



# E-Series //

/ Contractor / Jet Aerator / Drainage / Sewage / Grinder

















# *PUMP*

# Evak Pump Technology

— With experience at the helm.

At Evak we are proud of the long term experience and know how matured in the design of pumps and pumping related equipment. The traditional and well known Taiwanese skill at manufacturing reflects in the quality of our products.

Kenny K.  
EVAK PUMP TECHNOLOGY CORP.

Type	Contractor						Jet Aerator	Drainage	
	P3	P3	P4	P4	P5	P5	P5	P6	P6
Index									
	EUS	EUSR	EUT	EUBL	EUB(S/I)	EUBR(S/I)	EJ	EF	EFSS
Phase	1PH	•	•	•	•	•	•	•	•
	3PH	•		•	•	•	•	•	•
Duck Foot	 QS  QM Cast Iron						•	•	
	 SQS  SQM 304/316 SST								
	 QH Cast Iron								
	 QM-65  QD-80 Cast Iron								
HP	0.15								
	0.2								
	0.3								
	0.5	•	•	•		•	•	•	
	0.75								•
	1	•		•	•	•	•	•	•
	1.5								•
	2	•				•		•	•
	3							•	•
	5							•	•
	7.5							•	•
	10								
	15								
	20								
30									
40									
50									
60									

Corp.



Single phase only up to 2HP.

Sewage												Grinder
<small>P7</small> ECF	<small>P7</small> EW	<small>P8</small> EWS	<small>P8</small> EWSS	<small>P9</small> HIPPO	<small>P9</small> HIPPO DN	<small>P10</small> EA	<small>P10</small> EC	<small>P11</small> ECL	<small>P12</small> ECM	<small>P13</small> ECW	<small>P13</small> ESV	<small>P14</small> EG
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Introduction



## EUS

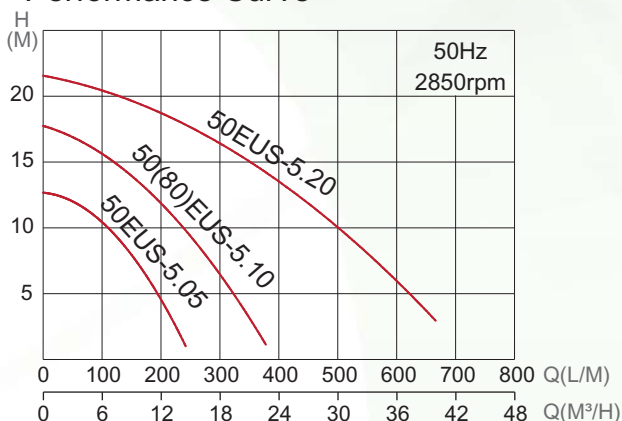
### Materials

Mech. Seal	SIC/SIC+CA/CE
Shaft	SUS 410
Impeller	Hytrel



Steel coated with thermoplastic polyester elastomer

### Performance Curve



### Feature

- High abrasive resistance resin Vortex impeller
- Double mechanical seal / Designed Agitator
- Auto reset thermal protector / Non air locking
- Auto version for small pit usage

### Application

- Residential, commercial, industrial dewatering and site drainage
- Decorative waterfalls and fountains.
- Raw water supply from lakes or rivers.
- Sediment removal from small sumps or basins

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EUS-5.05	0.5	0.37	2"	3	0.9	10	109
50EUS-5.05A	0.5	0.37	2"	3	0.9	10	109
50(80)EUS-5.10	1	0.75	2"(3")	5.6	1.9	12	196
50(80)EUS-5.10A	1	0.75	2"(3")	5.6	1.9	12	196
50(80)EUS-5.20	2	1.5	2"(3")	13	3.5	16	315
50(80)EUS-5.20A	2	1.5	2"(3")	13	3.5	16	315

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EUS-5.05	12.7	242	2	6	12
50EUS-5.05A	12.7	242	2	6	12.5
50(80)EUS-5.10	18	378	2	6	15
50(80)EUS-5.10A	18	378	2	6	15.5
50(80)EUS-5.20	21.5	666	2	6	19
50(80)EUS-5.20A	21.5	666	2	6	19.5



## EUSR

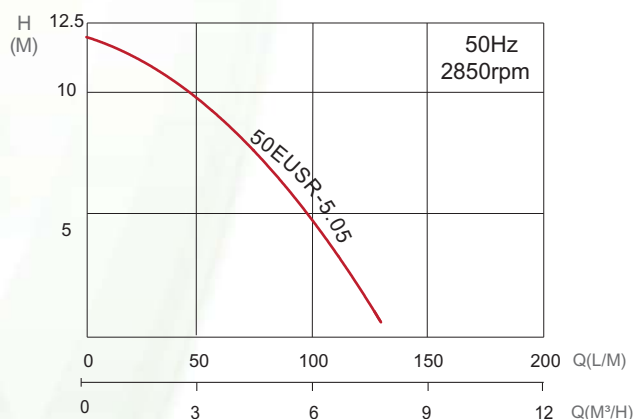
### Materials

Mech. Seal	SIC/SIC+CA/CE
Shaft	SUS 410
Impeller	Hytrel



Steel coated with thermoplastic polyester elastomer

### Performance Curve



### Feature

- Submersible single-phase portable residue drainage pump.
- Rubber lined base plate protects the floor surface from scratching.
- The wear parts are made of abrasion-resistant materials.
- Discharge direction is selectable between vertical and inclined

### Application

- Residential, commercial, industrial dewatering and site drainage
- Construction sites and civil engineering projects
- Basement, parking lots, removing residue water

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EUSR-5.05	0.5	0.37	2"	3	0.9	7	75

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EUSR-5.05	12	120	2	3	11





## EUT

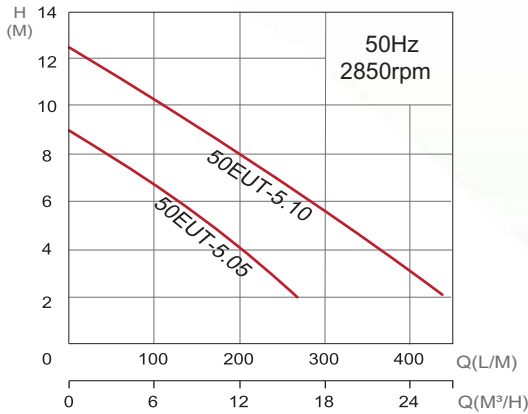
### Materials

Mech. Seal	SIC/SIC+CA/CE
Shaft	SUS 410
Impeller	Hytrel



Steel coated with thermoplastic polyester elastomer

### Performance Curve



### Feature

- High abrasive resistance resin Vortex impeller
- Double mechanical seal / Designed Agitator
- Auto reset thermal protector / Non air locking
- Auto version for small pit usage

### Application

- Residential, commercial, industrial dewatering and site drainage
- Decorative waterfalls and fountains.
- Raw water supply from lakes or rivers.
- Sediment removal from small sumps or basins

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EUT-5.05	0.5	0.37	2"	3	0.9	6.5	125
50EUT-5.05A	0.5	0.37	2"	3	0.9	6.5	125
50EUT-5.10	1	0.75	2"	5.6	1.9	8.5	200
50EUT-5.10A	1	0.75	2"	5.6	1.9	8.5	200

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EUT-5.05	9	270	2	35	15
50EUT-5.05A	9	270	2	35	15.5
50EUT-5.10	12.5	440	2	35	18
50EUT-5.10A	12.5	440	2	35	18.5

## EUBL



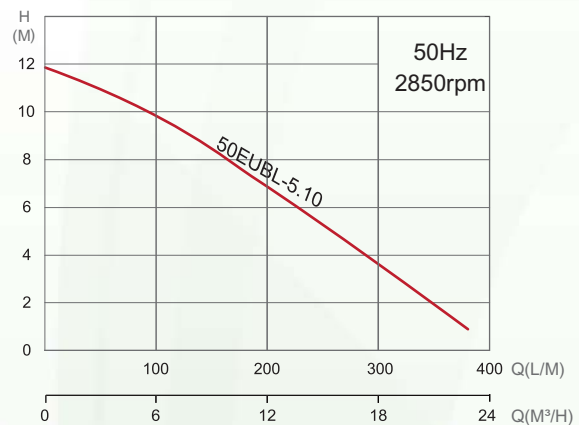
### Materials

Mech. Seal	SIC/SIC+CA/CE
Shaft	SUS 410
Impeller	Hytrel



Steel coated with thermoplastic polyester elastomer

### Performance Curve



### Feature

- High resistance to liquids containing sand and gravel
- Free passage to 38 mm in diameter
- Light weight
- Pump body is highly resistant to impact
- Quick & easy replacement of wear components

### Application

- Construction and industrial sites
- Tunneling, public works, floods
- Emergency situation

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EUBL-5.10	1	0.75	2"	5.6	2	8	165

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EUBL-5.10	11.7	380	2	38	15

# EUB/EUBS(I)/EUBR/EUBRS(I)



EUB/EUBR impeller in Steel coated with thermoplastic polyester elastomer

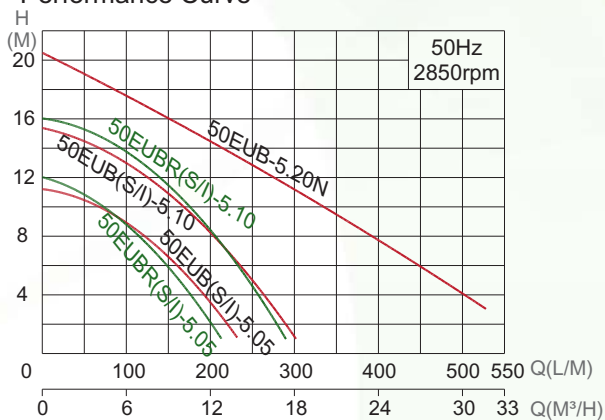


EUBS(I)/EUBRS(I) Impeller in SUS304 or SUS 316

## Materials

	EUB/EUBR	EUBS/EUBRS	EUBI/EUBRI
Mech.Seal	SIC/SIC+CA/CE	SIC/SIC+CA/CE	SIC/SIC+CA/CE
Shaft	SUS 410	SUS 304	SUS316
Impeller	Hytrel	SUS 304	SUS316

## Performance Curve



## Feature

- High resistance to abrasive liquids
- Double mechanical seal in Si. Ca
- Vortex impeller made of resin
- KLIXON thermal overload protection is available upon request
- Compact design & Light weight
- Shaft in Stainless steel AISI 410

## Application

- Site drainage, mining, tunneling, public works, floods
- Cement industry, river intake, civil engineering projects
- Basement, parking lots, removing residue water (EUBR/EUBRS/EUBRI)
- Version "S" in AISI 304 and "I" in AISI 316 are suitable for chemical liquids in drainage and general pumping applications

Type	Output		Discharge Inch	F.L.A.		Rated	
	Hp	Kw		1ø 230V	3ø 400V	Head m	Cap. LPM
50EUB(S/I)-5.05	0.5	0.37	2"	3	0.9	8	122
50EUBR(S/I)-5.05	0.5	0.37	2"	3	0.9	8	115
50EUB(S/I)-5.10	1	0.75	2"	5	1.9	10	168
50EUBR(S/I)-5.10	1	0.75	2"	5	1.9	10	176
50EUB-5.20N	2	1.5	2"	12	3.5	11	305

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EUB(S/I)-5.05	11.4	232	2	6	12
50EUBR(S/I)-5.05	12	213	2	2	11
50EUB(S/I)-5.10	15.2	302	2	6	15
50EUBR(S/I)-5.10	16	290	2	2	14
50EUB-5.20N	20.6	528	2	6	24

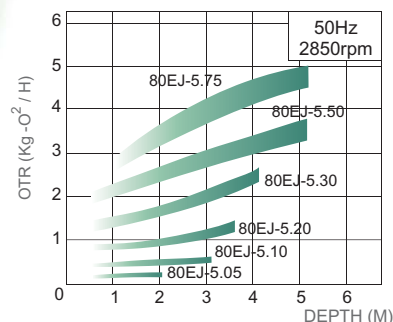
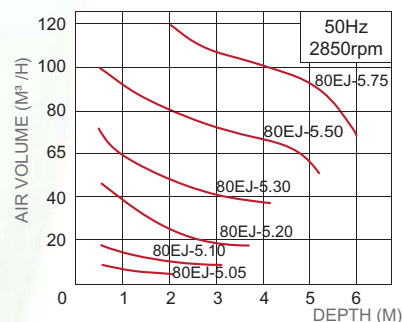
# EJ

## Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 410



## Performance Curve



## Feature

- High oxygen transfer rate
- BOD easy to remove from wastewater treatment
- Mixing and stirring applications for uniform MLSS
- Provide coarse/gross bubbles

## Application

- The wastewater treatment aeration and agitation

Type	Output		Discharge Inch	F.L.A.	
	HP	KW		1ø 230V	3ø 400V
80EJ-5.05	0.5	0.37	3"	4	1.2
80EJ-5.10	1	0.75	3"	6	2
80EJ-5.20	2	1.5	3"	11.3	3.5
80EJ-5.30	3	2.2	3"	-	5.2
80EJ-5.50	5	3.7	3"	-	8.6
80EJ-5.75	7.5	5.5	3"	-	12

Type	Rated		Pole	Free Passage mm	Weight kg	
	OTR kg-O²/H	AIR m³/hr				
80EJ-5.05	0.12~0.23	5	1.5	2	-	22.2
80EJ-5.10	0.3~0.5	10	2	2	-	27
80EJ-5.20	0.9~1.1	22	2.5	2	-	37.7
80EJ-5.30	1.9~2.2	40	3	2	-	38.8
80EJ-5.50	2.8~3.3	70	3.5	2	-	54
80EJ-5.75	4.2~4.8	100	4	2	-	60

EF

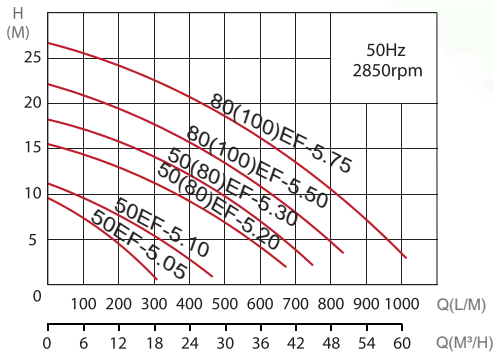


High Efficiency Impeller

Materials

Mech. Seal	0.5HP~3HP : CA/CE+CA/CE 5HP~7.5HP : SIC/SIC+CA/CE
Shaft	SUS 410
Motor Housing	SUS 304
Bearing	NTN

Performance Curve



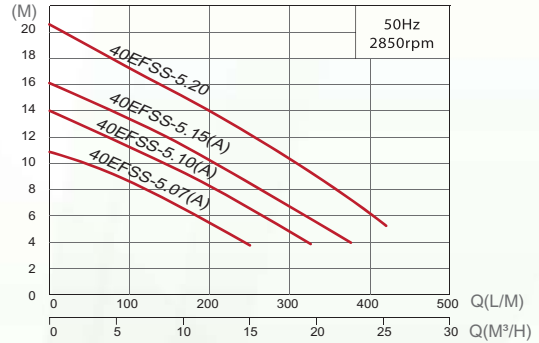
EFSS



Materials

Mech. Seal	SIC/SIC/NBR
Impeller	SUS 304
Shaft	SUS 304

H Performance Curve



Feature

- Fully made in stainless steel SUS 304
- Double mechanical seal in Si.Ca and V ring oil seal
- Suction flange line with thermoplastic polyurethane for increased resistance to abrasion
- Suspended solids handled up to 8 mm.
- Thermal protector embedded in the winding (single phase)
- 10 metres HO7RN-F neoprene power cable

Application

- Drainage of cellars, basements, garages
- Emptying of tanks and reservoirs - irrigation of lawn and garden
- Pumping of domestic grey water, washing machines, showers
- Pumping of clean and dirty water

Feature

- Compact Design / light weight
- With High Efficiency Impeller
- Double Mechanical Seals
- Reliable Shaft sealing
- Automatic Operation (Optional)

Application

- Light duty / basement drainage
- Rainwater effluent
- Accumulated water drainage

Type	Output		Discharge	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EF-5.05	0.5	0.37	2"	4	1.2	6	150
50EF-5.10	1	0.75	2"	6	2	8	150
50(80)EF-5.20	2	1.5	2"(3")	11.3	3.5	10	360
50(80)EF-5.30	3	2.2	2"(3")	-	5.2	11	450
80(100)EF-5.50	5	3.7	3"(4")	-	8.6	8	700
80(100)EF-5.75	7.5	5.5	3"(4")	-	12	12	750

Type	Maximum		Pole	Free Passage	Weight
	Head m	Cap. LPM			
50EF-5.05	9.5	310	2	5	12.2
50EF-5.10	11	450	2	5	19
50(80)EF-5.20	15.5	680	2	5.5	35.7
50(80)EF-5.30	18.5	800	2	5.5	36.8
80(100)EF-5.50	22.5	950	2	5.5	56
80(100)EF-5.75	26.5	1100	2	5.5	62

Type	Output		Discharge	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
40EFSS-5.07	0.75	0.55	1-1/2"	3.58	1.33	8.6	100
40EFSS-5.07A	0.75	0.55	1-1/2"	3.58	-	8.6	100
40EFSS-5.10	1	0.75	1-1/2"	4.78	2.07	11.2	100
40EFSS-5.10A	1	0.75	1-1/2"	4.78	-	11.2	100
40EFSS-5.15	1.5	1.1	1-1/2"	7.21	2.48	11.9	150
40EFSS-5.15A	1.5	1.1	1-1/2"	7.21	-	11.9	150
40EFSS-5.20	2	1.5	1-1/2"	-	3.31	15.6	150

Type	Maximum		Pole	Free Passage	Weight
	Head m	Cap. LPM			
40EFSS-5.07	10.9	250	2	8	11
40EFSS-5.07A	10.9	250	2	8	11.5
40EFSS-5.10	14	325	2	8	14(1PH)/11(3PH)
40EFSS-5.10A	14	325	2	8	14.5
40EFSS-5.15	16.1	375	2	8	16(1PH) / 14(3PH)
40EFSS-5.15A	16.1	375	2	8	16.5
40EFSS-5.20	20.6	420	2	8	16

### ECF



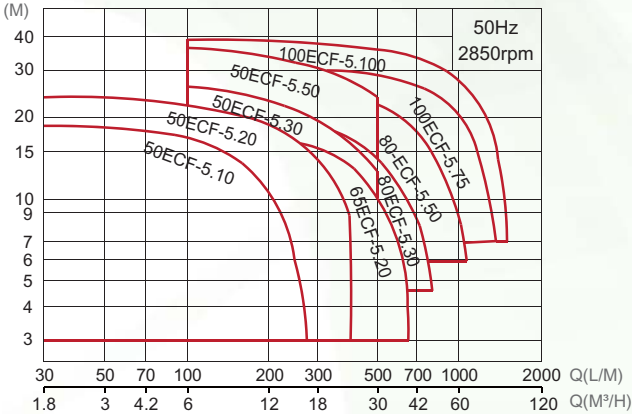
Semi-Open impeller



#### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200/FCD 400
Shaft	SUS 403

#### Performance Curve



#### Feature

- Compact Design/Light Weight
- Built-In Motor protection
- High Efficiency Semi-open Impeller
- Automatic Operation (Optional)

#### Application

- Purification tank drainage
- Rain and spring water drainage
- Irrigation
- Sump Dewatering

Type	Output		Discharge Inch	F.L.A.		Max Head	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50ECF-5.10	1	0.75	2"	-	1.9	19.3	30
50ECF-5.20	2	1.5	2"	-	3.3	23.7	30
50ECF-5.30	3	2.2	2"	-	5	26.2	100
50ECF-5.50	5	3.7	2"	-	7.8	36.1	100
65ECF-5.20	2	1.5	2.5"	-	3.3	16.6	240
80ECF-5.30	3	2.2	3"	-	5	18.3	360
80ECF-5.50	5	3.7	3"	-	7.8	22.9	500
100ECF-5.75	7.5	5.5	4"	-	10.8	30.4	340
100ECF-5.100	10	7.5	4"	-	14.3	38.6	100

Type	Max Cap.		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50ECF-5.10	2	280	2	5	17
50ECF-5.20	8.4	400	2	5	25
50ECF-5.30	11.9	500	2	5	55
50ECF-5.50	23.3	500	2	5	61
65ECF-5.20	4.5	650	2	6	35
80ECF-5.30	4.5	800	2	7	59
80ECF-5.50	6	1060	2	7	64
100ECF-5.75	7	1350	2	8	92
100ECF-5.100	7	1500	2	8	104

### EW



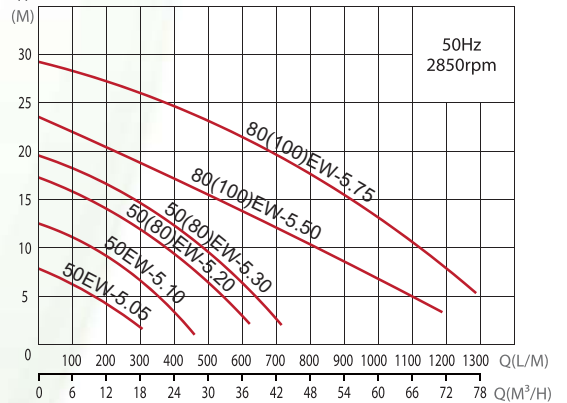
Vortex impeller



#### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 410

#### Performance Curve



#### Feature

- Vortex Impeller/Non-clogging
- Minimized abrasive wear
- Large impeller clearance
- Maintenance free
- Double Mech. Seal

#### Application

- Medium concentration wastewater
- Heavy duty

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EW-5.05	0.5	0.37	2"	4	1.2	6	150
50EW-5.10	1	0.75	2"	6	2	9	200
50(80)EW-5.20	2	1.5	2"(3")	11.3	3.5	10	350
50(80)EW-5.30	3	2.2	2"(3")	-	5.2	11	450
80(100)EW-5.50	5	3.7	3"(4")	-	8.6	10	800
80(100)EW-5.75	7.5	5.5	3"(4")	-	12	12	1040

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EW-5.05	8	320	2	35	13.2
50EW-5.10	12.5	460	2	35	18
50(80)EW-5.20	17.5	650	2	45	34.7
50(80)EW-5.30	19.5	750	2	45	35.8
80(100)EW-5.50	23.5	1200	2	45	56
80(100)EW-5.75	29.5	1400	2	45	62



## EWS

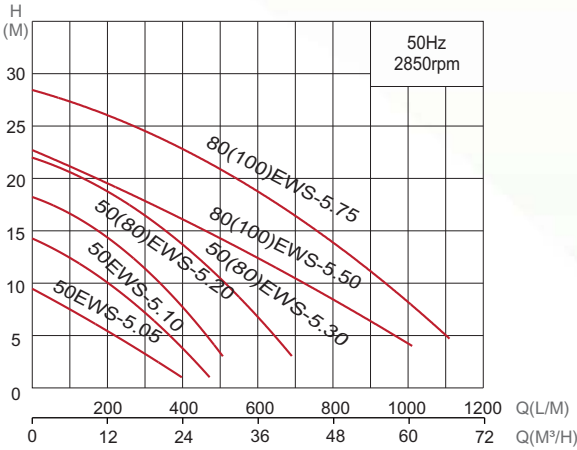


Vortex Impeller  
316 Stainless Steel

### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	SUS 316
Shaft	SUS 316

### Performance Curve



### Feature

- Vortex Impeller / Non-clogging
- Minimized abrasive wear
- Large impeller clearance
- Maintenance free
- Double Mech. Seal in Si. Ca
- Loss wax 316 Stainless Steel

### Application

- Medium concentration wastewater
- Heavy duty

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EWS-5.05	0.5	0.37	2"	3.4	1.4	5.4	200
50EWS-5.10	1	0.75	2"	6	2.2	9	240
50(80)EWS-5.20	2	1.5	2"(3")	9.8	4.2	12	280
50(80)EWS-5.30	3	2.2	2"(3")	-	5.7	14.7	360
80(100)EWS-5.50	5	3.7	3"(4")	-	7.5	13.2	560
80(100)EWS-5.75	7.5	5.5	3"(4")	-	11.4	18.7	600

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EWS-5.05	9.5	398	2	35	13.2
50EWS-5.10	14.3	472	2	35	18
50(80)EWS-5.20	18.3	507	2	45	34.7
50(80)EWS-5.30	22.1	690	2	45	35.8
80(100)EWS-5.50	23.3	1010	2	45	56
80(100)EWS-5.75	28.8	1110	2	45	62

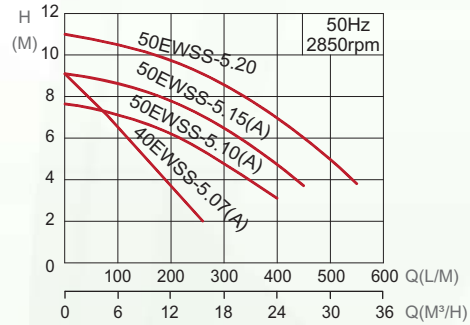
## EWSS



### Materials

Mech. Seal	SIC/SIC/NBR
Impeller	SUS 304
Shaft	SUS 304

### Performance Curve



### Feature

- Fully made in stainless steel SUS 304
- Double mechanical seal in Si.Ca and V ring oil seal
- Suspended solids up to 50 mm.
- Thermal protector embedded in the winding (single phase)
- Impeller in stainless steel SUS 304

### Application

- Pumping of effluent also with suspended solids up to 50 mm. diameter and filaments
- Emptying of septic tanks and residential sumps
- Pumping of sewage in both residential and industrial applications
- Drainage of cellars, basements, garages

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
40EWSS-5.07	0.75	0.55	1 1/2"	3.58	1.33	7.1	80
40EWSS-5.07A	0.75	0.55	1 1/2"	3.58	-	7.1	80
50EWSS-5.10	1	0.75	2"	4.78	2.07	7.1	100
50EWSS-5.10A	1	0.75	2"	4.78	-	7.1	100
50EWSS-5.15	1.5	1.1	2"	7.21	2.48	8.6	100
50EWSS-5.15A	1.5	1.1	2"	7.21	-	8.6	100
50EWSS-5.20	2	1.5	2"	-	3.31	10.2	150

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
40EWSS-5.07	9.1	260	2	35	11.2
40EWSS-5.07A	9.1	260	2	35	11.7
50EWSS-5.10	7.7	400	2	50	14.2(1PH)/12.2(3PH)
50EWSS-5.10A	7.7	400	2	50	14.7
50EWSS-5.15	9.1	450	2	50	15.2(1PH)/14.2(3PH)
50EWSS-5.15A	9.1	450	2	50	15.7
50EWSS-5.20	11	550	2	50	15.2

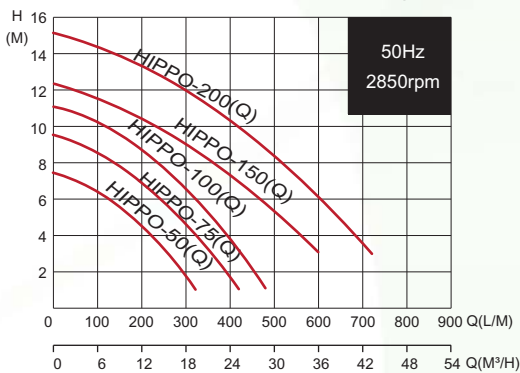
## HIPPO



### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 410

### Performance Curve



### Feature

- Recess vortex impeller
- 2" gas discharge
- 2" (50mm) solid free-passage
- EKK Eagle Burgmann double mechanical seal in Si.Ca
- Stainless steel motor housing

### Application

- For heavy-duty applications with soiled biological wastewaters, sewage, rainwater
- For both domestic and professional use

### Operating Limits

- Viscosity of treated fluid : 1mm<sup>2</sup>/s
- Maximum immersion depth : 10m
- Density of treated fluid : 1kg/dm<sup>3</sup>
- Max starts per hour : 20

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
HIPPO-50(Q)	0.5	0.37	2"	3.8	1.5	4.5	200
HIPPO-75(Q)	0.75	0.55	2"	5.4	1.7	6.4	220
HIPPO-100(Q)	1	0.75	2"	6.7	2.4	7.7	250
HIPPO-150(Q)	1.5	1.1	2"	9	2.8	8	360
HIPPO-200(Q)	2	1.5	2"	12	3.9	10.3	400

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
HIPPO-50(Q)	7.6	320	2	50	14(15.5)
HIPPO-75(Q)	9.7	420	2	50	15(16.5)
HIPPO-100(Q)	11.3	480	2	50	16.5(18)
HIPPO-150(Q)	12.5	600	2	50	25(26.5)
HIPPO-200(Q)	15.5	720	2	50	26(27.5)

## HIPPO DN



### Feature

- Recessed vortex impeller
- 2.5" & 3" (65mm&80mm) solid free-passage
- EKK Eagle Burgmann double mechanical
- Stainless steel motor housing

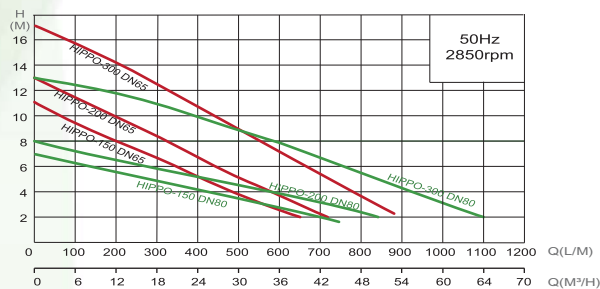
### Application

- For heavy-duty applications with soiled biological wastewaters, sewage, rainwater
- For both domestic and professional use

### Operating Limits

- Viscosity of treated fluid : 1mm<sup>2</sup>/s
- Density of treated fluid : 1kg/dm<sup>3</sup>
- Max starts per hour : 20

### Performance Curve



Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
HIPPO-150 DN65	1.5	1.1	2.5"	9.8	3	6.6	300
HIPPO-200 DN65	2	1.5	2.5"	11	3.9	8.4	300
HIPPO-300 DN65	3	2.2	2.5"	-	5.3	12.6	300
HIPPO-150 DN80	1.5	1.1	3"	9.8	3	4.4	400
HIPPO-200 DN80	2	1.5	3"	11.2	3.9	5.3	400
HIPPO-300 DN80	3	2.2	3"	-	5.5	9.5	400

Type	Maximum		Cable M	Free Passage mm	Weight kg
	Head m	Cap. LPM			
HIPPO-150 DN65	11	650	10	65	27.1
HIPPO-200 DN65	13	720	10	65	29.3
HIPPO-300 DN65	17	870	10	65	31
HIPPO-150 DN80	7	730	10	80	30.4
HIPPO-200 DN80	8	840	10	80	32.6
HIPPO-300 DN80	13	1100	10	80	34.3

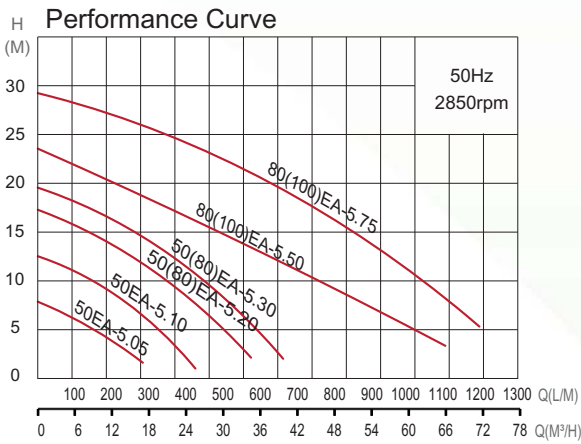
## EA



Impeller with powerful agitator

### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Agitator	SUS 316
Shaft	SUS 410



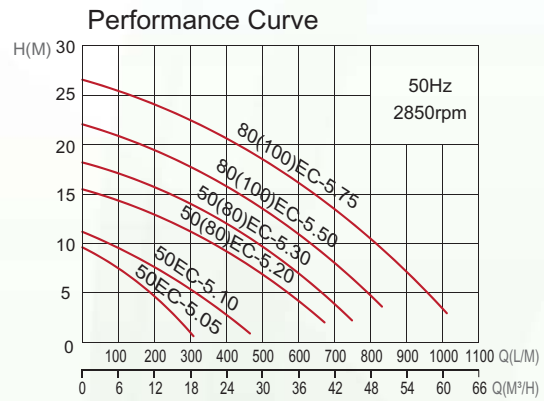
## EC



Cutter Impeller (Tungsten Edge)

### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FCD45+Tungsten edge
Shaft	SUS 410



### Feature

- Vortex impeller with agitator
- Non-Colg operation
- Double mechanical seals in Si. Ca
- Reliable shaft sealing
- Automatic operation (Optional)

### Application

- Dredging
- High concentration slurry

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EA-5.05	0.5	0.37	2"	4	1.2	6	150
50EA-5.10	1	0.75	2"	6	2	9	200
50(80)EA-5.20	2	1.5	2"(3")	11.3	3.5	10	350
50(80)EA-5.30	3	2.2	2"(3")	-	5.2	11	450
80(100)EA-5.50	5	3.7	3"(4")	-	8.6	10	800
80(100)EA-5.75	7.5	5.5	3"(4")	-	12	12	1040

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EA-5.05	8	320	2	10	13.4
50EA-5.10	12.5	460	2	10	18.2
50(80)EA-5.20	17.5	650	2	15	35
50(80)EA-5.30	19.5	750	2	15	36.1
80(100)EA-5.50	23.5	1200	2	12.5	56.3
80(100)EA-5.75	29.5	1400	2	12.5	62.3

### Feature

- Tungsten inserts incorporated on the impeller blades to provide shredding action
- Reliable shaft sealing provided by double mechanical seal in Si.Ca
- Automatic operation (Optional)

### Application

- Drainage of sewage from building and school basement etc.
- Septic tank and cesspit
- Wastewater treatment
- Ground water drainage

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50EC-5.05	0.5	0.37	2"	4	1.2	6	150
50EC-5.10	1	0.75	2"	6	1.8	8	190
50(80)EC-5.20	2	1.5	2"(3")	11.3	3.5	10	360
50(80)EC-5.30	3	2.2	2"(3")	-	5.2	11	440
80(100)EC-5.50	5	3.7	3"(4")	-	8.6	8	690
80(100)EC-5.75	7.5	5.5	3"(4")	-	12	12	750

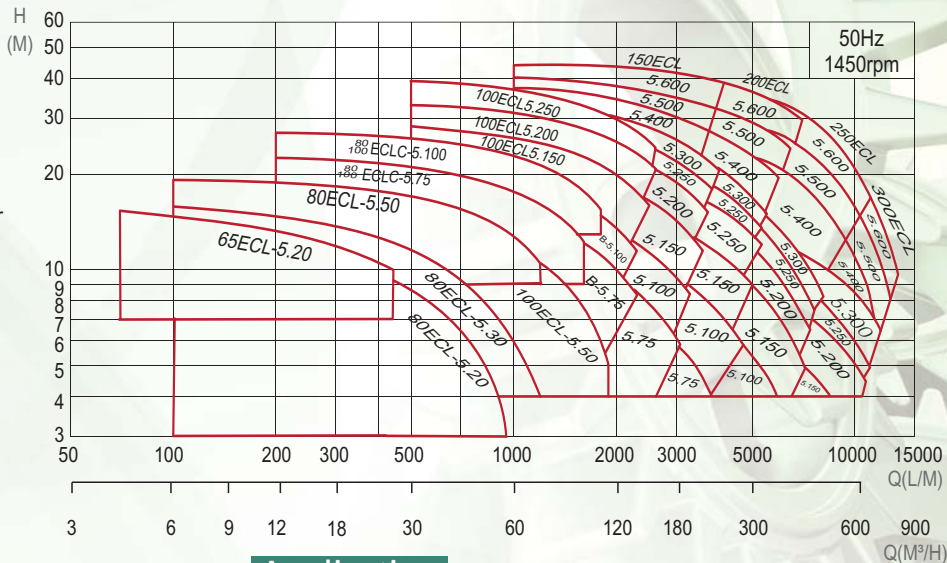
Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50EC-5.05	9.5	300	2	19	13.3
50EC-5.10	11	430	2	19	19
50(80)EC-5.20	15.5	700	2	23	36.5
50(80)EC-5.30	18.5	800	2	23	37.6
80(100)EC-5.50	22.5	950	2	28	58
80(100)EC-5.75	26.5	1100	2	28	62

## ECL



Non-Clog Impeller

### Performance Curve



### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 403

### Feature

- Semi-Open and non-clog Impeller
- Non-Clogging/Wide Rang
- Robust construction
- Superior heat Dissipation
- Built-in motor protection

### Application

- Sewage
- Storm water drainage
- Industrial Waste Water

Type	Output		Discharge Inch	F.L.A.		Max Head		Max Cap.		Pole	Free Passage mm	Weight kg
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM	Head m	Cap. LPM			
65ECL-5.20	2	1.5	2.5"	-	3.9	15.5	70	9.9	450	4	35	52
80ECL-5.20	2	1.5	3"	-	3.9	12.2	200	3.3	950	4	50	55
80ECL-5.30	3	2.2	3"	-	5.2	15.8	100	4	1200	4	50	67
80ECL-5.50	5	3.7	3"	-	8.3	19.1	100	10.4	1200	4	50	75
80ECLC-5.75	7.5	5.5	3"	-	11.3	22	200	12.3	1600	4	50	134
80ECLC-5.100	10	7.5	3"	-	15.5	27.3	200	15.3	1800	4	50	148
100ECL-5.50	5	3.7	4"	-	8.3	14	500	5	1900	4	60	79
100ECLC-5.75	7.5	5.5	4"	-	11.3	22	200	12.3	1600	4	50	134
100ECLC-5.100	10	7.5	4"	-	15.5	27.3	200	15.3	1800	4	50	148
100ECLB-5.75	7.5	5.5	4"	-	11.3	16.1	500	8.3	2290	4	60	123
100ECLB-5.100	10	7.5	4"	-	15.5	20.8	500	11.5	2300	4	60	141
100ECL-5.150	15	11	4"	-	21.5	28.4	500	16	2500	4	60	180
100ECL-5.200	20	15	4"	-	28.5	33	500	20.6	2600	4	60	230
100ECL-5.250	25	18.5	4"	-	35	39	500	24	2600	4	60	285
150ECL-5.75	7.5	5.5	6"	-	11.3	11.2	1500	5.8	3050	4	70	146
150ECL-5.100	10	7.5	6"	-	15.5	15.2	1500	8.3	3300	4	70	158
150ECL-5.150	15	11	6"	-	21.5	20	1500	11.5	3600	4	70	199
150ECL-5.200	20	15	6"	-	28.5	25.8	1500	15.2	3700	4	70	237
150ECL-5.250	25	18.5	6"	-	35	28.3	1500	18	3800	4	70	300
150ECL-5.300	30	22	6"	-	42	33	1500	20.5	4000	4	70	325
150ECL-5.400	40	30	6"	-	58	35	1500	27.4	4000	4	68	355
150ECL-5.500	50	37	6"	-	72.5	38.6	1500	30.4	4100	4	68	418
150ECL-5.600	60	45	6"	-	87.5	44	1000	34.8	4300	4	68	456
200ECL-5.75	7.5	5.5	8"	-	11.3	6.5	2600	4	3800	4	76	160
200ECL-5.100	10	7.5	8"	-	15.5	9.6	2900	5.8	4700	4	76	176
200ECL-5.150	15	11	8"	-	21.5	13.2	3100	9	5000	4	76	212
200ECL-5.200	20	15	8"	-	28.5	17	3400	12	5300	4	76	260
200ECL-5.250	25	18.5	8"	-	35	19.4	3500	13.5	5300	4	76	305
200ECL-5.300	30	22	8"	-	42	23.2	3500	15	5500	4	76	330
200ECL-5.400	40	30	8"	-	58	27.4	4000	20.5	6200	4	74	355
200ECL-5.500	50	37	8"	-	72.5	30.4	4100	23	6500	4	74	418
200ECL-5.600	60	45	8"	-	87.5	34.8	4300	26.5	7000	4	74	456
250ECL-5.100	10	7.5	10"	-	15.5	7.2	3800	4	5850	4	82	260
250ECL-5.150	15	11	10"	-	21.5	10.4	4600	4.8	7100	4	82	320
250ECL-5.200	20	15	10"	-	28.5	13	4500	6.4	7250	4	82	380
250ECL-5.250	25	18.5	10"	-	35	15.7	4500	7.3	7500	4	82	420
250ECL-5.300	30	22	10"	-	42	17.2	4500	8.2	8000	4	82	440
250ECL-5.400	40	30	10"	-	58	21	6300	12.2	9300	4	79	458
250ECL-5.500	50	37	10"	-	72.5	24.9	6800	15.8	10200	4	79	522
250ECL-5.600	60	45	10"	-	87.5	27.2	7500	18	10700	4	79	540
300ECL-5.150	15	11	12"	-	21.5	5.5	6000	4	8300	4	90	365
300ECL-5.200	20	15	12"	-	28.5	8	6000	4.4	10700	4	90	395
300ECL-5.250	25	18.5	12"	-	35	9.5	6300	4.8	11000	4	90	440
300ECL-5.300	30	22	12"	-	42	11.9	6500	6.4	12000	4	90	465
300ECL-5.400	40	30	12"	-	58	12.2	9300	7.8	10800	4	89	458
300ECL-5.500	50	37	12"	-	72.5	15.8	10200	7.7	12600	4	89	522
300ECL-5.600	60	45	12"	-	87.5	18	10700	9	13200	4	89	540



ECM

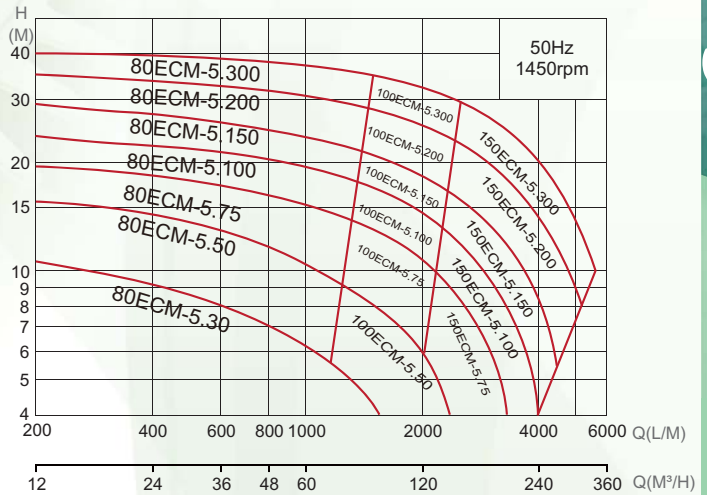


Enclosed Single Channel Impeller

Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 403

Performance Curve



Feature

- Non-clog single channel impeller
- Robust construction
- Large solid passage

Application

- Sewage
- Waste water

Type	Output		Discharge Inch	F.L.A.		Max Head		Max Cap.		Pole	Free Passage mm	Weight kg
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM	Head m	Cap. LPM			
80ECM-5.30	3	2.2	3"	-	5.2	11.2	200	4	1600	4	76	80
80ECM-5.50	5	3.7	3"	-	8.4	15.8	200	9.1	1338	4	76	87
80ECM-5.75	7.5	5.5	3"	-	12.6	19.3	300	12.8	1400	4	76	118
80ECM-5.100	10	7.5	3"	-	16.9	22.6	300	16	1449	4	76	123
80ECM-5.150	15	11	3"	-	23.8	28.5	300	22.7	1512	4	76	157
80ECM-5.200	20	15	3"	-	31	34	300	28.4	1557	4	76	163
80ECM-5.300	30	22	3"	-	42	39.5	300	34	1595	4	76	223
100ECM-5.50	5	3.7	4"	-	8.4	9.1	1338	4	2407	4	76	89
100ECM-5.75	7.5	5.5	4"	-	12.6	12.8	1400	9.3	2194	4	76	121
100ECM-5.100	10	7.5	4"	-	16.9	16	1449	12.6	2270	4	76	125
100ECM-5.150	15	11	4"	-	23.8	22.7	1512	18.3	2368	4	76	160
100ECM-5.200	20	15	4"	-	31	28.4	1557	23.7	2440	4	76	166
100ECM-5.300	30	22	4"	-	42	34	1595	28	2489	4	76	226
150ECM-5.75	7.5	5.5	6"	-	12.6	9.3	2194	4	3379	4	76	127
150ECM-5.100	10	7.5	6"	-	16.9	12.6	2270	4	3987	4	76	132
150ECM-5.150	15	11	6"	-	23.8	18.3	2368	5.5	4472	4	76	166
150ECM-5.200	20	15	6"	-	31	23.7	2440	8	5102	4	76	172
150ECM-5.300	30	22	6"	-	42	28	2489	10	5566	4	76	232

## ECW

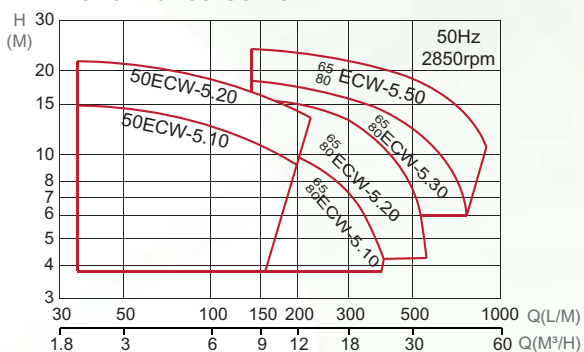


Semi-Vortex impeller

### Materials

Mech. Seal	SIC/SIC+CA/CE
Impeller	FC 200
Shaft	SUS 403

### Performance Curve



### Feature

- Semi-Vortex impeller/No Clogging
- Double mechanical seal
- Built-in motor protection
- Automatic operation (Optional)

### Application

- Waste water applications containing soft or fibrous solids.
- Drainage
- Septic effluent
- Miscellaneous drainage

Type	Output		Discharge Inch	F.L.A.		Max Head	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
50ECW-5.10	1	0.75	2"	-	1.9	14.8	35
50ECW-5.20	2	1.5	2"	-	3.3	21.4	35
65ECW-5.10	1	0.75	2.5"	-	1.9	10.9	140
65ECW-5.20	2	1.5	2.5"	-	3.3	15.9	140
65ECW-5.30	3	2.2	2.5"	-	5	18.3	140
65ECW-5.50	5	3.7	2.5"	-	7.8	23.6	140
80ECW-5.10	1	0.75	3"	-	1.9	10.9	140
80ECW-5.20	2	1.5	3"	-	3.3	15.9	140
80ECW-5.30	3	2.2	3"	-	5	18.3	140
80ECW-5.50	5	3.7	3"	-	7.8	23.6	140

Type	Max Cap.		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
50ECW-5.10	9	200	2	21	19
50ECW-5.20	13.5	220	2	21	27
65ECW-5.10	3.8	400	2	33	25
65ECW-5.20	4.2	570	2	33	34
65ECW-5.30	6.0	770	2	41	50
65ECW-5.50	10.4	900	2	41	59
80ECW-5.10	3.8	400	2	33	26
80ECW-5.20	4.2	570	2	33	35
80ECW-5.30	6	770	2	41	31
80ECW-5.50	10.4	900	2	41	60

## ESV

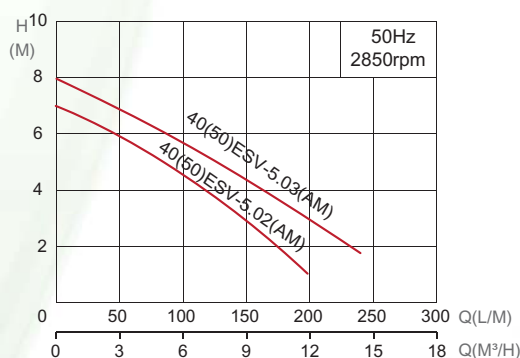


ABS + Glass Fiber Impeller

### Materials

Mech. Seal	CA/CE + CA/CE
Impeller	ABS+Glass Fiber
Shaft	SUS 410

### Performance Curve



### Feature

- Oil Chamber design to ensure Mech. Seal long service life
- Suspended impeller design, non-clogging
- E class insulation

### Application

- Discharge water
- Livestock production
- Sprinkling
- Sump pit

Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	W		1ø 230V	3ø 400V	Head m	Cap. LPM
40(50)ESV-5.02	0.2	150	1.5"(2")	1.6	-	4	110
40(50)ESV-5.02AM	0.2	150	1.5"(2")	1.6	-	4	110
40(50)ESV-5.03	0.3	250	1.5"(2")	2	-	4.5	140
40(50)ESV-5.03AM	0.3	250	1.5"(2")	2	-	4.5	140

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
40(50)ESV-5.02	7	180	2	24	7.2
40(50)ESV-5.02AM	7	180	2	24	7.5
40(50)ESV-5.03	8	230	2	25	7.4
40(50)ESV-5.03AM	8	230	2	25	7.7

EG



Cutter



Grinder Impeller

**Materials**

Mech. Seal	SIC/SIC+CA/CE
Grinder Impeller	FC 200
Cutter	SUS 440C

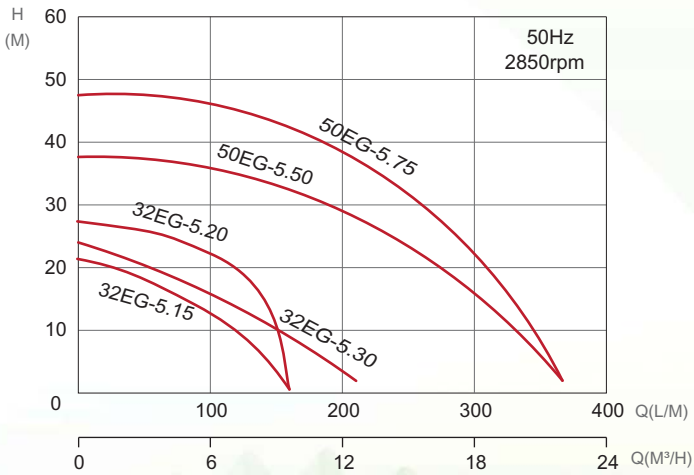
**Feature**

- Grinder Impeller
- Robust construction
- Superior heat Dissipation
- Double mechanical seals in Si. Ca

**Application**

- Waste Water Treatment
- Sewage water

Performance Curve



Type	Output		Discharge Inch	F.L.A.		Rated	
	HP	KW		1ø 230V	3ø 400V	Head m	Cap. LPM
32EG-5.15	1.5	1.1	1.25"	7.5	3.2	18	60
32EG-5.20	2	1.5	1.25"	11.2	4.5	22	100
32EG-5.30	3	2.2	1.25"	-	5	15	100
50EG-5.50	5	3.7	2"	-	9	25	250
50EG-5.75	7.5	5.5	2"	-	11	35	250

Type	Maximum		Pole	Free Passage mm	Weight kg
	Head m	Cap. LPM			
32EG-5.15	21	160	2	0.5	27
32EG-5.20	28.5	160	2	0.5	32.8
32EG-5.30	25	220	2	4	35
50EG-5.50	38	370	2	4	55
50EG-5.75	47	370	2	4	61

All technical information is subject to change without notice.

Grinder

EG





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