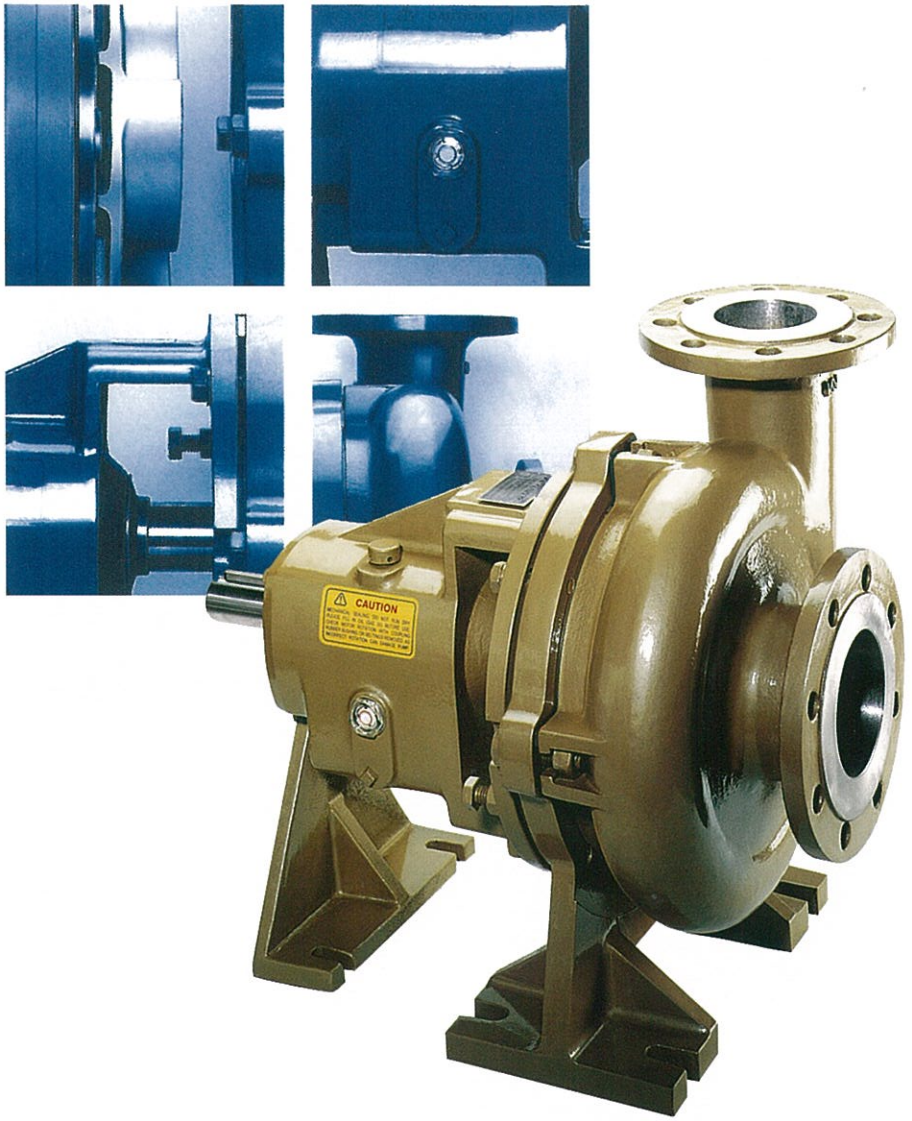
KEWPUMP®

Keeps Pumping



TÜV NORD
ISO 9001
QMS No. 04100 2002 1779

Enterprise 50
2009

THE SMEs BEST BRANDS 2007 ASIA PACIFIC

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KS-SE2

BACK PULL-OUT END SUCTION SOLID HANDLING PUMP

Concentric casing with tangential discharge nozzle design. The impeller and casing is equal at all points. This will reduce turbulence, cavitation and casing life is greatly extended especially in abrasive service.

Non-clogging semi-open vane impeller, ideal for handling liquids containing suspended matter or solids. The impeller also consists of multi back vanes to reduce the concentration of solids and also lower the pressure on the sealing chamber area. Closed impeller, fully-open impeller and torque flow impeller also available upon request.

Stuffing box cover wear plate is bolted to the frame with two bolts, easy to access, convenient and economic to replace.

Large bore conical chamber improves cooling and lubrication of seal faces for extending mechanical seal life.

Clearance adjusting screws make open impeller close running clearance adjustment easy and accurate to extend pump performance life.

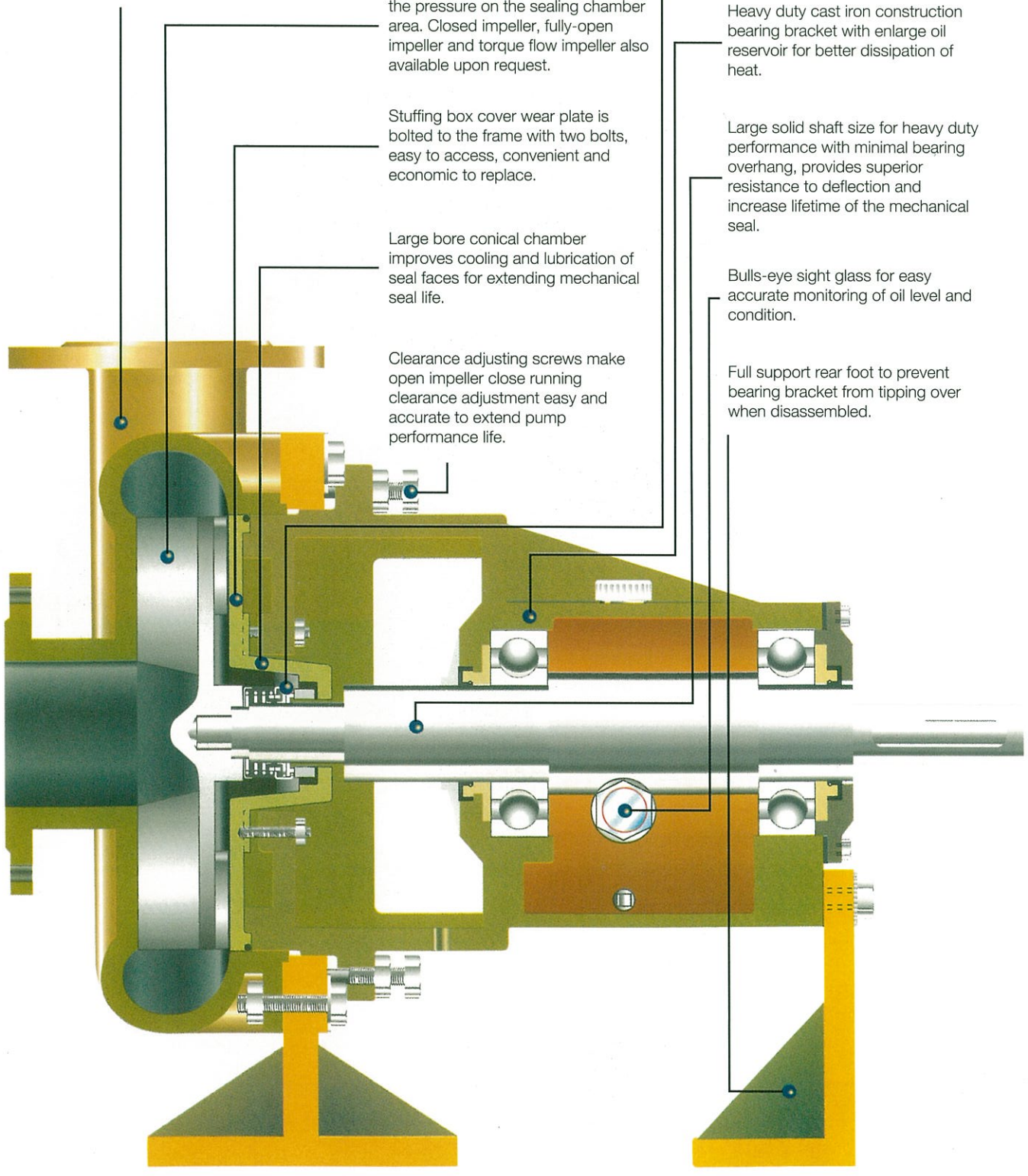
Standard single-acting mechanical seal is generally employed. 'V' seals and gland packing system fitted with shaft sleeve also available upon request.

Heavy duty cast iron construction bearing bracket with enlarge oil reservoir for better dissipation of heat.

Large solid shaft size for heavy duty performance with minimal bearing overhang, provides superior resistance to deflection and increase lifetime of the mechanical seal.

Bulls-eye sight glass for easy accurate monitoring of oil level and condition.

Full support rear foot to prevent bearing bracket from tipping over when disassembled.



Product specifications subject to change without prior notice.

MODEL DESIGNATION

SEN 50R

Model Range	
SEN:	*Back pull-out, non self priming with max. impeller size 254mm*
SEH:	*Back pull-out, non self priming with max. impeller size 320mm*
SEP:	*Back pull-out, self priming with max. impeller size 254mm*
SEM:	*Closed coupled, non self priming with max. impeller size 254mm*
SEMH:	*Closed coupled, non self priming with max. impeller size 320mm*
SEMP:	*Closed coupled, self priming with max. impeller size 254mm*

Impeller Type	
Blank:	*Semi-Open (Std.)*
C:	*Closed*
R:	*Fully-Open*
F:	*Torque Flow*

Model Size	
40:	Nominal discharge diameter 40mm
50:	Nominal discharge diameter 50mm
80:	Nominal discharge diameter 80mm
100:	Nominal discharge diameter 100mm

PART NO. NOTATIONS

XXX . X . X

Item Code *Material Code* *Type Code*

- Part No. with standard material and type are shown in the parts list.

Example Part No. : 120.1.S (Item = Impeller Material = SS304 Type = Semi-Open)

Item Code

- For parts which have no variation in material and type, Part No. contains of Item Code only.

Example Part No. : 440 (Item = Deflector)

Material Code

For Item Codes 100, 120, 130, 132, 133, 210, 211, 212, 213, 217, 401 and 402 only :

1 = SS304	4 = Ni-Hard	7 = Galvanise Steel	10 = CA15
2 = SS316	5 = Cast Iron	8 = Mild Steel	
3 = CA40	6 = Ductile Iron	9 = CD4MCu	

For Item Codes 200 only :

A = CA/CE/VT	G = SC/CA/VT
B = CE/CE/VT	H = SC/SC/NBR
C = CA/SC/VT	I = TC/TC/EPDM
D = SC/SC/VT	J = CA/STEEL/VT
E = TC/TC/VT	N = STELLITE/CA/VT
F = TC/SC/VT	O = CE/CA/VT

LEGEND

CA = Carbon		VT = Viton
CE = Ceramic		NBR = Nitrile
SC = Silicon Carbide		EPDM = EPDM
TC = Tungsten Carbide		
STEEL = Steel		
STELLITE = Stellite		

- Available materials for the above items are depended on the product specifications.
- For parts which have no variation in type, Part No. contains of Item Code and Material Code only.

Example Part No. : 213.5 (Item = Gland Material = Cast Iron)

Type Code

For Item Codes 120 only :

C = Closed S= Semi-Open R = Fully-Open F = Torque Flow

For Item Code 210 and 212 only :

F = for models SEM, SEMH and SEMP with torque flow impeller
Blank = for models SEM, SEMH and SEMP with other types of impeller; and other models with all types of impeller

- Available types for the above items are depended on the product specifications.

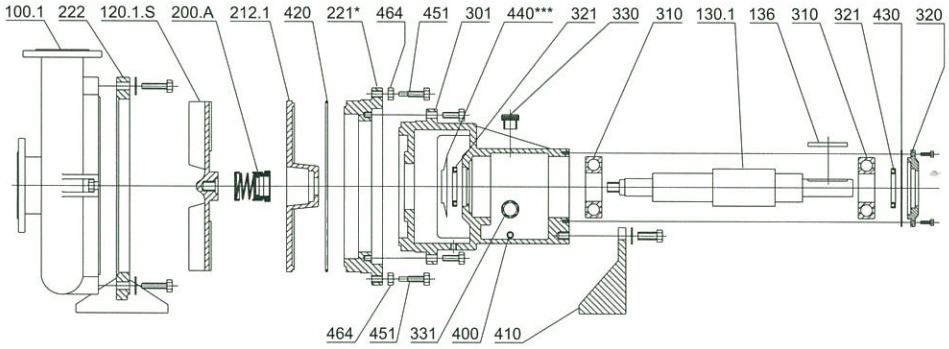
Example Part No. : 120.2.C (Item = Impeller Material = SS316 Type = Closed)

Kewpump (M) Sdn. Bhd. reserves the right to change the materials and types to keep pace with technological progress.

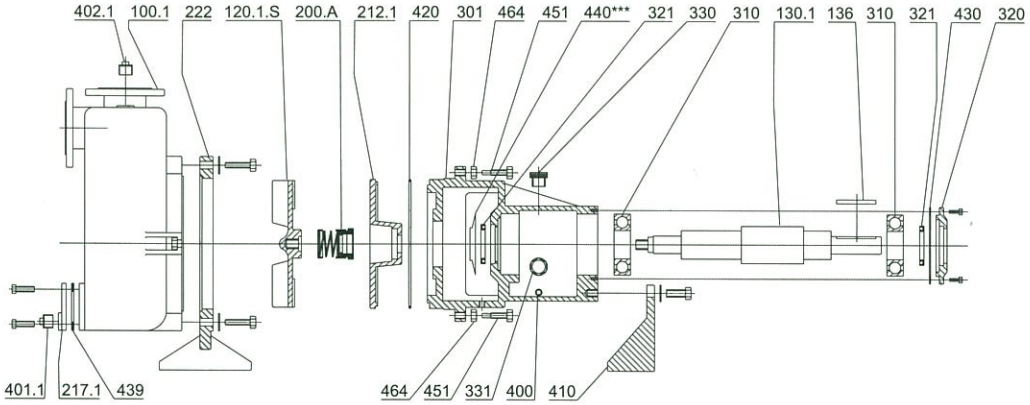
Product specifications subject to change without prior notice.

KEWPUMP® KS-SE2 PARTS LIST

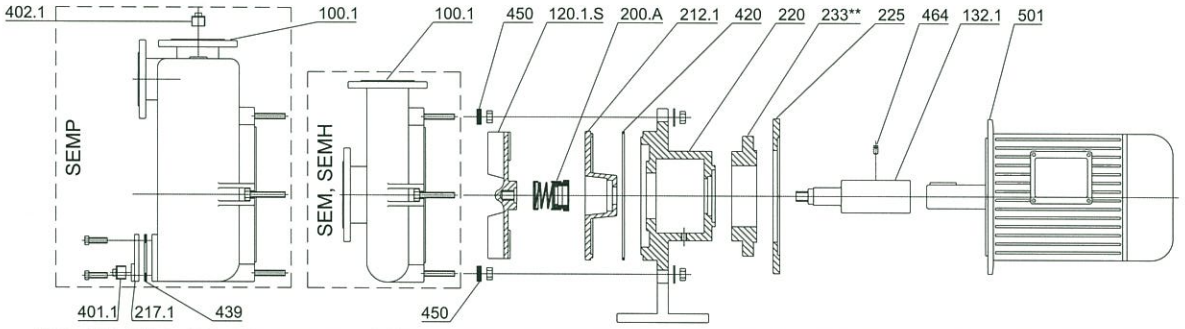
Models SEN, SEH (Mechanical Sealing)



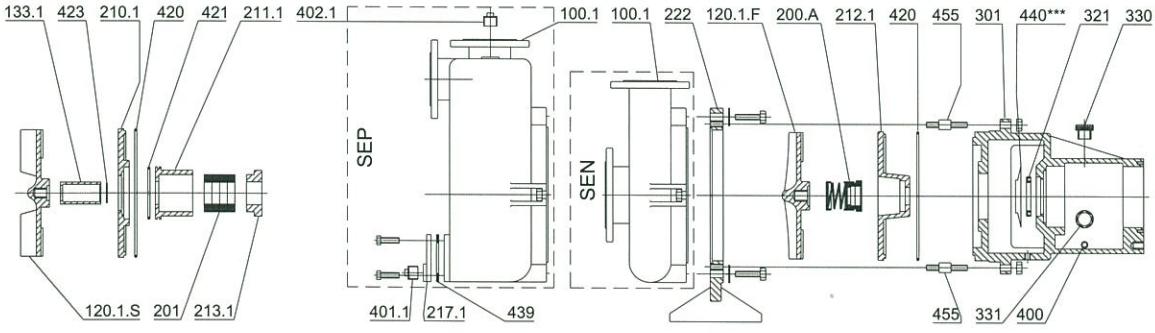
Models SEP (Mechanical Sealing)



Models SEM, SEMH, SEMP (Mechanical Sealing)



Models SEN, SEH, SEP, (Different Arrangement)



Gland Packing

Torque Flow Impeller with Mechanical Sealing

Part No.	Description	Standard Material
100.1	Casing	Stainless Steel 304
120.1.F	Torque Flow Impeller	Stainless Steel 304
120.1.S	Semi-Open Impeller	Stainless Steel 304
130.1	Shaft	Stainless Steel 304
132.1	Motor Extension Shaft	Stainless Steel 304
133.1	Shaft Sleeve	Stainless Steel 304
136	Shaft End Key	Stainless Steel 304
200.A	Mechanical Seal	Carbon vs. Ceramic
201	Packing	Cotton
210.1	Casing Cover	Stainless Steel 304
211.1	Sealing Chamber	Stainless Steel 304
212.1	Stuffing Box Cover	Stainless Steel 304
213.1	Gland	Stainless Steel 304
217.1	Casing Drain Cover	Stainless Steel 304
220	Frame Adaptor	Cast Iron
221*	Adaptor Extension Ring	Cast Iron
222	Support Stand	Ductile Iron
225	Motor Adaptor Extension Ring	Cast Iron
233**	Motor Frame Adaptor	Cast Iron
301	Bearing Bracket	Cast Iron
310	Bearing	Steel
320	Bearing Cover	Cast Iron

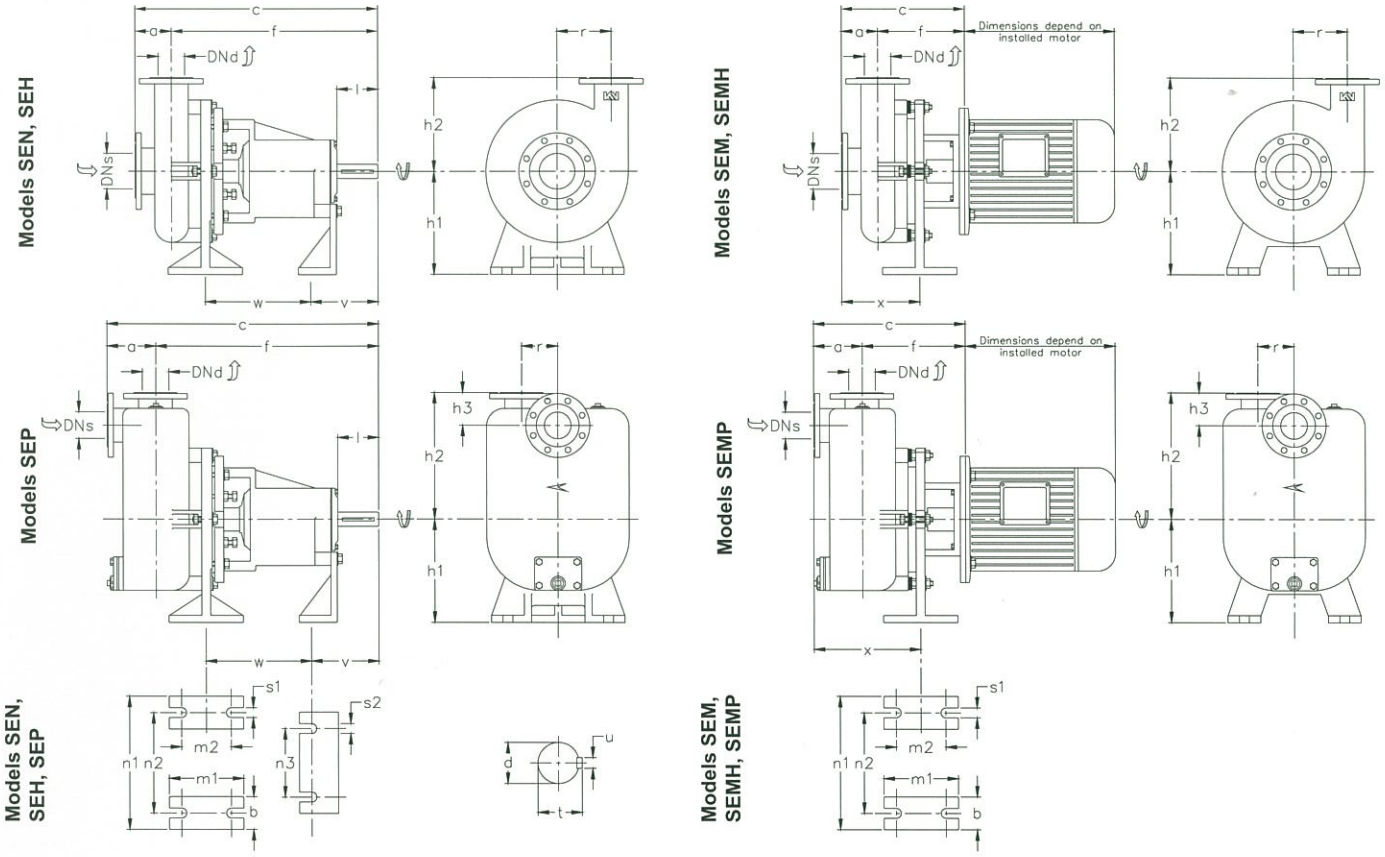
Part No.	Description	Standard Material
321	Oil Seal	Synthetic Rubber
330	Oil Cover	Aluminium Alloy
331	Oil Gauge	Plastic Threaded
400	Bearing Bracket Drain Plug	Galvanise Steel
401.1	Casing Drain Plug	Stainless Steel 304
402.1	Venting Plug	Stainless Steel 304
410	Support Foot	Cast Iron
420	Stuffing Box Cover "O" Ring / Casing Cover "O" Ring	Synthetic Rubber
421	Sealing Chamber "O" Ring	Synthetic Rubber
423	Shaft Sleeve "O" Ring	Synthetic Rubber
430	Bearing Cover Gasket	Oil Proof Paper
439	Casing Drain Cover Gasket	Synthetic Rubber
440***	Deflector	Synthetic Rubber
450	Shim Washer	Stainless Steel 304
451	Clearance Adjusting Screw	Steel
455	Casing Stud	Steel
464	Jam Nut	Steel
501	Flange-Mounted Motor	-

* Only available in models SEH

** Only available in models SEM, SEMH, SEMP with motor horsepower 15HP and 20HP

*** Only available in models SEN, SEP with mechanical sealing and gland packing, and models SEH with mechanical sealing

Product specifications subject to change without prior notice.



Models SEN, SEH , SEP

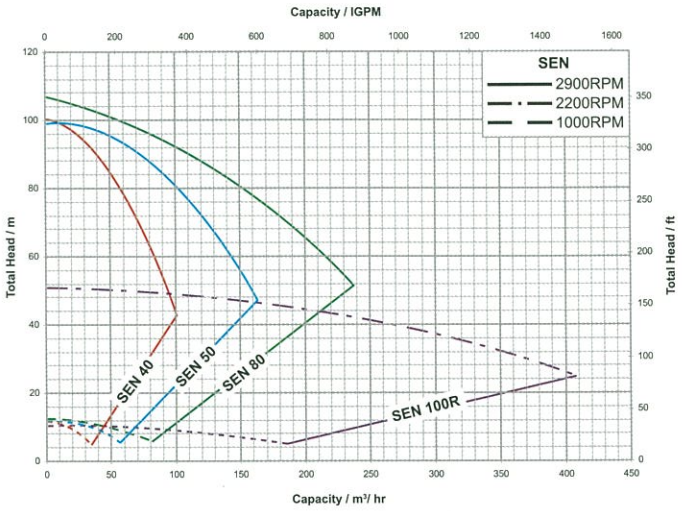
PUMP MODEL		Flanges		Pump Dimensions							Foot Dimensions										Shaft End			
		DNd	DNs	a	f	c	h1	h2	h3	r	b	m1	m2	n1	n2	n3	s1	s2	v	w	d	l	t	u
SEN	SEN 40	40	65	85	430	515	250	203		135	90	180	150	310	245	185	18	14	140	230	38	80	41	10
	SEN 50	50	80	115	430	545		215		123														
	SEN 80	80	100	115	440	555		242		130														
	SEN 100	100	125	125	445	570		262		148														
SEH	SEH 40	40	65	90	430	520	250	254		165	90	180	150	400	310	185	18	14	140	230	38	80	41	10
	SEH 50	50	80	120	435	555		256		163														
	SEH 80	80	100	115	440	555		260		161														
SEP	SEP 40	40	40	90	455	545	250	253	75	110	90	180	150	310	245	185	18	14	140	230	38	80	41	10
	SEP 50	50	50	105	465	570		272	85	95														
	SEP 80	80	80	130	480	610		308	100	75														

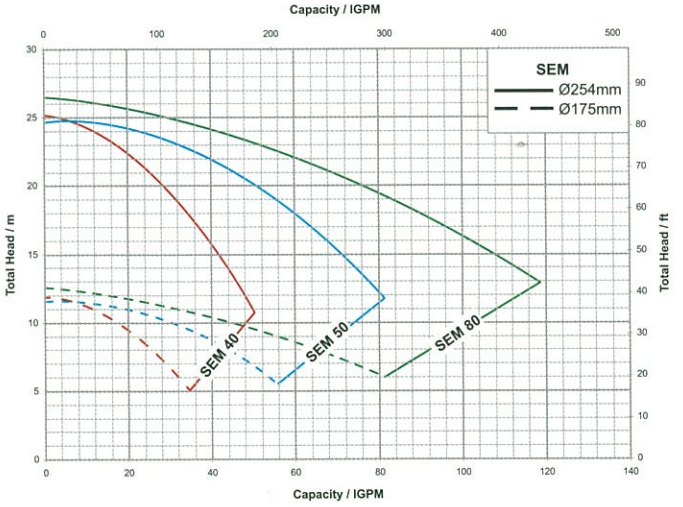
Models SEM, SEMH, SEMP

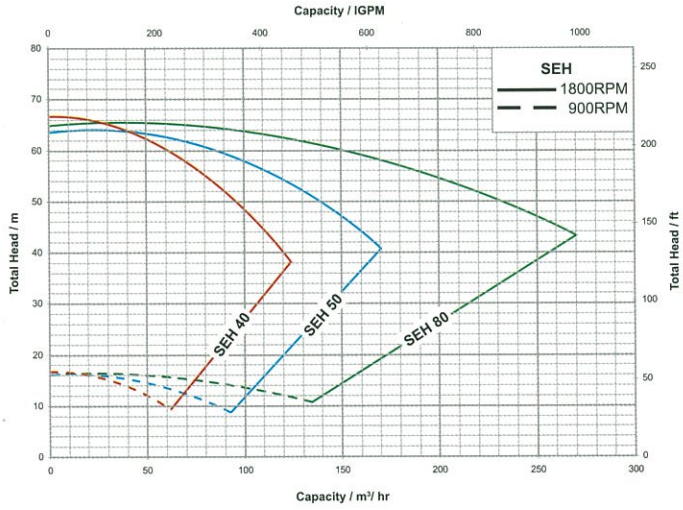
PUMP MODEL		Flanges		Pump Dimensions							Foot Dimensions						
		DNd	DNs	a	f	c	h1	h2	h3	r	b	m1	m2	n1	n2	s1	x
SEM	SEM 40	40	65	85	190	275	250	203		135	90	180	150	310	245	18	155
	SEM 50	50	80	115	190	305		215		123							185
	SEM 80	80	100	115	200	315		242		130							195
SEMH	SEMH 40	40	65	90	190	280	250	254		165	90	180	150	310	245	18	160
	SEMH 50	50	80	120	195	315		256		163							195
	SEMH 80	80	100	115	200	315		260		161							195
SEMP	SEMP 40	40	40	90	215	305	250	253	75	110	90	180	150	310	245	18	185
	SEMP 50	50	50	105	225	330		272	85	95							210
	SEMP 80	80	80	130	240	370		308	100	75							250

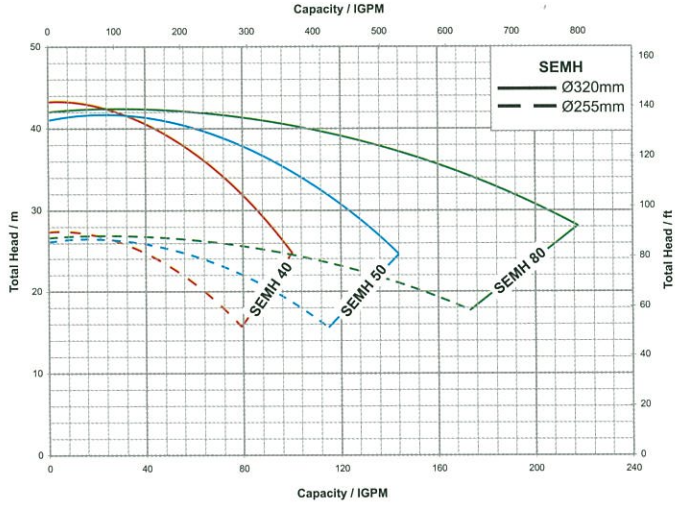
Dimensions are based on semi-open / fully-open impeller
For closed impeller, dimensions **f**, **c**, **w** and **x** plus (+) another 6mm
For torque flow impeller, dimensions **f**, **c**, **w** and **x** plus (+) another 25mm
For models SEM, SEMH and SEMP with motor horsepower 15HP or 20HP, dimensions **f** and **c** plus (+) another 40mm
Flange dimensions according to ISO2084-PN16 (BS4504-1969 Table 16/11. DIN2501/PN16)

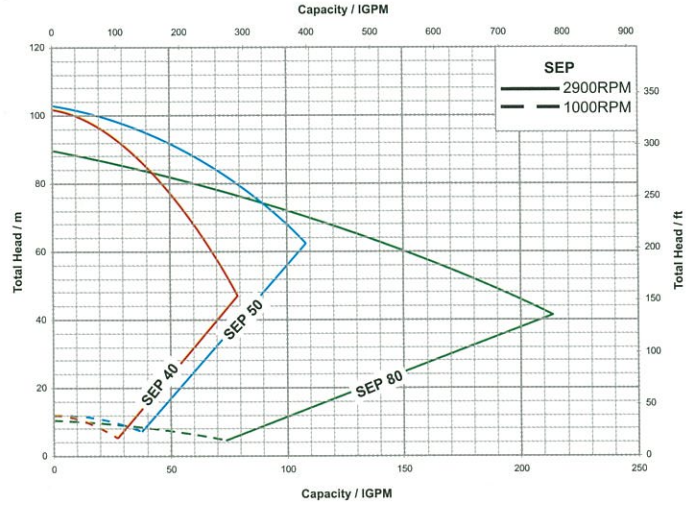
Product specifications subject to change without prior notice.

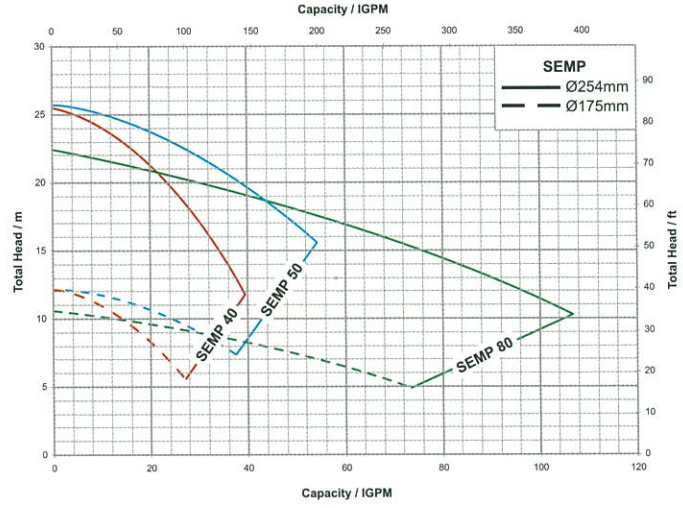












All curves based on semi-open impeller, except SEN 100R (fully-open impeller).
For SEN, SEH and SEP, curves based on full size impeller for each model.
For SEM, SEMH and SEMP, curves based on pump speed 1450rpm for each model.
Curves for reference only. For final selection refer to individual pump curve.

Product specifications subject to change without prior notice.