







# ES/ESM **End Suction Centrifugal Pump**













#### **Product Overview**

ES/ESM end-suction centrifugal pump is used to transport clean water and media with physical and chemical properties similar to water. Non-flammable and explosive, low viscosity, no solid particles or fibers: this series of products have good cold and hot general performance, and are widely used in heating systems, cooling water circulation, water treatment systems and other fields.

#### **Application**

- Heating system
- · Air-conditioning system
- Filtering and conveying
- Pipeline pressurization flushing and cleaning system
- · Cooling water circulation
- · Boiler feed water treatment system
- Equipment supporting system
- Agricultural irrigation

### **Operating Condition**

Transport medium: clear water and medium with physical and chemical properties similar to water, low viscosity,

No solid particles or fibers.

Diameter of pump: 50-300mm at the suction port and 32-250mm at the discharge port.

Rotational speed: 1450/2900(50Hz) 1750/3500(60Hz)

Flow range: 2~140 m<sup>3</sup>/h Head range: 1~140m

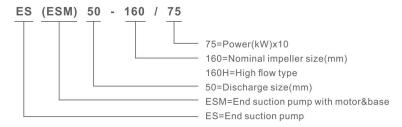
Medium PH: 6.5~8.5 as standard and 4~10 as optional.

Working pressure: 1.0 MPa is standard, and 1.6 MPa is optional.

#### www.evokepump.com

# **EVOKE**

#### **Model Definition**



#### **Features**

#### Widely applicable

The high-efficiency standard motor adopts standardized design and is widely applicable.

#### Hot and cold universal

Long suspension design, excellent heat dissipation effect of pump body, capable of transporting media from -40°C to +120°C.

#### **Convenient maintenance**

Rear pull structure, can be repaired without disassembling the pipeline.

#### Special design of bearing chamber

Suitable for high head applications, the special design of the bearing chamber ensures the strength of the shaft and stronger product stability.

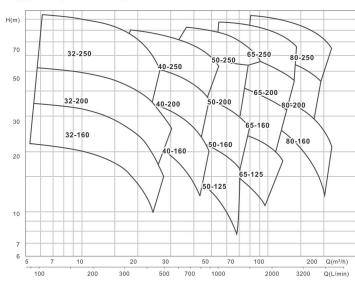
#### Personalized customization

Provide customized services for cast iron/SS304 impellers, packing seals/mechanical seals according to different usage needs.

### **Technical Sheet**

Model	Detail
Delivery	0-1000 GPM
Head	0-164 m
Discharge	32-150 mm
Speed	2900 rpm
Tmax	120 °C
Power	1.5-315kW
Voltage	220/380/400/440 V
Frequency	50 Hz
Pump case	Cast iron
Impeller	Cast iron/SS304
Shaft	45# steel/SS304
Seal	SiC&Carbon
Bearing	Ball bearing

### Type Spectrogram











### Performance Table

# Q=Delivery 50Hz n=2900

Model	DN Power		N Power		ON Power				0	26 100	40 150	66 250	79 300	106 400	119 450	159 600	185 700	211 800	238 900	317 1200	370 1400	396 1500	476 1800	529 2000	608 2300	793 3000	925 3500
Model	mm	kW	HP	L/min m³/h	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210				
ES 32-160/15	50x32	1.5	2		24	23.7	22.5	19.5	16.2	-	-	-	-	-	-	-	H	-	-	-	-	-	-				
ES 32-160/22	50x32	2.2	3		31	29.6	29	25.5	22.5	15	-	-	-	-	-	-	-	-	-	-	-	-	-				
ES 32-160/30	50x32	3	4		34.5	33.5	33	29	26.5	20	16.5	-	-	~	-		-	-	-	-	-	-	-				
ES 32-200/30	50x32	3	4		43.2	42	40.5	35.2	32.2	24.6	19.8	-	-	-	-	-	-	-	-	-	-	-	-				
ES 32-200/40	50x32	4	5.5		52	50.5	50	45.5	41.9	35	30.3	-	-	-	-	-	-	-	-	-	-	-	-				
ES 32-250/55	50x32	5.5	7.5		60	59.5	59	55	50.2	34.5	-	-	-	-	-	-	-	-	-	-	-	-	-				
ES 32-250/75	50x32	7.5	10		69.5	69	68.5	66	63	53	-	-	-	-1	-	- 1	-	-	-	-	-	-	-				
ES 32-250/92	50x32	9.2	12.5		77	75.8	75.7	73.6	70	60	-	-	-	-	-	-	-	-	-	-	-	-	-				
ES 32-250/110	50x32	11	15		92	90	88.5	82.5	78	66	-	-	-	-	-	-	-	-	-	-	-	-	-				
ES 40-160/30	65x40	3	4		31.8	-	-	-	29.5	27.5	26.3	21.5	17.5	-	-	-	-	-	-	-	-	-	-				
ES 40-160/40	65x40	4	5.5		38	-	- 1	-	36	34	33	28.5	25	20.1	-	-	-	-	-	-	-	-	-				
ES 40-200/55	65x40	5.5	7.5		44	-	-	-	42	40	38	32	27	-	-	-	-	-	-	-	-	-	-				
ES 40-200/75	65x40	7.5	10		55	-	-	-	52	49	48	42	37	32	-	-	-	-	-	-	-	-	-				
ES 40-250/92	65x40	9.2	12.5		64	-	-	-	59	56.5	55	49.5	45	39.8	-	-	-	-	-	-	-	-	-				
ES 40-250/110	65x40	11	15		72	-	-	-	67.5	65	63.5	57.5	52.2	47	-		-	-	-	-	-	-	-				
ES 40-250/150	65x40	15	20		82	-		-	79.3	77.3	76.5	71	66	61	54.8	-	-	-	-	-	-	-	-				
ES 50-125/22	65x50	2.2	3		17	-	- 1	-	-	-	1-	15.4	14	12.8	11.5	6.5	-	-	-	-	-	-	-				
ES 50-125/30	65x50	3	4		20	-	-1	-	-	-	-	18.8	18	17	15.6	11	-	-	-	-	-	-	-				
ES 50-125/40	65x50	4	5.5		24	-	-	-	-	-	-	23.1	23	21.5	20.3	15.8	11.8	-	-	-	-	-	-				
ES 50-160/55	65x50	5.5	7.5		32	-		-	-	-	-	30.6	30	28	26.6	20.5	14.8	-	-	-	-	-	-				
ES 50-160/75	65x50	7.5	10	H=	40	-		-	-	-	-	38	37	36	34.4	29	24	21	-	-	-	-					
ES 50-200/92	65x50	9.2	12.5	Head (m)	50.5	-	-	-	-	-	-	46.8	45	43	40.9	32.5	26.7	-	-	-	-	-	-				
ES 50-200/110	65x50	11	15	(111)	57.5	-	-	-	-	-	-	53.5	52	50	47.5	40	34	29	-	-	-	-	-				
ES 50-200/150	65x50	15	20		64	-	-	-	-	-	-	59.5	57.5	55	53	45	39.8	36	-	-	-	-	-				
ES 50-250/150	65x50	15	20		68.5	-	-	-	+	-	-	64	63	61.5	59	50	41	-	-	-	-	-	-				
ES 50-250/185	65x50	18.5	25		77	-	-	-	-	-	-	73.2	72	70	68	60.5	51.5	-	-	-	-	-	-				
ES 50-250/220	65x50	22	30		86.3	-	-	-	-	-	-	83	81.5	80	78	70	61	-	-	-	-	-	-				
ES 65-125/40	80x65	4	5.5		19	-	-	-	-	-	-	-	-	17.3	16.8	14.5	13	11.8	-	-	-	-	-				
ES 65-125/55	80x65	5.5	7.5		23	-	-	-	-	-	-	-	-	21.3	20.9	19	17.5	16.7	13.7	-	-	-					
ES 65-125/75	80x65	7.5	10		27	-	-	-	-	-	-	-	-	26	25.6	24.5	23	22.5	20	18	-	-	-				
ES 65-160/92	80x65	9.2	12.5		33	-		-	-	-	-	-	-	-	31.5	30	28	27.1	24	21.5	-	-	-				
ES 65-160/110	80x65	11	15		36	-		-	-	-	-	-	-		34.5	33	31.5	30.8	28	25.5	-	-	-				
ES 65-160/150	80x65	15	20		42	-	-11	-	-	-	11-	-	-		41	40	38.5	37.8	35	33	29.5	-					
ES 65-200/150	80x65	15	20		45.5	-	-	-	-	-	-	-	-	-	46	43.5	41	39.2	33	-	-	-	-				
ES 65-200/185	80x65	18.5	25		53	-	-	-	-	-	-	~	-	-	53.5	51.2	49	47	41.5	-	-	-	-				
ES 65-200/220	80x65	22	30		59	-	-	-	-	-	-	-	-	-	59.5	58	56	55	52	49.5	44.5	-	-				
ES 65-250/220	80x65	22	30		64.8	-	-	-	-	-	-	-	-	-	64.7	62	60	58.5	53	50	-	-	-				
ES 65-250/300	80x65	30	40		76	-	-	-	-	-	-	-	-	-	75	73	70	69	64	61	54	-	-				
ES 65-250/370	80x65	37	50		90	-	-	-	-	-	-	-	-	-	88	86	84	82	78	74	68	-	-				
ES 65-315/450	80x65	45	60		107	-	-	-	-	-	-	-	-	-	102.2	100	98	96.8	94.8	93	86	-	-				
ES 65-315/550	80x65	55	75		128	-	-	-	-	-	-	-	-	-	122.8	120.9	119.2	117.9	115.9	113	106	78	-				
ES 65-315/750	80x65	75	100		148	-	-	-	-	-	-	-	-	-	144.0	141.4	139.7	138.5	136.5	134	126	99	67.5				

ES 65-315/900 80x65 90 125 159 - - - - - - - 154.3 151.7 150.0 148.8 146.8 144 136 109 77.8



### Performance Table

### Q=Delivery 50Hz n=2900

Model	DN	Po	wer	GPM L/min	0	264 1000	396 1500	529 2000	634 2400	793 3000	881 3333	925 3500	969 3667	1057 4000	1233 4667	1322 5000	1586 6000	1762 6667	2203 8333	2643 10000	2907 11000	3524 13333	+
Wodel	mm	kW	HP	m³/h	0	60	90	120	144	180	200	210	220	240	280	300	360	400	500	600	660	800	100
ES 80-125/40	100×80	5.5	7.8		17	15	12.3	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ES 80-125/55	100×80	7.5	10.6		21	19.6	17.4	13.4	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ES 80-125/75	100×80	10	14.4		26	24.8	23	19.5	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
ES 80-160/110	100x80	11	15		27	27	27.3	24.5	22	16	-	-	-		-	-	-	-	-	-	-	-	
ES 80-160/150	100x80	15	20		32.8	32.6	32.5	30.2	27.5	22.1	18.5	16.7	-	-	-	-	-	-	-	-	-	-	
ES 80-160/185	100x80	18.5	25		39	38.5	38	35.7	33.5	28.8	25.3	23.5	-	-	-	-	-	-	-	-	-	-	
ES 80-160/220	100x80	22	30		44.9	44.4	43.9	42.5	39.4	34.5	30.9	29.1	-	-	-	-	-	-	-	-	-	-	
ES 80-200/220	100x80	22	30		48	47.7	47.5	43.5	40.5	32.5	27.2	24.5	-	-	-		-	-	-	-	-	-	
ES 80-200/300	100x80	30	40		60	59.7	59.5	57	54	47	42.7	40.5	-	-	-	-	-	-	-	-	-	-	
ES 80-250/370	100x80	37	50		71.5	70.9	70.5	65.5	61	49.5	43.2	38.5	-	-	-	-	-	-	-	-	-	-	
ES 80-250/450	100x80	45	60		82	86.7	80.5	76.5	71.5	62	60	51	-	-	-	-	-	-	-	-	-	-	
ES 80-250/550	100x80	55	75		95	94.5	93.5	89.9	86.5	77.6	72.1	68.3	-	-	-	-	-	-	-	-	-	-	
ES 80-315/450	100x80	45	60		88	87	85.1	84	80	70.3	63	58	-	-	-	-	-	-	-	-	-		
ES 80-315/550	100x80	55	75		101	100	98.5	98	94	83.7	76	71	-	-	-	-	-	-	-	-	-	-	
ES 80-315/750	100x80	75	100		128	127	125.2	125	121	110.5	103	98	93	83.2	-	-	-		-	-	-		
ES 80-315/900	100x80	90	125		148	147	145.8	145	141	131.1	124	118	113	103.8	-	-	-	-	-	-	-	-	
ES 80-315/1100	100x80	110	150		158	157	155.1	155	150	140.4	133	128	123	113.1	-	-	-	-	-	-	-	-	
ES 100-160/150	125x100	15	20		36.5	34.7	33.6	31	28.5	25	21.8	21.5	18.5	15.1	-	-	-	-	-	-	-	1-	
ES 100-160/185	125x100	18.5	25		40	38.7	37.6	35.3	32.9	29.5	26	25.5	22.2	18.1	-	-	-	-	-	-	-	-	
ES 100-160/220	125x100	22	30		44.5	42.2	41.1	38.6	35.9	32	28.8	28.5	25.5	22.1	-	-	-	-	-	-	-	-	
ES 100-200/220	125x100	22	30		40.3	38.2	37	34.9	32.7	29.3	27.4	27.5	25.5	23.3	16.6	13.2	-	-	-	-	-	-	
ES 100-200/300	125x100	30	40	H= Head	46.3	44	43.3	41.3	39.8	37.5	34.8	34.5	32.2	29.4	22	18.2	-	-	-	-	_	-	
ES 100-200/370	125x100	37	50	(m)	56.8	54.5	52.3	51.7	50.2	47.8	45.6	45.5	43.3	40.9	33.1	29.2	_	-	_	-	-	-	
ES 100-250/450	125x100	45	60		66.8	66.5	65.3	64.1	62	58.8	56.6	56.5	53.8	50.4	39.3	33.7	-	-	-	-	-	-	
ES 100-250/550	125x100	55	75		78.8	77.5	76.8	76.1	74.8	72.8	72.3	73	71.2	69.4	62.6	59.2	-	-	-	-	-	-	
ES 100-250/750	125x100	75	100		92.8	92.5	91.8	90.8	89	86.3	84.6	84.8	82	78.4	72	68.7	48.2	-	-	-	-	-	
ES 100-250/900	125x100	90	125		101.8	101.5	100.8	99.8	98	95.3	93.6	93.8	91	87.4	81	77.7	57.2	-	-	-	-	-	
ES 100-315/750	125x100	75	100		81.4	-	-	79.6	77.7	74.8	73.6	74.3	73	71.1	68.3	64.2	52.2	-	-	-	-	-	
ES 100-315/900	125x100	90	125		101.5	-	-	99.6	97.7	94.8	93.6	94.3	93	91.1	88.3	84.2	72.2		-	-	-	-	
ES 100-315/1100	125x100	110	150		119.6	-	-	117.6	115.7	112.8	111.6	112.3	111	109.1	106.3	102.2	90.2	-	-	-	-	-	
ES 100-315/1320	125x100	132	180		132	-	-	128.6	126.7	123.8	122.6	123.3	122	120.1	117.3	112.2	101.2	-	-	-	-	-	
ES 125-200/450	150x125	45	60		40.6	-	-	40.4	40.2	39.8	39.5	40.4	39.3	37.9	35.3	34.2	28.8	25.2	-	-	-	-	
ES 125-200/550	150x125	55	75		51.6	-	-	50.4	50.2	49.8	49.5	50.4	49.3	47.9	45.3	44.2	38.8	35.2	-		-	-	
ES 125-200/750	150x125	75	100		63	-	-	61.4	61.2	60.8	60.5	61.4	60.3	58.9	56.3	55.2	49.8	46.2	_	-	-	-	
ES 125-250/550	150x125	55	75		71	-		68.1	67	64.8	63.6	63.5	61.5	59.9	54.3	50.7	-	-	-	-	-	-	
ES 125-250/750	150x125	75	100		82	-	-	77.6	76.5	74.8	73.6	73.5	72	70.4	67.3	65.2	56.2	-	-	-	-	-	
ES 125-250/900	150x125	90	125		88		-									71.7		60.2		-	-		
ES 125-250/1100	150x125	110	150		98.9	-	-	95.9	94.7	92.8	91.8	91.1	90.5	89.1	85.7	85.2	77.5	72.4	-	-	-	-	
ES 125-315/1320			180		97.9	-	-	-								95.4			77.5	-	-	-	
ES 125-315/1600			220		114.2	-	-	-	-	-	113.4	113.3	113.2	113	112.2	111.7	110	108.1	99.5	81.6	-	-	
ES 125-315/1850			250		127.5											125					-		
ES 125-315/2000			270			-	_	_	_	-						136.2						-	

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### Performance Table

# Q=Delivery 50Hz n=1450

Model	DN	Pov	wer	GPM L/min	0	106	119	132	159	185	198	220	264	317	370 1400	396	423	476	617	661	881	1101
Model	mm	kW	HP	L/min m³/h	0	400 24	450 27	500 30	600 36	700 42	750 45	833 50	1000 60	1200 72	84	1500 90	1600 96	1800 108	2333 140	2500 150	3333 200	4167 250
ES4 65-160/11	80x65	1.1	1.5		8.2	7.7	7.5	7.4	7.1	6.7	6.4	5.9	4.9	3.5	-	-	-	-	-	-	-	-
ES4 65-160/15	80x65	1.5	2		9.2	8.7	8.6	8.5	8.2	7.8	7.5	7	6.1	4.7	-	-	-		-	-	-	
ES4 65-160/22	80x65	2.2	3		10.5	10.2	10.1	10	9.7	9.4	9.2	8.8	8	6.6	-	-	-	-	-	-	-	-
ES4 65-200/15	80x65	1.5	2		10.2	- 1	-	9.8	9.3	8.7	8.4	7.8	6.5	4.7	-	-	-	-	-	-	-	-
ES4 65-200/22	80x65	2.2	3		12.6		-	12.4	12	11.5	11.2	10.6	9.5	7.8	-	-	-	-	-	-	-	-
ES4 65-200/30	80x65	3	4		14.7	-	-	14.6	14.1	13.7	13.4	12.8	11.5	9.8	-	-	-	-	-	-	-	-
ES4 65-250/30	80x65	3	4		15.7	-	-	14.9	14.2	13.4	12.9	11.8	9.9	6.8		-	-	-	-	-	-	-
ES4 65-250/40	80x65	4	5.5		19.4	-	-	18.7	18.2	17.5	17.2	16.4	14.7	11.9	-	-	-	-	-	-	-	-
ES4 65-250/55	80x65	5.5	7.5		22.7	-	-	21.7	21.3	20.7	20.3	19.6	18.1	15.4	-	-	-	-	-	-	-	-
ES4 65-315/40	80x65	4	5.5		19.2	-	-	18.4	17.8	17.2	16.7	15.7	13.7	-	-	-	-	-	-	-	-	-
ES4 65-315/55	80x65	5.5	7.5		22.8	-	-	-	21.8	21.2	20.8	19.8	17.8	14.4	40.4	-	-	-	-	-	-	-
ES4 65-315/75	80x65	7.5	10		27.3	-	-	-	26.4	26	25.6	25	23.7	21.4	18.1	- 00.4	- 04.4	10.2	-	-	-	-
ES4 65-315/110	80x65	11	15		35.8	-	-	-	35.2	34.9	34.7	34.2	33.1	31.1	28.2	26.4	24.4	19.3	-	-	-	-
ES4 65-315/150	80x65	15	20		41.2	-	-	-	40.6	40.3	40.1	39.6	38.4	36.5	33.6 4.7	31.7	29.8	24.6	-	-	-	-
ES4 80-160/15 ES4 80-160/22	100x80	1.5	2		7.7	-	-	-		-	7.2 8.8	7 8.6	6.5 8.2	5.6 7.5	6.7	6.3	5.8	-	-	-	-	-
ES4 80-200/30	100x80 100x80	3	4		9.2	-	_	-	_	-	11.2	10.9	10.3	9.4	8.2	7.4	6.7	_	-	-	-	-
ES4 80-200/40	100x80	4	5.5		14.5			-			14.1	13.9	13.6	12.6	11.5	10.9	10.2	_				
ES4 80-250/40	100x80	4	5.5		17.3		_	_		-	16.3	15.9	15.1	13.5	11.6	10.4	9.2	_		_		
ES4 80-250/55	100x80	5.5	7.5		20.9	_	_	_	_	_	19.9	19.5	18.8	17.5	15.8	14.8	13.8	11.3	_	-	-	_
ES4 80-250/75	100x80	7.5	10		24.5		-	_	_	-	24	23.7	23	21.7	20.3	19.4	18.5	16.3	-	-		-/-
ES4 80-250/110	100x80	11	15		28.8	_	_	_	_	-	28.1	27.7	27	25.8	24.4	23.5	22.5	20.4	15.3	_	-	_
ES4 80-315/55	100x80	5.5	7.5	H= Head	20.3		_	-	-	-	19.7	19.4	18.6	17.3	15.5	14.3	13.2	10.4		-		-
ES4 80-315/75	100x80	7.5	10	(m)	25.3	-	-	-	-	-	24.6	24.3	23.7	22.6	21	20.1	19.2	16.8	-	-	-	-
ES4 80-315/110	100x80	11	15		30.8	-	-	-	-	-	30.3	30.1	29.7	28.9	27.8	27.1	26.3	24.3	1-7	13.9	-	-
ES4 80-315/150	100x80	15	20		37.9	-	-	-	-	-	37.5	37.2	36.7	35.7	34.6	34	33.4	31.8	26.1	23.7	-	-
ES4 100-160/22	125x100	2.2	3		6	-	-	-	-	-	5.9	5.8	5.6	5.4	5.1	5	4.7	4.4		-	-	-
ES4 100-160/30	125x100	3	4		8.4	-	1-1	-	-	-	8.3	8.2	8.1	7.8	7.4	7.3	7	6.6	5-2	-	-	-
ES4 100-160/40	125x100	4	5.5		11.7	-	-	-	-	-	11.7	11.6	11.4	11.1	10.8	10.7	10.4	10	8.6	8	-	
ES4 100-200/40	125x100	4	5.5		12	-	-	-	-	-	11.9	11.8	11.6	11.2	10.7	10.5	9.9	9.3	6.9	6	-	-
ES4 100-200/55	125x100	5.5	7.5		13.6		-	-	-	-	13.5	13.5	13.3	13	12.6	12.5	12.2	11.7	9.8	9	-	-
ES4 100-200/75	125x100	5.5	7.5		15.1	-	-	-	-	-	15	15	14.8	14.5	14.2	14.1	13.8	13.3	11.3	10.5	-	-
ES4 100-200/92	125x100	9.2	12.5		16.8	-	-	-	-	-	16.7	16.7	16.5	16.2	15.9	15.8	15.5	15	13.1	12.2	-	-
ES4 100-250/55	125x100	5.5	7.5		16.2		-	-	-	-	16.1	16	15.8	15.2	14.7	14.4	13.7	12.8	9.4	8.1	-	-
ES4 100-250/75	125x100	7.5	10		19.9		-	-	-	-	19.9	19.8	19.6	19.2	18.7	18.5	18	17.2	14.3	13	-	-
ES4 100-250/110	125x100	11	15		24.8	-	-	-	-	-		24.7					23.2		20.1	19	11.6	-
ES4 100-250/150	125x100	15	20		28.4	-	-	-	-	-	28.4	28.3					26.7				15.2	-
ES4 100-315/150	125x100	15	20		28.6	-	-	8	-	-	-	28.4					26.7				15.2	-
ES4 100-315/185	125x100		25		31.6	-	-		-	-	-	31.4	31.2	30.8	30.5	30.3		29.2			18.3	-
ES4 100-315/220	125x100	22	30		35.7	-	-	-	7	-	-	35.1		34.5		34		32.8		29.6		-
ES4 100-315/300	125x100	30	40		37.7	-	-	-	-	-	-	37.5	37.4	37.1		36.6	36.2		33.9	33	28.6	-
ES4 100-400/300	125x100	30	40		47.3	-	-	-	-	-	-	-	46.9	46.9	46.9	46.9	45.9		42.8	40.8	30.2	-
ES4 100-400/370	125x100	37	50		52.8	-	-	-	-	-	-	-	52.3	52.2		52	51.5	50.5	48.5	46.9	38	22.7
ES4 100-400/450	125x100	45	60		58.2	-	-	-	-	-	-	-	57.8				57.1		54.1	53	45.9	32.7
ES4 100-400/550	125x100	55	75		65.3	-	-	-	-	11-	-	-	65	64./	64.4	64.3	64.3	63.2	61.2	60.2	53	39.9



### Performance Table

### Q=Delivery 50Hz n=1450

Citorinana	iormance rable														Q-Delivery					3011211-1430			
	DN	Po	wer	GPM	0	132	154	176	220	264	396	441	485	617	661	881	1101	1322	1762	2203	2643		
Model	mm	kW	HP	L/min m³/h	0	500 30	583 35	667 40	833 50	1000	1500 90	1667 100	1833	2333	2500 150	3333 200	4167 250	300	6667 400	8333 500	10000		
ES4 125-200/55	150x125	5.5	7.5	111 /11	11.6	11.3	11.3	11.2	11.1	11	10.4	10.2	9.9	9.1	8.8	7	-	-	-	-	-		
ES4 125-200/75		7.5	10		14.4	14.2	14.1	14.1	14	13.9	13.4	13.2	13	12.1	11.8	9.8	_	_	_	_	_		
ES4 125-200/110	150x125	11	15		18.5	18.3	18.2	18.2	18.1	18	17.4	17.2	17	16.2	15.9	13.9	10	_	_	-	-		
ES4 125-250/75		7.5	10		15.7	-	-	-	-	15.6	15.3	15.1	14.9	13.9	13.4	-	-	_	-	-	_		
ES4 125-250/110	150x125	11	15		19.8	_	-	_	-	19.7	19.5	19.4	19.3	18.5	18.2	15.6	11.9	_	_		_		
ES4 125-250/150	150x125	15	20		23.7	-	-	-	-	23.8	23.6	23.5	23.4	22.4	22.4	20.2	16.8	12.5	-	-	-		
ES4 125-250/185	150x125	18.5	25		26.1	-	-	_	-	26	26	25.9	25.8	25.4	25.2	23.5	20.7	16.8	-				
ES4 125-315/185	150x125	18.5	25		27.8	-	-	-	-	-	-	27.4	27.2	26.4	26.1	23.8	20.1	15.2	-	-	_		
ES4 125-315/220	150x125	22	30		30.6	-	-	-	-	-	-	30.3	30.2	29.5	29.2	27	23.7	18.8	-		_		
ES4 125-315/300	150x125	30	40		36.3	_	-	_	-	-	-	36.1	36	35.5	35.3	33.6	30.7	26.6	-	-	-		
ES4 125-315/370	150x125	37	50		39	-	-	-	-	-	-	38.8	38.7	38.1	37.9	36.4	33.8	30	18.2	-			
ES4 125-400/300	150x125	30	40		41.8	-	-	-	-	-	41.8	41.3	41.1	40	39.4	35.1	28.1	18.7	-	-	-		
ES4 125-400/370	150x125	37	50		47.1	-	-	-	-	-	46.9	46.6	46.4	45.5	45.1	41.5	35.5	27	-	-	-		
ES4 125-400/450	150x125	45	60		52.4	-	-	-	-	-	52	51.9	51.8	51.1	50.8	47.9	43	35.5	-	-	-		
ES4 125-400/550	150x125	55	75		57.6	-	-	-	-	-	57.4	57.4	57.3	57	56.8	54.9	51.3	45.6	27.2	-	-		
ES4 125-400/750	150x125	75	100		65.8	-	-	-	-	-	65.6	65.6	65.5	65.2	65	63	59.5	53.8	35.4	-	-		
ES4 125-400/900	150x125	90	125	H=	71.4	-	-	-	-	-	71.2	71.2	71.1	70.8	70.6	68.6	65.1	59.4	41	-	-		
ES4 150-200/110	200x150	11	15	Head	14.3	-	-	-	-	-	-	-	13.8	13.7	13.6	13.4	13.2	11.9	8	-	-		
ES4 150-200/150	200x150	15	20	(m)	16.6	-	-	-	-	-	-	-	15.8	15.6	15.5	15.1	14.6	13.8	11.3	-	-		
ES4 150-200/185	200x150	18.5	25		18.7	-	-	-	-	-	-	-	17.9	17.6	17.5	17.1	16.6	15.8	13.4	10.2	-		
ES4 150-200/220	200x150	22	30		20.7	-	-	-	-	-	-	-	19.9	19.7	19.6	19.2	18.7	17.9	15.4	12.2	-		
ES4 150-250/150	200x150	15	20		17.9	-	-	-	-	-	-	-	-	-	17.1	16.2	15	13.5	9.4	-	-		
ES4 150-250/185	200x150	18.5	25		21.7	-	-	-	-	-	-	-	-	-	21.2	20.4	19.3	17.9	14.1	8.9	-		
ES4 150-250/220	200x150	22	30		24.5	-	-	-	-	-	-	-	-	-	24.1	23.5	22.4	21.2	17.4	12.2	-		
ES4 150-250/300	200x150	30	40		26	-	-	-	-	-	-	-	-	Tu.	25.5	25	24	22.4	19.2	14.1	-		
ES4 150-315/300	200x150	30	40		30.8	-	-	-	-	-	-	-	-	-	30.3	29.6	28.5	26.9	22.7	-	-		
ES4 150-315/370	200x150	37	50		34.3	-	-	-	-	-	-	-	-	-	34.2	33.4	32.3	31	27.2	21.8	-		
ES4 150-315/450	200x150	45	60		38.5	-	-	-	-	-	-	-	-	-	38.4	37.6	36.6	35.4	31.9	27	-		
ES4 150-315/550	200x150	55	75		40.8	-	-	-	-	-	-	-	-	-	40.8	40.1	39.2	37.9	34.6	30	-		
ES4 150-315/750	200x150	75	100		47.9	-	-	-	-	-	-	-	-	-	47.9	47.2	46.3	45.1	41.7	37.1	29.6		
ES4 150-400/550	200x150	55	75		49.2	-	-	-	-	-	-	-	-	48.7	49	46.9	45.9	42.8	37.5	29.8	-		
ES4 150-400/750	200x150	75	100		56.5	-	-	-	-	-	-	-	-	56.1	56.1	55.1	54.1	52	47.9	41.8	32.8		
ES4 150-400/900	200x150	90	125		60.7	-	-	-	-	-	-	-	-	60.2	60.2	59.2	58.1	57.1	53	46.9	38.5		
ES4 150-400/1100	200x150	110	150		66.8	-	-	-	-	-	-	-	-	66.3	66.3	65.3	64.3	63.2	59.2	53	44.6		
ES4 150-400/1320	200x150	132	180		73.4	-	-	-	-	-	-	-	-	72.9	72.9	71.9	70.9	69.9	65.8	59.7	51.2		

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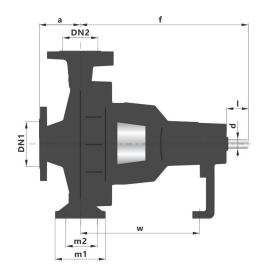


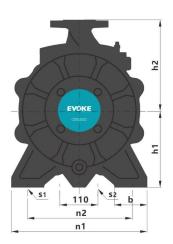
### Performance Table

# Q=Delivery 50Hz n=1450

Model	DN	Po	wer	GPM	0	881	1322	1762	2203	2643	3084	3524	3965	4405	4846	5286	5727	6167	6608
Model	mm	kW	HP	L/min m³/h	0	3333	5000 300	6667 400	8333 500	10000 600	11667 700	13333 800	15000 900	16667 1000	18333	1200	1300	23333 1400	25000 1500
Es4 200-250/370	250x200	37	50		23.5	22.4	21.4	20.2	18.7	16.4	13.1	9.5	-	-	-	-	-	-	-
ES4 200-250/450	250x200	45	60		26.5	25.5	24.5	23.3	21.7	19.5	16.1	12.5	-	-	-	-	-	-	-
ES4 200-250/550	250x200	55	75		31.3	30.3	29.3	28.1	26.5	24.3	20.9	17.3	-	-	-	-	-	-	-
ES4 200-315/550	250x200	55	75		31.7	31.6	30.6	29.9	28.1	25.5	21.7	16.3	-	-	-	-	-,	-	-
ES4 200-315/750	250x200	75	100		35.8	35.7	34.7	34	32.1	29.6	25.8	20.4	-	-	-	-	-	-	-
ES4 200-315/900	250x200	90	125		42.9	42.8	41.8	41.1	39.3	36.7	32.9	27.5	-	-	-			-	-
ES4 200-400/750	250x200	75	100		41.8	41.7	41.2	39.7	38.1	35.6	33.6	29.5	-	-	-	-	-	-	-
ES4 200-400/900	250x200	90	125		47.4	47.3	46.8	45.3	43.8	41.2	39.2	35.1	-	-	-	-	-	-	-
ES4 200-400/1100	250x200	110	150	H=	53.4	53.3	52.8	51.3	49.8	47.2	45.2	41.1	-	-	-	-	-	-	-
ES4 200-400/1320	250x200	132	180	Head	61.3	61.2	60.7	59.2	57.6	55.1	53	49	40.8	-	-	-	-	-	-
ES4 250-315/900	300x250	90	125	(m)	31.1	-	-	29.6	28.9	28.6	28.2	27.5	26.9	26.3	25.3	23.5	22.2	-	-
ES4 250-315/1100	300x250	110	150		35.2	-	-	33.7	32.9	32.6	32.2	31.6	31	30.4	29.4	27.5	26.3	-	-
ES4 250-315/1320	300x250	132	180		39.3	-	-	37.7	37	36.7	36.3	35.7	35.1	34.5	33.5	31.6	30.4	28.6	-
ES4 250-315/1600	300x250	160	220		45.9	-	-	44.4	43.7	43.4	42.9	42.3	41.7	41.1	40.1	38.3	37	35.2	-
ES4 250-400/1600	300x250	160	220		43.9	-	-	42.8	42	41.6	40.8	39.8	38.8	37.7	36.7	34.7	33.2	30.6	-
ES4 250-400/1850	300x250	185	250		47.9	-	_	46.9	46.1	45.7	44.9	43.9	42.8	41.8	40.8	38.8	37.2	34.7	-
ES4 250-400/2000	300x250	200	270		54.1	-	-	53	52.2	51.8	51	50	49	47.9	46.9	44.9	43.4	40.8	38.8
ES4 250-400/2200	300x250	220	300		59.2	-	-	58.1	57.3	56.9	56.1	55.1	54.1	53	52	50	48.5	45.9	43.9
ES4 250-400/2500	300x250	250	340		67.3	-	-	66.3	65.5	65.1	64.3	63.2	62.2	61.2	60.2	58.1	56.6	54.1	52







### **Installation Dimension**

40.00								Dime	nsions							
Model	DN1	DN2	а	f	h1	h2	b	m1	m2	n1	n2	s1	s2	w	d	1
ES 32-160	50	32	80	360	132	160	55	95	70	240	190	14	14	260	24	50
ES 32-200	50	32	80	360	160	180	55	95	70	240	190	14	14	260	24	50
ES 32-250	50	32	80	360	160	180	55	95	70	240	190	14	14	260	24	50
ES 40-160	65	40	80	360	132	160	50	100	70	240	190	14	14	260	24	50
ES 40-200	65	40	100	360	160	180	55	100	70	265	212	14	14	260	24	50
ES 40-250	65	40	100	360	180	225	65	125	95	320	250	14	14	260	24	50
ES 50-125	65	50	100	360	132	180	50	100	70	240	190	14	14	260	24	50
ES 50-160	65	50	100	360	160	200	55	100	70	265	212	14	14	260	24	50
ES 50-200	65	50	100	360	160	225	50	100	70	265	212	14	14	260	24	50
ES 50-250	65	50	100	360	180	180	65	125	95	320	250	14	14	260	24	50
ES 65-125	80	65	100	360	160	250	65	125	95	280	212	14	14	260	24	50
ES 65-160	80	65	100	360	160	200	65	125	95	280	212	14	14	260	24	50
ES 65-200	80	65	100	360	180	225	65	125	95	320	250	14	14	260	24	50
ES 65-250	80	65	100	470	200	250	80	160	120	360	280	18	14	340	32	80
ES 65-315	80	65	125	470	225	280	80	160	120	360	280	18	14	340	32	80
ES 80-125	100	80	100	360	180	225	65	125	95	320	250	14	14	260	24	50
ES 80-160	100	80	100	360	180	225	65	125	95	345	250	14	14	260	24	50
ES 80-200	100	80	100	470	200	250	65	125	95	345	280	14	14	340	32	80
ES 80-250	100	80	100	470	200	280	80	160	120	400	315	18	14	340	32	80
ES 80-315	100	80	125	470	250	315	80	160	120	400	315	18	14	340	24	50
ES 100-160	125	100	125	360	200	280	80	160	120	360	280	18	14	260	32	80
ES 100-200	125	100	125	470	200	280	80	160	120	360	280	18	14	340	32	80
ES 100-250	125	100	125	470	225	280	80	160	120	400	315	18	14	340	32	80
ES 100-315	125	100	140	470	250	315	80	160	120	400	315	19	14	340	32	80
ES 100-400	125	100	140	530	280	355	100	200	150	500	400	23	14	370	42	110
ES 125-200	150	125	140	470	250	315	80	160	120	400	315	19	14	340	32	80
ES 125-250	150	125	140	470	250	355	80	160	120	400	315	19	14	340	32	80
ES 125-315	150	125	140	530	280	355	100	200	150	500	400	23	14	370	42	110
ES 125-400	150	125	140	530	315	400	100	200	150	500	400	23	14	370	42	110
ES 150-200	200	150	160	470	280	400	100	200	150	550	450	23	14	370	32	80
ES 150-250	200	150	160	530	280	400	100	200	150	550	450	23	14	370	42	110
ES 150-315	200	150	160	530	280	400	100	200	150	550	450	23	14	370	42	110
ES 150-400	200	150	160	530	315	450	100	200	150	550	450	23	14	370	42	110
ES 200-250	250	200	180	530	355	475	100	200	150	550	450	23	14	370	42	110
ES 200-315	250	200	180	530	355	450	100	200	150	550	450	23	14	370	42	110
ES 200-400	250	200	180	770	400	500	110	300	250	710	600	28	14	525	60	140
ES 250-315	300	250	250	530	400	500	110	300	250	710	600	28	14	525	42	110
ES 250-400	300	250	250	770	400	560	110	300	250	710	600	28	14	525	60	140

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