

TYPE:

WALFPUMP

M R

FRONT SUCTION PUMPS FOR HYDROCYCLONES AND/OR SLUDGE TRANSFER

FIELDS OF APPLICATION:

Guaranteeing high flow rates and high heads, they are ideal pumps for use in the industrial and service sectors. They are used to feed hydrocyclones in the inert treatment and washing sector and in all areas where there is a need to transfer abrasive and/or acidic liquids. The bodies and impellers can be made of cast super alloys with high resistance to mechanical abrasion (hardnesses of around 800 HB are possible), or be coated with special anti-abrasive rubber compounds.

TECHNICAL FEATURES

AXIS: with press-lubricated bearings

MATCHING: by means of belts and trapezoidal pulleys with protective casing.

BODY: n°1 chrome cast iron or coated with anti-abrasive rubber

IMPELLER: n°1 chrome cast iron closed type with hardness 790 800 HB or coated with anti-abrasive rubber.

SEALS: packing.

BASE: steel frame for floor support.

TYPES OF FLUSHES

- Lubricated gland packings
- Water-lubricated gland seals
- Water-lubricated mechanical seals

OPTIONAL

- High efficiency version (S type)
- Impeller for froth factor
- Direct coupling via mechanical coupling
- Steel frame and floor support



SECTORS

MINING
AGGREGATES
STONE
SOIL WASHING
INDUSTRIAL

MADE IN ITALY

OPERATING CHARACTERISTICS

PUMP	PIPES		FLOW RATE		HEAD MH2O	SPEED [RPM]	MOTOR [KW]
	Inlet DN	Outlet DN	[M3/H]	L/1'			
1.5/1B - AH	1.5	1	10 - 30	160 - 500	5 - 85	1200 - 4400	1.5 - 2.2 - 3
2/1.5B - AH	2	1.5	20 - 60	330 - 1000	6 - 60	1200 - 3200	2.2 - 3 - 4
3/2C - AH	3	2	40 - 138	660 - 2300	10 - 85	1200 - 3170	5.5 - 7.5 - 9.2 - 11 - 15
4/3C - AH	4	3	50 - 250	830 - 4160	8 - 80	1000 - 2750	11 - 15 - 18.5 - 22 - 30
4/3D - AH	4	3					37 - 45
6/4D - AH	6	4	100 - 400	1660 - 6660	10 - 78	800 - 1800	22 - 30 - 37 - 45
6/4E - AH	6	4					75 - 90
8/6E - AH	8	6	300 - 800	5000 - 13300	10 - 80	500 - 1300	30 - 37 - 45 - 55 - 75
8/6F - AH	8	6					132 - 160
10/8E - M	10	8					55 - 75 - 90
10/8F - AH	10	8	500 - 1500	8330 - 25000	10 - 85	400 - 1000	55 - 75 - 90 - 110
10/8ST - AH	10	8					315 - 355
12/10ST - AH	12	10	500 - 2000	8330 - 33300	8 - 82	300 - 900	200 - 250 - 315 - 450
14/12ST - AH	14	12	1000 - 2900	16600 - 48300	10 - 86	300 - 700	400 - 500 - 560
16/14TU - AH	16	14	1000 - 3500	16600 - 58330	10 - 62	250 - 550	≤1200
20/18U - AH	20	18	1000 - 6000	16600 - 100000	10 - 60	200 - 400	≤2000

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*Sludge pressure at density 1.4 kg/dm³

PUMP	PIPES		FLOW RATE		HEAD MH2O	SPEED [RPM]	MOTOR [KW]
	Inlet DN	Outlet DN	[M3/H]	L/1'			
1.5/1B - AHR	1.5	1	10 - 25	160 - 400	8 - 46	1400 - 3200	1.5 - 2.2 - 3
2/1.5B - AHR	2	1.5	20 - 50	330 - 830	5 - 42	1000 - 2600	2.2 - 3 - 4
3/2C - AHR	3	2	30 - 78	500 - 1300	6 - 46	900 - 2300	5.5 - 7.5 - 9.2 - 11 - 15
4/3C - AHR	4	3	50 - 150	830 - 2500	5 - 40	800 - 1950	11 - 15 - 18.5 - 22 - 30
4/3D - AHR	4	3					37 - 45
6/4D - AHR	6	4	100 - 320	1660 - 5300	10 - 42	800 - 1350	22 - 30 - 37 - 45
6/4E - AHR	6	4					75 - 90
8/6E - AHR	8	6	200 - 680	3300 - 11300	6 - 50	400 - 1000	30 - 37 - 45 - 55 - 75
8/6F - AHR	8	6					132 - 160
10/8E - MR	10	8					55 - 75 - 90
10/8F - AHR	10	8	400 - 1050	6600 - 17500	10 - 50	400 - 750	55 - 75 - 90 - 110
10/8ST - AHR	10	8					315 - 355
12/10ST - AHR	12	10	1000 - 2300	16600 - 38300	8 - 44	300 - 650	200 - 250 - 315 - 450
14/12ST - AHR	14	12	500 - 2300	8330 - 38318	10 - 44	300 - 500	400 - 500 - 560
16/14TU - AHR	16	14	500 - 2800	8330 - 46648	10 - 42	250 - 450	≤1200
20/18U - AHR	20	18	1000 - 4500	16660 - 75000	12 - 44	200 - 350	≤2000

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*Sludge pressure at density 1.4 kg/dm³

ALFA
PUMP AND POWER
AUSTRALIA

DATA SHEET - AH

PUMP	SIZE [mm]														WEIGHT [kg]
	INLET DIMENSIONS							OUTLET DIMENSIONS			OUTLET DN CURVE 45°				
	A	B	C	D	E	G	H	HOLES	H-H	EXT Ø		HOLES	H-H	EXTØ	
1.5/1B - AH	615	616	197	98	108	296	368	N° 4 HOLES Ø16	114	152	N° 4 HOLES Ø16	127	165	no curve	90
2/1.5B - AH	628	626	197	114	115,5	296	381	N° 4 HOLES Ø19	146	184	N° 4 HOLES Ø19	127	165	no curve	100
3/2C - AH	856	854	254	286	154	406	502	N° 4 HOLES Ø19	178	216	N° 4 HOLES Ø19	145	184	80 pn 16	280
4/3C - AH	884,5	929	254	340	108	406	600	N° 4 HOLES Ø22	235	279	N° 4 HOLES Ø22	192	228	100 pn 10	550
6/4D - AH	1131,5	1112,5	331	478	220	492	746	N° 4 HOLES Ø22	292	337	N° 4 HOLES Ø22	235	280	200 pn10	920
8/6E - AH	1535,5	1379	457	712	291,5	662	893	N°4 HOLES Ø22	356	406	N° 4 HOLES Ø22	324	368	200 pn10	2100
10/8E - M	1544	1410	457	701	325,5	662	756	N°8 HOLES Ø29	445	502	N°8 HOLES Ø29	375	432	200 pn10	2400
10/8F - AH	1764	1657	610	925	325,5	990	996	N°8 HOLES Ø29	445	502	N°8 HOLES Ø29	375	432	200 pn10	4500
12/10ST - AH		1827	650	1323	381	1827		N°8 HOLES Ø25	470	527	N°12 HOLES Ø25	470	528		7796
14/12ST - AH		1879	650	1482	406	1879		N°8 HOLES Ø25	521	584	N°12 HOLES Ø25	495	552		9104
16/14TU - AH		2320	900	1799	451	2320		N°12 HOLES Ø28	641	705	N°12 HOLES Ø28	610	674		
20/18U - AH		2475	900	2130	580	2475		N°12 HOLES Ø42	800	900	N°12 HOLES Ø42	800	990		

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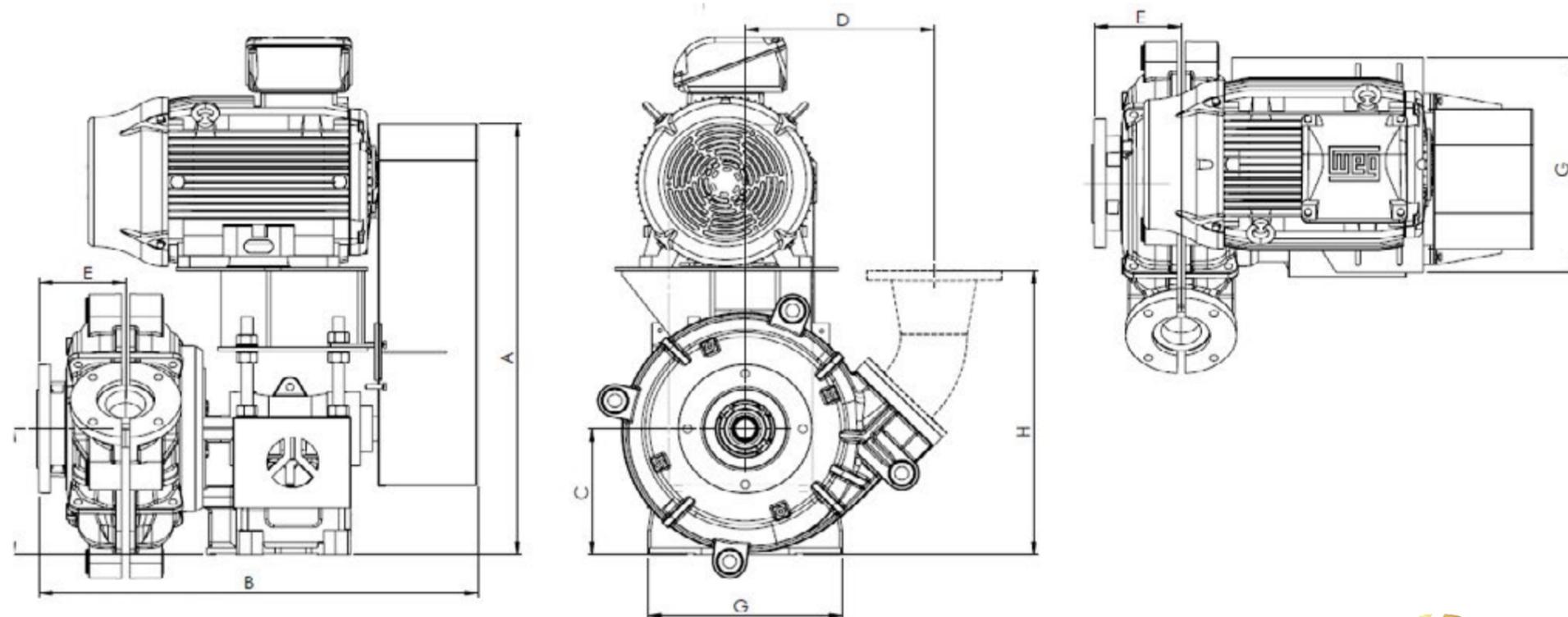
Indicative dimensions and weights

DATA SHEET - AHR

PUMP	SIZE [mm]														WEIGHT [kg]
	INLET DIMENSIONS							OUTLET DIMENSIONS			OUTLET DN CURVE 45°				
	A	B	C	D	E	G	H	HOLES	H-H	EXT Ø		HOLES	H-H	EXTØ	
1.5/1B - AHR	615	616	197	98	108	296	368	N° 4 HOLES Ø16	114	152	N° 4 HOLES Ø16	127	165	no curve	90
2/1.5B - AHR	628	626	197	114	115,5	296	381	N° 4 HOLES Ø19	146	184	N° 4 HOLES Ø19	127	165	no curve	100
3/2C - AHR	856	854	254	286	154	406	502	N° 4 HOLES Ø19	178	216	N° 4 HOLES Ø19	145	184	80 pn 16	280
4/3C - AHR	884,5	929	254	340	108	406	600	N° 4 HOLES Ø22	235	279	N° 4 HOLES Ø22	192	228	100 pn 10	550
6/4D - AHR	1131,5	1112,5	331	478	220	492	746	N° 4 HOLES Ø22	292	337	N° 4 HOLES Ø22	235	280	200 pn10	920
8/6E - AHR	1535,5	1379	457	712	291,5	662	893	N°4 HOLES Ø22	356	406	N° 4 HOLES Ø22	324	368	200 pn10	2100
10/8E - MR	1544	1410	457	701	325,5	662	756	N°8 HOLES Ø29	445	502	N°8 HOLES Ø29	375	432	200 pn10	2400
10/8F - AHR	1764	1657	610	925	325,5	990	996	N°8 HOLES Ø29	445	502	N°8 HOLES Ø29	375	432	200 pn10	4500
12/10ST - AHR		1827	650	1323	381	1827		N°8 HOLES Ø25	470	527	N°12 HOLES Ø25	470	528		7796
14/12ST - AHR		1879	650	1482	406	1879		N°8 HOLES Ø25	521	584	N°12 HOLES Ø25	495	552		9104
16/14TU - AHR		2320	900	1799	451	2320		N°12 HOLES Ø28	641	705	N°12 HOLES Ø28	610	674		
20/18U - AHR		2475	900	2130	580	2475		N°12 HOLES Ø42	800	900	N°12 HOLES Ø42	800	990		

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Indicative dimensions and weights



LEGEND (for illustrative purposes only)	
	Vertical discharge elevation
	On demand

MODULAR CONFIGURATIONS

Our modular technology allows the Walfpump to be customised to fit any environment. If space is limited, we can reduce the size and configure the pump to fit into a smaller space without compromising performance. Similarly, if you have a larger area available, we can expand the pump to provide greater capacity without sacrificing efficiency.

CV



ZV



CL



DC



CR

