

SUBMERSIBLE JET AERATORS

EJ
SERIES 50HZ


Vortex Impeller

Features

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

Applications

- The wastewater treatment aeration and agitation

Specifications

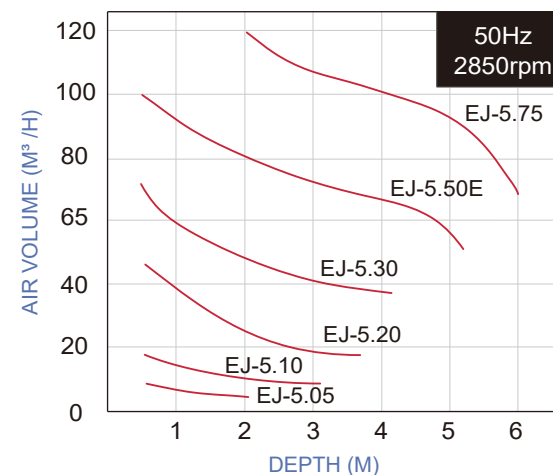
Liquid Temperature		0~40°C (32~104°F)
Submersible depth		10M
Motor Part	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	0.5~3HP:Class B;5~7.5HP:Class F
	Protection	IP 68
Pump Part	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Vortex Impeller

Data Chart

Type	Output		Discharge	F.L.A.		Rated			Aeration Tank			Free Passage		Weight(W/O Cable)		Q.D.C
	HP	kW		1ø 230V	3ø 400V	AIR m³/hr	OTR kg-O₂/H	HR m	L (M)	W (M)	H (M)	mm	1ø-kg	3ø-kg		
EJ-5.05	0.5	0.37	3"	4A	1.2A	5	0.12~0.23	1.5	2	1.8	2	-	21.7	21.4		QM-80
EJ-5.10	1	0.75	3"	5A	2.1A	10	0.3~0.5	2	3	2.5	3	-	26.5	26.2		QM-80
EJ-5.20	2	1.5	3"	11.8A	3.6A	22	0.9~1.1	2.5	4	3.5	3.5	-	37	36.3		QM-80
EJ-5.30	3	2.2	3"	15A	4.5A	40	1.9~2.2	3	5	4.5	4	-	41.1	37.4		QM-80
EJ-5.50E	5	3.7	3"	-	7.2A	70	2.8~3.3	3.5	6	5	5	-	-	41.7		QM-80
EJ-5.75	7.5	5.5	3"	-	11.5A	100	4.2~4.8	4	7	6	6	-	-	57.2		QM-80

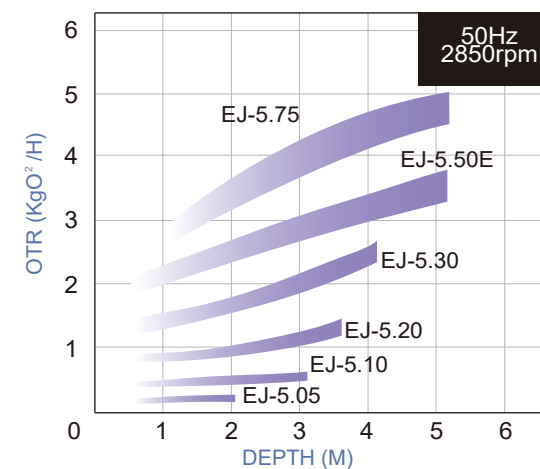
» QM-80 Duck Foot is optional.

Performance Curve

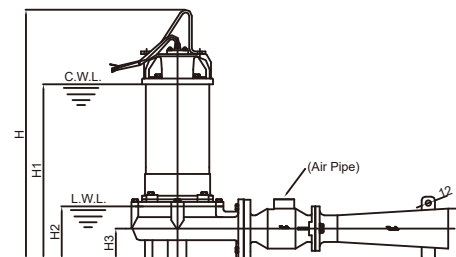
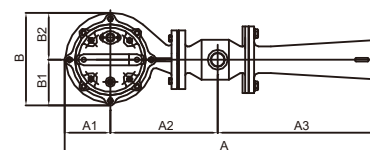


All technical information is subject to change without notice.

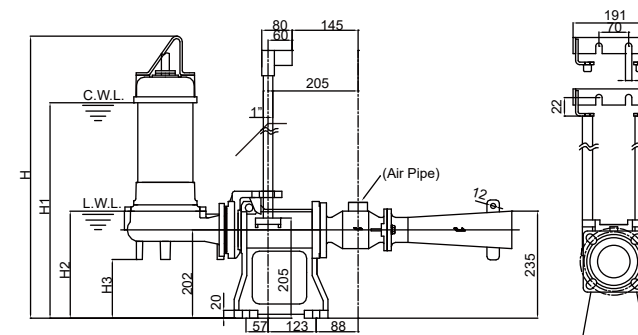
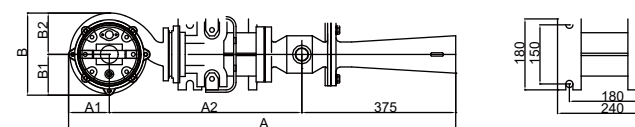
Performance Curve



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EJ-20~75



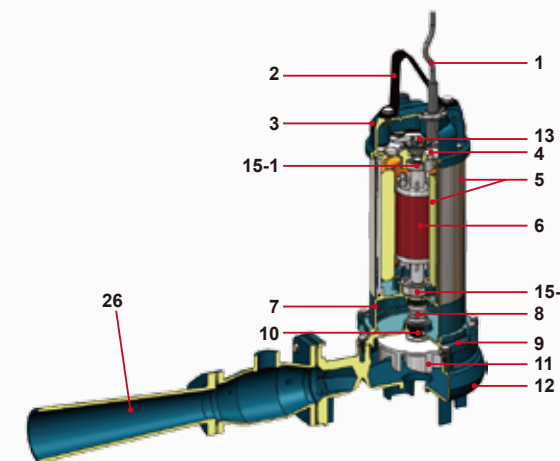
EJ-5.20~75 + QM-80

Dimensions (mm)

Type	A	A1	A2	B	B1	B2	H	H1	H2	H3
EJ-5.05(QM)	656(876)	82	199(419)	163	76	87	419(566)	304(451)	124(271)	70(147)
EJ-5.10(QM)	656(876)	82	199(419)	163	76	87	494(625)	351(498)	124(271)	70(147)
EJ-5.20(QM)	725(945)	103	247(467)	210	105	105	532(715)	400(545)	150(265)	71(134)
EJ-5.30S(QM)	725(945)	103	247(467)	210	105	105	572(735)	440(585)	150(265)	71(134)
EJ-5.30T(QM)	725(945)	103	247(467)	210	105	105	552(735)	420(565)	150(265)	71(134)
EJ-5.50E(QM)	733(953)	105	245(478)	180	85	95	622(764)	450(540)	155(245)	80(170)
EJ-5.75(QM)	758(978)	110	273(493)	218	98	120	673(815)	508(637)	160(282)	82(110)

» S identifies single phase ; T identifies three phase.

» (QM) identifies EJ pump with QM-80 Q.D.C.



Parts and Material List

No.	Part	Material
1	Cable	H07RN-F /SJTOW/STOW
2	Handle	Nylon 6/ASTM A36
3	Motor Cover	Nylon 66/EN-GJL-200
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	Upper : CA / CE Lower : SIC / SIC
9	Seal Housing	Nylon/EN-GJL-200
10	Lip Seal	NBR
11	Impeller	EN-GJL-200
12	Pump Casing	EN-GJL-200
13	Protector	KLIXON
26	Jet Aerator	EN-GJL-200
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI

TPI is a family brand of NTN group.