

SELF PRIMING PUMPS TYPE : 'A'

APPLICATION

- Transfer of liquid containing air or gas
- LPG, Liquid propane, mineral oil transfer and other industrial applications
- Bilge, Ballast, Fuel oil transfer, Fire fighting and other Marine applications
- Domestic water supply

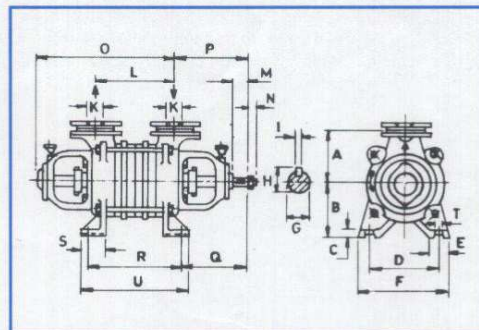
TECHNICAL DATA

Capacity	: Maximum 900 lpm
Head	: Maximum 68 m.
Speed	: 1450 rpm normal 1800 rpm maximum
Temperature	: Max. 60°C for Standard Pump Max. 100°C for Hot Pump 'H'
Suction lift	: Max. 8m. for Standard Pump
Shaft sealing	: Stuffing Box or Mechanical seal
Connections	: BSP threads in Counter flanges
Rotation	: Clockwise looking from drive end Anticlockwise in 'RR' Pump

MATERIAL

Suction cover	}	Close grained Cast iron
Delivery cover		
Intermediate parts		
Impeller	:	H. T. Brass
Shaft	:	Stainless Steel

Special materials available on demand.



FEATURES

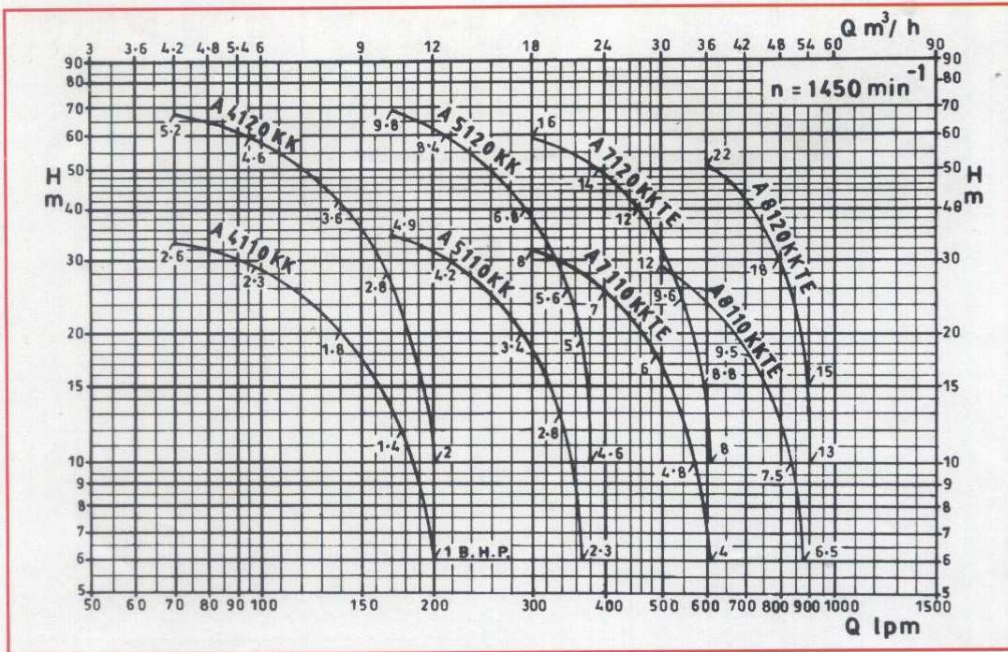
- Horizontal, side channel, self priming, designed for continuous operation handling clean or turbid liquids without abrasive matter.
- Provided with two nos. grease lubricated deep groove ball bearings (designated by 'KK').
- A 4100 and A 5100 pumps are also available with one no. each of ball bearing and mechanical seal on suction end and one no. bush bearing, flushed by the liquid handled, on delivery end (designated by 'KMS').

PUMP TYPE	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	Q	R	S	T	U	WT. IN KG.
A 4110 KK	132	132	20	160	47	218	19	21.5	6	1 1/2"	156	36	14	325	191	189	160	55	13	196	37
A 4120 KK	"	"	"	"	"	"	"	"	"	"	211	"	"	380	"	"	215	"	"	251	43
A 5110 KK	140	150	"	"	"	"	22	24.5	"	2"	171	40	-	354	209	202	185	"	"	221	46
A 5120 KK	"	"	"	"	"	"	"	"	"	"	246	"	-	429	"	"	260	"	"	296	55
A 7110 KKTE	150	150	"	200	50	250	26	29	8	2 1/2"	191	55	-	397	241	227	220	65	15	276	62
A 7120 KKTE	"	"	"	"	"	"	"	"	"	"	281	"	-	487	"	"	310	"	"	366	74
A 8110 KKTE	175	170	"	"	"	"	32	35	"	3"	257	70	-	457	256	267	235	"	"	291	92
A 8120 KKTE	"	"	"	"	"	"	"	"	"	"	367	"	-	567	"	"	345	"	"	401	112

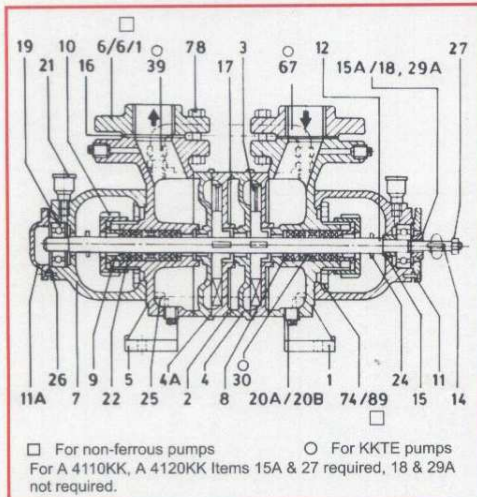
All dimensions are in millimeters unless otherwise stated

Casting dimensions are approximate

B.E.PUMPS



- Tolerance on capacity $\pm 10\%$ at rated head and rated rpm.
- Capacity applies to liquid at barometric height of 760 mm mercury, temperature of 30°C and Kinematic viscosity of $1 \text{ mm}^2/\text{s}$.
- Bhp values are applicable for water with sp. gr. 1.0.
- For std. pump with suction lift of more than 4 m. Capacity details available on request.
- For hot pump 'H' capacity table available on request.



□ For non-ferrous pumps ○ For KKTE pumps
 For A 4110KK, A 4120KK Items 15A & 27 required, 18 & 29A not required.

LIST OF PARTS

- | | | | |
|------|----------------------|------|------------------|
| 1 | Suction Cover | *17 | Paper Gasket |
| 2 | Intermediate Part II | 18 | Bearing Lock Nut |
| *3 | Impeller | *19 | Ball Bearing |
| 4 | Intermediate Part I | 20A | Plug |
| 4A | Intermediate Part IU | 20B | Plug |
| 5 | Delivery Cover | 21 | Grease Cup |
| 6 | Counter Flange | *22 | Packing |
| 6/1 | Counter Flange | 24 | Water Slinger |
| 7 | Bracket | 25 | Tie Bolt & Nut |
| 8 | Ground Ring | 26 | C'SK Screw |
| 9 | Gland | *27 | Nut, Shaft End |
| 10 | Gland Nut | *29A | Tab Washer |
| 11 | Bearing Cover | 30 | Lantern Ring |
| 11A | Bearing Cover | 39 | Armeto Fitting |
| *12 | Shaft | 67 | Copper Tube |
| *14 | Key | 74 | Hex. Hd. Screw |
| *15 | Collar Ring (Inner) | 78 | Bolt & Nut |
| *15A | Collar Ring (Outer) | 89 | Stud & Nut |
| 16 | Flange Gasket | | |

* Spares Recommended

- Manufacturer reserves the right to change specification and data for improvement in design.

B.E.[®]

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