

■ Product Features

Type AH(R),HH,M(R) pumps are cantilevered, horizontal, centrifugal slurry pumps. They are designed for handling abrasive or corrosive slurry in the metallurgical, mining, coal, power, building material and other industrial departments etc.

AH(R),HH are also called heavy duty slurry pumps, are used to transport the strong abrasive high density or low density high head slurry. Under the allowable pressure, the pumps of this type also can be installed in multis series.

HH type pump is mainly used for transport low density high head or high density low abrasive high head slurry.

M(R)is a kind of middle duty slurry pump, used to transport the fine particle size and middle density slurry.

The liner and impeller of AH and M model can be changeable and material can be either anti-abrasive metal or rubber.

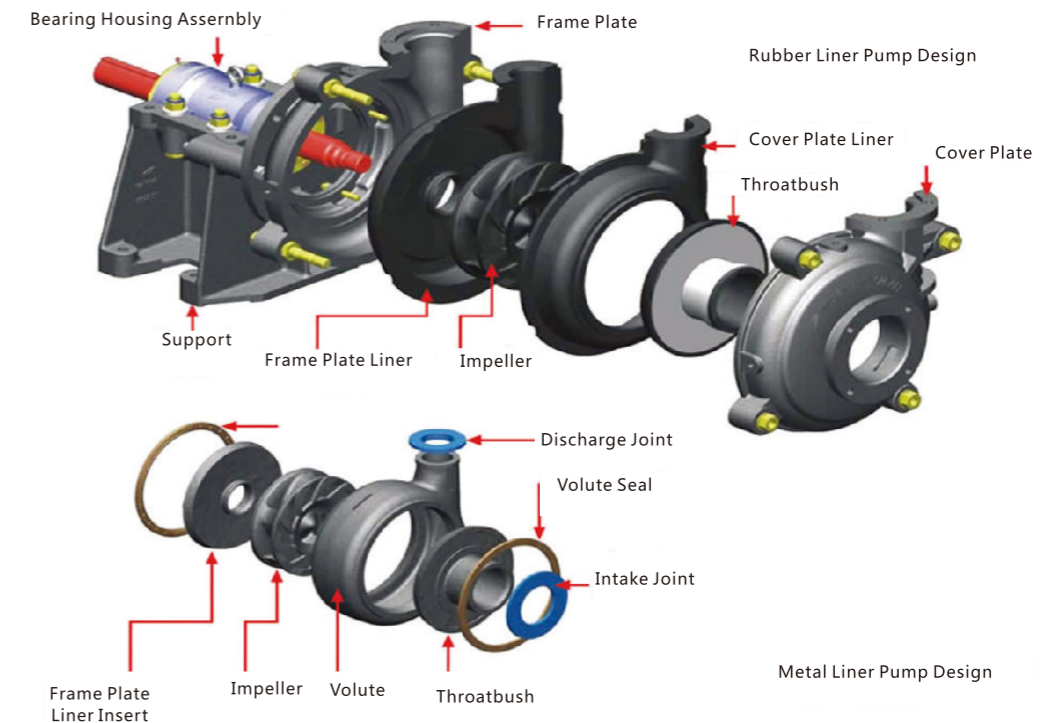
But material of liner and impeller of HH model only can be metal version. Rubber material wet parts are mainly used for transport the slurry which contains fine, non-sharp particle size.

The shaft seals for type AH(R),M(R),and HH pumps can be adoptable of gland seal, expeller seal and mechanical seal.

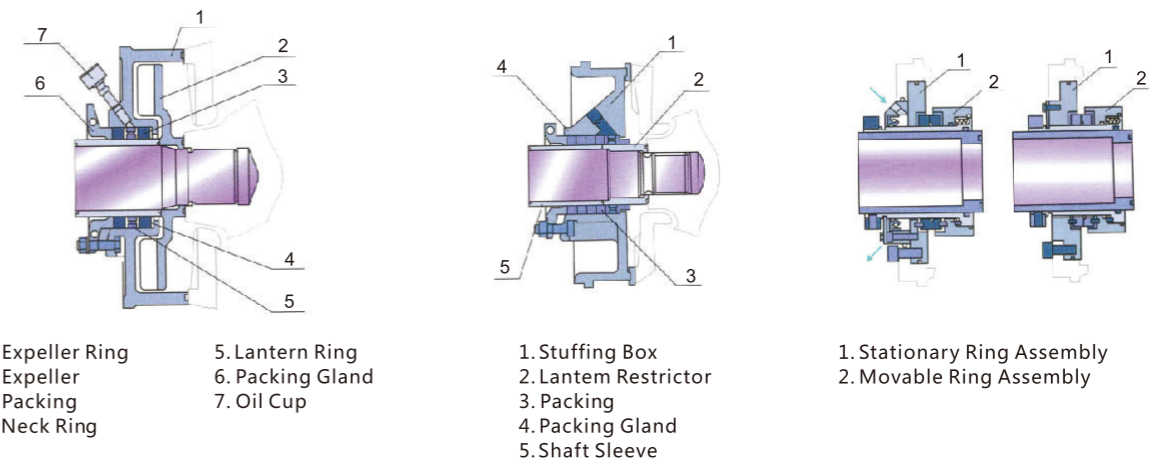
The discharge can be positioned at intervals of 45 degrees by request and oriented to any eight positions to suit installations and applications.



■ Construction Design



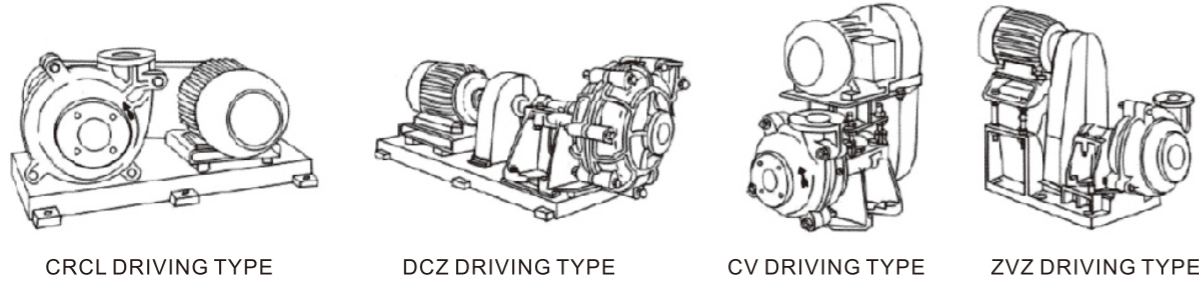
■ Shaft Seal Module Design



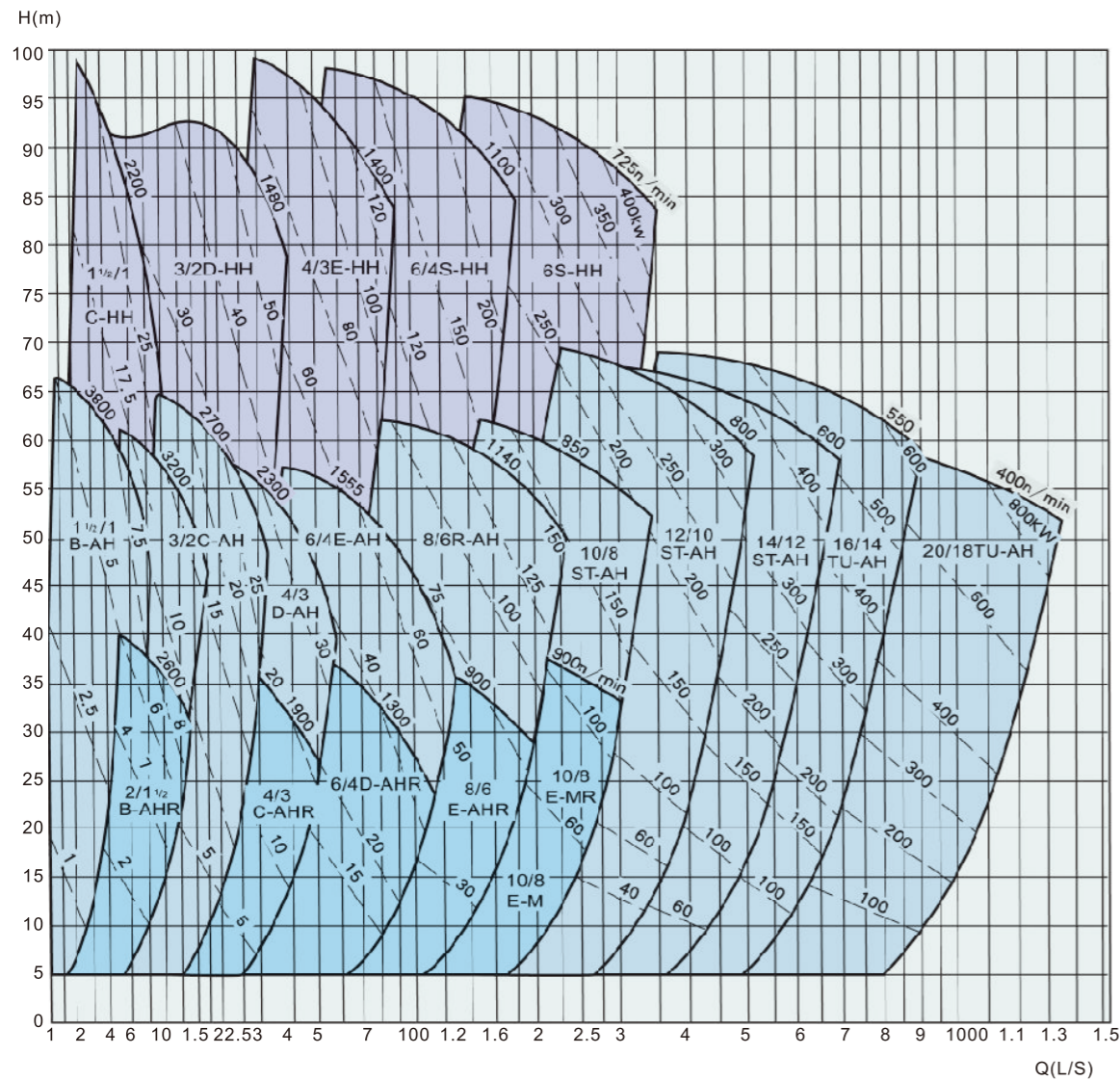
■ Support Type Description

Support Type	A	B	C	D	E	R	F	G	S	T
Allowable Max Power (kw)	7.5	15	30	60	120	300	260	600	560	1200
Support Weight(kg)	17	24	45	77.5	154	228	555	1006	546	1156
Shaft seal water volume (l/s)	0.15	0.25	0.35	0.55	0.70	0.70	0.70	1.20	1.20	1.60

■ Transmission Type



■ AH HH M Selection & Performance Chart



Note: Approximate performance in clear water, just for primary selection only.

■ AH(R)/HH/M(R) Slurry Pump Performance Chart

Pump model	Allowable Max. Power (kw)	清水性能 Clear water performance						
		Capacity Q		Head H (m)	Speed n (r/min)	Max.EFF. (%)	NPSH (m)	Impeller Dia(mm)
		m ³ /h	L/S					
1.5/1B-AH	15	12.6-28.8	3.5-8	6-68	1200-3800	40	2-4	152
2/1.5B-AH	15	32.4-72	9-20	6-58	1200-3200	45	3.5-8	184
3/2C-AH	30	39.6-86.4	11-24	12-64	1300-2700	55	4-6	214
4/3C-AH	30	86.4-198	24-55	9-52	1000-2200	71	4-6	245
4-3D-AH	60	86.4-198	24-55	9-52	1000-2200	71	4-6	245
6/4D-AH	60	162-360	45-100	12-56	800-1550	65	5-8	365
6/4E-AH	120	162-360	45-100	12-56	800-1550	65	5-8	365
8/6E-AH	120	360-828	100-230	10-61	500-1140	72	2-9	510
8/6R-AH	300	360-828	100-230	10-61	500-1140	72	2-9	510
10/8ST-AH	560	612-1368	170-380	11-61	400-850	71	4-10	686
12/10ST-AH	560	936-1980	260-550	7-68	300-800	82	6	762
14/12ST-AH	560	1260-2772	350-770	13-63	300-600	77	3-10	965
16/14TU-AH	1200	1368-3060	380-850	11-63	250-550	79	4-10	1067
20/18TU-AH	1200	2520-5400	700-1500	13-57	200-400	85	5-10	1370
1.5/1B-AH	15	10.8-25.2	3-7	7-52	1400-3400	35	2-4	152
2/1.5B-AH	15	25.2-54	7-15	5.5-41	1000-2600	50	2.5-5	178
3/2C-AH	30	36-75.6	10-21	13-39	1300-2100	55	2-4	213
4/3C-AH	30	79.2-180	22-50	5-34.5	800-1800	59	3-5	245
4-3D-AH	60	79.2-180	22-50	5-34.5	800-1800	59	3-5	245
6/4D-AH	60	144-324	40-90	12-45	800-1350	65	3-5	365
6/4E-AH	120	144-324	40-90	12-45	800-1350	65	3-5	365
8/6E-AH	120	324-720	90-200	7-49	400-1000	65	5-10	510
8/6R-AH	300	324-720	90-200	7-49	400-1000	65	5-10	510
10/8ST-AH	560	540-1188	150-330	12-50	400-750	75	4-12	686
12/10ST-AH	560	720-1620	200-450	7-45	300-650	80	2.5-7.5	762
14/12ST-AH	560	1152-2520	320-700	13-44	300-500	79	3-8	965
16/14TU-AH	1200	1224-2754	340-765	9-43	250-450	82	3-8	1067
20/18TU-AH	1200	2268-4860	630-1350	11-46	200-350	82	2-8	1372
10/8E-M	120	540-1440	150-400	14-60	600-1000	73	4-10	549
10/8R-M	300	540-1440	150-400	14-60	600-1000	73	4-10	549
1.5/1C-HH	30	16.2-34.2	4.5-9.5	25-92	1400-2200	20	2-5.5	330
3/2D-HH	60	68.4-136.8	19-38	25-87	850-1400	47	3-7.5	457
4/3E-HH	120	126-252	35-70	12-97	600-1400	50	2-5	508
6/4F-HH	260	324-720	90-200	30-118	600-1000	64	3-8	711
8/6S-HH	560	468-1008	130-280	20-94	500-1000	65	4-12	711

Remark:

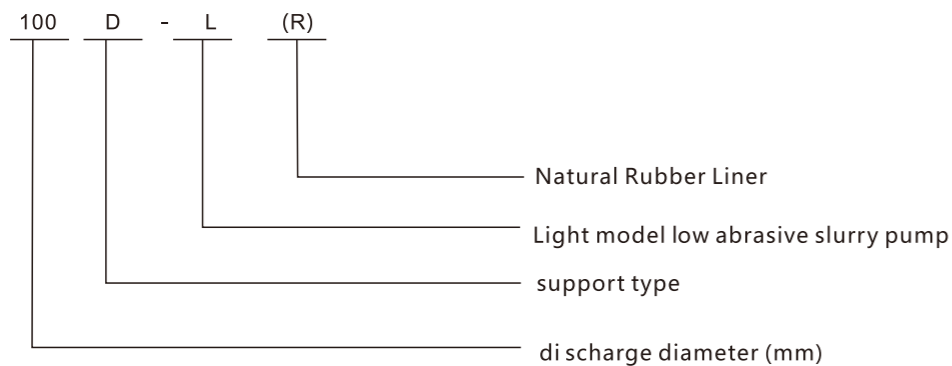
1. Capacity range recommended: $50\%Q \leq Q \leq 110\%Q$ (Q Appropriate to capacity at highest efficiency point).
2. NPSH: appropriate to point Q recommended at highest speed.

■ L Slurry Pump

Type L(R) pumps are cantilevered, horizontal, centrifugal slurry pumps, which are also called light duty slurry pump. They are suitable for delivering low abrasive low density slurry for metallurgical, mining, coal and building material departments. The shaft seal can adopt gland seal, expeller seal or mechanical seal. Type L(R) pumps operate in high speed with small volumes and light weight to save floor area. It is mainly used to transport the slurry which contains fine particle size and weight concentration not more than 30%. The liner and impeller of this pump can be changeable, either with anti-abrasive metal or rubber material.



■ Type Notation



■ L(R) Slurry Pump Performance Chart

Pump model	Allowable Max.Power (kw)	Clear water performance						
		Capacity Q		Head H (m)	Speed n (r/min)	Max.EFF. (%)	NPSH (m)	Impeller Dia(mm)
		m ³ /h	L/S					
20A-L	7.5	2.34-10.8	0.65-3	6-37	1400-3000	40	2.5-3	152.4
50B-L	15	11.5-76	3.2-21.1	8.5-46	1400-2800	62	2.5-5.5	190
75C-L	30	18-151	5-42	4-46.4	900-2400	57	3-6	229
100D-L	60	46.8-324	13-90	7-48.3	800-1800	64	2-6	305
150E-L	120	115-568.8	32-158	10.5-51.8	800-1500	60	2.5-6	381
200E-L	120	234-910	65-235	9.5-40	600-1100	64	3-6	457
250E-L	120	396-1425	110-396	8-30	500-800	77	2-10	550
300S-L	560	468-2538	130-708	8-60	400-950	79	2-10	653
350S-L	560	650-2800	180-780	10-59	400-840	81	3-10	736
400ST-L	560	756-3312	210-920	7-37.5	300-600	85	2-8	825
450ST-L	560	1080-4356	300-1200	9-40	300-550	87	3-10	933
550TU-L	1200	1980-7920	560-2200	10-50	250-475	86	4-10	1213
650TU-L	1200	2520-9108	700-2530	10-55	200-350	86	2-8	1425
50B-L(R)	15	9-61	2.5-17	3-32.4	1200-2600	48	2.75-4.5	190
75C-L(R)	30	28.8-154.8	8-43	9-43	1100-2300	60	3-5	229
100D-L(R)	60	54-288	15-80	12-38	800-1600	65	2.5-5.5	305
150E(R)	120	72-576	20-160	4-38	800-1300	65	2.5-5.5	381
250E(R)	120	396-1425	110-396	8-30	500-800	77	2-10	550
300S(R)	560	432-1900	120-528	7-41	400-800	81	3-8	653
350S(R)	560	720-2844	200-528	10-41	400-700	86	3-7	736
400ST(R)	560	720-3312	200-920	7-51	300-700	80	2-10	835
450ST(R)	560	1008-4356	280-1210	9-48	300-600	80	2-9	933
550TU(R)	1200	1980-7920	560-2200	10-50	250-475	86	4-10	1213
650TU(R)	1200	2520-9108	700-2530	10-39	200-350	86	2-8	1425

Remark:

1. Capacity range recommended: $50\%Q \leq Q \leq 110Q^3$ (Q Appropriate to capacity at highest efficiency point).
2. NPSH: appropriate to point Q recommended at highest speed.