

Introduction:

Series CAH slurry pump is mainly used for handling strong abrasive, high density slurries in the metallurgy, mining, coal washery, power plant, building materials and other industries etc.

Structure:

This series of slurry pumps have replaceable wear-resistant metal liners. Its wet parts are with throatbush, impeller, volute liner and frame plate liner insert, which are all made of high Chrome alloy.

Cylindrical structure is used for its bearing assembly, which is easy for adjusting the space between impeller and front liner easily, being removed completely when being repaired. Grease lubricant is applied for bearing lubrication.

It has packing seal, expeller seal and mechanical seal usually. The discharge side can be positioned at intervals of 45 degrees by request and oriented to any eight positions to suit installations and applications.

Here are the drive types, such as V belt drive, gear reducer drive, fluid coupling drive, and frequency conversion drive devices. The pumps may be installed in multistage series to meet the delivery of long distance.

Application:

CAH pumps mainly applies in handling with the fine ore and tailings in metal mining, coal washery, power plant, chemistry and other industries.

Model Explanation:

14/12ST-CAH

14: Suction size (inch)

12: Discharge size (inch)

ST: Frame type with maximum power

C: CSPG

AH: High duty

Performance table:

Pump Model	Series CAH							Impeller Dia. (mm)
	Allowable Max.Power	Clear Water Performance						
		Capacity Q		Head H(m)	Speed n(r/min)	Max.Eff. $\eta\%$	NPSH (m)	
		m ³ /h	l/s					
1.5/1B-CAH	15	12.6-28.8	3.5-8	6-68	1200-3800	40	2-4	152
2/1.5B-CAH	15	32.4-72	9-20	6-58	1200-3200	45	3.5-8	184
3/2C-CAH	30	39.6-86.4	11-24	12-64	1300-2700	55	4-6	214
4/3C-CAH	30	86.4-198	24-55	9-52	1000-2200	71	4-6	245
4/3D-CAH	60							
6/4D-CAH	60	162-360	45-100	12-56	800-1550	65	5-8	365
6/4E-CAH	120							
8/6E-CAH	120	360-828	100-230	10-61	500-1140	72	2-9	510
8/6R-CAH	300							
10/8ST -CAH	560	612-1368	170-380	11-61	400-850	71	4-10	686
12/10ST-CAH	560	936-1980	260-550	7-68	300-800	82	6	762
14/12ST- CAH	560	1260-2772	350-770	13-63	300-600	77	3-10	965
16/14TU- CAH	1200	1368-3060	380-850	11-63	250-550	79	4-10	1067