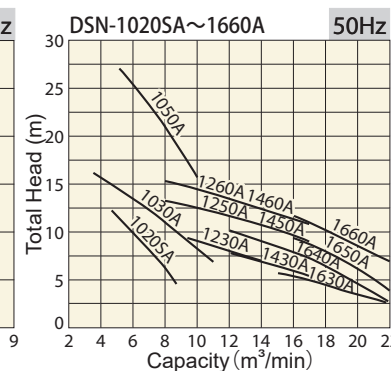
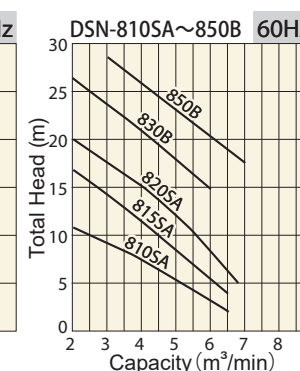
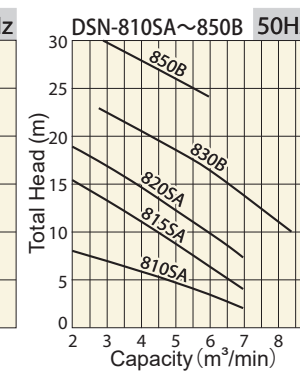
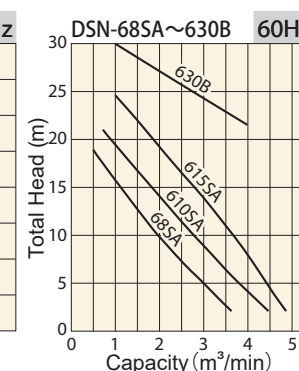
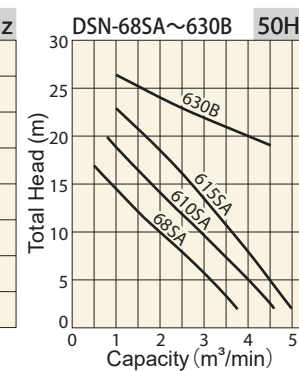
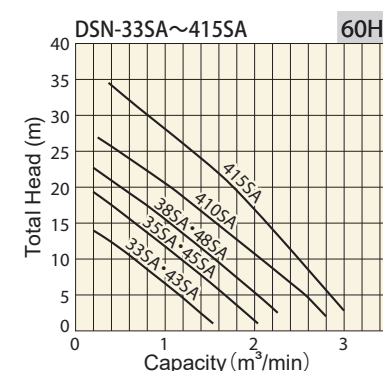
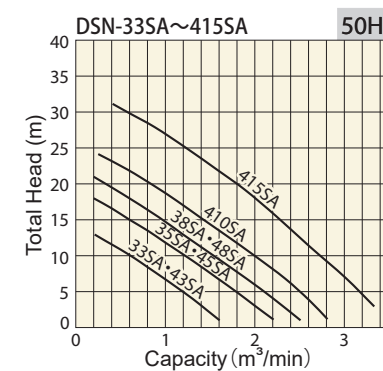
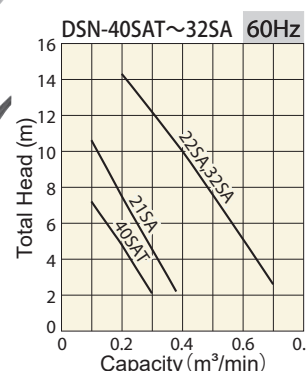
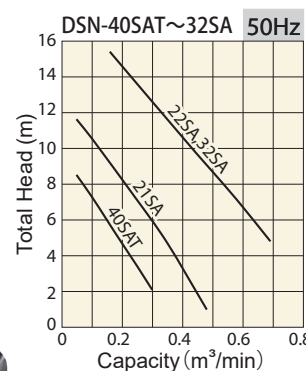
- DSN series pumps ideally solve the problems of pump noise, odor and breakdown caused by clogging and entwining.
- DSN series pumps are designed for easy inspection and maintenance.
- A non-clog type impeller is used in DSN series pumps to achieve highly efficient performance without clogging.
- There are two variations in these models: quick coupling and flange connection type.

Applications

- Drainage of sewage and wastewater at treatment plants
- Water intake and supply in agriculture
- Sewage transfer at food processing factories and stock farms



Performance Curve



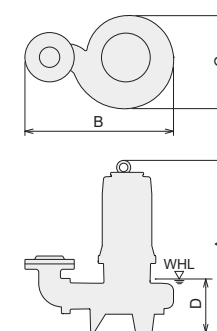
Specifications

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	50Hz		60Hz		Max Solid Through (mm)	Width (mm)	Height (mm)	Weight (kg) *Without Cable	Cable Length (m)
			Total Head (m)	Capacity (m³/min)	Total Head (m)	Capacity (m³/min)					
50	DSN-40SAT	0.4	6	0.15	6	0.15	-	249	414	17	6
50	DSN-21SA	0.75	8.2	0.2	7.5	0.2	-	249	414	18	6
65	DSN-22SA	1.5	10.6	0.4	10	0.4	-	418	454	29	8
80	DSN-32SA	1.5	10.6	0.4	10	0.4	-	433	454	29	8
80	DSN-33SA	2.2	8.4	0.8	8.6	0.8	-	524	550	58	8
80	DSN-35SA	3.7	11.8	1	11.8	1	-	543	612	70	8
80	DSN-38SA	5.5	12.9	1.2	13.6	1.2	-	601	640	95	8
100	DSN-43SA	2.2	8.4	0.8	8.6	0.8	-	541	550	58	8
100	DSN-45SA	3.7	11.8	1	11.8	1	-	560	612	70	8
100	DSN-48SA	5.5	12.9	1.2	13.6	1.2	-	618	640	95	8
100	DSN-410SA	7.5	15.2	1.4	16.7	1.4	-	633	675	108	8
100	DSN-415SA	11	22	1.57	22	1.58	-	848	782	216	8
150	DSN-68SA	5.5	10	2	10	1.96	-	836	713	122	8
150	DSN-610SA	7.5	12	2.48	12	2.33	-	836	748	134	8
150	DSN-615SA	11	16	2.54	16	2.6	-	890	805	215	8
150	DSN-630B	22	22	2.4	25	2.4	-	1,000	1,160	396	10
200	DSN-810SA	7.5	5.3	4.5	8	3.7	-	1,021	999	315	8
200	DSN-815SA	11	11	4	9.9	4.5	-	1,021	999	300	8
200	DSN-820SA	15	14.6	4	13.5	4.5	-	1,021	999	310	8
200	DSN-830B	22	18	4.5	19	4.5	55	1,115	1,160	450	10
200	DSN-850B	37	27	4.5	26	4.5	60	1,315	1,590	765	10
250	DSN-1020SA	15	9.3	6.3	8.7	7.1	-	1,095	1,008	330	8
250	DSN-1030B	22	12	7	13	7	70	1,120	1,225	480	10
250	DSN-1050A	37	22	7	22	7	60	1,305	1,610	765	10
300	DSN-1230A	22	8.5	11	8.5	11	120	1,370	1,740	900	10
300	DSN-1250A	37	12	11	12.5	11	120	1,370	1,790	925/915	10
300	DSN-1260A	45	14	11	15	11	120	1,370	1,790	940/930	10
350	DSN-1430A	22	7	14	7	14	120	1,510	1,740	975	10
350	DSN-1450A	37	10.5	14	10.5	14	120	1,510	1,790	1,015/1,005	10
350	DSN-1460A	45	12.5	14	13	14	120	1,510	1,790	1,015/1,005	10
400	DSN-1630A	22	4.5	18	4.5	18	120	1,707	1,740	985	10
400	DSN-1640A	30	6.5	18	6.5	18	120	1,707	1,790	975/965	10
400	DSN-1650A	37	8	18	7.5	18	120	1,707	1,790	975/965	10
400	DSN-1660A	45	10	18	10	18	120	1,707	1,790	980/970	10

The figure in the left of " / " is for 50Hz, in the right is for 60Hz. Width·Height·Weight: Value for flange connection type. Make sure that Max through is not considered as something that is not hard particles. Ask us for the models that are not mentioned about Max through, if you need. Please inquire Sakuragawa pump or Sakuragawa dealers for details on performance, dimensions, and motor protection devices.

*Kindly refer to backcover of this catalog for the contact.

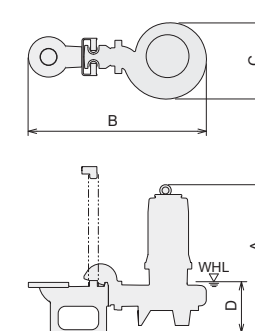
External Diagram of Flange Connection Type (mm)



Pump Models	A	B	C	D
DSN-40SAT	414	249	170	135
DSN-21SA	414	249	170	135
DSN-22SA	454	418	192	140
DSN-32SA	454	433	192	140
DSN-33SA	550	524	292	190
DSN-35SA	612	543	331	190
DSN-38SA	640	601	335	190
DSN-43SA	550	541	292	190
DSN-45SA	612	560	331	190
DSN-48SA	640	618	355	190
DSN-410SA	675	633	387	190
DSN-415SA	782	848	486	256
DSN-68SA	713	836	400	260
DSN-610SA	748	836	400	260
DSN-615SA	805	890	450	280
DSN-630B	1,160	1,000	493	445
DSN-810SA	999	1,021	530/504	550
DSN-815SA	999	1,021	504	550
DSN-820SA	999	1,021	504	550
DSN-830B	1,160	1,115	530	445
DSN-850B	1,590	1,315	695	575
DSN-1020SA	1,008	1,095	530	660
DSN-1030B	1,225	1,120	555	525
DSN-1050A	1,610	1,305	678	630
DSN-1230A	1,740	1,370	711	750
DSN-1250A	1,790	1,370	711	750
DSN-1260A	1,790	1,370	711	750
DSN-1430A	1,740	1,510	791	825
DSN-1450A	1,790	1,510	791	825
DSN-1460A	1,790	1,510	791	825
DSN-1630A	1,740	1,707	896	825
DSN-1640A	1,790	1,707	896	825
DSN-1650A	1,790	1,707	896	825
DSN-1660A	1,790	1,707	896	825

The figure in the left of " / " is for 50Hz, in the right is for 60Hz.

External Diagram of Quick Coupling Type (mm)



Pump Models	A	B	C	D
DSN-40SATP	460	447	170	180
DSN-21SAP	460	447	170	180
DSN-22SAP	530	663	192	215
DSN-32SAP	570	739	192	255
DSN-33SAP	620	830	292	260
DSN-35SAP	682	849	331	260
DSN-38SAP	710	920	355	260
DSN-43SAP	620	843	292	260
DSN-45SAP	682	862	331	260
DSN-48SAP	710	920	355	260
DSN-410SAP	745	935	387	260
DSN-415SAP	861	1,110	486	335
DSN-68SAP	779	1,094	400	325
DSN-610SAP	814	1,094	400	325
DSN-615SAP	871	1,148	450	345
DSN-630BP	1,093	1,131	493	390
DSN-810SAP	974	1,260	530/504	550
DSN-815SAP	974	1,260	474	550
DSN-820SAP	974	1,260	474	550
DSN-830BP	1,120	1,205	530	415
DSN-850BP	1,405	1,405	695	485
DSN-1020SAP	1,000	1,327	505	650
DSN-1030BP	1,221	1,442	555	520
DSN-1050AP	1,612	1,669	678	575
DSN-1230AP	1,680	1,671	711	695
DSN-1250AP	1,732	1,671	711	695
DSN-1260AP	1,680	1,671	711	695
DSN-1430AP	1,435	1,843	791	780
DSN-1450AP	1,487	1,843	791	780
DSN-1460AP	1,435	1,843	791	780
DSN-1630AP	1,435	1,983	896	805
DSN-1640AP	1,487	1,983	896	805
DSN-1650AP	1,487	1,983	896	805
DSN-1660AP	1,435	1,983	896	805

The figure in the left of " / " is for 50Hz, in the right is for 60Hz.