



CENTRIFUGAL PUMP

EMS-MD



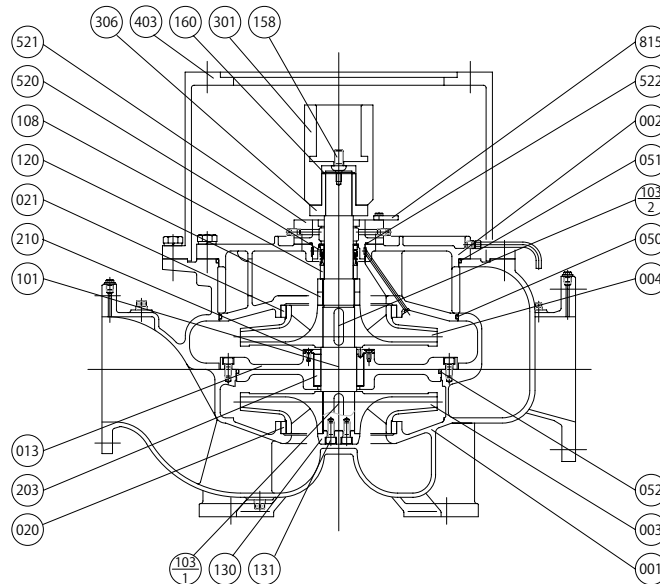
Application

Fire & G.S. Pump
Bilge & Ballast Pump

Feature

Vertical Two-stage Single-suction
Closed Coupling Type

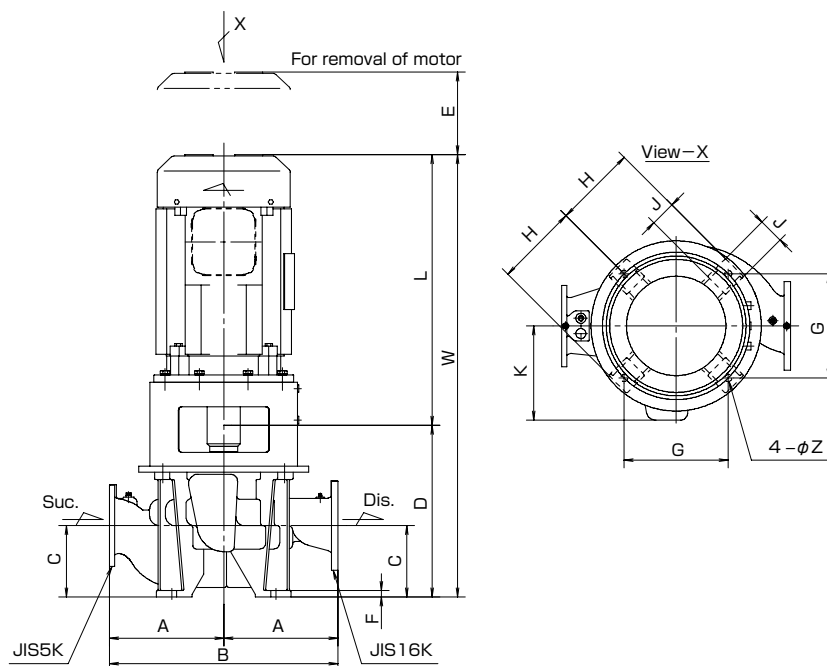
Structure & Material



Part No.	Name	Req. No.	Sea Water		Fresh Water	
			Material	JIS	Material	JIS
001	CASING	1	BRONZE	CAC402	DUCTILE CAST IRON	FCD400
002	CASING COVER	1	BRONZE	CAC402	DUCTILE CAST IRON	FCD400
003	IMPELLER	1	PHOSPHOR BRONZE	CAC502A	PHOSPHOR BRONZE	CAC502A
004	IMPELLER	1	PHOSPHOR BRONZE	CAC502A	PHOSPHOR BRONZE	CAC502A
013	STAGE	1	BRONZE	CAC402	DUCTILE CAST IRON	FCD400
020	CASING RING	1	BRONZE	CAC402	BRONZE	CAC402
021	CASING RING	1	BRONZE	CAC402	BRONZE	CAC402
050	O-RING	1	RUBBER	NBR	RUBBER	NBR
051	O-RING	1	RUBBER	NBR	RUBBER	NBR
052	O-RING	1	RUBBER	NBR	RUBBER	NBR
101	SHAFT	1	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
103	KEY	1	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
108	SPACER	1	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
120	IMPELLER NUT	2	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304

Part No.	Name	Req. No.	Sea Water		Fresh Water	
			Material	JIS	Material	JIS
130	HUB CUP	1	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
131	SCREW	2	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
158	SET SCREW	1	Cr-Mo STEEL	SCM435	Cr-Mo STEEL	SCM435
160	RETAINING RING	1	STAINLESS STEEL	SUS304	STAINLESS STEEL	SUS304
203	CARBON METAL	1	CARBON	—	CARBON	—
210	METAL COVER	1	BRONZE	CAC402	BRONZE	CAC402
301	COUPLING	1	DUCTILE CAST IRON	FCD400	DUCTILE CAST IRON	FCD400
306	FRICTION JOINT	1	—	—	—	—
403	FRAME	1	CAST IRON	FC200	CAST IRON	FC200
520	MECHANICAL SEAL	1	Sic & CARBON	—	Sic & CARBON	—
521	MECHANICAL SEAL COVER	1	BRASS	CAC402	BRASS	CAC402
522	O-RING	1	RUBBER	NBR	RUBBER	NBR
815	COUPLING SETTING TOOL	2	MILD STEEL	SS400	MILD STEEL	SS400

Dimension



Model No.	Motor		Bore		Dimension(mm)												
	kW	min ⁻¹	Suc.	Dis.	A	B	C	D	E	F	G	H	J	K	L	W	Z
EMS-150MD	37	1800	150	150	380	760	230	610	300	25	360	290	100	340	800	1410	28
	45														950	1560	
	55														1050	1660	
	65														950	1625	
EMS-200MD	55	1800	200	200	450	900	280	675	300	25	410	325	100	375	1050	1725	28
	65														1210	1885	
	75														1290	1965	
	90														1470	2145	
	110														1050	1850	
EMC-250MD	132	1800	250	250	500	1000	315	800	300	25	480	380	110	420	1210	2010	33
	150														1290	2090	
	185														1470	2270	
															1566	2366	