

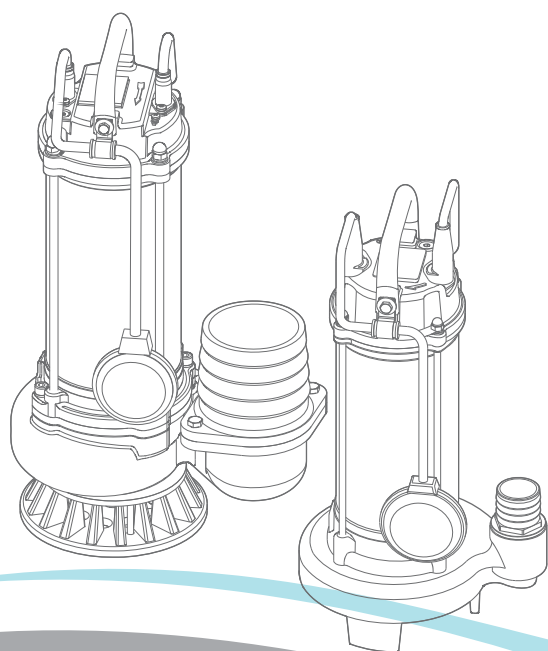
# Pompe Sommergibili

## *Submersible pump*

CLEAN WATER

# Catalogo Tecnico

## Technical Catalogue



**IRCEM**  
WATER PUMPS

The logo for IRCEM Water Pumps features a stylized blue wave symbol above the company name. The name 'IRCEM' is in a large, bold, blue sans-serif font, and 'WATER PUMPS' is in a smaller, blue sans-serif font below it.

## **CONTENTS**

DS1,5 Series Submersible Electric Pump .....	1
DS3/4/8 Series Submersible Electric Pump .....	3
DS14/16 Series Submersible Electric Pump .....	5
DS30/40/50 Series Submersible Electric Pump .....	7

## DS1,5 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;
- Cable length: 5m

### SPECIFICATIONS

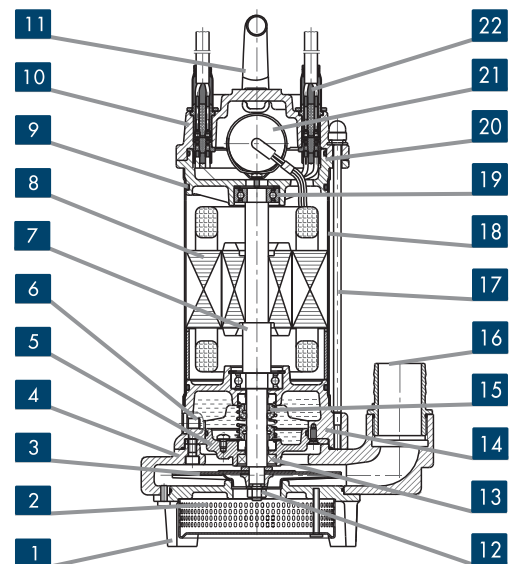
- Continuous service: S1
- Allowable voltage fluctuation:  $\pm 10\%$
- Protection degree: IP68
- Insulation class: Class F
- Maximum immersion depth: 20m
- Pumped liquid temperature:  $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Solid content of pumped liquid on volume:  $\leq 0,1\%$
- Solid content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

### CONSTRUCTION&CHARACTERISTICS

- Stainless steel shaft, motor shell and Lifting handle
- Strong stainless steel 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

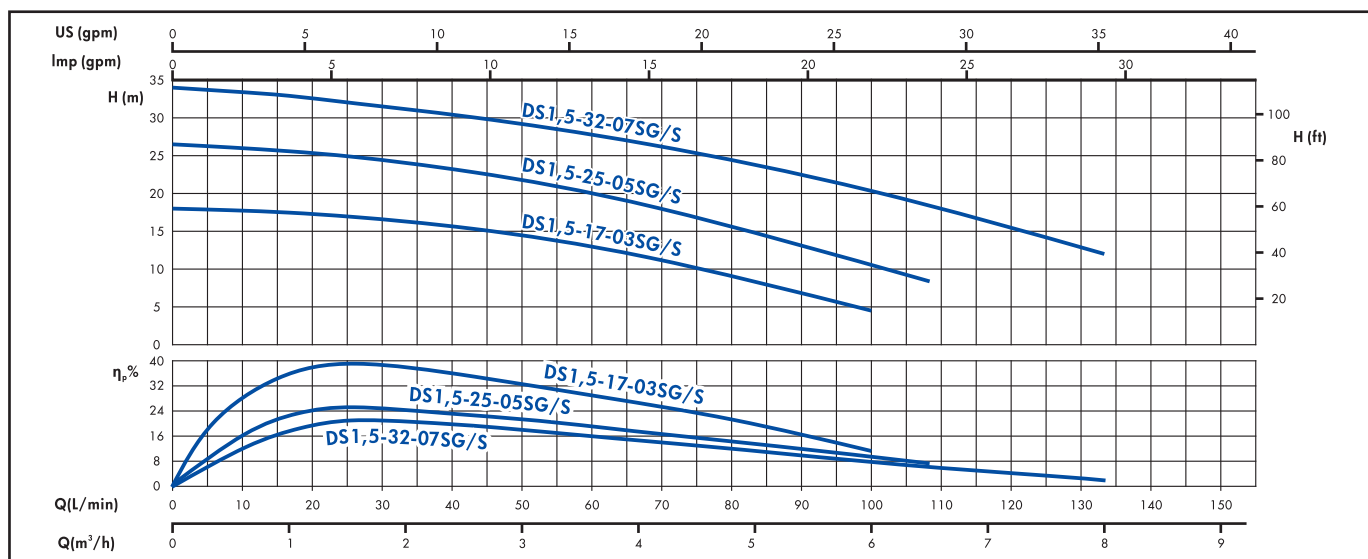
- Different cable length
- Different outlet size
- Floating switch for pump



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

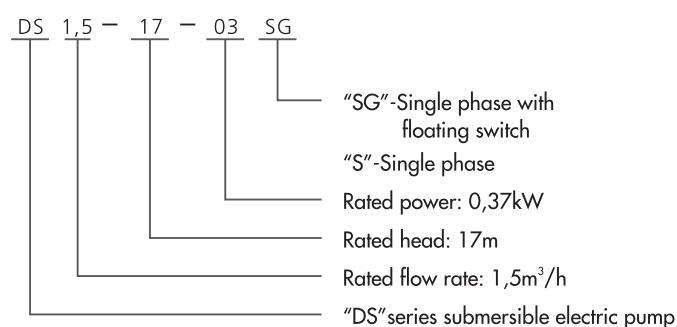
## OPERATING CHARACTERISTICS AT 50Hz



## OPERATING CHARACTERISTICS

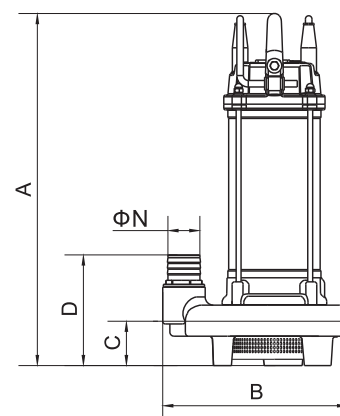
Model	Rated Power		Q (l/min) 0 8,3 16,7 25 41,7 66,7 100 133,3 Q.Max								
	(kW)	(Hp)	(m³/h) 0 0,5 1 1,5 2,5 4 6 8 (m³/h)								
~ 1-220V/50Hz			H(m)								
<b>DS1,5-17-03SG</b>	0,37	0,5	18	17,8	17,5	17	15,5	12	4,5	-	6
<b>DS1,5-17-03S</b>	0,37	0,5	18	17,8	17,5	17	15,5	12	4,5	-	6
<b>DS1,5-25-05SG</b>	0,55	0,75	26,5	26,1	25,6	25	23	19	10,5	-	6,5
<b>DS1,5-25-05S</b>	0,55	0,75	26,5	26,1	25,6	25	23	19	10,5	-	6,5
<b>DS1,5-32-07SG</b>	0,75	1,0	34	33,5	33	32	30	27	20,5	12	9
<b>DS1,5-32-07S</b>	0,75	1,0	34	33,5	33	32	30	27	20,5	12	9

## IDENTIFICATION CODE



## EXAMPLE:

DS1,5-17-03SG  
 DS series submersible electric pump, rated power 0,37kW, rated flow rate 1,5m³/h, rated head 17m, with floating switch.



## DIMENSION AND WEIGHT

Model	Dimension (mm)					Weight (kg)
	A	B	C	D	ΦN	
~ 1-220V/50Hz						
<b>DS1,5-17-03SG</b>	382	191	52	144	26	14,5
<b>DS1,5-17-03S</b>	382	191	52	144	26	14
<b>DS1,5-25-05SG</b>	399	217	52	148	26	16,5
<b>DS1,5-25-05S</b>	399	217	52	148	26	16
<b>DS1,5-32-07SG</b>	432	240	53	144	26	19,5
<b>DS1,5-32-07S</b>	432	240	53	144	26	19

## DS3/4/8 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;
- Cable length: 5m

### SPECIFICATIONS

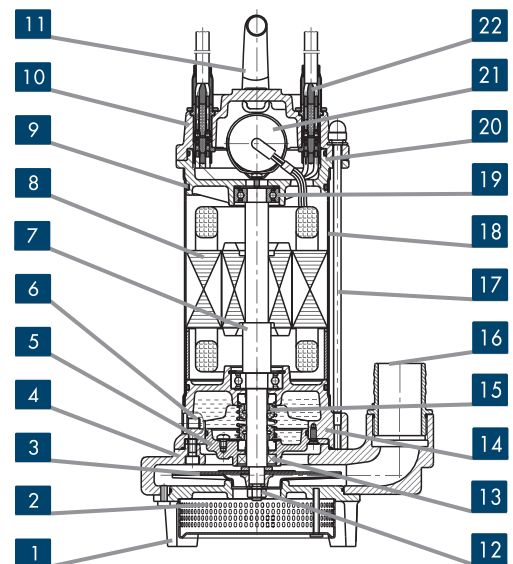
- Continuous service: S1
- Allowable voltage fluctuation:  $\pm 10\%$
- Protection degree: IP68
- Insulation class: Class F
- Maximum immersion depth: 20m
- Pumped liquid temperature:  $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- Solid content of pumped liquid on volume:  $\leq 0,1\%$
- Solid content of pumped liquid on size:  $\leq 2\text{mm}$
- Pumped liquid PH: 6,5-8,5
- ~1-220V/50Hz: Built-in capacitor and over-load protector

### CONSTRUCTION&CHARACTERISTICS

- Stainless steel shaft, motor shell and Lifting handle
- Strong stainless steel 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

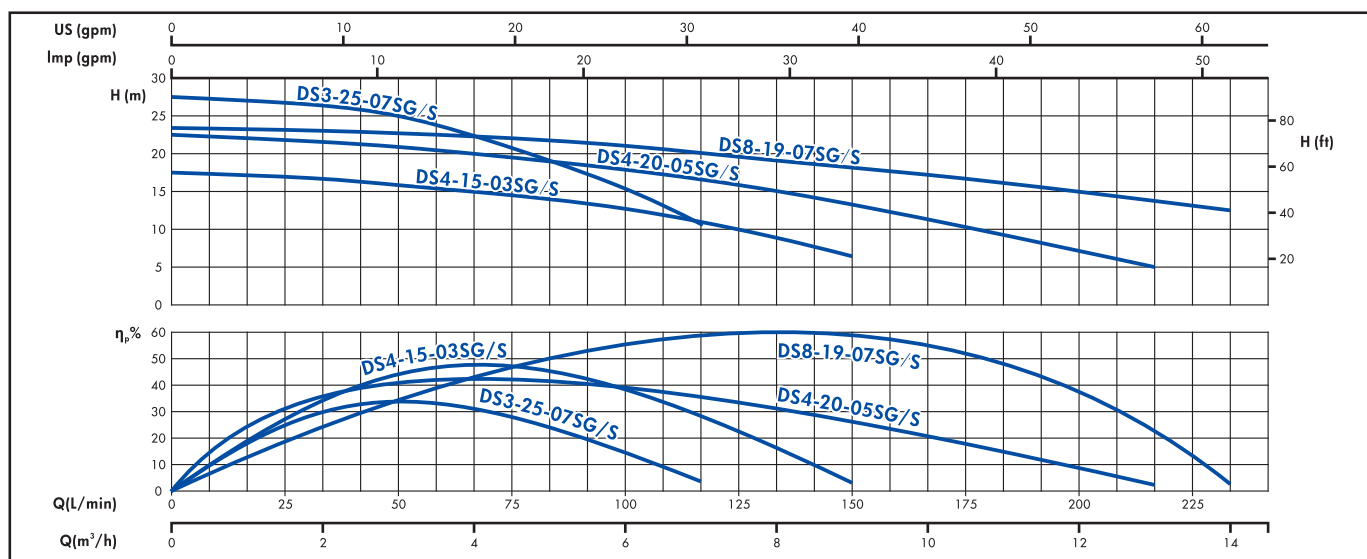
- Different cable length
- Different outlet size
- Floating switch for pump



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

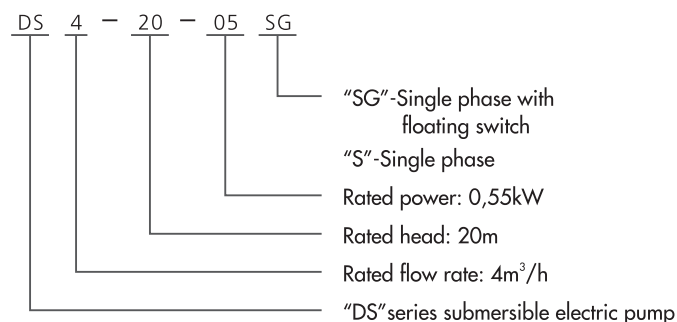
### OPERATING CHARACTERISTICS AT 50Hz



### OPERATING CHARACTERISTICS

Model	Rated Power		Q								Q.Max (m³/h)
	(kW)	(Hp)	(l/min) 0	33,3	50	66,7	100	133,3	200	233,3	
~ 1-220V/50Hz			H(m)								
<b>DS3-25-07SG</b>	0,75	1,0	27,4	26,3	25	22,7	15,3	-	-	-	7,5
<b>DS3-25-07S</b>	0,75	1,0	27,4	26,3	25	22,7	15,3	-	-	-	7,5
<b>DS4-15-03SG</b>	0,37	0,5	17,5	16,7	15,8	15	12,8	9	-	-	9,5
<b>DS4-15-03S</b>	0,37	0,5	17,5	16,7	15,8	15	12,8	9	-	-	9,5
<b>DS4-20-05SG</b>	0,55	0,75	22,5	21,6	21	20	18	15	7	-	13
<b>DS4-20-05S</b>	0,55	0,75	22,5	21,6	21	20	18	15	7	-	13
<b>DS8-19-07S</b>	0,75	1,0	23,4	23,1	22,8	22,5	21,5	19	15	12,5	15
<b>DS8-19-07S</b>	0,75	1,0	23,4	23,1	22,8	22,5	21,5	19	15	12,5	15

### IDENTIFICATION CODE

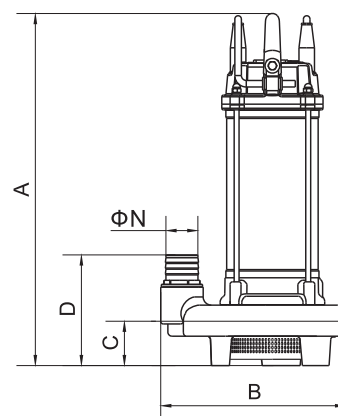


### EXAMPLE:

DS4-20-05SG  
DS series submersible electric pump, rated power 0,55 kW, rated flow rate 4 m³/h, rated head 20m, with floating switch.

### DIMENSION AND WEIGHT

Model	Dimension(mm)					Weight (kg)
	A	B	C	D	ΦN	
~ 1-220V/50Hz						
<b>DS3-25-07SG</b>	431	217	52	155	32	19
<b>DS3-25-07S</b>	431	217	52	155	32	18,5
<b>DS4-15-03SG</b>	389	191	56	163	32	15
<b>DS4-15-03S</b>	389	191	56	163	32	14,5
<b>DS4-20-05SG</b>	404	227	55	150	32	17,5
<b>DS4-20-05S</b>	404	227	55	150	32	17
<b>DS8-19-07SG</b>	441	230	58	161	38	19,5
<b>DS8-19-07S</b>	441	230	58	161	38	19



# DS14/16 SERIES SUBMERSIBLE ELECTRIC PUMP

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

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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

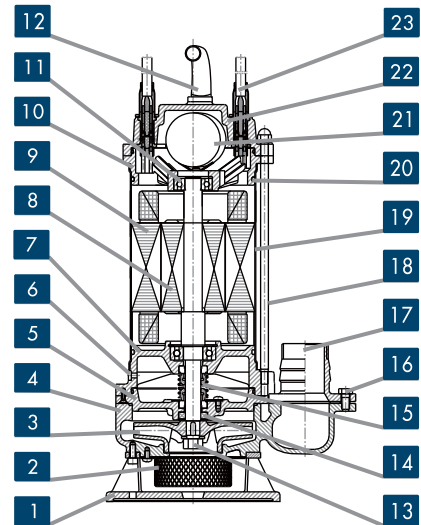
- Continuous service: S1
- Allowable voltage fluctuation:  $\pm 10\%$
- Protection degree: IP68
- Insulation class: Class F
- Maximum immersion depth: 20m
- Pumped liquid temperature:  $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- Solid content of pumped liquid on volume:  $\leq 0,1\%$
- Solid content of pumped liquid on size:  $\leq 5\text{mm}$
- 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

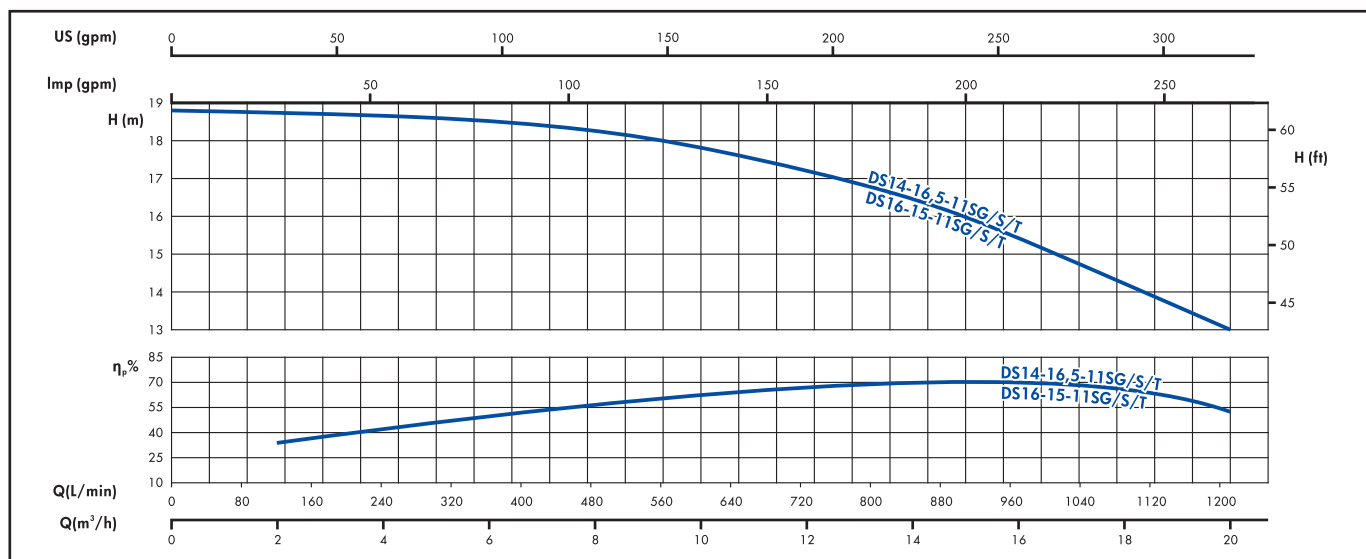
- Different cable length
- Different outlet size
- Floating switch for single-phase pump



## 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	13	Nut	Stainless steel	AISI304
2	Filter	Stainless steel	AISI304	14	Lip seal	NBR	-
3	Impeller	Cast iron	ASTM A48 Class 200A	15	Mechanical seal	Carbon/Ceramic	-
4	Pump body	Cast iron	ASTM A48 Class 200A	16	Screw	Stainless steel	AISI304
5	Support	Cast iron	ASTM A48 Class 200A	17	Outlet	Cast iron	ASTM A48 Class 200A
6	Filling screw	Stainless steel	AISI304	18	Double-end stud	Stainless steel	AISI304
7	Lower bracket	Cast iron	ASTM A48 Class 200A	19	Motor shell	Stainless steel	AISI304
8	Rotor	-	-	20	O-ring	NBR	-
9	Stator	-	-	21	Capacitor	-	-
10	Upper support	Cast iron	ASTM A48 Class 200A	22	Cover	Cast iron	ASTM A48 Class 200A
11	Bearing	-	-	23	Removable cable connector	-	-
12	Lifting handle	Stainless steel	AISI304				

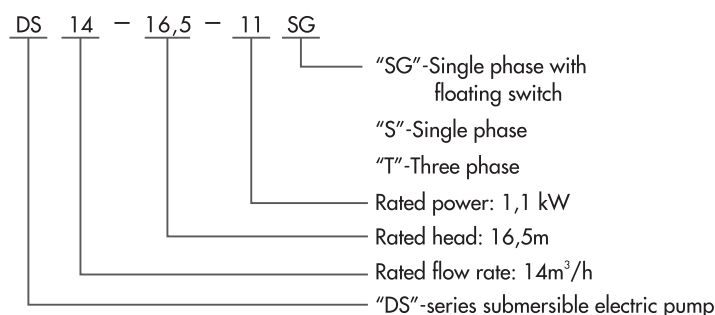
### OPERATING CHARACTERISTICS AT 50Hz



### OPERATING CHARACTERISTICS

Model		Rated Power		Q (l/min) 0	83,3	133,3	166,7	233,3	266,7	333,3	Q.Max
				(m³/h) 0	5	8	10	14	16	20	(m³/h)
~ 1-220V/50Hz	~ 3-380V/50Hz	(kW)	(Hp)	H(m)							
<b>DS14-16,5-11SG</b>	-	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22
<b>DS14-16,5-11S</b>	-	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22
-	<b>DS14-16,5-11T</b>	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22
<b>DS16-15-11SG</b>	-	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22
<b>DS16-15-11S</b>	-	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22
-	<b>DS16-15-11T</b>	1,1	1,5	18,8	18,6	18,3	17,8	16,5	15	13	22

### IDENTIFICATION CODE

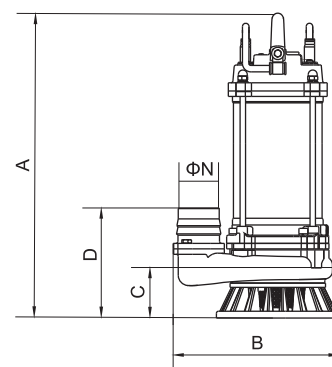


### EXAMPLE:

DS14-16,5-11SG  
 DS series submersible electric pump, rated power 1,1 kW, rated flow rate 14 m³/h, rated head 16,5m, with floating switch.

### DIMENSION AND WEIGHT

Model		Dimension (mm)					Weight (kg)
~ 1-220V/50Hz	~ 3-380V/50Hz	A	B	C	D	ΦN	
<b>DS14-16,5-11SG</b>	-	472	244	71	162	51	26
<b>DS14-16,5-11S</b>	-	472	244	71	162	51	25,5
-	<b>DS14-16,5-11T</b>	447	244	71	162	51	25
<b>DS16-15-11SG</b>	-	472	244	71	162	64	26
<b>DS16-15-11S</b>	-	472	244	71	162	64	25,5
-	<b>DS16-15-11T</b>	447	244	71	162	64	25





# 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

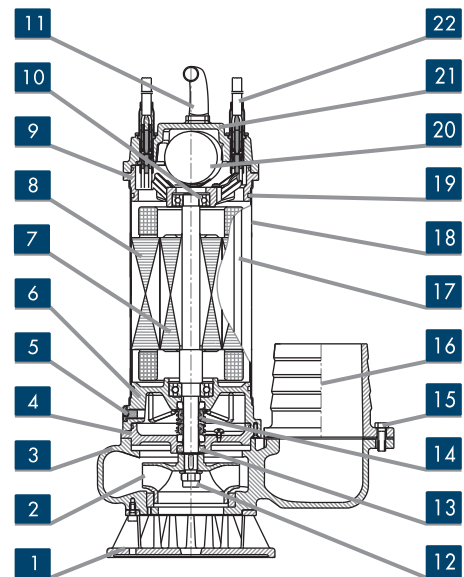
- Continuous service: S1
- Allowable voltage fluctuation:  $\pm 10\%$
- Protection degree: IP68
- Insulation class: Class F
- Maximum immersion depth: 20m
- Pumped liquid temperature:  $0^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- Solid content of pumped liquid on volume:  $\leq 0,1\%$
- Solid content 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

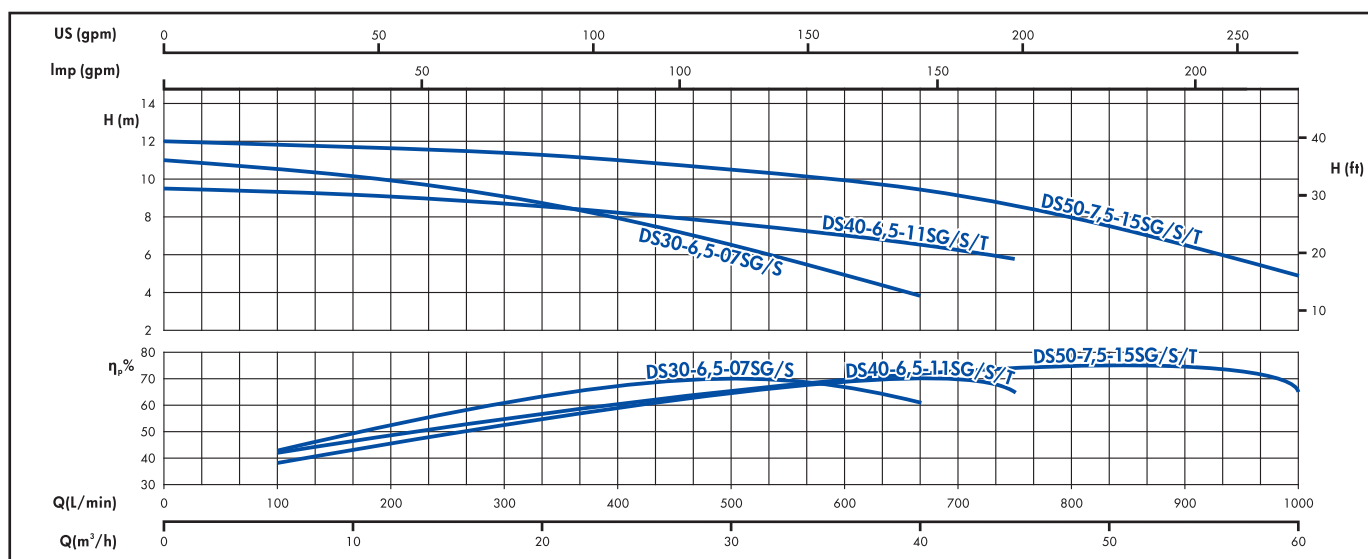
- Different cable length
- Different outlet size
- Floating switch for single-phase pump



## 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	-	-

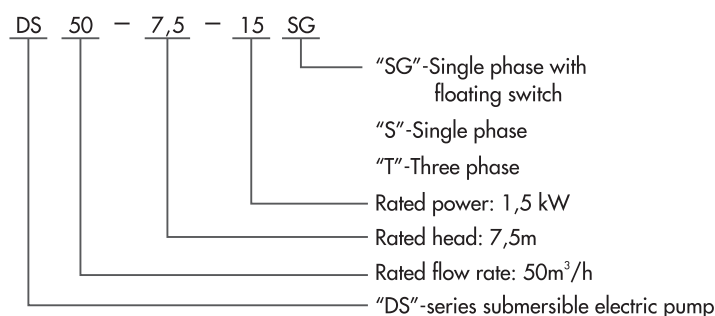
## OPERATING CHARACTERISTICS AT 50Hz



## OPERATING CHARACTERISTICS

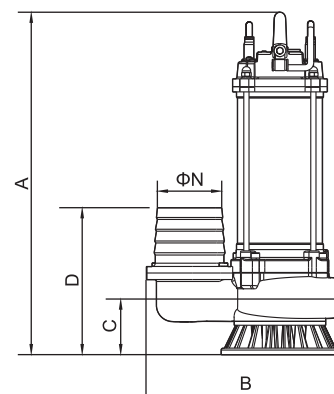
Model		Rated Power		Q (l/min) 0 (m³/h) 0	166,7 10	333,3 20	500 30	666,7 40	833,3 50	1000 60	Q.Max (m³/h)
~ 1-220V/50Hz	~ 3-380V/50Hz	(kW)	(Hp)								
<b>DS30-6,5-07SG</b>	-	0,75	1,0	11	10,2	8,8	6,5	3,8	-	-	40
<b>DS30-6,5-07S</b>	-	0,75	1,0	11	10,2	8,8	6,5	3,8	-	-	40
<b>DS40-6,5-11SG</b>	-	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
<b>DS40-6,5-11S</b>	-	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
-	<b>DS40-6,5-11T</b>	1,1	1,5	9,5	9,2	8,6	7,7	6,5	-	-	47,5
<b>DS50-7,5-15SG</b>	-	1,5	2,0	12	11,7	11,3	10,5	9,5	7,5	5	64
<b>DS50-7,5-15S</b>	-	1,5	2,0	12	11,7	11,3	10,5	9,5	7,5	5	64
-	<b>DS50-7,5-15T</b>	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	
<b>DS30-6,5-07SG</b>	-	488	267	89	209	76	28
<b>DS30-6,5-07S</b>	-	488	267	89	209	76	27,5
<b>DS40-6,5-11SG</b>	-	506	267	89	209	76	30
<b>DS40-6,5-11S</b>	-	506	267	89	209	76	29,5
-	<b>DS40-6,5-11T</b>	481	267	89	209	76	29
<b>DS50-7,5-15SG</b>	-	518	299	86	227	102	34
<b>DS50-7,5-15S</b>	-	518	299	86	227	102	33,5
-	<b>DS50-7,5-15T</b>	495	299	86	227	102	33



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**NEW JET S.R.L.**

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E-MAIL: [newjetsrl@hotmail.com](mailto:newjetsrl@hotmail.com)  
[www.ircempump.com](http://www.ircempump.com)

IRCEM-DS/01 09/18

