

DS30/40/50 SERIES SUBMERSIBLE ELECTRIC PUMP

IRCEM offers a wide range of submersible electric pumps for a variety of applications.

IRCEM submersible electric pumps are suitable for garden sprinkling, water drawn from ponds, agricultural irrigation and drought and drainage.

Commitment to high technology is granted by persisting in quality improvement and constant monitoring on production process.

STANDARD

- Voltage: ~1-220V/50Hz; ~3-380V/50Hz
- Cable length: 5m

SPECIFICATIONS

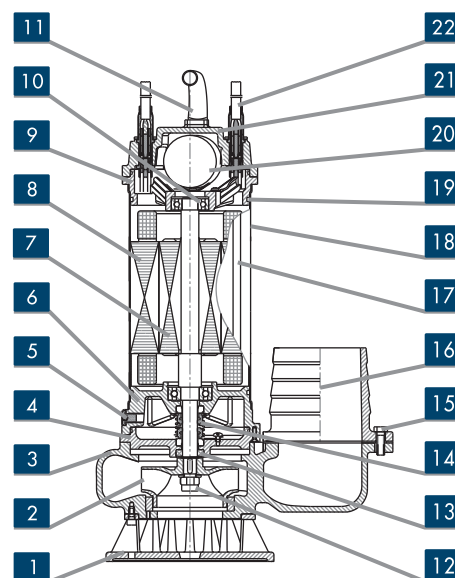
- Continuous service: S1
- Allowable voltage fluctuation: $\pm 10\%$
- Protection degree: IP68
- Insulation class: Class F
- Maximum immersion depth: 20m
- Pumped liquid temperature: $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Solid content of pumped liquid on volume: $\leq 0,1\%$
- Solid content of pumped liquid on size: $\leq 8\text{mm}$
- Pumped liquid PH: 6,5~8,5
- ~1-220V/50Hz: Built-in capacitor and over-load protector
- ~3-380V/50Hz: Built-in over-load protector

CONSTRUCTION&CHARACTERISTICS

- Stainless steel shaft, motor shell and Lifting handle
- Strong cast iron impeller and cast iron pump body
- Triple protection of Italian double-end mechanical seal and lip seal
- Removable cable connector
- Dry-type motor
- Food-grade lubricating oil, environment friendly

OPTIONAL FEATURES

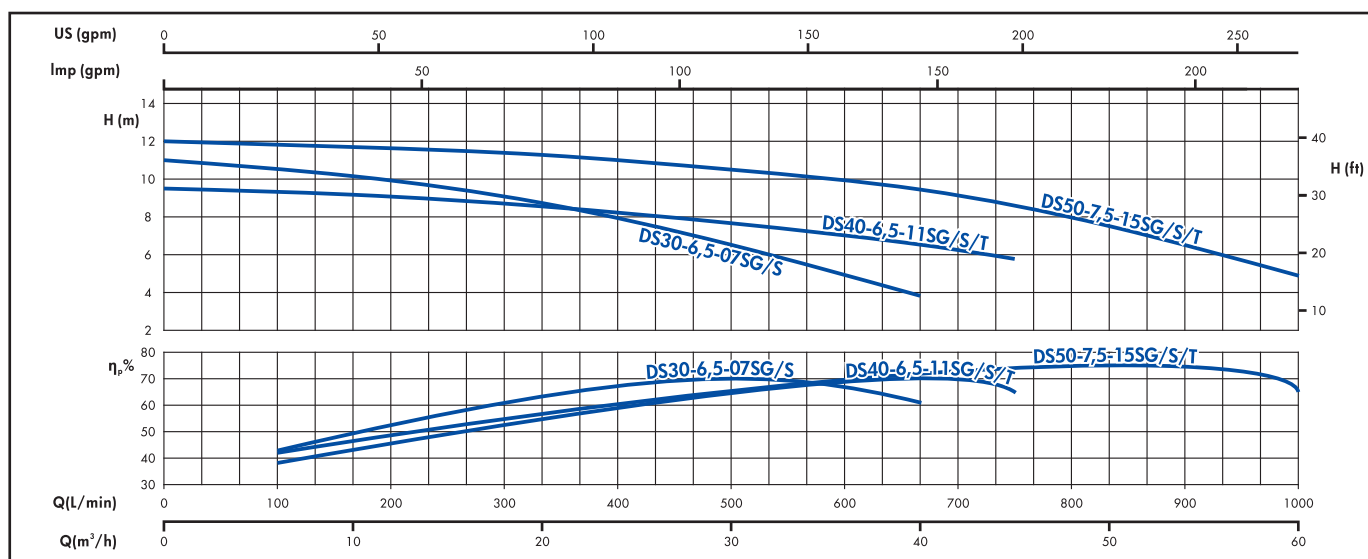
- Different cable length
- Different outlet size
- Floating switch for single-phase pump



PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	STANDARD	REF.N.	PART	MATERIAL	STANDARD
1	Base	Cast iron	ASTM A48 Class 200A	12	Nut	Stainless steel	AISI304
2	Impeller	Cast iron	ASTM A48 Class 200A	13	Lip seal	NBR	-
3	Pump body	Cast iron	ASTM A48 Class 200A	14	Mechanical seal	Carbon/Ceramic	-
4	Support	Cast iron	ASTM A48 Class 200A	15	Screw	Stainless steel	AISI304
5	Filling screw	Stainless steel	AISI304	16	Outlet	Cast iron	ASTM A48 Class 200A
6	Lower bracket	Cast iron	ASTM A48 Class 200A	17	Double-end stud	Stainless steel	AISI304
7	Rotor	-	-	18	Motor shell	Stainless steel	AISI304
8	Stator	-	-	19	O-ring	NBR	-
9	Upper support	Cast iron	ASTM A48 Class 200A	20	Capacitor	-	-
10	Bearing	-	-	21	Cover	Cast iron	ASTM A48 Class 200A
11	Lifting handle	Stainless steel	AISI304	22	Removable cable connector	-	-

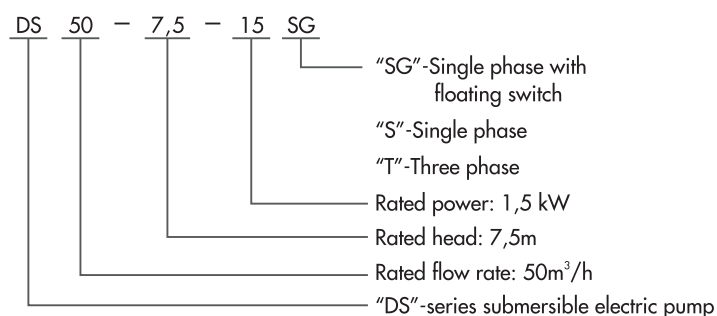
OPERATING CHARACTERISTICS AT 50Hz



OPERATING CHARACTERISTICS

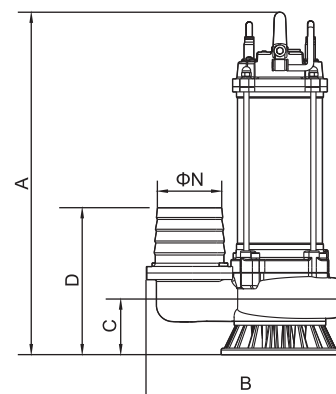
Model		Rated Power		Q (l/min) 0 166,7 333,3 500 666,7 833,3 1000 Q.Max							
				(m³/h) 0 10 20 30 40 50 60 (m³/h)							
~ 1-220V/50Hz	~ 3-380V/50Hz	(kW)	(Hp)	H(m)							
DS30-6,5-07SG	-	0,75	1,0	11	10,2	8,8	6,5	3,8	-	-	40
DS30-6,5-07S	-	0,75	1,0	11	10,2	8,8	6,5	3,8	-	-	40
DS40-6,5-11SG	-	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
DS40-6,5-11S	-	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
-	DS40-6,5-11T	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
DS50-7,5-15SG	-	1,5	2,0	12	11,7	11,3	10,5	9,5	7,5	5	64
DS50-7,5-15S	-	1,5	2,0	12	11,7	11,3	10,5	9,5	7,5	5	64
-	DS50-7,5-15T	1,5	2,0	12	11,7	11,3	10,5	9,5	7,5	5	64

IDENTIFICATION CODE



EXAMPLE:

DS50-7,5-15SG
DS series submersible electric pump, rated power 1,5 kW, rated flow rate 50 m³/h, rated head 7,5m, with floating switch.



DIMENSION AND WEIGHT

Model		Dimension (mm)					Weight (kg)
~ 1-220V/50Hz	~ 3-380V/50Hz	A	B	C	D	ΦN	
DS30-6,5-07SG	-	488	267	89	209	76	28
DS30-6,5-07S	-	488	267	89	209	76	27,5
DS40-6,5-11SG	-	506	267	89	209	76	30
DS40-6,5-11S	-	506	267	89	209	76	29,5
-	DS40-6,5-11T	481	267	89	209	76	29
DS50-7,5-15SG	-	518	299	86	227	102	34
DS50-7,5-15S	-	518	299	86	227	102	33,5
-	DS50-7,5-15T	495	299	86	227	102	33