

EW
SERIES 50HZ



EW 0.5~1HP



Vortex Impeller



- Vortex impeller design
- Minimized abrasive wear
- Large impeller clearance
- EKK Eagle Burgmann double mechanical seal

- For heavy-duty applications
- Medium concentration wastewater

Liquid Temperature		0~40℃ (32~104℉)
Submersible depth		10M
Motor Part	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	0.5~3HP:Class B;5~7.5HP:Class
	Protection	IP 68
Pump Part	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Vortex Impeller

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)		Q.D.C.
	HP	kW	Inch	1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	1ø-kg	3ø-kg	
EW-5.05	0.5	0.37	2"	4A	1.2A	6	180	9	320	35	12.7	12.4	QS-50
EW-5.10	1	0.75	2"	5A	2.1A	9	220	12.5	450	35	17.5	17.2	QS-50
EW-5.20E	2	1.5	2"	11.5A	3.4A	10	370	18	540	16	23.4	23.2	QS-50
EW-5.20	2	1.5	2"(3")	11.8A	3.6A	10	430	19	650	45	34	33.9	QM-80
EW-5.30	3	2.2	2"(3")	15A	4.5A	13	410	20	750	45	38.1	34.4	QM-80
EW-5.50E	5	3.7	3"(4)	-	7.2A	16	460	20.5	1050	45	-	43.1	QM-100
EW-5.75	7.5	5.5	3"(4")	-	11.5A	19	690	29.5	1300	45	-	59.2	QM-100

» EW-5.05 : Flange Type »EW-5.20E: Flange Type
» EW-5.10 : Flange Type / Elbow Type is optional.(2"or 3" / Fit with Q.D.C. QM-80)

50Hz
2850rpm

EW-5.75

EW-5.30

EW-5.20

EW-5.10

EW-5.05

H (M)

Q (L/M)

Q (M³/H)

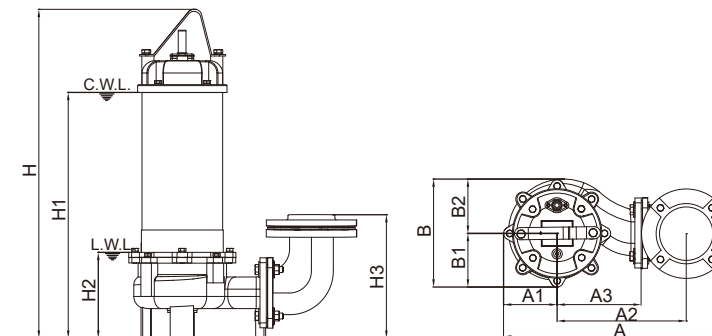
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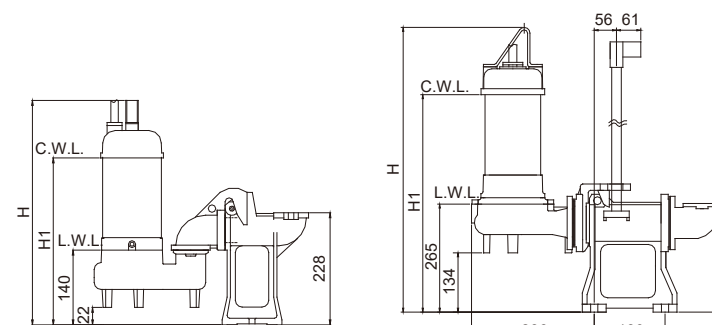
QS for flange type volute



QM for elbow type volute

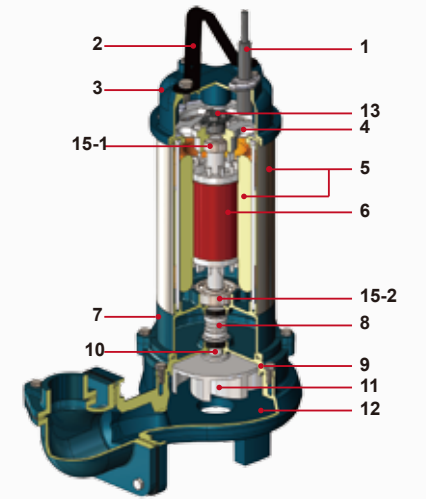


EW-5.50~75



EW-5-05~10 With QS

EW-5.20~30 With QM



No.	Part	Material
1	Cable	H07RN-F/SJTOW/STOW
2	Handle	Nylon 6(0.5~1HP) /ASTM A36(2~7.5HP)
3	Motor Cover	Nylon 66(0.5HP) / EN-GJL-200(2~7.5HP)
4	Bracket	EN-GJL-200
5	Motor Housing + Stator	AISI 304
6	Shaft with Rotor	AISI 410
7	Oil Chamber	EN-GJL-200
8	Mechanical Seal	0.5~3HP: Upper:CA/CE;Lower:CA/CE 5~7.5HP: Upper:CA/CE;Lower:SIC/SIC
9	Seal Housing	Nylon(0.5HP) / EN-GJL-200(1~7.5HP)
10	Lip Seal	NBR
11	Impeller	EN-GJL-200
12	Pump Casing	EN-GJL-200
13	Protector	KLIXON
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI

TPI is a family brand of NTN group.

Type	A	A1	A2	A3	B	B1	B2	H	H1	H2	H3
EW-5.05	228	73	155	N/A	150	69	81	412	297	117	138
EW-5.10	228	73	155	N/A	150	69	81	487	345	117	138
*EW-5.10	312	82	183	101	163	76	87	494	351	124	156
EW-5.20E	235	75	125	N/A	149	69	80	484	360	115	112
EW-5.50E	390	103	235	151	210	105	105	532	400	150	152
EW-5.30S(T)	390	103	235	151	210	105	105	S:572;T:552	S:440;T:420	150	152
EW-5.50E	440	105	240	150	180	85	95	622	450	155	227
EW-5.75	470	110	257	170	218	98	120	673	508	160	3*239;4*234

- » Note1 : S : Single Phase ; T : Three Phase
- » Note2 : Automatic models are available in single-phase versions(0.5~2HP) and in three-phase versions(0.5~2HP).
- » Note3 : Q.D.C. (Quick Discharge Connection) is available for all models.
- » Note4 : "EW-5.10 is Elbow Type.
- » Note5 : EW-5.20E is economical type
- » Note6 : EW-5.50E is economical type which with smaller size motor frame to make it as 5HP.

Type	Output		Discharge		Dimensions(mm)	
	HP	kW	Inch	mm	H	H1
EW with QS	0.5	0.37	2"	50	434	319
	1	0.75	2"	50	509	367
	2(E)	1	2"	50	532	408
EW with QM	1	0.75	2"	50	625	482
	2	1.5	2"(3")	50(80)	715	545
	3	2.2	2"(3")	50(80)	S:755;T:735	S:585;T:565
	5(E)	3.7	3"(4")	80(100)	737	565
	7.5	5.5	3"(4")	80(100)	815	637