3SDM DEEP WELL PUMP





Installation And Use

This series of electric pumps has a multi-stage impeller structure with a high head and wide application. It is suitable for pumping water in boreholes, ponds and lakes, lawn irrigation, domestic tap water, swimming pool filling, water tower and cistern delivery, fountains, agricultural drainage and irrigation, etc.



Flow rate up to 120 L/min (7.2 m³/h)

Head up to 197 m

Application Limits

Medium temperature does not exceed +40°C;
Medium PH values between 6.5 and 8.5;
The volume ratio of solid impurities in the medium is not more than 0.1%, and the particle size is not more than 0.2mm;
Diving depth does not exceed 70 meters;
Min. applicable well diameter: 3"

Construction

Pump External Casing: Stainless steel
Impeller: Plastic POM
Diffuser: PC
Motor External Casing:H57
Motor Shaft: Stainless steel
Mechanical Seal: Ceramic- graphite or Sic to graphite
Electric Motor: Oil filled rewindable motors(non- toxic oil for use with food) . Single- phase 220V/ 240V- 50Hz with condenser thermal overload protector built into the copper winding, equipped with start control box. Three- phase 380V/ 415V
Insulation: Class B
Protection: IP X8

MUNICIPAL IRRIGATION

***: 1~ phase pump can be selected with control box (SDM) or without control box(SEM).**
***: The Outlet/Connection can be made by brass/stainless steel/cast iron.**

Model	Power		Max head	Max.flow	Outlet	Q (m³/h)	0	0.6	1.2	1.8	2.7
Single-phase	kW	HP	m	m³/h	Inch	Q (L/min)	0	10	20	30	45
3SDm1.8/7	0.18	0.25	30	3.6	1"/1¼"	H(m)	30	28	27	23	11
3SDm1.8/10	0.25	0.33	43	3.6	1"/1¼"		43	41	39	33	16
3SDm1.8/14	0.37	0.5	60	3.6	1"/1¼"		60	57	54	46	23
3SDm1.8/20	0.55	0.75	85	3.6	1"/1¼"		85	81	78	66	32
3SDm1.8/27	0.75	1	113	3.6	1"/1¼"		113	108	94	85	44
3SDm1.8/33	1.1	1.5	138	3.6	1"/1¼"		138	136	130	108	53
3SDm1.8/47	1.5	2	197	3.6	1"/1¼"		197	193	185	155	75

Model	Power		Max head	Max.flow	Outlet	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6
Single-phase	kW	HP	m	m³/h	Inch	Q (L/min)	0	5	10	15	20	25	30	35	40	45	50	55	60
3SDm2.5/5	0.18	0.24	22	4.2	1"/1¼"	H(m)	22	21	21	20	20	19	18	17	16	14	12	10	7
3SDm2.5/7	0.25	0.34	30	4.2	1"/1¼"		30	29	29	29	28	27	26	24	22	20	17	14	10
3SDm2.5/10	0.37	0.5	43	4.2	1"/1¼"		43	42	42	41	40	38	37	34	32	28	24	20	14
3SDm2.5/15	0.55	0.75	65	4.2	1"/1¼"		65	64	63	61	60	57	55	52	47	42	37	30	20
3SDm2.5/20	0.75	1	87	4.2	1"/1¼"		87	83	83	82	79	77	73	69	63	57	49	39	27
3SDm2.5/25	1.1	1.5	108	4.2	1"/1¼"		108	104	103	102	99	96	92	86	79	71	61	49	34
3SDm2.5/36	1.5	2	156	4.2	1"/1¼"		156	150	148	147	143	138	132	124	114	102	88	71	49

Model	Power		Max head	Max.flow	Outlet	Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
Single-phase	kW	HP	m	m³/h	Inch	Q (L/min)	0	10	20	30	40	50	60	70	80	90
3SDm4/7	0.25	0.34	23	6.0	1"/1¼"/1½"	H(m)	23	18	17	16	15	14	12	9	8	5
3SDm4/9	0.37	0.5	30	6.0	1"/1¼"/1½"		30	28	27	26	24	22	19	15	12	8
3SDm4/14	0.55	0.75	46	6.0	1"/1¼"/1½"		46	44	42	40	37	34	30	24	19	12
3SDm4/19	0.75	1	63	6.0	1"/1¼"/1½"		63	61	57	54	50	47	41	34	27	17
3SDm4/24	1.1	1.5	79	6.0	1"/1¼"/1½"		79	77	72	68	64	58	52	43	35	22
3SDm4/35	1.5	2	115	6.0	1"/1¼"/1½"		115	112	105	99	93	85	76	63	51	32

Model	Power		Max head	Max.flow	Outlet	Q (m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
Single-phase	kW	HP	m	m³/h	Inch	Q (L/min)	0	20	30	40	50	60	70	80	90	100
3SDm5/4	0.25	0.34	15	7.2	1"/1¼"/1½"	H(m)	15	14	13	13	12	11	11	10	7	5
3SDm5/7	0.37	0.5	26	7.2	1"/1¼"/1½"		26	25	24	23	22	21	20	18	12	11
3SDm5/9	0.55	0.75	34	7.2	1"/1¼"/1½"		34	33	33	32	31	30	28	25	22	15
3SDm5/13	0.75	1	48	7.2	1"/1¼"/1½"		48	46	45	43	42	40	36	35	32	20
3SDm5/19	1.1	1.5	70	7.2	1"/1¼"/1½"		70	69	68	64	62	60	58	52	46	38
3SDm5/26	1.5	2	96	7.2	1"/1¼"/1½"		96	94	93	90	88	86	80	74	63	40