HJ GROUP

GENERAL CATALOGUE

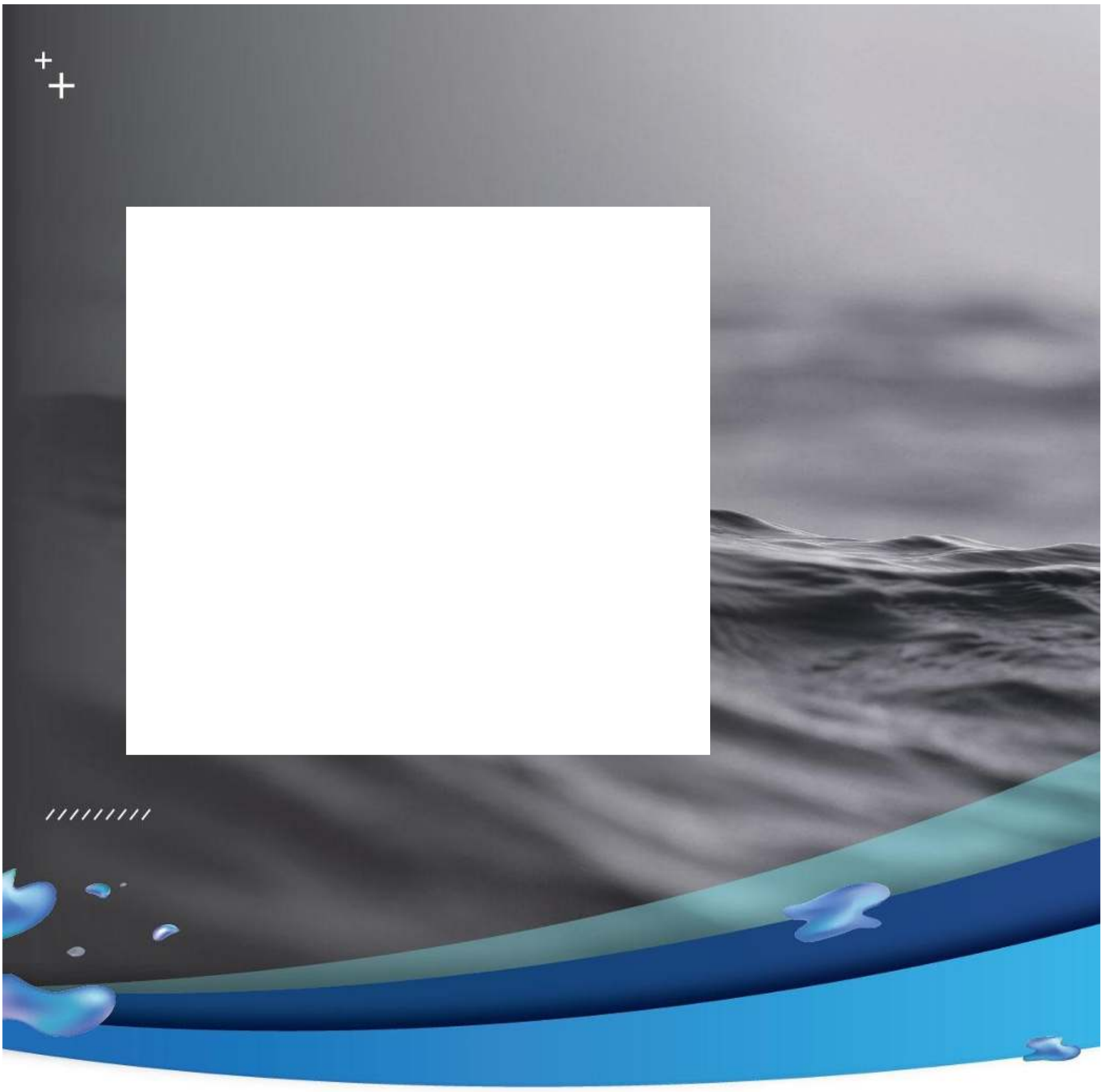
PUMP . MOTOR . BLOWER . PRESSURE TANK . INVERTER . ACCESSORIES



CONSULT OUR EXPERT

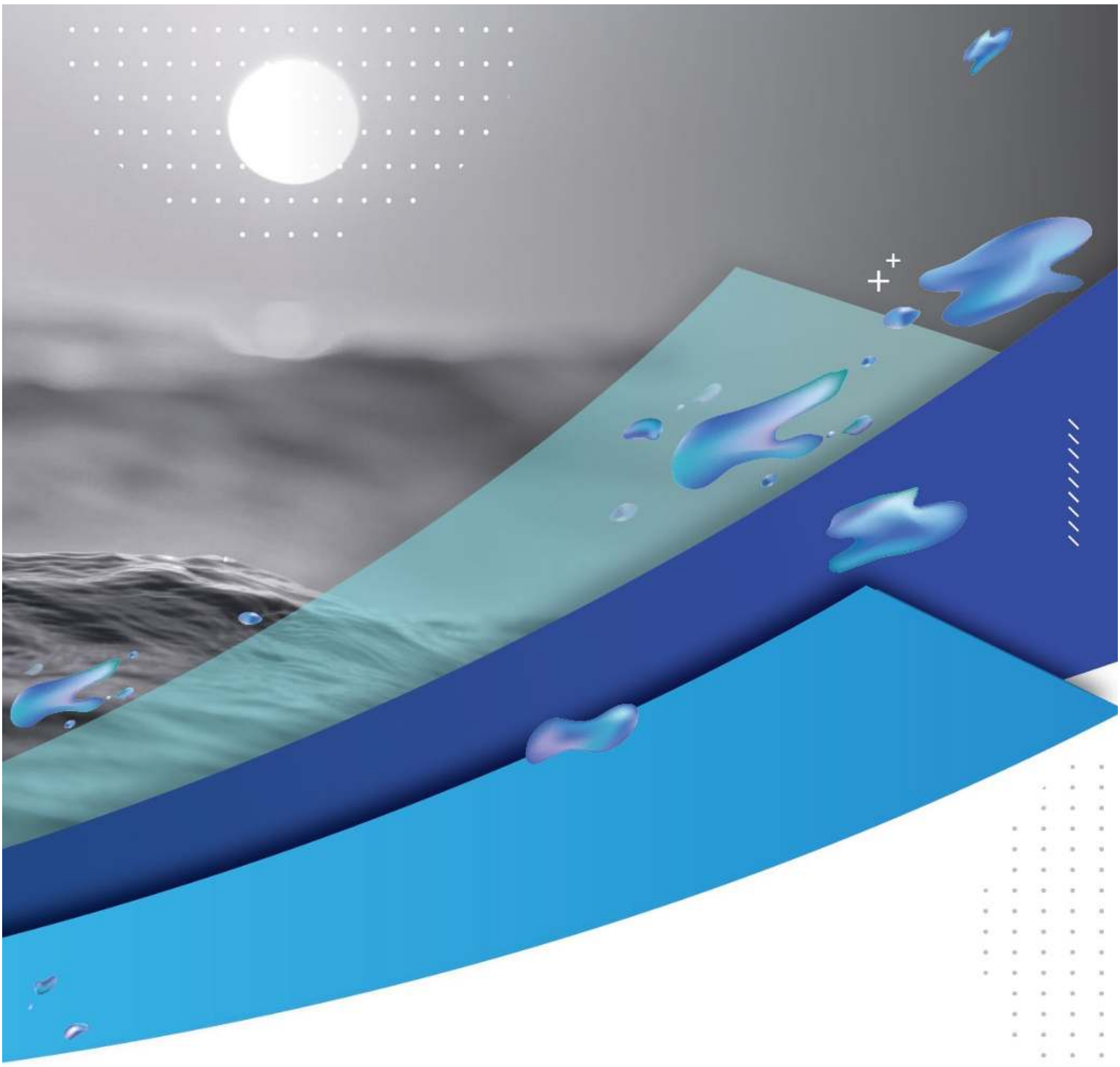
FIND THE RIGHT PUMP FOR YOUR NEED

SWIFT DELIVERY



CONTENT

GENERAL CATALOGUE



PUMP

APP KENJI	01
STAIRS PUMPS	06
EBARA	08
CALPEDA	25
KSB	27
MILANO	29

MAGNET & CHEMICAL PUMP

SANSO	30
KENJI	30
OBL	31

GEAR PUMP

KUNDEA	32
KOSHIN	32

MOTOR

FRANKLIN ELECTRIC	33
SIEMENS	34
TECO	34
LEROY SOMER	34
MARELLI MOTORI	34
MILANO	34

BLOWER

FU-TSU	35
CRE	35
MILANO	35

ACCESSORIES

TIVAL	35
EVAK	35
CIMM	36
RADAR	36



W-SERIES Cast-iron Centrifugal Pump

SPECIFICATION

TYPE	POWER		DISCHARGE		VOLTAGE	MAXIMUM		DIMENSION			WEIGHT
	HP	KW	INCH	mm	50Hz	Head(M)	Q(LPM)	H(mm)	L(mm)	W(mm)	KG
W-50	0.5	0.4	1"	25	1PH/220V~240V 3PH/380V~415V	16	120	200	340	160	13
W-100	1	0.75	1.5"	40		18	200	220	400	220	19
W-200	2	1.5	2"	50		20	400	240	420	250	22
W-300	3	2.2	3"	80		22	700	270	440	270	45
W-500	5	3.7	3"	80		26	700	300	460	290	68



VC-SERIES Large Volume Centrifugal Pump

SPECIFICATION

TYPE	POWER		DISCHARGE		VOLTAGE	MAXIMUM		DIMENSION			WEIGHT
	HP	KW	INCH	mm	50Hz	Head(M)	Q(LPM)	H(mm)	L(mm)	W(mm)	KG
VC-0532	0.5	0.4	1"	25	3PH/380V~415V	18	130	220	350	220	17
VC-1032	1	0.75	1.5"	40		20	250	250	420	250	29
VC-2032	2	1.5	2"	50		23	420	260	435	270	37
VC-3032	3	2.2	2.5"	65		24	800	290	470	330	47
VC-5032	5	3.7	3"	80		28	900	310	510	350	59
VC-7532	7.5	5.5	4"	100		23	1400	330	560	390	75
VC-10032	10	7.5	4"	100		35	1500	340	590	410	95
VC-15032	15	11	4"	100		45	1700	410	720	490	145
VC-20032	20	15	4"	100		55	1900	460	720	490	160

CLOSE COUPLED CENTRIFUGAL STAINLESS STEEL PUMP



SC-SERIES Open Impeller Stainless Steel Pump

SPECIFICATION

TYPE	POWER		DISCHARGE	VOLTAGE	MAXIMUM		DIMENSION				WEIGHT
	HP	KW	INCH	50Hz	Head(M)	Q(LPM)	A	B	C	D	KG
SC-150	1.5	1.1	2x2	1PH/220V~240V or 3PH/380V~415V	16	450	268	194	138	373	13.5
SC-200	2	1.5	2x2		16	550	268	194	138	373	15.5
SC-300	3	2.2	2.5x2		20	800	275	218	146	485	24.5
SC-500	5	3.7	3x2.5		30	850	284	218	146	510	45



SE-SERIES Single Stage Stainless Steel Pump

SPECIFICATION

TYPE	POWER		DISCHARGE		VOLTAGE	MAXIMUM		DIMENSION			WEIGHT
	HP	KW	INCH	mm	50Hz	Head(M)	Q(LPM)	H(mm)	L(mm)	W(mm)	KG
25SE-50	0.5	0.4	1"	25	1PH/220V~240V or 3PH/380V~415V	18	120	200	340	160	12
25SE-100	1	0.75	1"	25		30	120	230	356	214	13
40SE-100	1	0.75	1.5"	40		24	200	230	356	214	13.1
50SE-200	2	1.5	2"	50		20	360	308	373	194	20



DSE-SERIES Double Stage Stainless Steel Pump

SPECIFICATION

TYPE	POWER		DISCHARGE	SUCTION	VOLTAGE	MAXIMUM		DIMENSION				WEIGHT
	HP	KW	INCH	INCH	50Hz	Head(M)	Q(LPM)	A	B	C	D	KG
250DSE-150	1.5	1.1	1"	1.25"	1PH/220V~240V or 3PH/380V~415V	45	140	319	230	124	435	25
250DSE-200	2	1.5	1"	1.25"		58	160	319	230	124	435	26.5



SW-SERIES Centrifugal Stainless Steel Pump

SPECIFICATION

TYPE	POWER		DISCHARGE		VOLTAGE	MAXIMUM		DIMENSION			WEIGHT
	HP	KW	INCH	mm	50Hz	Head(M)	Q(LPM)	H(mm)	L(mm)	W(mm)	KG
SW-50	0.5	0.4	1"	25	1PH/220V~240V 3PH/380V~415V	18	120	200	340	160	10
SW-100	1	0.75	1.5"	40		20	200	220	400	220	18
SW-200	2	1.5	2"	50		20	400	240	420	250	20
SW-200H	2	1.5	2"	50		30	400	250	430	250	25
SW-300	3	2.2	2"	50		35	500	260	450	250	28



SVC-SERIES Centrifugal Stainless Steel Pump

SPECIFICATION

TYPE	POWER		DISCHARGE		VOLTAGE	MAXIMUM		DIMENSION									WEIGHT
	HP	KW	INCH	mm	50Hz	Head(M)	Q(LPM)	A	B	C	D	E	F	G	H	I	J	KG
25SVC-50	0.5	0.4	1	25	1PH/220V~240V or 3PH/380V~415V	18	130	344	60	128	66	106	87	270	90	112	142	15
40SVC-100	1	0.75	1.5	40		18	270	368	53	121	78	122	96	278	100	140	186	18
50SVC-200	2	1.5	2	50		23	360	418	61	138	85	140	107	298	125	140	186	30
50SVC-300	3	2.2	2	50		30	360	418	61	138	85	140	107	298	125	140	186	35
80SVC-300	3	2.2	3	80		20	750	418	61	138	85	140	107	298	125	140	186	40
80SVC-500	5	3.7	3	80		36	820	508	89	181	91	154	138	349	147	190	222	51

MIXER

EM-SERIES

Submersible Mixer



SPECIFICATION

TYPE	OUTPUT	CAPACITY	CABLE
EM-20	2 hp / 1.5 kw	4.5 m3/min	6 m

Open Impeller



4" 6"



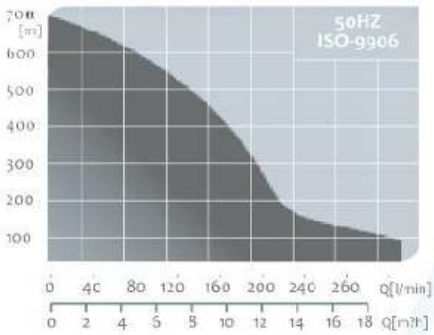
8" 10"

SP-SERIES Submersible Borehole Pump Stainless Steel

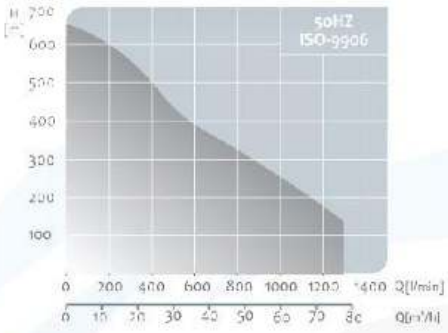
SPECIFICATION

PART	MATERIAL	PART	MATERIAL	OPERATING CONDITIONS	
Discharge	SUS304	Pump Shaft / Coupling	SUS304	Pumped Liquid	Clean, non-corrosiv and non-abrasive liquids
Valve Cone	SUS304	Upper Shaft Sleeve	SUS304		
Pump Bearing	Buna-N Rubber	Casing	SUS304	Max. Liquid Temperature	60 °C
Bowl	SUS304	O-ring	NBR	Sand Content	Max. 50 g/m³
Impeller	Stainless Steel	Screw	SUS304	Voltage	220/380V
Strainer	SUS304	Washer	SUS304		
Suction Interconnector	SUS304				

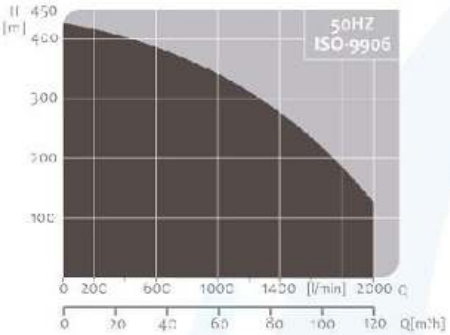
4" PERFORMANCE RANGE



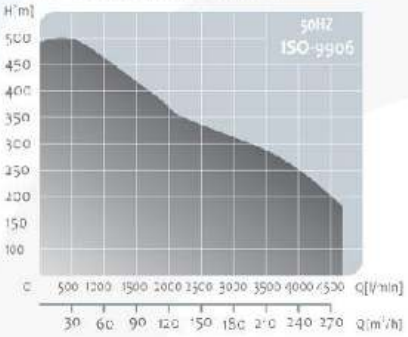
6" PERFORMANCE RANGE



8" PERFORMANCE RANGE



10" PERFORMANCE RANGE

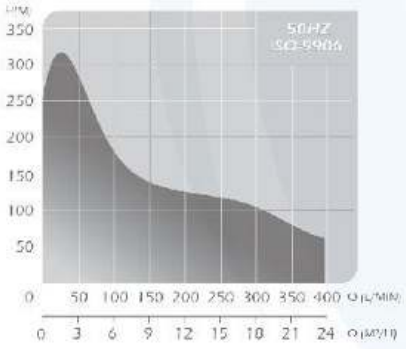




ST-SERIES Submersible Borehole Pump Plastic Impeller

SPECIFICATION

8" PERFORMANCE RANGE



PART	MATERIAL	OPERATING CONDITIONS
Discharge	SUS304	Pumped Liquid
Valve Cone	SUS304	Clean, non-corrosiv and non-abrasive liquids
Pump Bearing	Buna-N Rubber	
Bowl	SUS304	
Impeller	Stainless Steel	Max. Liquid Temperature
Strainer	SUS304	60 °C
Suction Interconnector	SUS304	Sand Content
Pump Shaft / Coupling	SUS304	Max. 50 g/m³
Upper Shaft Sleeve	SUS304	Voltage
Casing	SUS304	220/380V
O-ring	NBR	
Screw	SUS304	
Washer	SUS304	



AHS-05 AHS-10 AHS-20

Impeller: HYTREL
Pump Casing: FC200
Strainer: PVC

AHS-SERIES Submersible Sump Pump

SPECIFICATION

TYPE	VERSION	OUTPUT		DISCHARGE		RATED		MAXIMUM		CABLE	WEIGHT
		HP	W	mm	Inch	Head(M)	Q(LPM)	Head(M)	Q(LPM)	M	KG
AHS-05	Manual	0.5	400	50	2"	8	110	12	220	5	13
AHS-10	Manual	1	750	50(80)	2"(3")	10	200	18	350	5	15.5
AHS-20	Manual	2	1500	50(80)	2"(3")	16	243	22	700	5	19.3

* AHS-05A, AHS-10A & AHS-20A - Automatic Version



Impeller: FC200
Pump Casing: SS304

JKS-SERIES Submersible Effluent Pump

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED		MAXIMUM		CABLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	Head(M)	Q(LPM)	Head(M)	Q(LPM)	M	mm	KG
JKS-05 / JKS-05A	0.5	0.37	2"	4	1.2	6	150	9.5	310	10	5	12.2
JKS-10 / JKS-10A	1	0.75	2"	6	2	9	150	11	450	10	5	19
JKS-20 / JKS-20A	2	1.5	2"(3")	11.3	3.5	10	360	15.5	680	10	5.5	35.7
JKS-30	3	2.2	2"(3")	-	5.2	11	450	18.5	800	10	5.5	36.8
JKS-50	5	3.7	3"(4")	-	8.6	8	700	22.5	950	10	5.5	56
JKS-75	7.5	5.5	3"(4")	-	12	12	750	26.5	1100	10	5.5	62

* JKS-05A, JKS-10A & JKS-20A - Automatic Version



Impeller: FC200
Pump Casing: SS304

JDS-SERIES Submersible Vortex Sewage Pump

Stainless Steel 316

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED		MAXIMUM		POLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	Head(M)	Q(LPM)	Head(M)	Q(LPM)		mm	KG
JDS-05 / JDS-05A	0.5	0.37	2"	4	1.2	6	150	8	320	2	35	13.2
JDS-10 / JDS-10A	1	0.75	2"	6	2	9	200	12.5	460	2	35	18
JDS-20 / JDS-20A	2	1.5	2"(3")	11.3	3.5	10	350	17.5	650	2	45	34.7
JDS-30	3	2.2	2"(3")	-	5.2	11	450	19.5	750	2	45	35.8
JDS-50	5	3.7	3"(4")	-	8.6	10	800	23.5	1200	2	45	56
JDS-75	7.5	5.5	3"(4")	-	12	12	1040	29.5	1400	2	45	62
JDS-100	10	7.5	4"	-	15.9	20	1050	35	1400	2	50	89
JDS-150	15	11	4"	-	23	22	1300	36	1900	2	50	99

* JDS-05A, JDS-10A & JDS-20A - Automatic Version



Impeller: FC200
Pump Casing: SS304

JDSK-SERIES Submersible Cutter Sewage Pump

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED		MAXIMUM		POLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	Head(M)	Q(LPM)	Head(M)	Q(LPM)		mm	KG
JDSK-05 / JDSK-05A	0.5	0.37	2"	4	1.2	6	150	9.5	300	2	19	13.3
JDSK-10 / JDSK-10A	1	0.75	2"	6	1.8	8	190	11	430	2	19	19
JDSK-20 / JDSK-20A	2	1.5	2"(3")	11.3	3.5	10	360	15.5	700	2	23	36.5
JDSK-30	3	2.2	2"(3")	-	5.2	11	440	18.5	800	2	23	37.6
JDSK-50	5	3.7	3"(4")	-	8.6	8	690	22.5	950	2	28	58
JDSK-75	7.5	5.5	3"(4")	-	12	12	750	26.5	1100	2	28	62

* JDSK-05A, JDSK-10A & JDSK-20A - Automatic Version



Impeller: FC200
Pump Casing: SS304

JKD-SERIES Submersible Dredging Pump

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED		MAXIMUM		POLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	Head(M)	Q(LPM)	Head(M)	Q(LPM)		mm	KG
JKD-05 / JKD-05A	0.5	0.37	2"	4	1.2	6	150	8	320	2	10	13.2
JKD-10 / JKD-10A	1	0.75	2"	6	2	9	200	12.5	460	2	10	18
JKD-20 / JKD-20A	2	1.5	2"(3")	11.3	3.5	10	350	17.5	650	2	15	34.7
JKD-30	3	2.2	2"(3")	-	5.2	11	450	19.5	750	2	15	35.8
JKD-50	5	3.7	3"(4")	-	8.6	10	800	23.5	1200	2	12.5	56
JKD-75	7.5	5.5	3"(4")	-	12	12	1040	29.5	1400	2	12.5	62

* JKD-05A, JKD-10A & JKD-20A - Automatic Version



Impeller: FC200
Pump Casing: SS304

JA/TJA-SERIES Submersible JET Aerators Pump

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED			POLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	AIR m^3/hr	OTR kg-O2/H	HR m		mm	KG
JA-05	0.5	0.37	3"	4	1.2	5	0.12~0.23	1.5	2	-	22.2 (41.4)
JA-10	1	0.75	3"	6	2	10	0.3~0.5	2	2	-	27 (46.2)
JA-20	2	1.5	3"	11.3	3.5	22	0.9~1.1	2.5	2	-	37.7 (56.9)
JA-30	3	2.2	3"	-	5.2	40	1.9~2.2	3	2	-	38.8 (58)
JA-50	5	3.7	3"	-	8.6	70	2.8~3.3	3.5	2	-	54 (73.2)
JA-75	7.5	5.5	3"	-	12	100	4.2~4.8	4	2	-	60 (79.2)



Impeller: SS316
Pump Casing: SS316

JSB-SERIES Submersible Vortex Sewage Pump

Stainless Steel 316

SPECIFICATION

TYPE	OUTPUT		DISCHARGE	F.L.A.		RATED		MAXIMUM		POLE	FREE PASSAGE	WEIGHT
	HP	KW	Inch	1ø 230V	3ø 400V	Head(M)	Q(LPM)	Head(M)	Q(LPM)		mm	KG
JSB-05 / JSB-05A	0.5	0.37	2"	3.4	1.4	5.4	200	9.5	398	2	35	13.2
JSB-10 / JSB-10A	1	0.75	2"	6	2.2	9	240	14.3	472	2	35	18
JSB-20 / JSB-20A	2	1.5	2"(3")	9.8	4.2	12	280	18.3	507	2	45	34.7
JSB-30	3	2.2	2"(3")	-	5.7	14.7	360	22.1	690	2	45	35.8
JSB-50	5	3.7	3"(4")	-	7.5	13.2	560	23.3	1010	2	45	56
JSB-75	7.5	5.5	3"(4")	-	11.4	18.7	600	28.8	1110	2	45	62

* JSB-05A, JSB-10A & JSB-20A - Automatic Version



SB

Cast-iron
Multi Stage
Centrifugal Pump



SBI

Centrifugal
Stainless Steel
Pump

Stainless Steel 304



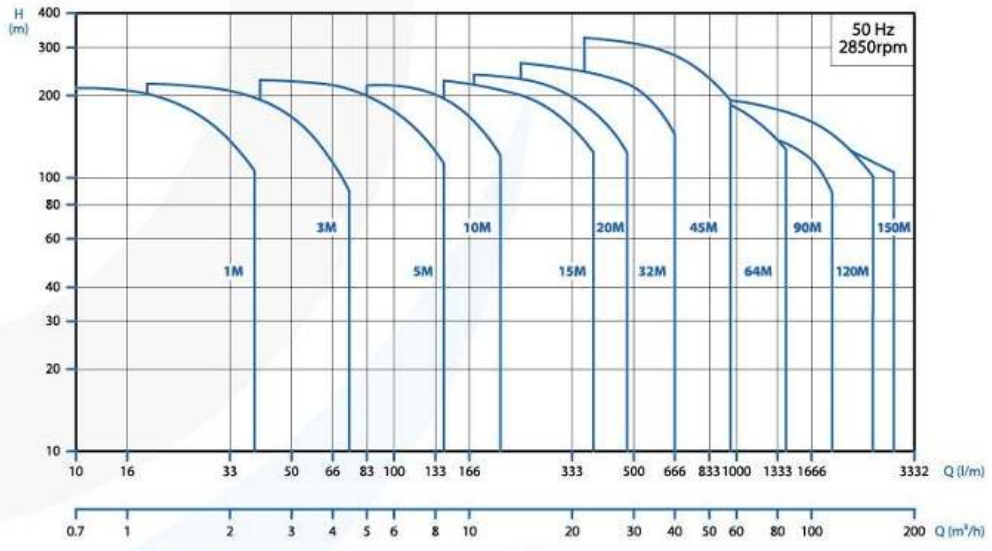
SBN

Centrifugal
Stainless Steel
Pump

Stainless Steel 316

SB / SBI / SBN SPECIFICATION

RANGE	1	3	5	10	15	20	32	45	64	90	120	150
50Hz												
Nominal Flow (m^3/h)	1	3	5	10	15	20	32	45	64	90	120	150
Flow Range (m^3/h)	0.7-2.4	1.2-4.5	2.5-8.5	5-13	8.5-23.5	10.5-29	15-40	22-58	30-85	45-120	60-160	75-180
Max. Pressure (bar)	21.5	23	24	21.5	23	24.3	27.5	33	21.8	20	20.4	18.7
Fluid Temperature (°C)	-15 ~ +120											
Motor Power (KW)	0.37-2.2	0.37-3	0.37-5.5	0.37-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45	11-75	11-75
Motor												
Main Connection 1 phase (V/Hz)	220-240V 50Hz											
Main Connection 3 phase (V/Hz)	0.37-7.5KW 220-240/380-415V 50Hz from 11KW 380-415V 50Hz											
Insulation Class	F											
Enclosure Class	IP 55											
Ambient Temperature	Max. +50 °C											
AVC Pipe Connection												
Flange	DN 25 /	DN 25 /	DN 25 /	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100	DN 125	DN 125
	DN 32	DN 32	DN 32									
AVC Pipe Connection												
Flange	DN 25 /	DN 25 /	DN 25 /	DN 40	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100	DN 125	DN 125
	DN 32	DN 32	DN 32									
Victaulic-connections	R 1 1/4	R 1 1/4	R 1 1/4	R 2	R 2	R 2	N/A	N/A	N/A	N/A	N/A	N/A
	DN 32	DN 32	DN 32	DN 50	DN 50	DN 50						
Mechanical Seals	SIC/SIC											
Seals	EPDM: Standard									EPDM: 0.37KW-45KW		
	Viton: Optional									Viton: 55KW-75KW		



SB / SBI / SBN PERFORMANCE RANGE







CB

Cast-iron Multi Stage Centrifugal Pump

CBI

Centrifugal Stainless Steel Pump

Stainless Steel 304

HBI / HBN

Centrifugal Stainless Steel Pump

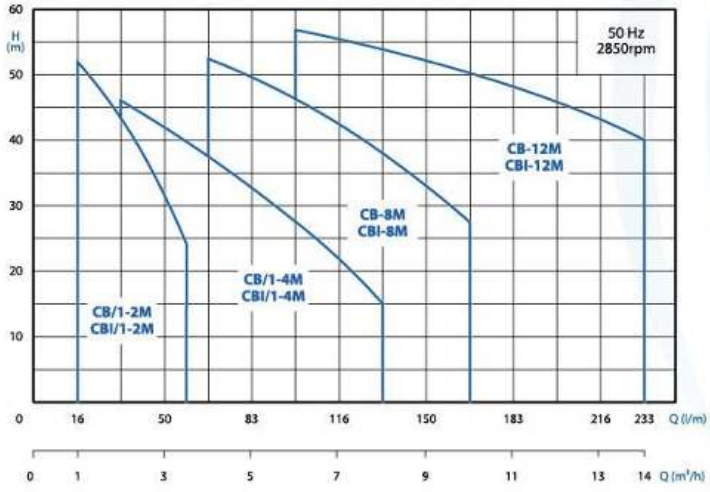
Stainless Steel 304 & 316

MATERIALS

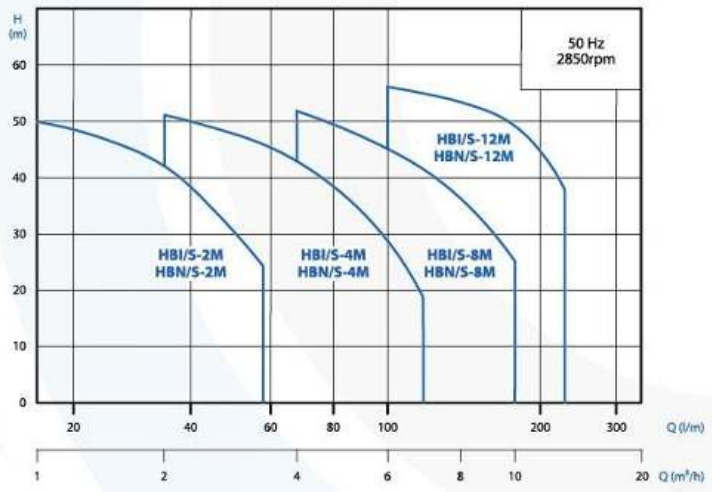
NO.	DESCRIPTION	AHC	AHI
1	Suction Chamber	Cast Iron	SS304
2	Pump Head	Cast Iron	SS304
3	Intermediate Chamber	SS304	SS304
4	Impeller	SS304	SS304
5	Spacing Pipe	SS304	SS304
6	Shaft	SS431	SS431
7	Mechanical Seal	Silicon Carbide / Carbon	Silicon Carbide / Carbon
8	O-ring	EPDM	EPDM
9	Drain and Priming Plug	Steel	SS304
10	Base Plate	Steel	SS304

NO.	DESCRIPTION	AHBI	AHBS
1	Pump Casing	SS304	SS316
2	Suction Inter-connector	SS304	SS316
3	Chamber	SS304	SS316
4	Impeller	SS304	SS316
5	Cover Plate	SS304	SS316
6	Shaft	SS431	SS316
7	Mechanical Seal	Silicon Carbide / Carbon	Silicon Carbide / SIC
8	O-ring	EPDM	EPDM
9	Base Plate	Steel	Steel

CB / CBI PERFORMANCE RANGE



HBI / HBN PERFORMANCE RANGE



TYPE SZ Mixed Flow Pumps



SPECIFICATION

TYPE (SxD)	RPM	POWER (kW)	Q / CAPACITY (m^3/min)	HEAD (m)
200 SZ (200x200)	1100 ~ 1750	3.7 ~ 15	2 ~ 7	5,4 ~ 14.5
250 SZ (250x250)	750 ~ 1450	3.7 ~ 30	3 ~ 11	3.7 ~ 15
300 SZ (300x300)	620 ~ 1240	5.5 ~ 45	5 ~ 19	3.7 ~ 15.7
350 SZ (350x350)	550 ~ 1070	7.5 ~ 55	2 ~ 26	4 ~ 16
400 SZ (400x400)	490 ~ 930	11 ~ 75	2.5 ~ 35	4.5 ~ 17
500 SZ (500x500)	420 ~ 735	22 ~ 110	5 ~ 58	4.8 ~ 16

TYPE	Horizontal Shaft Mixed Flow Volute Pump
IMPELLER	Open Impeller
ROTATION	Counter clock wise when viewed from end shaft coupling
BEARING TYPE	Sealed Ball Bearing: 200-250 SZ. Ball Bearing Oil Bath Type: 300-500 SZ
FLANGE	JIS 10 Kg/cm^2
NOZZLE POSITION	Standard 200-250 (Side Suction - Top Discharge)
	Standard 300-500 (Side Suction - Side Discharge)
	Standard 300-350 (Side Suction - Top Discharge)
LIQUID	River water, fresh water
TEMPERATURE LIQUID	Below 80 °C
SEALING	Gland Packing

TYPE SQPB Self Priming Pumps



Cast Iron



Bronze

SPECIFICATION

50 SQPB			
RPM (min^{-1})	Q / CAPACITY	HEAD (M)	POWER (KW)
2900	0.2 m^3/min	25	3.7
2700		22	2.2
2300		15	1.5
1750		8.5	0.75

80 SQPB			
RPM (min^{-1})	Q / CAPACITY	HEAD (M)	POWER (KW)
2500	0.5 m^3/min	21	5.5
2300		18	5.5
2100		14.8	3.7
1750		10	2.2

100 SQPB			
RPM (min^{-1})	Q / CAPACITY	HEAD (M)	POWER (KW)
2400	1 m^3/min	21.5	11
2250		19	7.5
2000		14.8	5.5
1750		10.6	3.7
1450		6.8	2.2

150 SQPB			
RPM (min^{-1})	Q / CAPACITY	HEAD (M)	POWER (KW)
2000	2 m^3/min	21.5	15
1750		16	11
1600		13	7.5
1450		9.7	5.5
1250		6.8	3.7

TYPE	STANDARD	OPTION
Liquid	Mixed Flow Open Type	Sea Water
Temperature	0-40°C	
Reg.NPSH	4 m	
Rotation	Counter clock wise when viewed from drive end	
Installation	Outdoors	
Material		
Casing	Cast Iron	Bronze
Impeller	Cast Iron	Bronze
Shaft	Carbon Steel	Stainless Steel
Construction		
Impeller	Semi Open	
Stuffing Box	Packing	
Bearing	Sealed Ball Bearing	
Accessories	Strainer, Discharge Elbow	
	Hose Clamp, Suction Hose Nipple	
	Standard V - Pulley	

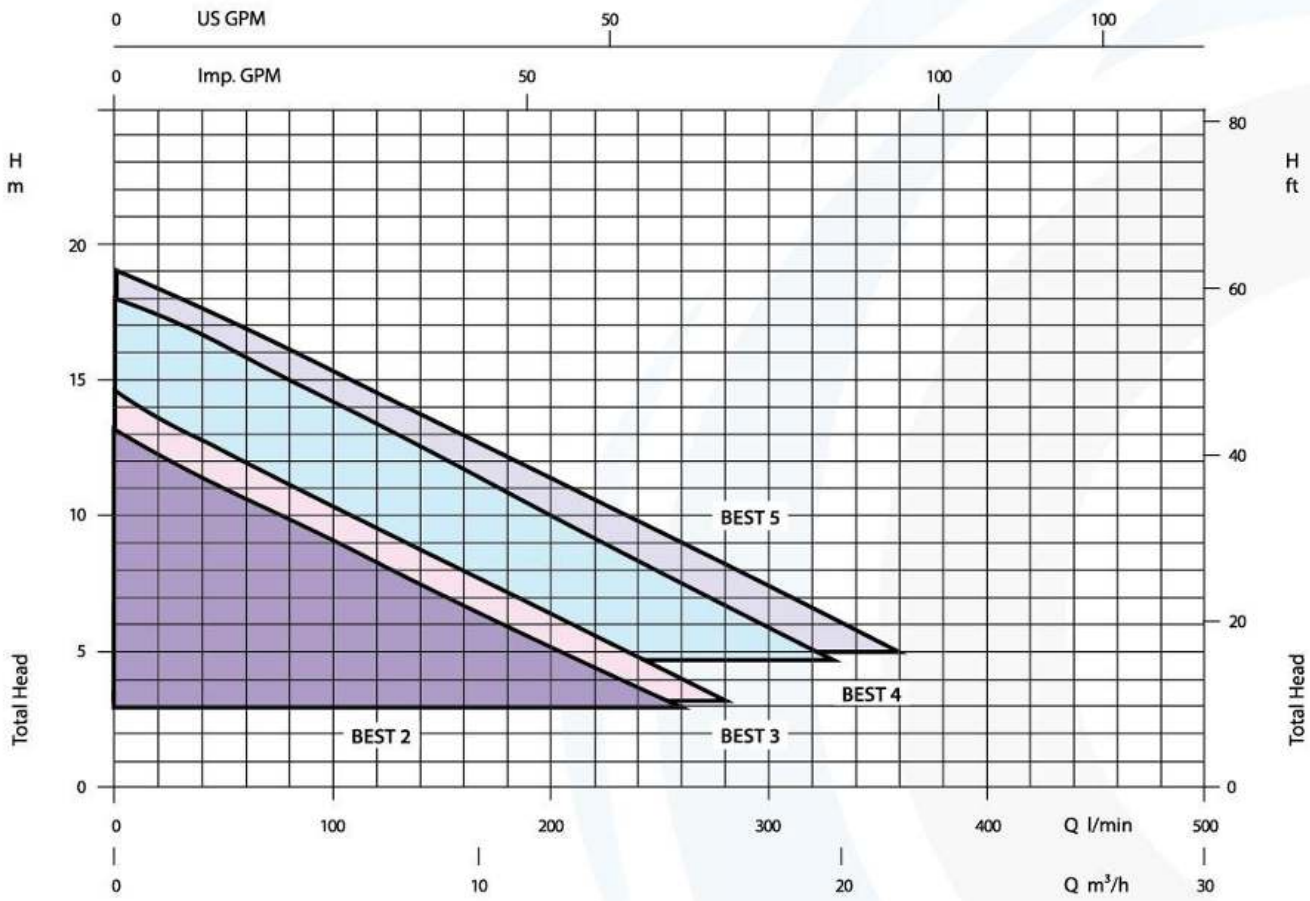


TYPE BEST 2 3 4-5 Submersible Stainless Steel Draining Pump

SPECIFICATION

PUMP TECHNICAL DATA	
Maximum Liquid Temperature	35°C
Maximum Immersion	10m
Maximum Passage of Solids	10mm

MATERIALS	TECHNICAL DATA
• Pump casing, impeller, strainer, cover, casing cover and motor casing in AISI 304 • Shaft in AISI 303 • Double mechanical seal with interposed oil chamber upper in carbon-caramic / NBR -lower in SiC/SiC/NBR	• Asincronous 2 poles motor • Insulation class F • Protection degree IP68 • 1~230V ± 10%, 50Hz - 3~400V ± 10%, 50Hz • Permanent split capacitor and automatic thermal overload protection for single-phase version • Thermal protection to be provided by the user for three-phase version • Discharge 1"1/2



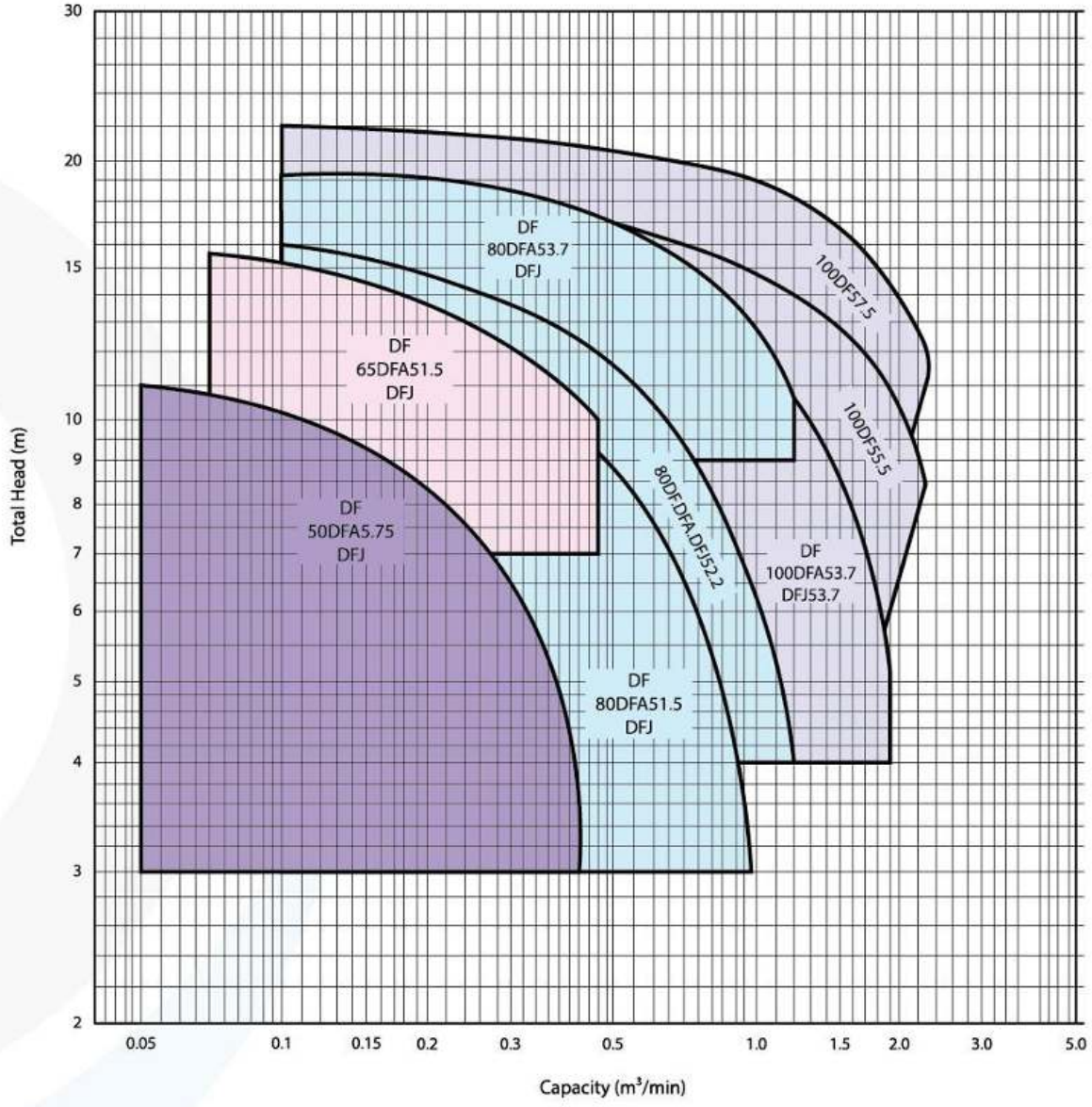


TYPE DF Submersible Pump with Cutter

SPECIFICATION

DESCRIPTION		PUMP	DESCRIPTION			PUMP
Model		DF (with cutter)	Construction	Mechanical Seal		Double Mechanical Seal
No. of Pole		4		Impeller		Semi-open, non-clog
Liquid Handled	Type of Liquid	Sewage		Bearing		Prelubricated bearing
	Temperature	0-40°C (DF, DFA); 0-32°C (DFJ)	Material	Casing		Cast Iron
	Maximum Solids Size	50DF : 35mm, 65DF : 40mm, 80DF : 46mm, 100DL : 57mm		Impeller		Cast Iron
				Shaft		403 Stainless Steel
Maximum Submergence		8m		Mechanical Seal	Impeller Side	Silicon Carbide vs Silicon Carbide
Minimum Submergence		Refer to water level (L.W.L) in dimensions			Motor Side	Ceramic vs Carbon
Synchronous Speed		1500 min^{-1}		Packing		NBR

MOTOR	
Type	4 pole, air-filled waterlight
Insulation	Class F
Protection	Built-in overload protector (up to 7.5kW); built-in temperature detector protection (11-22kW)





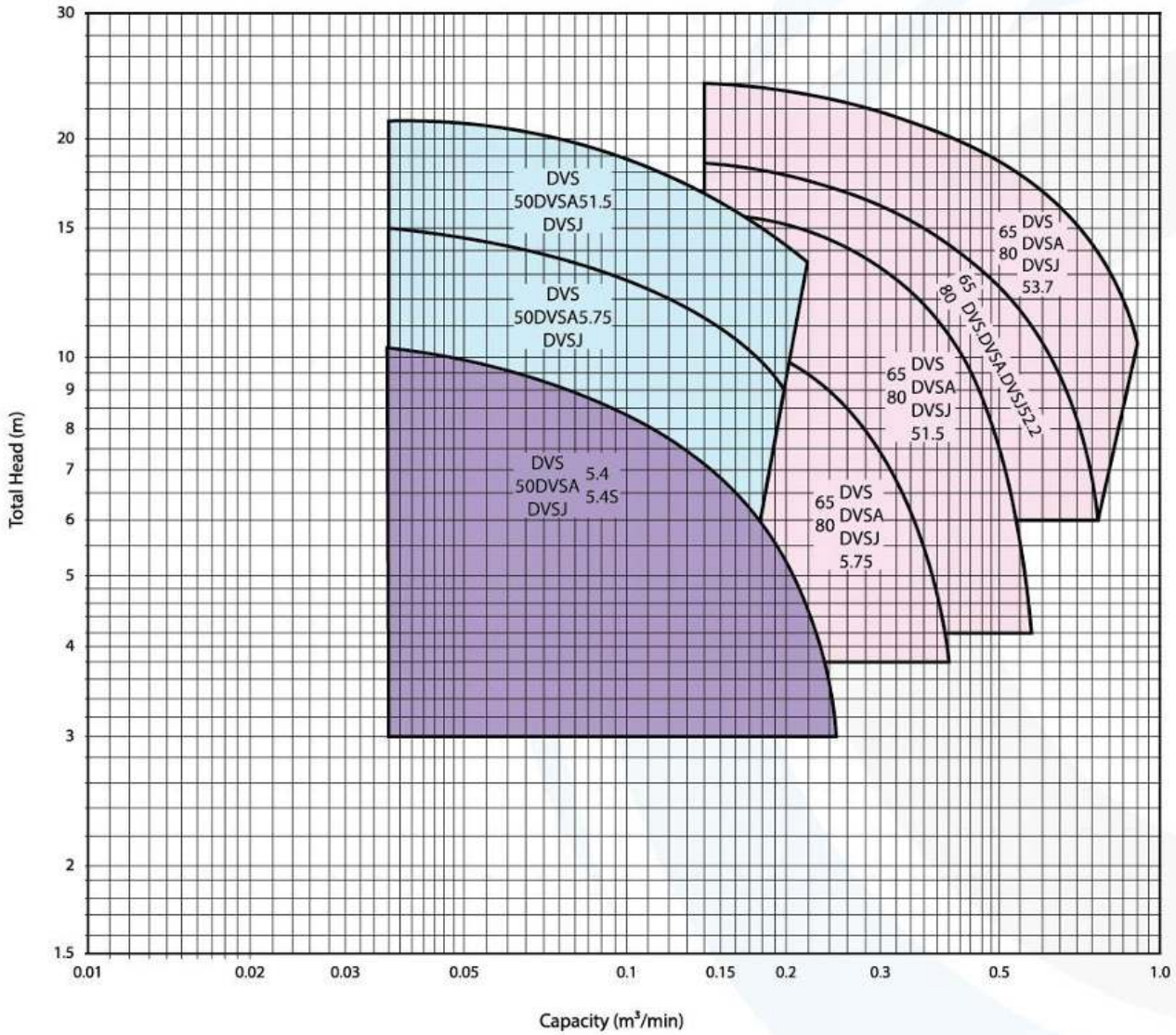
TYPE DVS Submersible Semi Vortex Pump

SPECIFICATION

DESCRIPTION		PUMP	DESCRIPTION			PUMP
Model		DVS	Construction	Mechanical Seal		Double Mechanical Seal
No. of Pole		2		Impeller		Semi-vortex
Liquid Handled	Type of Liquid	River water, sewage		Bearing		Prelubricated bearing
	Temperature	0-40°C (DVS, DVSA); 0-32°C (DSVJ)	Material	Casing		Cast Iron
	Maximum Solids Size	40DVS : 25mm, 50DVS : 32mm, 65(80) : 45mm		Impeller		Cast Iron
Maximum Submergence		0.4 1.5kW = 4m; 2.2 3.7kW = 8m		Shaft		403 Stainless Steel
Minimum Submergence		Refer to water level (L.W.L) in dimensions		Mechanical Seal	Impeller Side	Silicon Carbide vs Silicon Carbide
Synchronous Speed		3000 min^{-1}			Motor Side	Ceramic vs Carbon
				Packing		NBR

MOTOR	
Type	2 pole, air-filled waterlight
Insulation	Class F
Protection	Built-in overload protector

50 HZ (SYNCHRONOUS SPEED 3000 MIN^{-1})



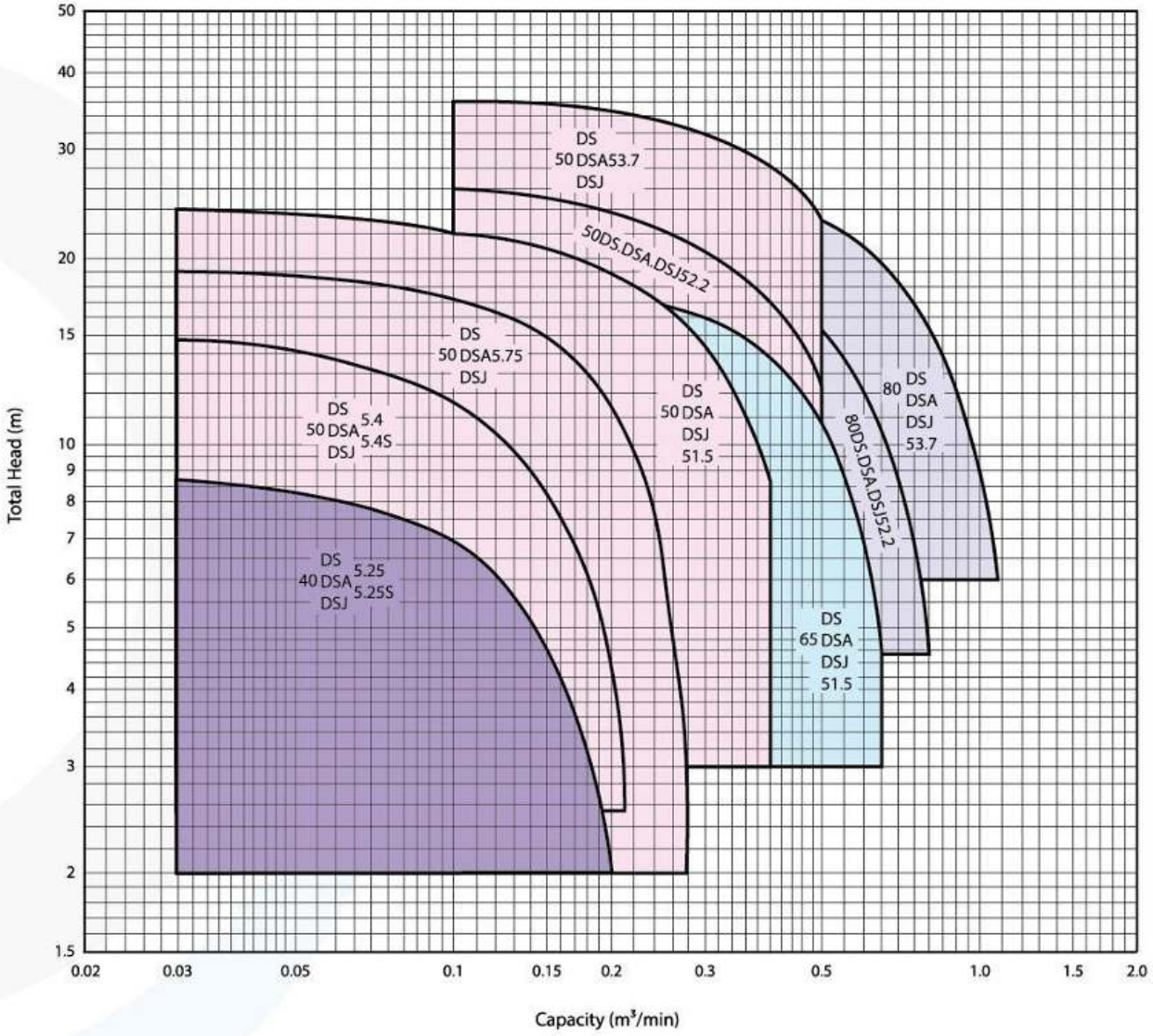


TYPE DS Submersible Sump Pump

SPECIFICATION

DESCRIPTION		PUMP	DESCRIPTION			PUMP
Model		DS	Construction	Mechanical Seal		Double Mechanical Seal
No. of Pole		2		Impeller		Semi-open
Liquid Handled	Type of Liquid	Sump		Bearing		Prelubricated bearing
	Temperature	0-40°C (DS, DSA); 0-32°C (DSJ)	Material	Casing		Cast Iron
	Maximum Solids Size	40DS : 3mm, 50DS : 5mm, 65DS : 6mm, 80DS : 7mm		Impeller		Cast Iron
				Shaft		403 Stainless Steel
Maximum Submergence		0.4 1.5kW = 4m; 2.2 3.7kW = 8m		Mechanical Seal	Impeller Side	Silicon Carbide vs Silicon Carbide
Minimum Submergence		Refer to water level (LWL) in dimensions			Motor Side	Ceramic vs Carbon
Synchronous Speed		3000 min^{-1}		Packing		NBR
MOTOR						
Type		2 pole, air-filled waterlight				
Insulation		Class F				
Protection		Built-in overload protector				

50 HZ (SYNCHRONOUS SPEED 3000 MIN^{-1})





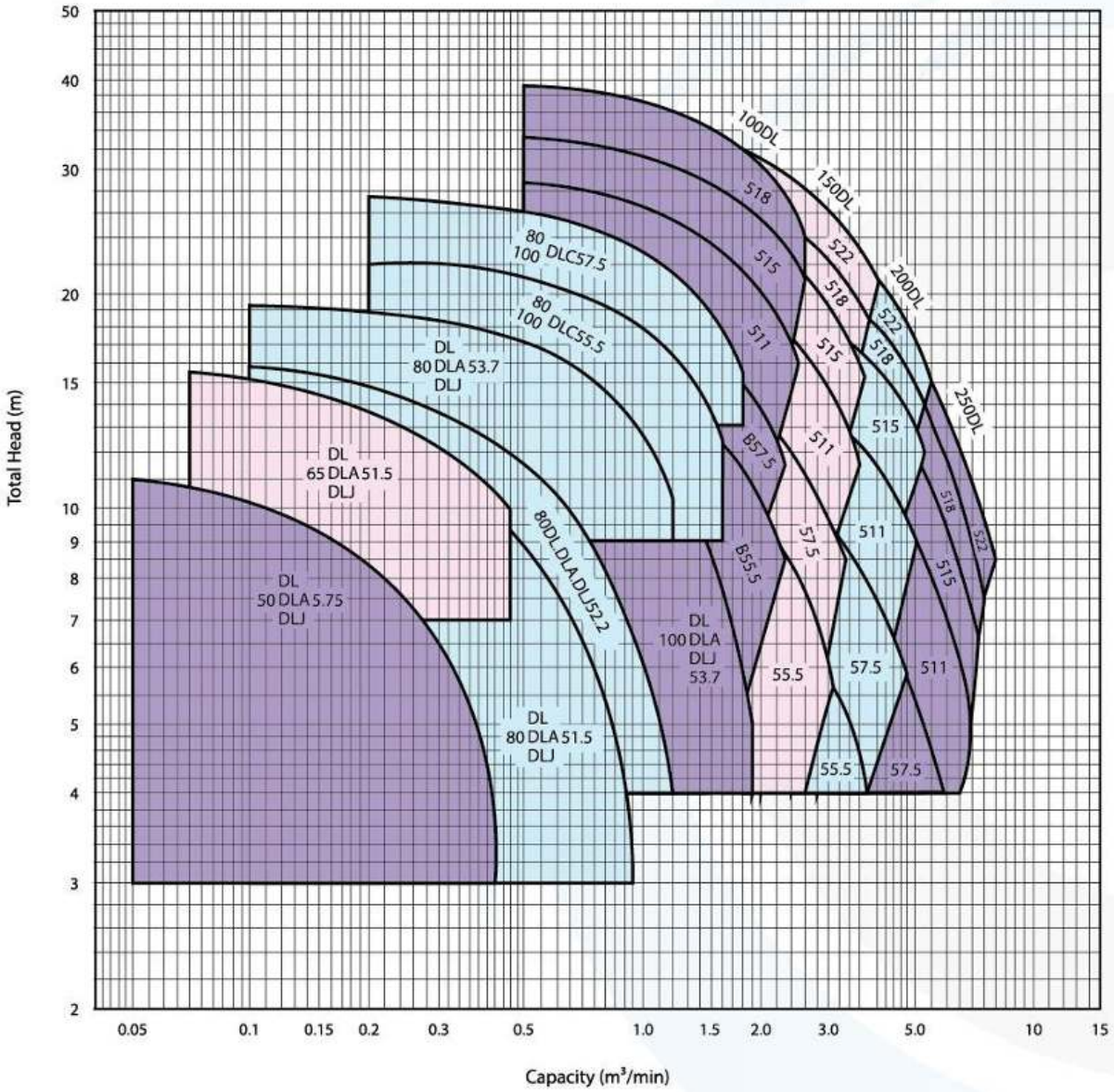
TYPE DL Submersible Sump Pump with Quick Discharge Connector

SPECIFICATION

DESCRIPTION		PUMP	DESCRIPTION			PUMP
Model		DL	Construction	Mechanical Seal		Double Mechanical Seal
No. of Pole		4		Impeller		Semi-open, non-clog
Liquid Handled	Type of Liquid	Sewage, waste water		Bearing		Prelubricated bearing
	Temperature	0-40°C (DL, DLA); 0-32°C (DLJ)	Material	Casing		Cast Iron
	Maximum Solids Size	50DL : 35mm, 65DL : 40mm, 80DL, 100 DLC : 46mm 100DL, DLB : 57mm, 150DL : 68mm, 200DL : 73mm, 250DL : 79mm		Impeller		Cast Iron
Maximum Submergence		8m		Shaft		403 Stainless Steel
Minimum Submergence		Refer to water level (LWL) in dimensions		Mechanical Seal	Impeller Side	Silicon Carbide vs Silicon Carbide
Synchronous Speed		1500 min^{-1}			Motor Side	Ceramic vs Carbon
				Packing		NBR

MOTOR	
Type	4 pole, air-filled waterlight
Insulation	Class F
Protection	Built-in overload protector (up to 7.5kW); built-in temperature detector protection (11-22kW)

50 HZ (SYNCHRONOUS SPEED 1500 MIN^{-1})



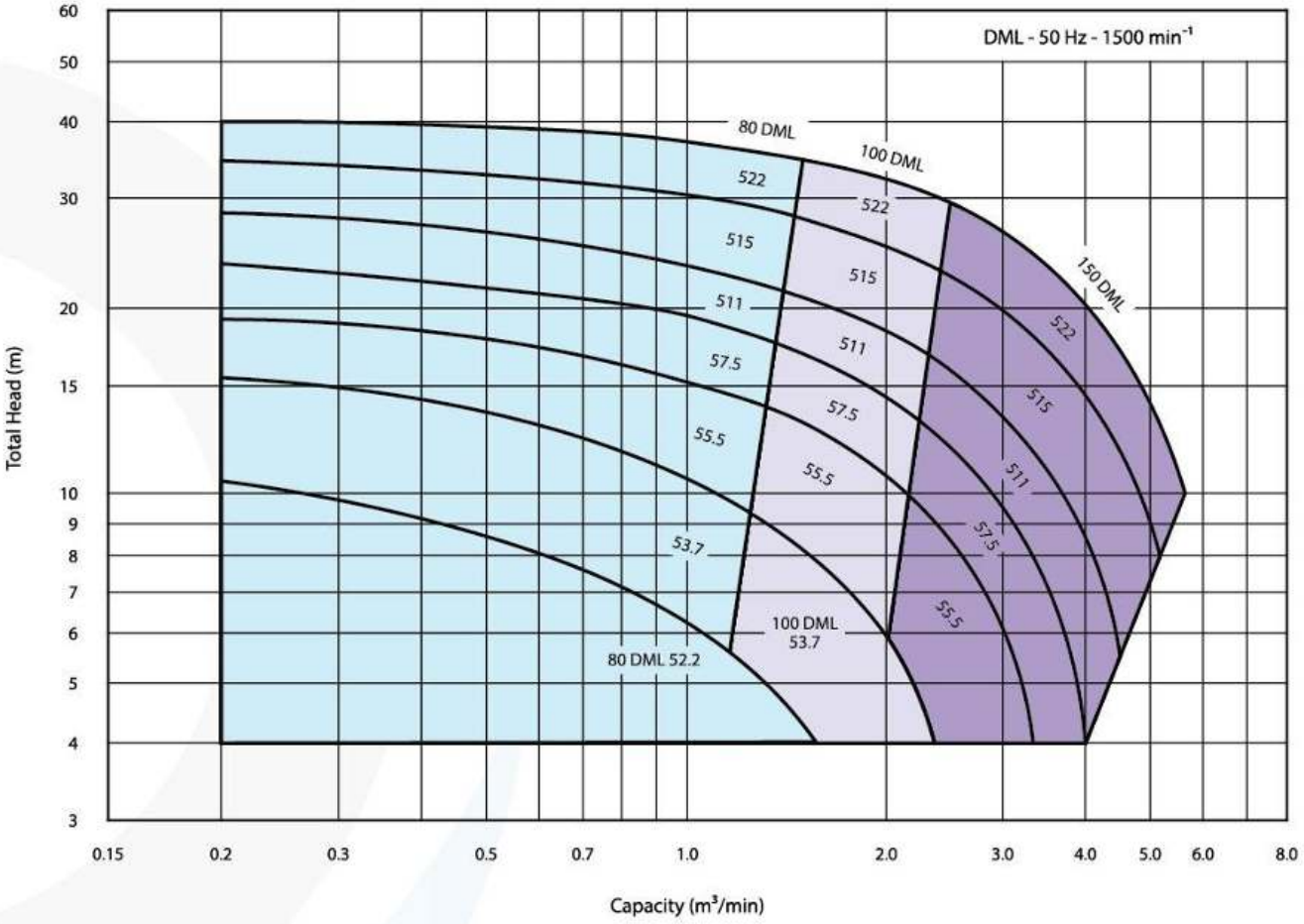


TYPE DML Submersible Sump Pump with Quick Discharge Connector

SPECIFICATION

DESCRIPTION		PUMP	DESCRIPTION			PUMP
Model		DML	Construction	Mechanical Seal		Double Mechanical Seal
No. of Pole		4		Impeller		Single channel, non-clog
Liquid Handled	Type of Liquid	Sewage, waste water		Bearing		Prelubricated bearing
	Temperature	0-40°C	Material	Casing		Cast Iron
	Maximum Solids Size	76mm		Impeller		Cast Iron
Maximum Submergence		8m		Shaft		403 Stainless Steel
Minimum Submergence		Refer to water level (L.W.L) in dimensions. It is possible to operate at low water level for 30mins.		Mechanical Seal	Impeller Side	Silicon Carbide
					Motor Side	Ceramic / Carbon
Synchronous Speed		1500 min^{-1}		Packing		NBR

MOTOR	
Type	4 pole, air-filled waterlight
Insulation	Class F
Protection	Built-in overload protector (2.2kW); built-in temperature detector protection (3.7-22kW)





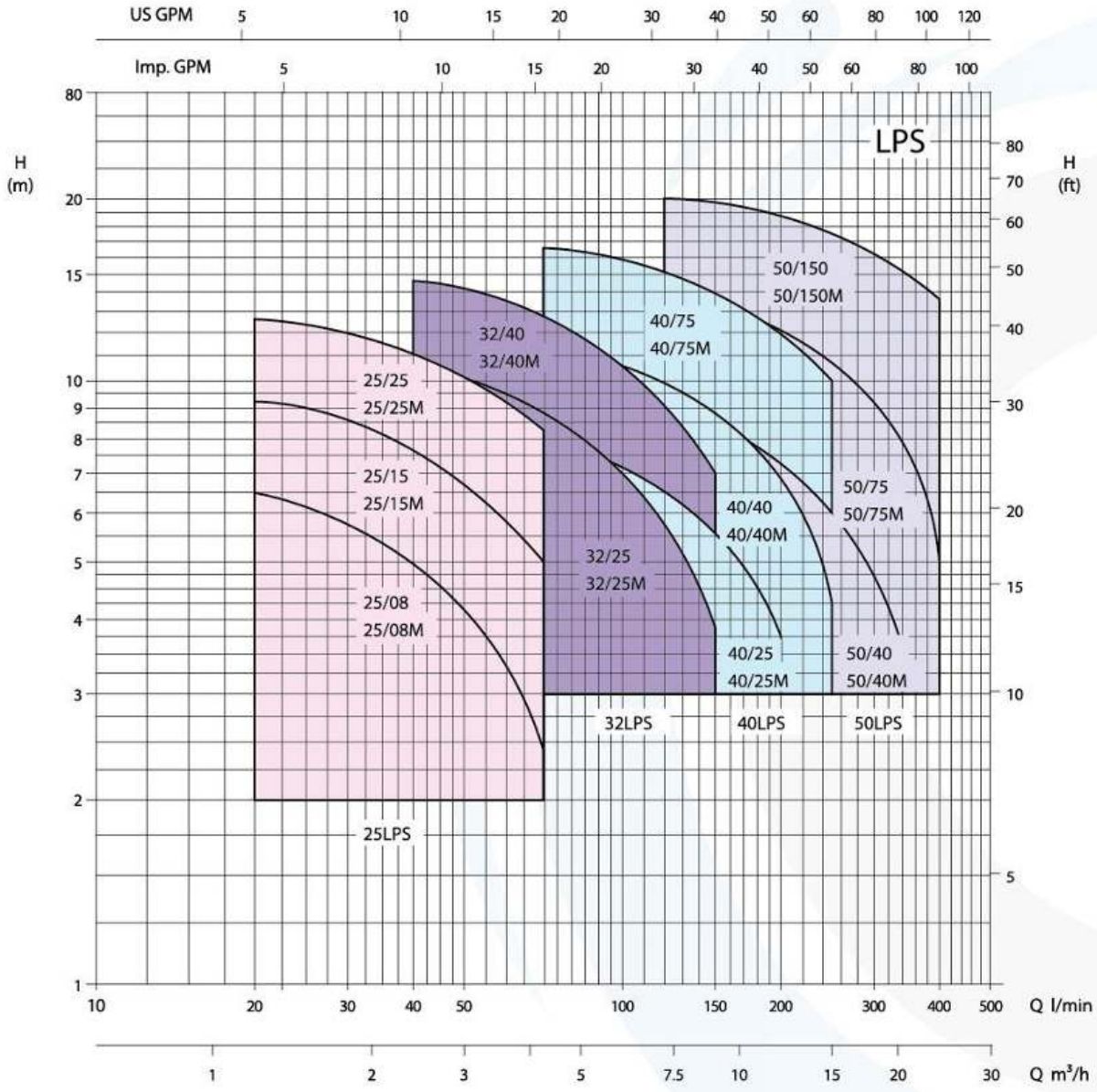
TYPE LPS In-Line Centrifugal Stainless Steel Pump

SPECIFICATION

PUMP TECHNICAL DATA	
Maximum Suction Pressure	2 bar for all single phase models and LPS 25 three phase
	4 bar for LPS 32-40-50 three phase
Liquid Temperature	-10°C ÷ +100°C
Flanges	from DN 25 to DN 50
MEI > 0,1 (LPS 25/08(M) - LPS 25/15(M) - LPS 25/25(M) - LPS 32/25(M) - LPS 40/25(M) - LPS 50/40(M) - LPS 50/75(M) - LPS 50/150(M)	

MATERIALS

- Pump body, impeller and casing cover in AISI 304
- Shaft in AISI 303 (part in contact with the liquid)
- Bracket and motor casing in aluminium
- Mechanical seal in Ceramic/Carbon/NBR
- Elastomers in NBR



TYPE CDX - 2CDX Submersible Stainless End Suction Volute Pump



SPECIFICATION

PUMP TECHNICAL DATA	
Maximum Liquid Temperature	60°C for CDX 70/05-70/07-90/10 90°C for other models,110° for H and HS versions
Maximum Working Pressure	8 bar

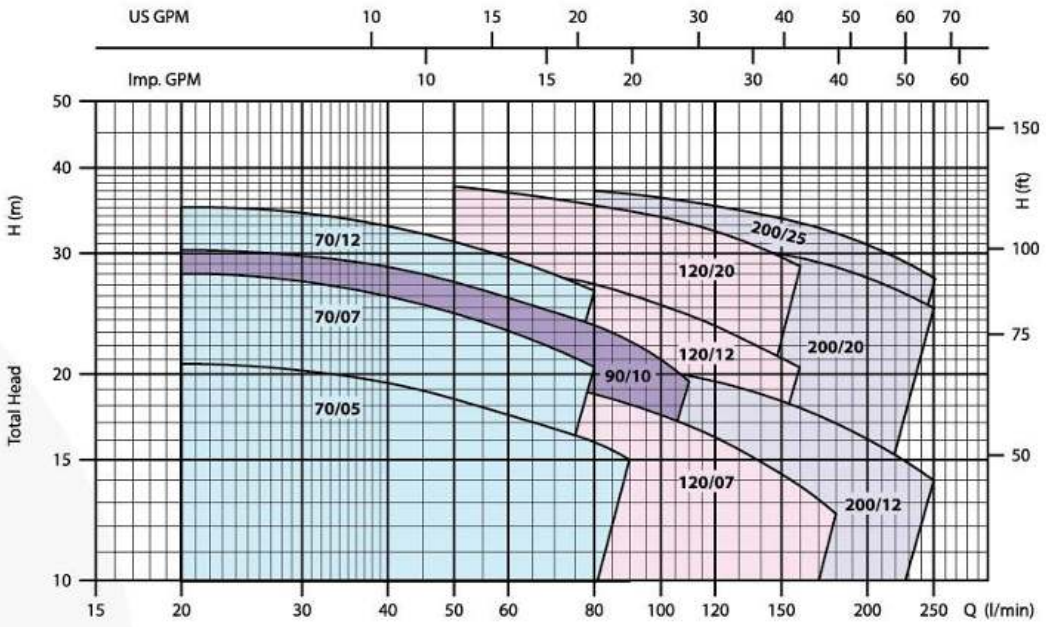
MATERIALS

- Pump body, impeller, diffuser and casing cover in AISI 304
- Shaft in AISI 303
- Bracket and motor casing in alluminium
- Mechanical seal in Ceramic/Carbon/NBR (for CDX) , Ceramic/Carbon/FPM (for CDXH), SiC/SiC/FPM (for CDXHS)
- Special mechanical seal are available on demand

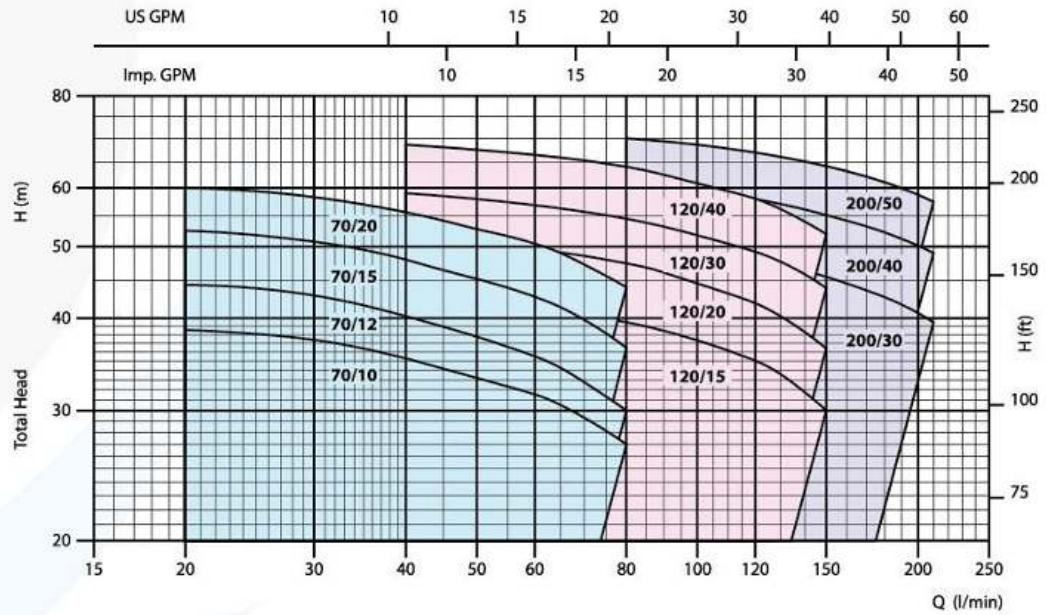
TECHNICAL DATA

- T.E.F.C. 2 poles motor
- Insulation class F
- Protection degree IP55
- 1~230V ± 10% 50Hz, 3~230/400V ± 10% 50Hz
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version
- Discharge 1"1/2

TYPE CDX PERFORMANCE RANGE



TYPE 2CDX PERFORMANCE RANGE





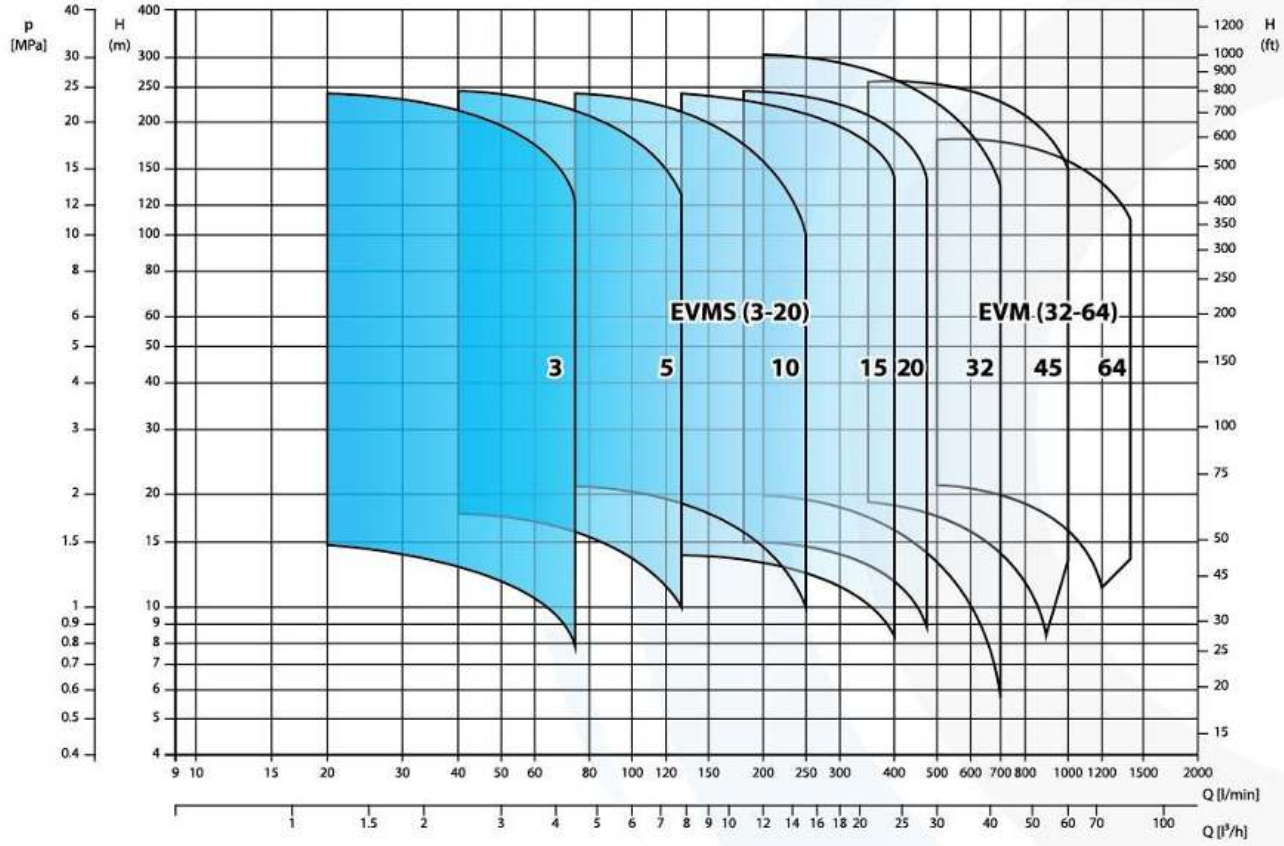
TYPE EVMS Stainless Steel Vertical Multistage Pump

Automatic / Alternate Device

SPECIFICATION

VERSION			EVMSG						EVMS						EVMSL					
Operating Range	Nominal Flow Rate (m^3/h)		1	3	5	10	15	20	1	3	5	10	15	20	1	3	5	10	15	20
	Maximum Working Pressure		1.6 / 2.5 MPa (16bar / 25bar)																	
	Maximum Liquid Temperature Range		-30° to 140°C																	
Key Component Materials	Impeller		EN 1.4301 (AI SI 304)												EN 1.4401 (AI SI 316)					
	Intermediate Casing		EN 1.4301 (AI SI 304)												EN 1.4401 (AI SI 316)					
	Linerring		EN 1.4301 (AI SI 304) + PPS												EN 1.4401 (AI SI 316) + PPS					
	Bottom Casing		Cast Iron						EN 1.4301 (AI SI 304)						EN 1.4401 (AI SI 316)					
	Casing Cover		EN 1.4301 (AI SI 304)												EN 1.4401 (AI SI 316)					
	Shaft	EN 1.4301 (AI SI 304)	EVMS(G) 1-3-10; EV MSG 5-15-20 (depend on models)																	
		Bottom Casing	EV MSL 1-3-10; EV MSL 5-15-20 (depend on models)																	
		Casing Cover	EVM S(G)(L) 5-1 5-20 (depend on models)																	
	Shaft Sleeve Bearing		Tungsten Carbide																	
	Shaft Seal		SIC / Carbon *Q1BEG																	
	O ring	EPDM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Outer Casing		EN 1.4301 (AI SI 304)												EN 1.4404 (AI SI 316)					
	Motor Bracket		Cast Iron																	
	Tie Rod		Galvanized Steel 6.8 Strength Class ISO 898/1																	
	Coupling		Diecast Alumunium (up to 4kW), Cast Iron (from 5.5kW)																	
	Base		Cast Iron						Die Cast Alumunium											

PERFORMANCE RANGE



EVMS / EVMSG 3 : 0.37 - 3 kW
EVMS / EVMSG 5 : 0.37 - 5.5 kW
EVMS / EVMSG 10 : 0.75 - 11 kW
EVMS / EVMSG 15 : 1.1 - 15 kW
EVMS / EVMSG 20 : 1.5 - 18.5 kW
EVMS / EVMG 32 : 2.2 - 30 kW
EVMS / EVMG 45 : 4 - 37 kW
EVMS / EVMG 64 : 3 - 37 kW



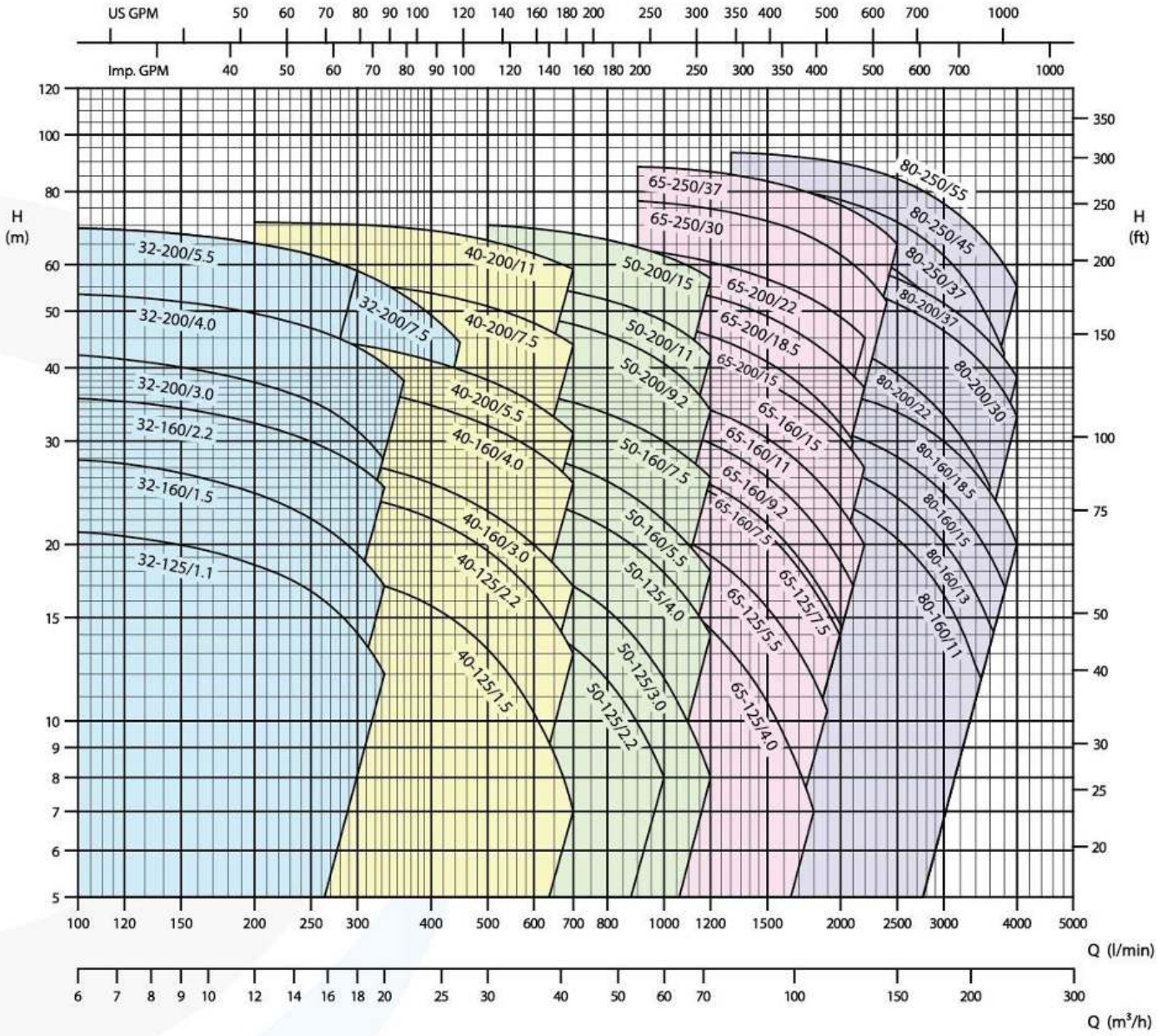
TYPE 3SF Stainless End Suction Volute Pump with Stub Coupling

SPECIFICATION

PUMP TECHNICAL DATA	
Maximum Liquid Temperature	-10°C ÷ +90°C
Maximum Working Pressure	10 bar

MATERIALS	TECHNICAL DETAILS
• 3SF 32 - 50 • Pump Casing (SS304) • Impeller 3SF 32 - 50 (SS304) • Mechanical seal: CA / CE / NBR	• Highly resistant construction • Hydroforming process EBARA patent

PERFORMANCE RANGE





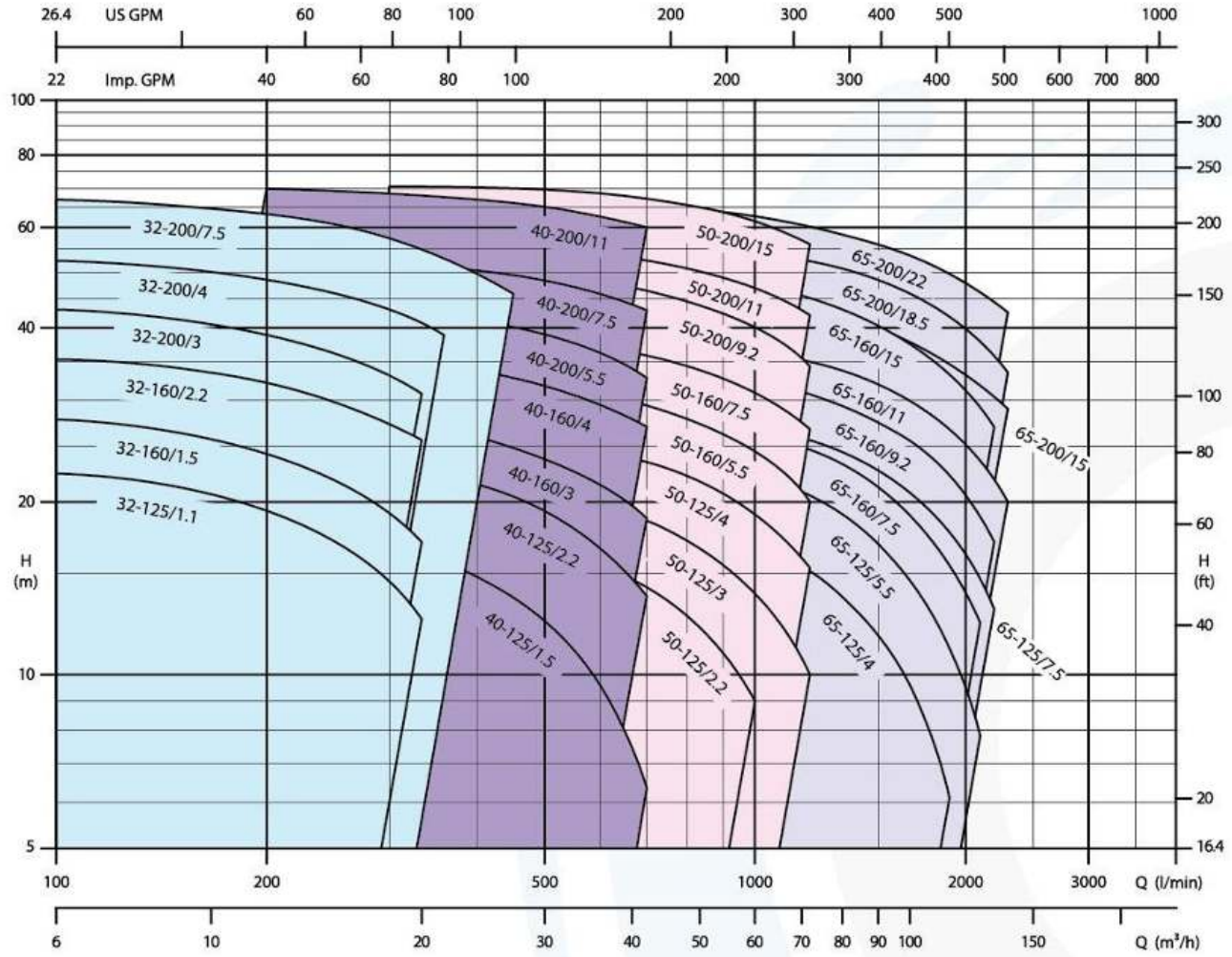
TYPE 3D Centrifugal Pumps Close Coupled

SPECIFICATION

PUMP TECHNICAL DATA	
Maximum Liquid Temperature	-5°C ÷ +90°C
Maximum Working Pressure	10 bar

MATERIALS	TECHNICAL DETAILS
• Pump casing in cast iron EN-GJL-250-EN 1561 • Impeller in AISI 304 for 3D(.) SERIES 32, 40, 50 • Shaft in AISI 304 (part in contact with the liquid) • Mechanical seal in Ceramic/Carbon/NBR (standard)	• Highly resistant construction • Impeller in stainless steel • High efficiency

PERFORMANCE RANGE



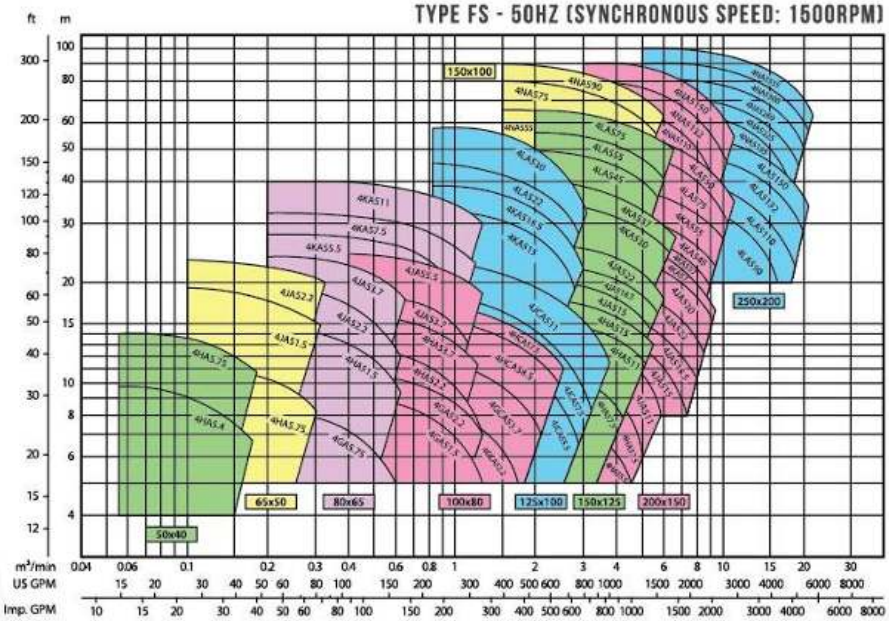


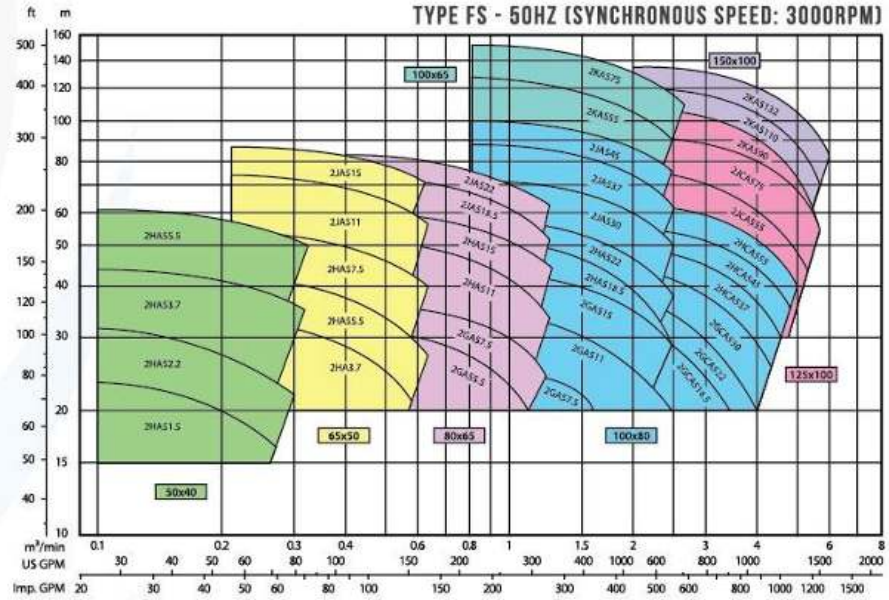
TYPE FS End Suction Volute Pump

SPECIFICATION

DESCRIPTION		STANDARD	DESCRIPTION		STANDARD
Liquid	Name	Clean Water	Flange (Suction & Discharge)		
	Temperature	0 to 80°C (32 to 176°F)	Suction < ϕ 150mm, except bellow 100x65 FSKA		: JIS 10K RF : JIS 16K RF
Max. Working Pressure		10 bar (10.2 Kgf/cm²) for standard flange JIS 10K RF	Suction < ϕ 150mm, except bellow models 150x100 FSKA, 150x100 FSNA		: JIS 10K RF : JIS 16K RF
		16 bar (16.3 Kgf/cm²) for standard flange JIS 16K RF	Suction < ϕ 200mm, except bellow models 200x150 FSLA, 200x150 FSNA		: JIS 10K RF : JIS 16K RF
Synchronous Speed		3000 Min⁻¹ / 1500 Min⁻¹	Suction = ϕ 250mm		: JIS 16K RF
Installation		Indoors			
Construction	Impeller	Enclosed	Material	Casing	Cast Iron
	Shaft Seal	Mechanical Seal		Impeller	Bronze Casting (CAC406/BC6)
	Sealing	Self Flushing		Shaft	403 Stainless Steel
	Bearing	Sealed Ball Bearing		Seal	Mechanical Seal : Ceramic / Carbon / NBR

* 2 poles & 4 poles models available





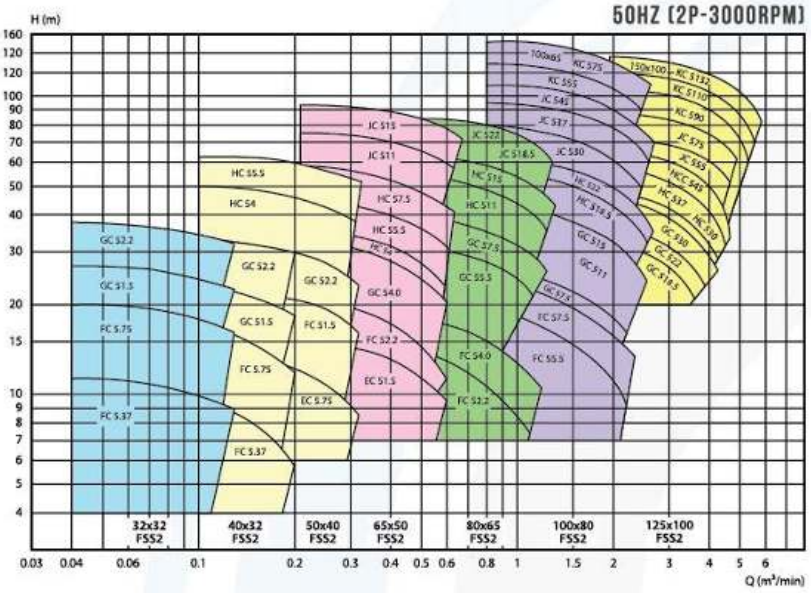


TYPE FSSC End Suction Volute Pump

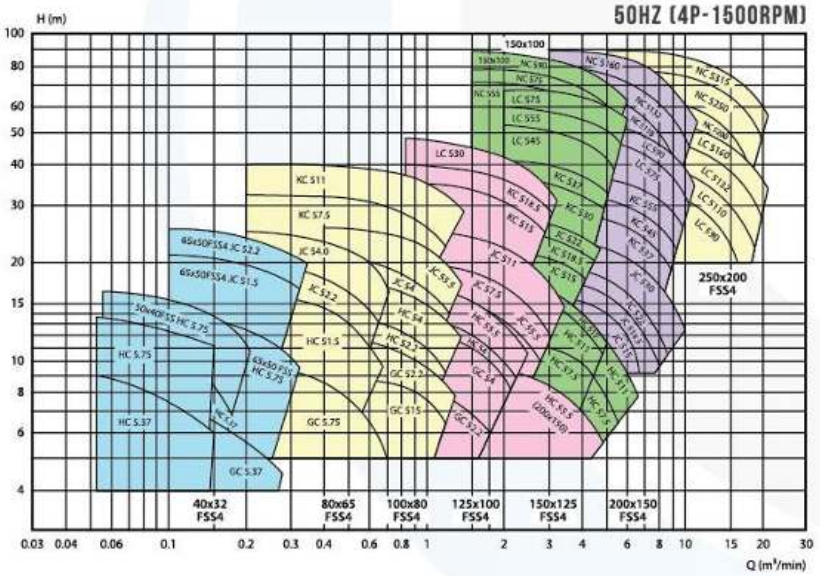
SPECIFICATION

TYPE		STANDARD	
Liquid Handled	Name	Clean water	Clean water, oil, chemical liquid
	Temperature	-10°C ~ -105°C	
Max. Working Pressure		10 bar	16 bar
Construction	Casing	Base install	
	Impeller	Enclosed	
	Shaft Seal	Mechanical Seal (Balanced)	
	Sealing	Water series: self flushing (-10°C ~ 80°C), External flushing (80°C ~ 105°C)	
		Oil series: self flushing (-10°C ~ 100°C), External flushing (100°C ~ 105°C)	
	Bearing Type & Lubrication	Sealed deep groove ball bearings (grease lubrication)	
Flange		JIS 10K RF	JIS 16K RF
Material	Casing	SCS13	
	Impeller	SCS13	
	Shaft	SUS316	
	Mechanical Seal	SIC/C/FPM	

50HZ (2P-3000RPM)



50HZ (4P-1500RPM)



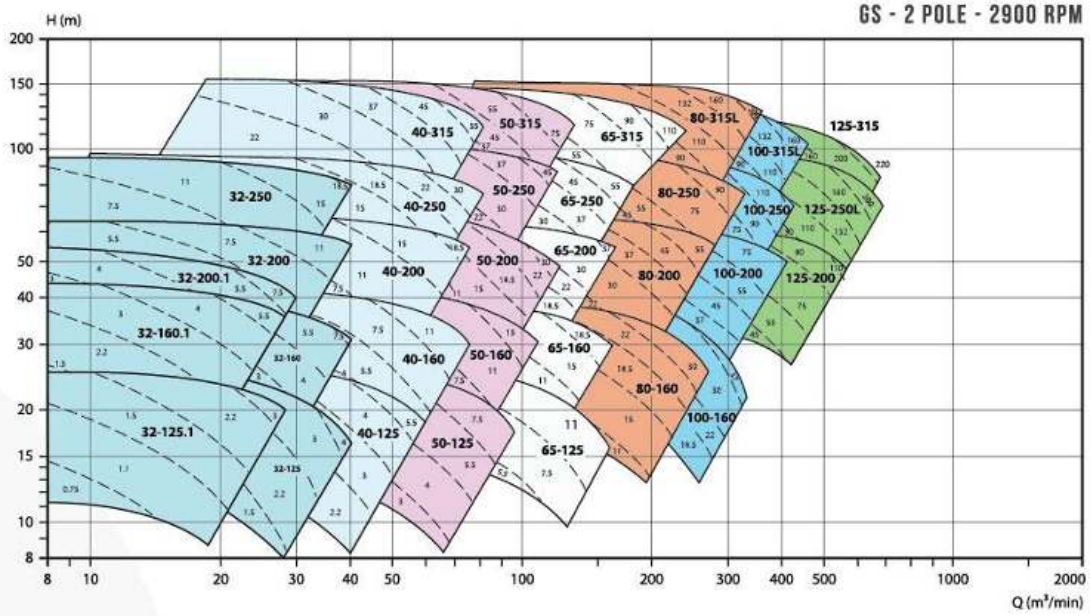


TYPE GS End Suction Volute Pump

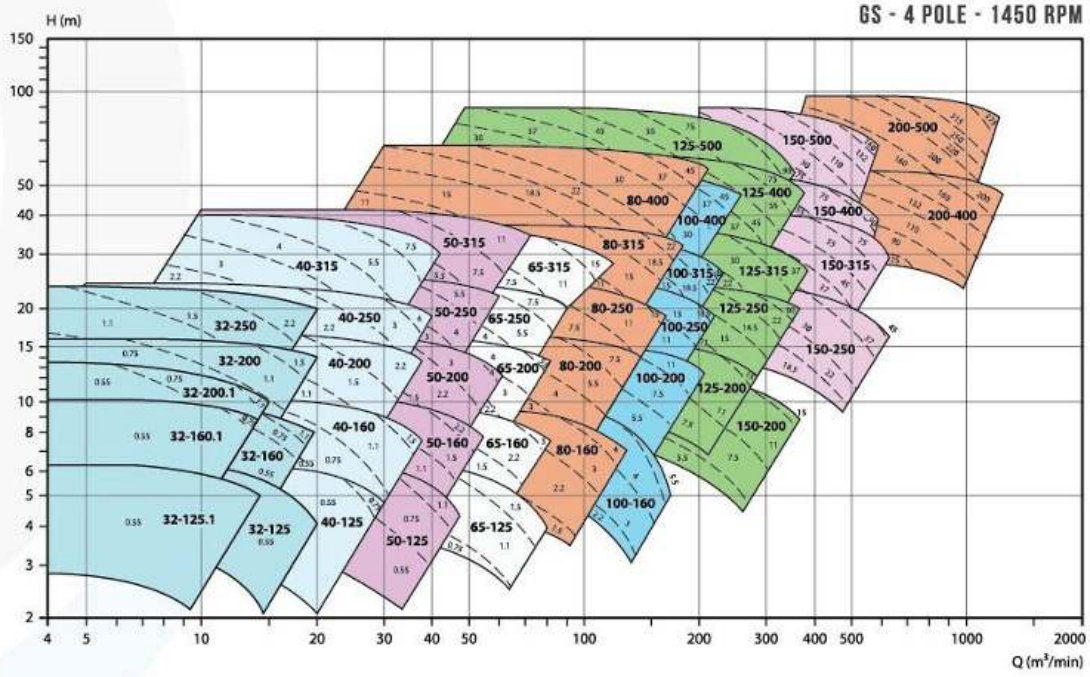
SPECIFICATION

DESCRIPTION		STANDARD	DESCRIPTION		STANDARD
Model		GS	Material	Casing	Cast Iron
Liquid Handled	Type of Liquid	Clean Water		Impeller	Bronze
	Temperature	-10°C to 140°C		Shaft	Cr. Steel (SUS 431)
Max. Operating Pressure		Up to 16 bar (16.3 kgf/cm²) / for standard flange DIN-PN16		Case Wear Ring	Bronze
				Shaft Sleeve	304 Stainless Steel for Gland Packing only
Construction	Impeller	Closed		O-ring	EPDM
	Shaft Seal	Mechanical Seal / Gland Packing	Flange Standard		EN1092-2 (DIN-PN 16)
	Flushing	N/A	Priming Hole		Discharge size 32 until 80mm not available
	Ball Bearing	Shield Ball Bearing (Grease Lubrication)			

GS - 2 POLE - 2900 RPM



GS - 4 POLE - 1450 RPM

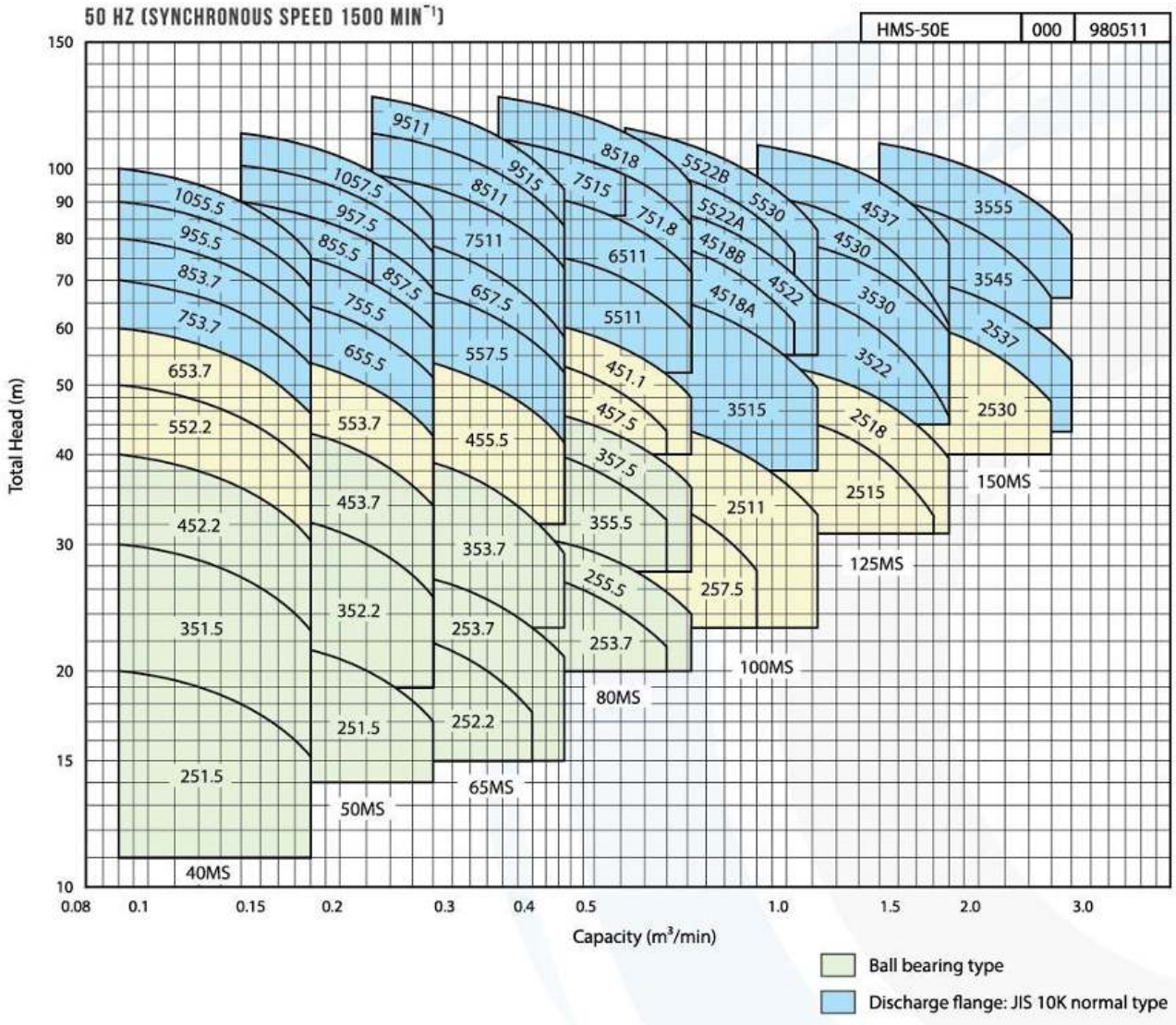


TYPE MS Multistage Pump



SPECIFICATION (1500 RPM)

MS PUMP		FLANGE	
Liquid	Fresh Water 0-80°C	Suction Side	JIS 10K thin type
Total Suction Head	-6m at 20°C, max. capacity of selection chart	Discharge Side	[Balancing disk type] JIS10K thin type or JIS10K normal type [Ball bearing type] JIS 10K thin type
Max. Suction Pressure	0.4MPa {4kgf/cm²}	MATERIALS	
CONSTRUCTION		Casing	Cast Iron
Impeller	Enclosed	Impeller	304 Stainless steel: 40MS, 50MS Bronze: 65MS to 150MS
Shaft Seal	Gland Packing	Shaft	Carbon Steel
Bearing	[Balancing disk type] Sleeve bearing (Lubricant oil) [Ball bearing type] Sealed ball bearing	Shaft Sleeve	Bronze
		Motor	Three phase, 4 pole, 1.5 to 55kw





TYPE GPE & GPF Ebara Gear Pump

GLAND PACKING TYPE

ITEMS		GPE
Liquid Handled	Liquid Type	A.B.C. Heavy Oil, Turbine Oil
	Temperature	0-70℃
	Viscocity	7-500mm²/s {cSt}
Suction Head		-0.03MPa {-0.3kgf/cm²}
Max. Suction Pressure		0.1MPa {1kgf/cm²}
Max. Discharge Pressure		0.3MPa
Construction	Seal Bearing	Gland Packing Needle Type Roller Bearing
Connection		Screw Type
Material	Casing	Cast Iron {FC200}
	Gear	Carbon Steel {S45C}
	Shaft	Carbon Steel {S45C}
Standard Accessories		Safety Valve (installed in pump)
		Common Base
		Coupling
		Coupling Guard

MECHANICAL SEAL TYPE

ITEMS		GPF
Liquid Handled	Liquid Type	A.B.C. Heavy Oil, Turbine Oil
	Temperature	0-80℃
	Viscocity	5-500mm²/s {cSt}
Suction Head		-0.05MPa {-0.5kgf/cm²}
Max. Suction Pressure		0.1MPa {1kgf/cm²}
Max. Discharge Pressure		1.0MPa
Construction	Seal Bearing	Mechanical Seal Needle Type Roller Bearing
Connection		Screw Type
Material	Casing	Cast Iron {FC200}
	Gear	Carbon Steel {S45C}
	Shaft	Carbon Steel {S45C}
Standard Accessories		Safety Valve (installed in pump)
		Common Base
		Coupling
		Coupling Guard



FOOT VALVE

50 m/m - 400 m/m



NM, NMD

Close Coupled Centrifugal
Pumps with Threaded Ports



NM

Close Coupled Centrifugal
Pumps EN 733 RPM



N, N4

End-Suction Centrifugal
Pumps EN = 733



MPC COMPACT POOL

Self Primming Swimming Pool
Pumps with Built-in Strainer



A

Self Primming Centrifugal
Pumps with Open Impeller



NMP

Self Primming Centrifugal
Pumps with Built-in Strainer



MXH

Horizontal Multi Stage
Stainless Steel Pumps



MXP

Horizontal Multi Stage
Close Coupled Pumps



MXV, MXV-B

Vertical Mulsti Stage in Line
Stainless Steel Pumps

PRODUCT RANGE & SPECIFICATION

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
NM, NMD	3.5 - 114	1 - 66	0.37 - 9.2
NM	3 - 95	1 - 480	0.25 - 75
N	6 - 95	6.6 - 95	0.55 - 75
N4	1.5 - 61.5	2.4 - 480	0.25 - 75

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
MPC	4.5 - 18	3 - 40	0.37 - 2.2
A	4 - 29	6 - 57	0.75 - 4
NMP	3 - 37.5	6.6 - 108	0.55 - 11

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
MXH	6 - 65	1 - 25	0.33 - 1.8
MXP	6 - 65	1 - 25	0.33 - 1.8
MXV, MXV-B	4 - 250	0.6 - 60	0.55 - 22



CT 61, T-SERIES

Peripheral Pumps



I, IR

Gear Pumps



GM 10

Submersible Drainage Pumps



GM 50

Submersible Sewage Pumps



GX 40

Submersible Sewage Pumps



MXS

Stainless Steel Multi Stage
Submersible Clean Water Pumps



SDX

Stainless Steel Multi Stage
Submersible Bore Hole Pumps
for 6" and 8" Wells



SD, SDF, SDN

Submersible Bore Hole Pumps
for 4" and 6" Wells



SDS

Submersible Bore Hole Pumps
for 6", 7", 8" and 10" Wells

PRODUCT RANGE & SPECIFICATION

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
CT 61, T-Series	6 - 165	0.6 - 6	0.3 - 7.5
I, IR	20 - 50	0.6	0.25 - 0.75
GM 10	2.2 - 6.5	3 - 12	0.3

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
GM 50	1 - 14.5	3 - 48	0.55 - 1.5
GX 40	1 - 14.5	3 - 48	0.55 - 1.5
MXS	12 - 105	1 - 11	0.55 - 3

TYPE	HEAD (m)	Q (m^3/h)	POWER (kW)
SDX	6 - 480	0.6 - 350	0.37 - 150
SD, SDF, SDN	6 - 480	0.6 - 350	0.37 - 150
SDS	6 - 480	0.6 - 350	0.37 - 150



TYPE MULTITEC

Horizontal Multi Stage Pump

SPECIFICATION

OPERATING DATA	
Q / Capacity	Up to 936 m³/h, (15,600 l/min)
Head	Up to 400 m
DN / Size	50 to 250
Operating Pressure	Up to 40 bar
Temperature	Up to +40°C
MATERIALS	
Volute Casing	High-quality cast iron JL1040
Shaft	Chrome steel 1.4057.05
Impeller	Tin bronze CC480K-GS
Impeller mounting parts	Chrome nickel steel 1.4571.07/A4-50/1.431
Casing Wear Rings	Leaded bronze CC495K-GS
Shaft protection sleeve	Chrome Steel 1.4122



TYPE ETANORM SYT

End Suction Centrifugal Pump

SPECIFICATION

OPERATING DATA	THERMAL OIL	HOT WATER
Q / Capacity	Up to 1900 m³/h, 528 l/s	
Head	Up to 102 m	
Temperature	-30°C to +350°C	up to +180°C
Pressure	Up to 16 bar	
MATERIALS		
Volute Casing	Nodular cast iron JS1025	
Discharge Cover	Nodular cast iron JS1030	
Shaft	Chrome steel 1.4021.05 HRC 55/1.4057	
Impeller	Grey cast iron JL1040	
Wear Rings	Grey cast iron GG	
Bearing Bracket	Nodular cast iron JS1030	



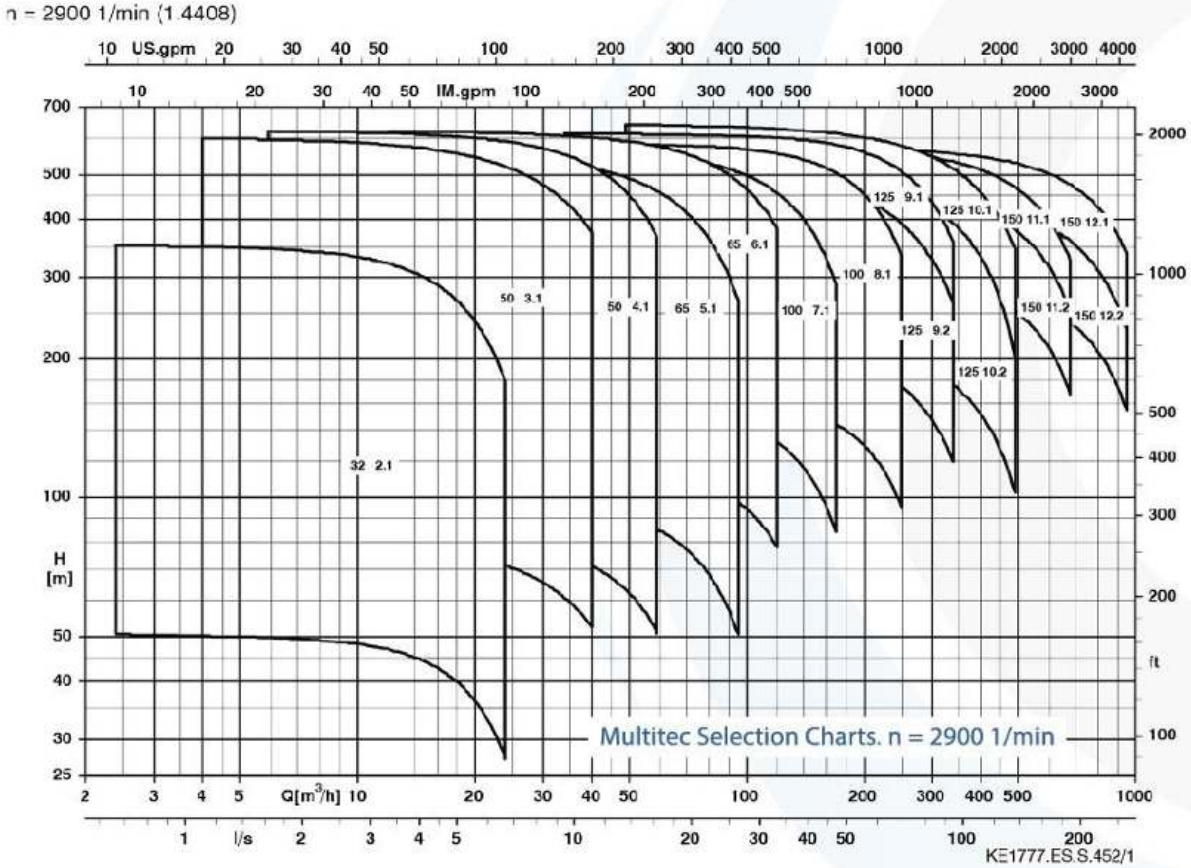
TYPE ETANORM ETN

Standardised Water Pumps

SPECIFICATION

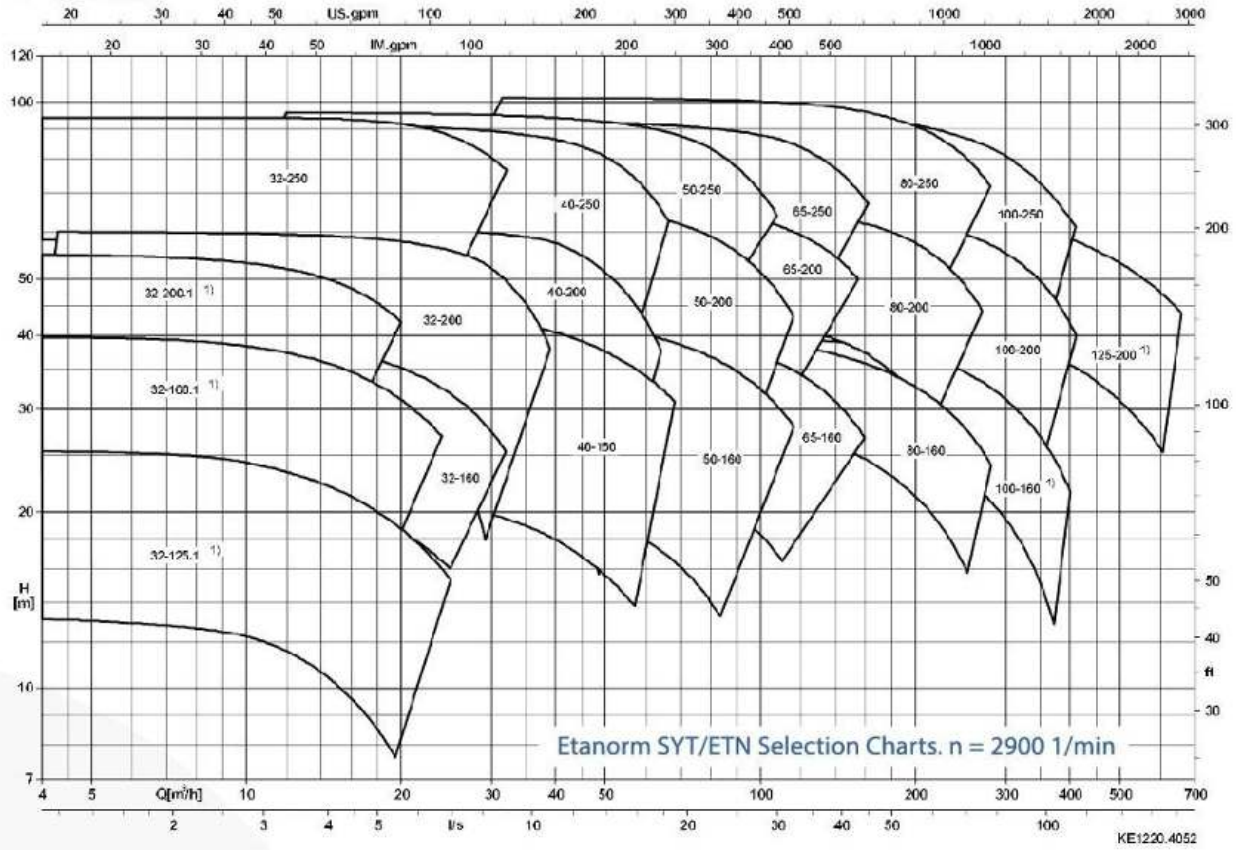
OPERATING DATA	
Q / Capacity	Up to 640 m3/h (50 Hz)
Head	Up to 160 m (50 Hz)
Pressure	Up to 16 bar
Temperature	-30°C to +140°C
MATERIAL VARIANTS	
Grey cast iron EN-GJL-250 / A 48 CL 35B	
Nodular cast iron EN-GJS-400-15/A536 GR 60-40-18	
Stainless steel 1.4408 / A743 Gr CF8 M	
Bronze CC480K-GS/B30 C90700	

MULTITEC SELECTION CHARTS

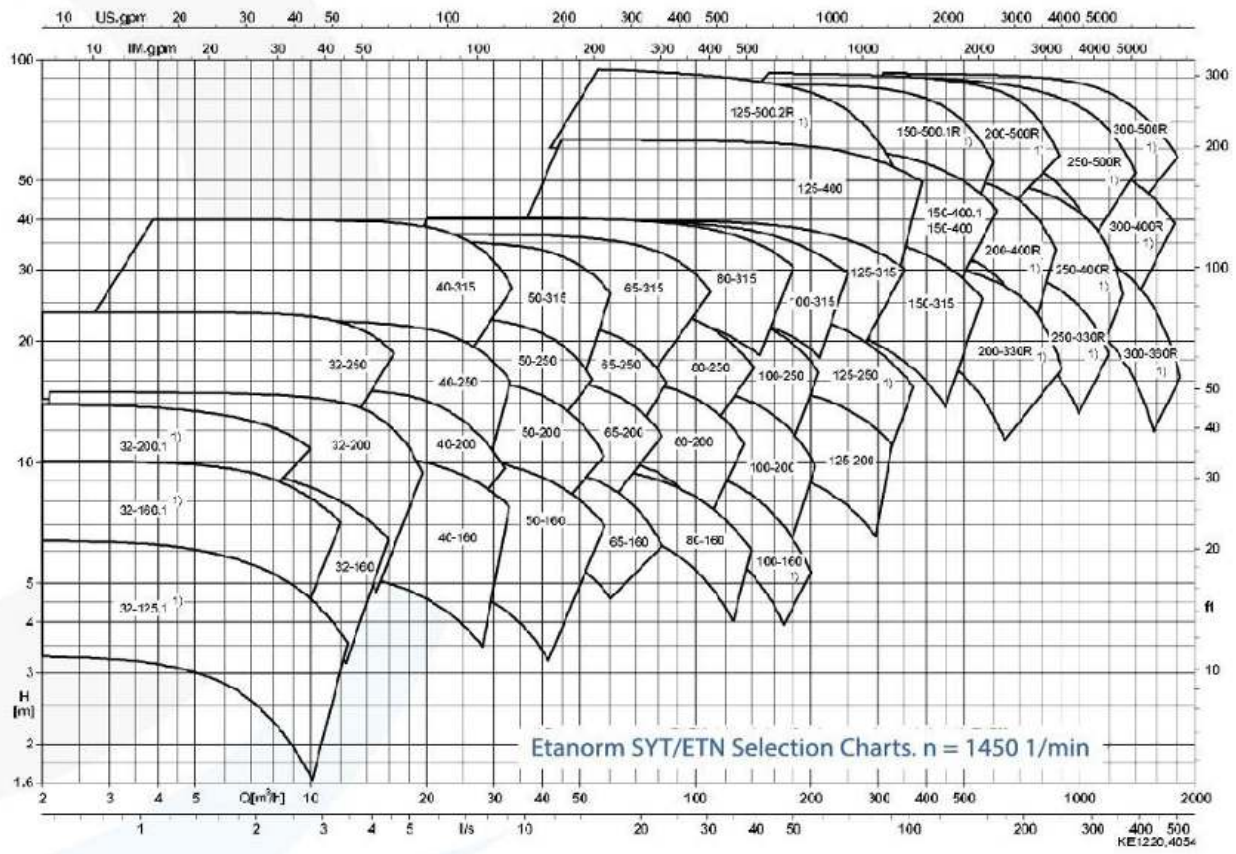


ETANORM SYT/ETN SELECTION CHARTS

n = 2900 1/min



n = 1450 1/min





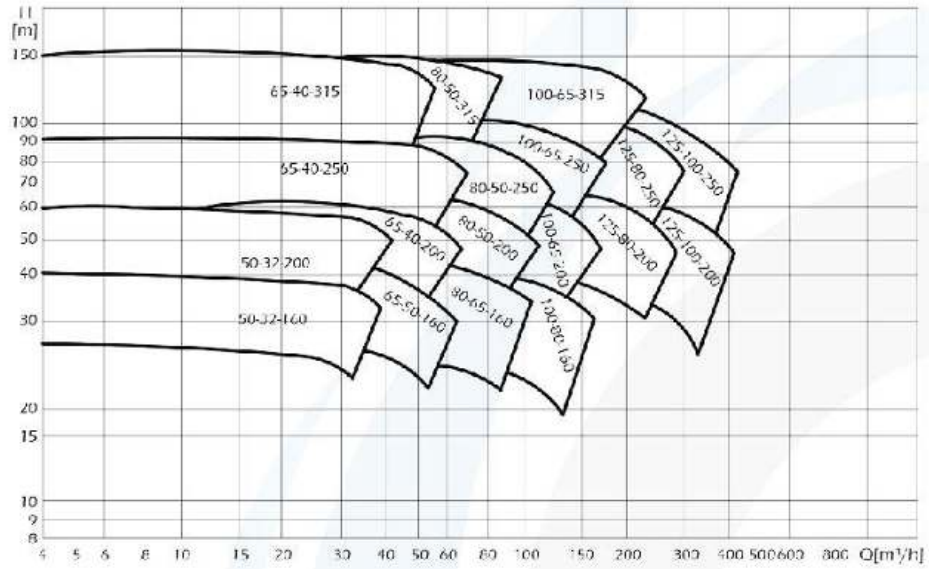
MILANO

Stainless Steel End Suction Centrifugal Pump

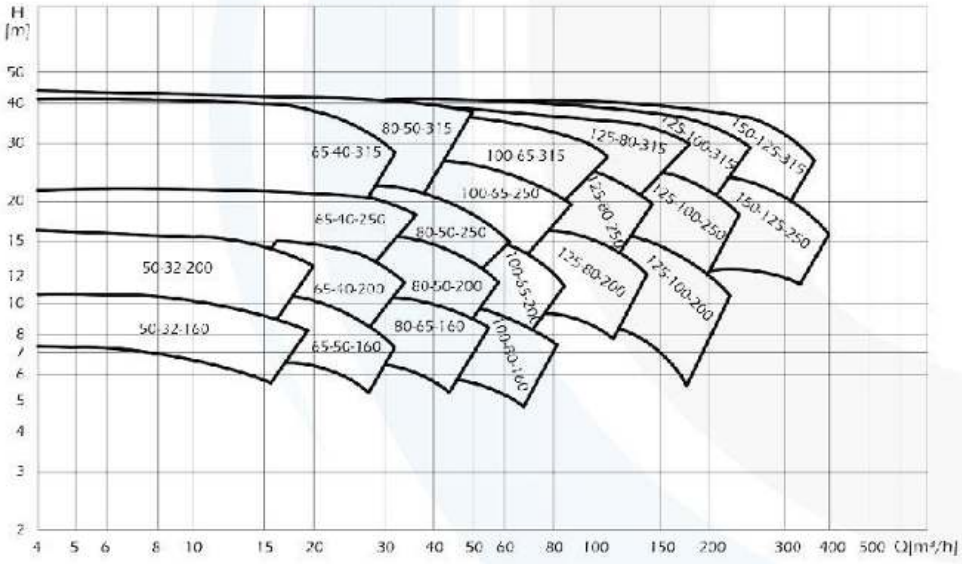
SPECIFICATION

PART	MATERIAL	PART	MATERIAL
Shaft	SS316	Dust Seal – Pully End	NBR
Bearing Cover	Cast Iron	Impeller Washer	SS316
Backplate	SS316	Impeller Nut	SS316
Impeller	SS316	Mechanical Seal	SIC vs SIC
Casing	SS316	Support Foot	Steel
Impeller Key	SS316	O-Ring	Viton
Casing Plug	SS316	Cover	Cast Iron
Dust Seal – Impeller End	NBR	Cover to Bearing Housing Bolt	Steel

2 POLES, 50HZ



4 POLES, 50HZ

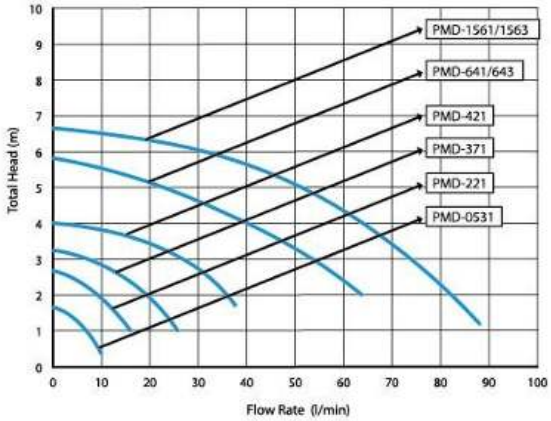


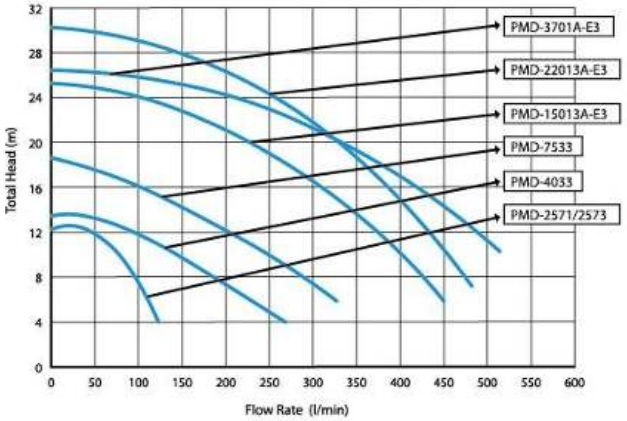
PMD SERIES

For Chemical and Sea Water Pump



PERFORMANCE CURVE (50HZ)





PART NAME AND MATERIAL				
Casing :	PP (with glass)	**Thrust Block :**	Alumina Ceramics
Impeller :	PP (with glass)	**Pump Bearing :**	PTFE
Pump Shaft :	Alumina Ceramics	**O-Ring :**	FKM









TYPE KJ & KJF Material PVDF

SPECIFICATION

TYPE	INLET X OUTLET DIAMETER (M/M)	POWER (50Hz)			(M)	L / min	WEIGHT (KG)
		PHASE	POLE	HP			
KJ/KJF-4005	40x40	3ϕ	4	0.5	7	180	21
KJ/KJF-4012	40x40	3ϕ	2	1	12	200	26
KJ/KJF-4022	40x40	3ϕ	2	2	18	360	34
KJ/KJF-5032	50x50	3ϕ	2	3	21	440	42
KJ/KJF-5052	50x50	3ϕ	2	5	26	600	69
KJ/KJF-7552	75x75	3ϕ	2	5	26	680	71

TYPE KJL & KJLF Material FRPP

SPECIFICATION

TYPE	CURVE NO.	INLET X OUTLET DIAMETER (M/M)	POWER		50Hz		WEIGHT (KG)
			PHASE	HP	TOTAL HEAD (M)	MAX. CAPACITY (L/min)	
KJL/KJLF-4012	A	40x40	3ϕ	1	9	170	65
KJL/KJLF-4022	B	40x40	3ϕ	2	18	320	73
KJL/KJLF-5032	C	50x50	3ϕ	3	21	420	81
KJL/KJLF-5052	D	50x50	3ϕ	5	25	450	95
KJL/KJLF-7552	E	80x80	3ϕ	5	25	680	100
KJL/KJLF-7572	F	80x80	3ϕ	7.5	27	730	116
KJL/KJLF-75102	G	80x80	3ϕ	10	30	800	122

TYPE M

Mechanical Diaphragms
Metering Pumps



SPECIFICATION

Ø DIAPH./ STROKE	50Hz			MAX PRESS. (bar)	POWER (kW)	PIPE Ø
	TYPE	STROKES / 1	MAX FLOW RATE L/H	3ph		
2 94	M 7 M 11 M 16 M 23	25 36 50 70	7 11 16 23	12	0.25	3/8"
	M 31 M 37 M 50	95 115 155	31 37 50	10		
4 108	M 35 M 49 M 75 M 101	36 50 70 95	35 49 75 101	10		1/2"
	M 120 M 155	115 155	120 155	10		
6 138	M 102 M 131	36 50	100 132	8	0.37	3/4"
	M 201 M 261	70 95	197 260	7		
	M 321 M 421	115 155	320 420	6		
6 165	M 150 M 190 M 301	36 50 70	150 200 300	5		1"
	M 431 M 521	95 115	435 520			

TYPE R

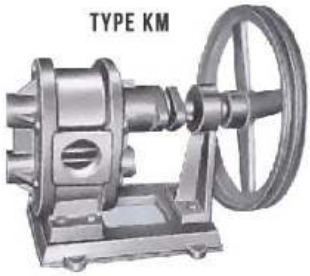
Plunger Metering Pumps



SPECIFICATION

TYPE	50Hz		PUMPHEAD WITH GLAND NUT							MOTOR (kW)
	STROKES / 1	MAX FLOW RATE L/H	MAX PRESS. (bar)			CONNECTIONS				
						THREADED		FLANGED		
			A	A-TL	P	A/A-TL	P	A/A-TL	P	3ph
R 6	25 36 50 70	7 11 16 23	/	40	10 ●	1/4" BSP f	1/4" BSP f DIRECT CONNECT (NO RING NUT)	DN 15 - 1/2" ANSI	DN 15 - 1/2" ANSI	0.25 KW NO TL
R 10	36 50	2 3	10	40	10 ●					
	70 95 115	4 5.5 7	10	40	10					
R 16	36 50 70 95 115	5 7 11 15 18	10	40	10	3/8" BSP f	3/8" BSP f			
R 25	36 50 70 95 115	15 20 30 38 45	10	40 40 40 35 30	10					
R 30	36 50 70 95 115	20 30 40 55 65	10	40 40 35 26 22	10					
R 43	36 50 70 95 115	40 55 90 115 150	10	12 12 12 12 /	10		1/2" BSP f			
R 50	36 50 70 95 115	58 80 120 160 200	10 10 10 9 8	/	10 10 10 9 8	1/2" BSP f				0.37 KW
R 62 ●	36 50 70 95 115	90 125 175 250 300	10 10 8 6 5	/	10 10 8 6 5	3/4" BSP f		DN 20 - 3/4" ANSI		





TYPE KG & KM Gear Type Rotary Pump Stainless Steel

SPECIFICATION

TYPE	PIPE DIAMETER	HP	RPM	CAPACITY	PRESSURE (bar)	MATERIAL
KG-1	0.5"	0.5	450	14	3	SS304
KG-2	0.75"	0.5-1	430	35	4	
KG-3	1"	1-2	430	48	4	
KG-4	1.25"	1-3	430	56	4	
KM-5	1.5"	2-5	430	95	4	
KM-6	2"	3-5	430	150	4	
KM-7	2.5"	5-7.5	360	200	4	
KM-8	3"	10	350	260	4	
KM-9	4"	15-30	350	500	4	

KOSHIN



GB-GC SERIES Simple, Compact and Light Gear Pump

SPECIFICATION

TYPE	GEAR MATERIAL	CONNECTION DIAMETER	DELIVERY VOLUME			DELIVERY PRESSURE	SHIPHONING FACTOR	POWER	PULLEY	WEIGHT (KG)
			200RPM	400RPM	600RPM					
GC-13	Cast Iron	13m/m(1.5")	10 l/min	21 l/min	32 l/min	1~3 kgf/cm²	4m / 10Ft	200W	125xA1	5kg
GB-13	Brass									
GC-20	Cast Iron	20m/m(1.75")	18 l/min	37 l/min	56 l/min			400W	150xA1	6kg
GB-20	Brass									
GC-25	Cast Iron	25m/m(1")	27 l/min	55 l/min	83 l/min			750W	200xA1	10kg
GB-25	Brass									



GL SERIES High Lifting Capacity and Simple Mechanism Pump

SPECIFICATION

TYPE	MATERIAL	CONNECTION DIAMETER	MAXIMUM PRESSURE	DELIVERY VOLUME 50Hz (1450RPM)	POWER (HP)	SPEED	PUMP SHAFT DIAMETER
GL-13-5	Cast Iron	PS13m/m (0,5")	0.5MPa	17 l/min 4.5 U.S.G/min	0.5	4 P	ø18m/m
GL-13-10	Brass		1MPa		1		
GL-20-5	Cast Iron	PS20m/m (0,75")	0.5MPa	29 l/min 7.7 U.S.G/min	1		
GL-20-10	Brass		1MPa		2		
GL-25-5	Cast Iron	PS25m/m (1")	0.5MPa	46 l/min 12.1 U.S.G/min	2		
GL-25-10	Brass		1MPa		3		
GL-32-5	Cast Iron	PS32m/m (1,25")	0.5MPa	71 l/min 18.7 U.S.G/min	3		
GL-32-10	Brass		1MPa		5		
GL-40-5	Cast Iron	PS40m/m (1,5")	0.5MPa	100 l/min 26.4 U.S.G/min (960rpm)	3	6 P	ø22m/m
GL-40-10	Brass		1MPa		7.5		
GL-50-5	Cast Iron	PS50m/m (2")	0.5MPa	165 l/min 43.6 U.S.G/min (940rpm)	5.5		
GL-50-10	Brass		1MPa		10		

SUBMERSIBLE MOTOR 4", 6" and 8"; 0,37-150kw



Submersible Motors



Control Boxes

4" SUPER STAINLESS WATER WELL - 220V			
TYPE	KW	HP	THRUST
2145559204S	0.37	0.5	300
2145579204S	0.55	0.75	300
2145589203S	0.75	1	650
2243509203S	1.1	1.5	650
2243519204S	1.5	2	650
2243522604	2.2	3	900

4" SUPER STAINLESS WATER WELL - 380V			
TYPE	KW	HP	THRUST
2345639403S	0.75	1	650
2345249403S	1.1	1.5	650
2345259403S	1.5	2	650
2343268602	2.2	3	1500
2343958602	3	4	1500
2343278602	3.7	5	1500
2343978602	4	5.5	1500
2343288602	5.5	7.5	1500
2345958602	7.5	10	1500

6" SAND FIGHTER DOL - 380V			
TYPE	KW	HP	THRUST
2366108120	3.7	5	3500
2366118120	5.5	7.5	3500
2366128120	7.5	10	3500
2366138120	11	15	3500
2366148120	15	20	3500
2366158120	18.5	25	3500
2366168120	22	30	3500
2366178125	30	40	3500
2366188125	37	50	6000
2366198125	45	60	6000

6" SAND FIGHTER S/D - 380/660V			
TYPE	KW	HP	THRUST
2367108120	3.7	5	3500
2367118120	5.5	7.5	3500
2367128120	7.5	10	3500
2367138120	11	15	3500
2367148120	15	20	3500
2367158120	18.5	25	3500
2367168120	22	30	3500
2367178125	30	40	3500
2367188125	37	50	6000
2367198125	45	60	6000

8" WATER WELL S/D - 380/660V			
TYPE	KW	HP	THRUST
2396202021	30	40	10000
2396212021	37	50	10000
2396222021	45	60	10000
2396232021	55	75	10000
2396242021	75	100	10000
2391252004	93	125	10000
2391268604	110	150	10000
2391278604	130	175	10000
2391288604	150	200	10000

SIEMENS



TYPE 1LE0 & 1LE1

AC Induction Motor

SPECIFICATION

CAST IRON SERIES			
EFFICIENCY CLASS	IE1		
SERIES	1LE0102		
NO. OF POLES	2	4	6
COOLING	Self-ventilated (IC 411)		
DEGREE OF PROTECTION	IP55		
INSULATION	Thermal class 155(F)		
UTILIZATION	Thermal class 130(B)		
FRAME SIZE	80 - 355		
RATED OUTPUT AT 50HZ	0.55 - 315 kW		
RATED TORQUE AT 50HZ	2.6 - 2412 Nm		

TECO



AESV1S & AESU1S

Induction Motor

SPECIFICATION

CAST IRON SERIES			
EFFICIENCY CLASS	IE1		
SERIES	AEEB & AEVB		
NO. OF POLES	2	4	6
COOLING	Self-ventilated (IC 411)		
DEGREE OF PROTECTION	IP55		
INSULATION	Thermal class 155(F)		
UTILIZATION	Thermal class 130(B)		
FRAME SIZE	80 - 355		
RATED OUTPUT AT 50HZ	0.55 - 315 kW		
RATED TORQUE AT 50HZ	2.6 - 2412 Nm		

LEROY SOMER



OPTIMITY

3-Phase Induction Motor

SPECIFICATION

CAST IRON SERIES			
EFFICIENCY CLASS	IE2		
SERIES	OPTA		
NO. OF POLES	2	4	6
COOLING	Self-ventilated (IC 411)		
DEGREE OF PROTECTION	IP55		
INSULATION	Thermal class 155(F)		
UTILIZATION	Thermal class 130(B)		
FRAME SIZE	80 - 355		
RATED OUTPUT AT 50HZ	0.37 - 355 kW		
RATED TORQUE AT 50HZ	2.6 - 2412 Nm		

MarelliMotori



TYPE D5C & D6C

Motor for Hazardous Area

SPECIFICATION

TECHNICAL DATA					
EFFICIENCY CLASS	IE1			RATED OUTPUT AT 50HZ	0.55 - 315 kW
SERIES	D6C			RATED TORQUE AT 50HZ	2.6 - 2412 Nm
NO. OF POLES	2	4	6	PROTECTION	Ex D
COOLING	Self-ventilated (IC 411)			GROUP	II
DEGREE OF PROTECTION	IP55			CATEGORY	2G
INSULATION	Thermal class 155(F)			FRAME SIZE WHERE APPLICABLE	71 - 132
UTILIZATION	Thermal class 130(B)			GROUP	II B
FRAME SIZE	80 - 355			TEMPERATURE CLASS MAXIMUM SURFACES TEMPERATURE	T4

MILANO



VIBRATION MOTOR

SPECIFICATION

TECHNICAL DATA	
POWER	0.66 - 7.5kw
VIBRATION	30 - 10.000kg/cm²
SPEED	2P, 4P, 6P, 8P



Root Blower Without Accessories



With Accessories

TS-SERIES

SPECIFICATION

CAPACITY / Q	0.42 m^3/min ~ 41.7 m^3/min
PRESSURE	1000 mmAq ~ 6000 mmAq
DISCHARGE	2" ~ 8"
POWER	2HP ~ 75HP





Single & Double Vortex Ring Blower

HB-SERIES

SPECIFICATION

CAPACITY / Q	0.8 m^3/min ~ 18.9 m^3/min
PRESSURE	700 mmAq ~ 4000 mmAq
POWER	0.25 hp ~ 10 hp
VOLT	220V (1 phase) / 380V (3 phase)



ML A Series



ML L Series

ML-SERIES

SPECIFICATION

CAPACITY / Q	40 ~ 100 l/min
PRESSURE	700 mmAq ~ 4000 mmAq
POWER	0.25 hp ~ 10 hp
VOLT	220V (1 phase) / 380V (3 phase)

TYPE	NORMAL PRESSURE	AIR FLOW	INPUT POWER
ML-40A	0.13 kgf/cm^2 (1.85 PSI)	51/1.80	40
ML-60A	0.15 kgf/cm^2 (2.13 PSI)	68/2.40	63
ML-80A	0.15 kgf/cm^2 (2.13 PSI)	86/3.04	85
ML-100L	0.18 kgf/cm^2 (2.56 PSI)	105/4.17	116
ML-120L	0.20 kgf/cm^2 (2.85 PSI)	121.4.67	126
ML-150L	0.20 kgf/cm^2 (2.85 PSI)	150	160



FF4-SERIES

TIVAL Control Pressure Switch
4-32 Bar.



DPC-10

Digital Pressure Controller
Working Pressure: 10 bar



DPT-1900

Digital Pressure Transmitter
Working Pressure: 10 bar

evak



SPTB PRESSURE TANK

Volume: 18l - 235l
Pressure: 10 bar

CIMM



AFE PRESSURE TANK

Diapharm Pressure
Tank 8 ~ 1000 Ltr.

RADAR



STR 101

For oil and chemical fluid, burst proof coloum carbide formed casing with stainless steel boh.



ST 70-AB

Radar water level switch. 1" or 3/4" head, fittings, completed with L-bracket for easy mounting, two floats to assure steady control.



ST 77

Mercury switch radar for control pumping out sewage thick fluid or liquid with floating matter. Float controls may be fitted up/down level limit for warming or indication signal.



ST 75-M

Float switch radar, for deep water pumping out control.



ST 75-1

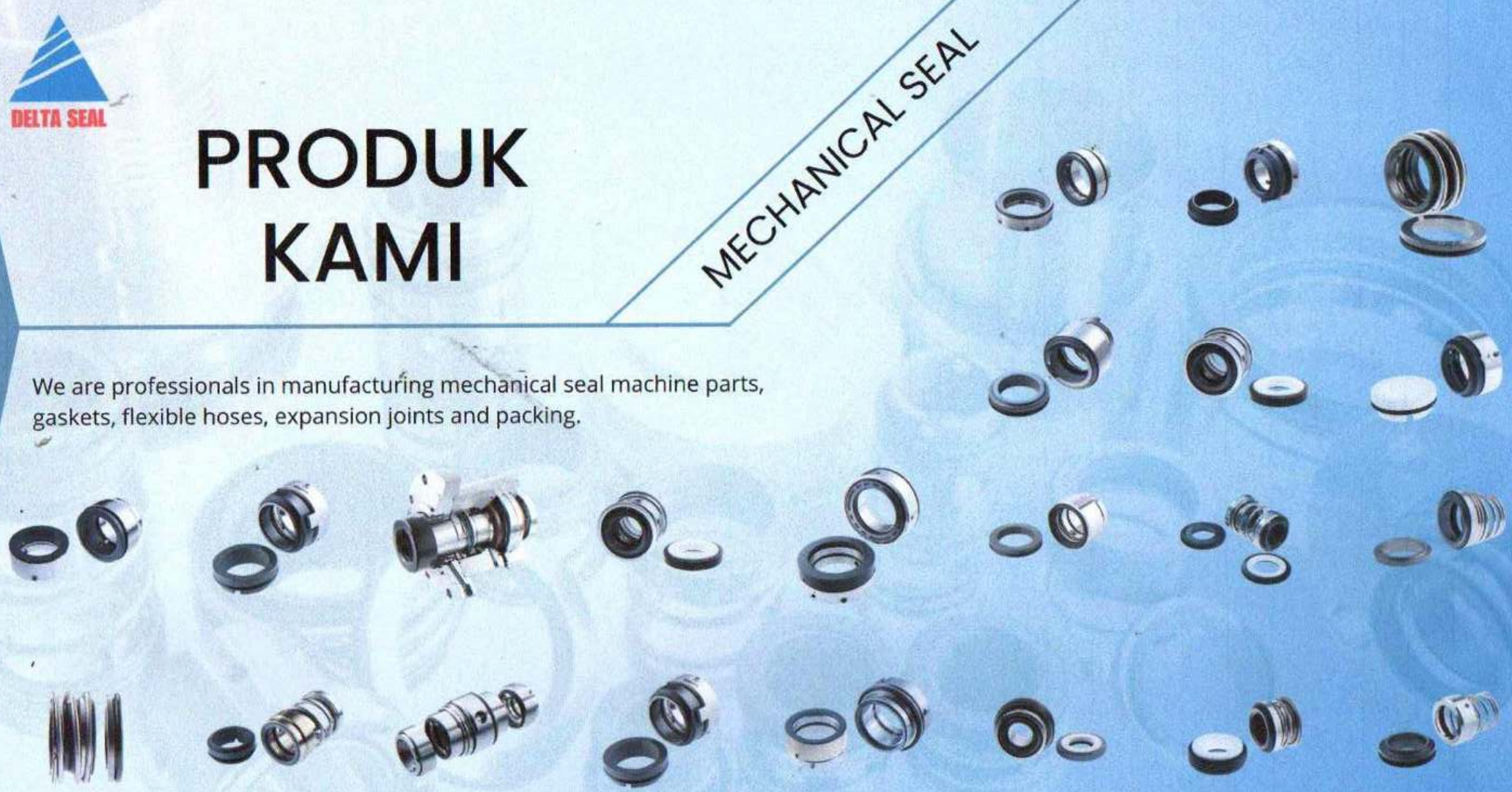
Mercury switch radar, for deep water pumping out control.

DELTA SEAL

PRODUK KAMI

MECHANICAL SEAL

We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.



DELTA SEAL

PRODUK KAMI

FLEXIBLE HOSES



We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.







DELTA SEAL

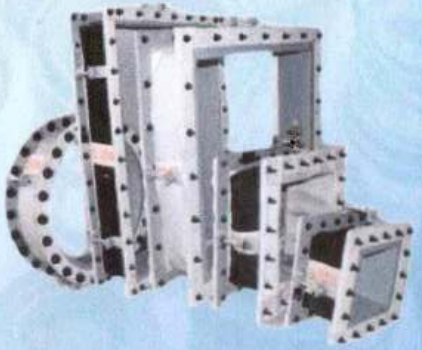
PRODUK KAMI

EXPANTION JOINT



We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.







DELTA SEAL

PRODUK KAMI

GASKET AND PACKING



GASKET GRAPHITE

We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.



GRAPHITE PACKING



GASKET GRAPHITE



ARAMID FIBER FTFE



GASKET PTFE

DELTA SEAL

PRODUK KAMI

GASKET AND PACKING

We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.



TEFLON PACKING FIBER



SPIRAL WOUND GASKET



O RING PTFE



TEFLON FTFE

DELTA SEAL

PRODUK KAMI

MACHINERY



We are professionals in manufacturing mechanical seal machine parts, gaskets, flexible hoses, expansion joints and packing.



