



TECHNICAL CATALOGUE



AD-AH SERIES

HEAVY DUTY SLURRY PUMP

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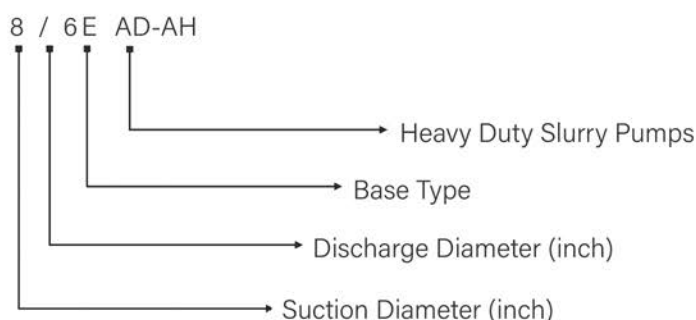
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AD-AH | Heavy Duty Slurry Pump

Pump type AD-AH is the standard heavy duty slurry pump which designed for the continuous pumping of highly abrasive, high density slurries with minimal maintenance requirements. It maintains high efficiencies over the wear life of its components. This type of pump typically used in heavy minerals processing, mineral recovery process plant transfers, wet waste processes, recycling-washing plant, sand plant duties and chemical process plant.



AD-AH | Pump Designation



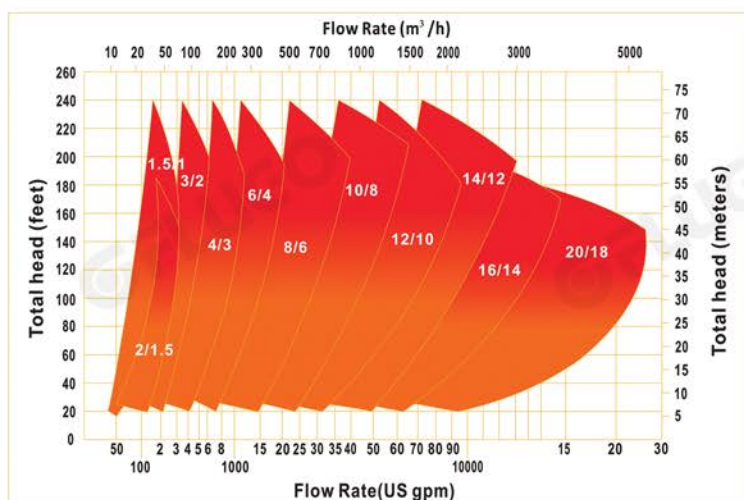
AD-AH | Pump Quick Selection Chart

Pump Range

Discharge Size : 1" to 18"

Capacity : 4 to 5400 m³/h

Head : 5 to 75 m



Typical Application

- Mill Discharge
- Coarse Sand
- Tailings
- Mineral Concentration
- Heavy Media
- Coal Washing
- FGD
- Chemical Process ing
- Bottom/Fly Ash
- Metal Smelting





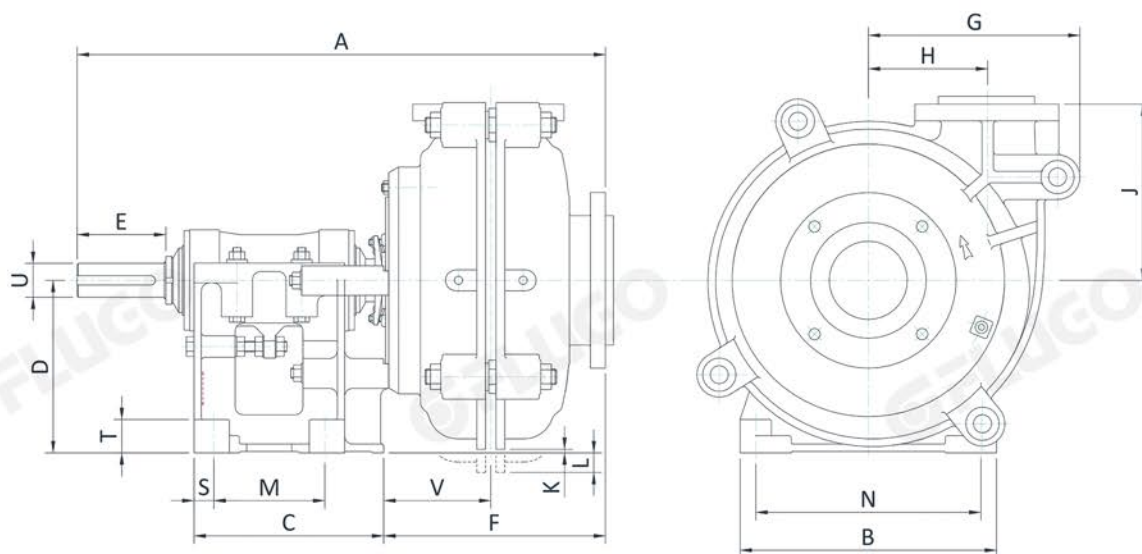
Pump Features

- ┌ Elastomer or high chrome alloy liners provide corrosion & abrasion resistance, plus the interchangeability to reduce the maintenance cost and maximize wear life.
- ┌ Large diameter, high efficiency impellers designed to offer maximum wear life and low operating cost, wide options of impeller for specific applications
- ┌ Gland, expeller or mechanical seals are available to suite different working conditions.
- ┌ The bearing can be grease or oil lubricated which offer ease of maintenance and reduced downtime.
- ┌ The pump can be installed in multi-stage high pressure operation
- ┌ Large internal passage designed to reduce internal velocities to maximize wear life and lower operating cost.

Seal Options

- ┌ **Centrifugal Seal or Expeller Seal or Dynamic Seal** - The centrifugal seal consists of expelling vanes on the back of the impeller and an expeller which rotates in unison with the impeller. The expeller is located in a separate chamber behind the impeller. The expeller acts as a turbine to reduce the pressure of the slurry attempting to escape around the back of the impeller. The expeller forms a pressure ring within the expeller chamber and prevents the slurry from passing into the secondary seal area.
- ┌ **Gland Seal** - The gland seal comprises a number of soft packing rings, compressed in a chamber (stuffing box) against a protective wear sleeve which fitted to the pump shaft. This type of seal requires continuous clean flushing water lubrication and cooling between the rotating shaft sleeve and the compressed packing, to prevent over heating due to the friction.
- ┌ **Mechanical Seal** - When it is essential for the leakage to be prevented entirely, then mechanical seals should provide a solution. The mechanical seal consists of a stationary and rotating face pressed together under mechanical and hydraulic pressure to prevent leakage.

Dimensions

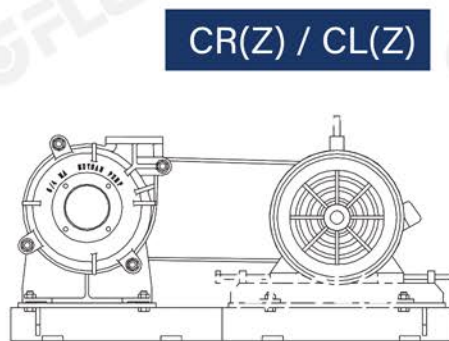
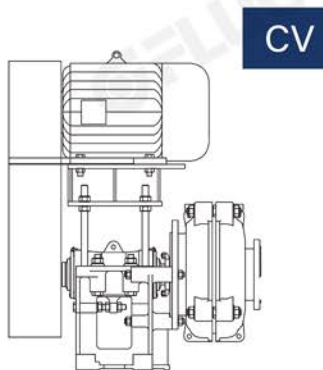
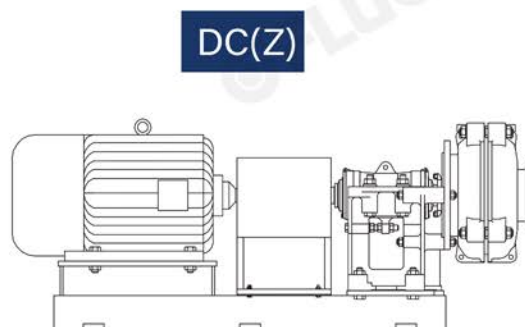
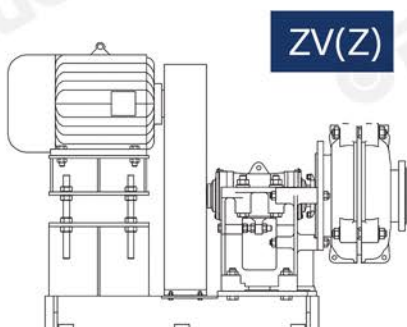


Pump Size	A	B	C	D	U mm	Key Size	E	F	G	H	J	K	L	M	N	V	T	S	Pump Weight (Kg)	
																			Metal	Rubber
1.5/1B-AH	583	295	248	198	28	8x7	79	207	181	98	171	47	-	143	254	100	38	24	87	70
2/1.5B-AH	592	295	248	198	28	8x7	79	217	203	114	184	34	-	143	254	102	38	24	95	77
3/2C-AH	768	406	311	255	42	12x8	125	281	238	138	210	72	-	175	356	129	48	30	180	149
4/3C-AH	843	406	311	255	42	12x8	125	354	292	149	262	25	-	175	356	167	48	30	285	210
4/3D-AH	943	492	364	331	65	18x11	163	354	292	149	262	101	-	213	432	167	64	38	344	287
6/4D-AH	1021	492	364	331	65	18x11	163	424	406	229	338	9	-	213	432	205	64	38	596	470
6/4E-AH	1178	622	448	458	80	22x14	222	433	406	229	338	136	-	257	546	214	76	54	785	620
8/6E-AH	1302	622	448	458	80	22x14	222	553	551	318	460	-	61	257	546	261	76	54	1424	944
8/6R-AH	1348	680	590	353	85	22x14	216	554	551	318	460	-	174	490	560	262	70	50	1655	1164
8/6F-AH	1502	857	635	610	100	28x16	279	542	551	318	460	90	-	349	762	250	98	95	1789	1349
10/8F-AH	1646	990	705	609	100	28x16	279	683	673	419	635	-	12	584	762	349	102	61	3085	2808
10/8G-AH	1910	1219	876	852	140	36x20	360	682	673	419	635	230	-	749	851	347	152	64	4059	3594
10/8ST-AH	1748	1150	780	650	120	32x18	280	693	673	419	635	28	-	620	900	359	125	80	3750	3150
10/8T-AH	2110	1150	1040	650	150	36x20	350	694	673	419	635	35	-	880	900	360	125	80	-	-
12/10F-AH	1721	990	705	609	100	28x16	279	752	755	464	674	-	105	584	762	371	102	61	3904	2940
12/10G-AH	1978	1219	876	852	140	36x20	360	750	755	464	674	-	138	749	851	371	152	64	5107	4287
12/10ST-AH	1816	1150	780	650	120	32x18	280	762	755	464	674	-	64	620	900	381	125	80	4318	3678
12/10T-AH	2180	1150	1040	650	150	36x20	350	762	755	464	674	-	65	880	900	381	125	80	-	-
14/12F-AH	1760	990	705	610	100	28x16	279	802	944	629	832	-	265	584	762	396	102	61	5870	4132
14/12G-AH	2030	1219	876	852	140	36x20	360	801	944	629	832	-	22	749	815	395	152	64	6682	4945
14/12ST-AH	1873	1150	780	650	120	32x18	280	812	944	629	832	-	224	620	900	406	125	80	6409	4672
14/12T-AH	2230	1150	1040	650	150	36x20	350	813	944	629	832	-	224	880	900	406	125	80	-	-
16/14G-AH	2320	1460	1050	900	150	36x20	351	953	1044	660	889	-	84	860	1200	502	150	95	8750	7100
16/14TU-AH	2320	1460	1050	900	150	36x20	351	953	1044	660	889	-	84	860	1200	502	150	95	10000	7900
20/18TU-AH	2475	1460	1050	900	150	36x20	351	1100	1414	940	1230	-	421	860	1200	520	150	95	19150	14050

Note : All the dimensions are in millimeter (mm)

Drive Arrangements

- ▣ Type CV, ZV (Z), CR (Z) / CL (Z) apply belt drive, the auxiliary equipment includes motor mount, pulley, belt, belt guard and fasteners.
- ▣ Type DC(Z) is motor direct drive, the auxiliary equipment includes coupling, guard and fasteners
- ▣ Z means base included



Authorized Distributor



AD-AH Series
High Duty Slurry Pump