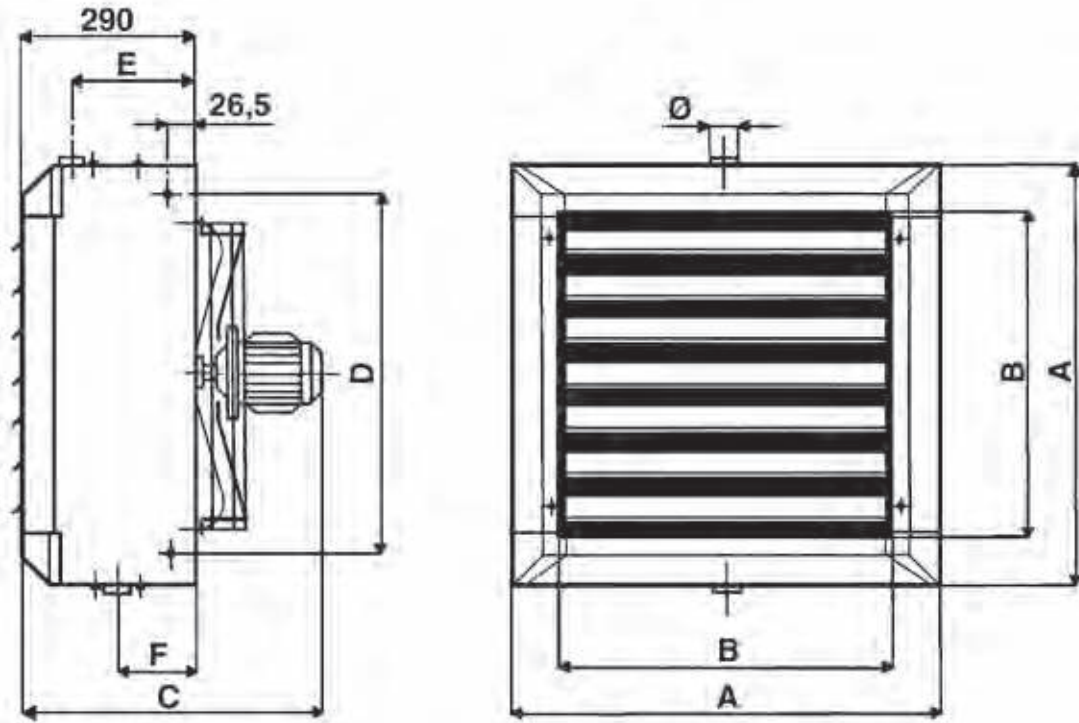


Reference: 46A42

46	A	4	2	SX
MOTOR 4/6 POLE (1350/1000 r.p.m.)	RANGE ATLAS	SIZE 4	ROWS 2	COIL STEEL TUBE

SP
COIL COPPER TUBE

Atlas version – Dimensions, Weight, Water content

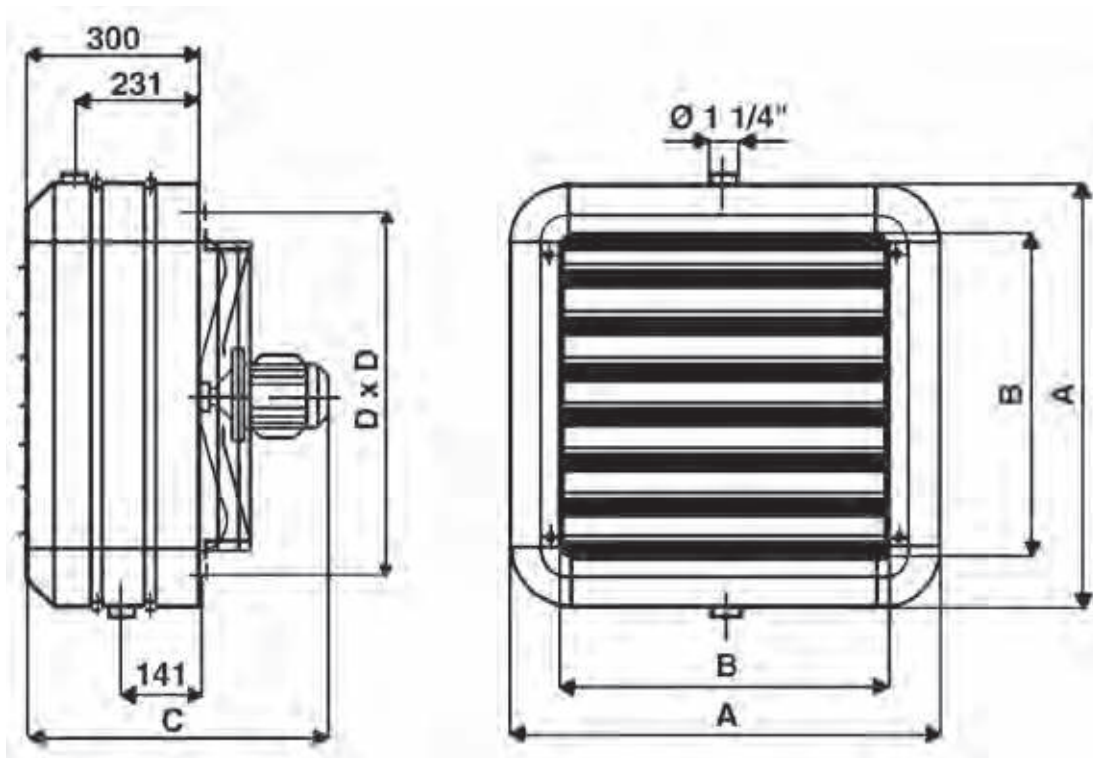


SIZE	Dimensions (mm)								Weight (kg)						Water content (liters)		
	A	B	C	(ATEX)	D	E	F	Ø	1R	(ATEX)	2R	(ATEX)	3R	(ATEX)	1R	2R	3R
1	472	336	465	(595)	375	220	130	1 1/4"	19	(32)	22	(35)	24	(37)	1,3	2,6	3,9
2	526	390	465	(595)	429	220	130	1 1/4"	22	(35)	25	(37)	27	(40)	1,6	3,2	4,8
3	580	444	465	(595)	483	220	130	1 1/4"	26	(38)	30	(42)	33	(45)	1,9	3,8	5,7
4	634	498	488	(618)	537	220	130	1 1/4"	30	(42)	34	(46)	38	(50)	2,3	4,6	6,9
5	688	552	488	(618)	591	220	130	1 1/4"	33	(47)	40	(54)	44	(58)	3,0	6,0	9,0
6	742	606	513	(643)	645	220	130	1 1/4"	38	(52)	46	(60)	51	(65)	3,5	7,0	10,5
7	793	657	560	(740)	696	210	140	1 1/2"	46	(63)	55	(72)	61	(78)	4,3	8,2	12,3
8	900	764	575	(755)	803	210	140	1 1/2"	55	(71)	66	(82)	73	(89)	5,8	11,1	16,6
9	1010	874	595	(775)	913	210	140	1 1/2"	65	(86)	79	(100)	88	(109)	7,6	14,5	21,8
10	1117	980	640	(820)	1020	210	140	2"	79	(98)	95	(114)	106	(125)	9,6	18,2	27,3

Reference: 46H53

46	H	5	3	SX
MOTOR 4/6 POLE (1350/1000 r.p.m.)	RANGE HELIOS	SIZE 5	ROWS 3	COIL STEEL TUBE
				SP
				COIL COPPER TUBE

Helios version – Dimensions, Weight, Water content



SIZE	Dimensions (mm)				Weight (kg)			Water content (liters)		
	A	B	C	D	1R	2R	3R	1R	2R	3R
1	486	330	477	406	19	22	24	1,3	2,6	3,9
2	540	384	477	460	22	25	27	1,6	3,2	4,8
3	594	438	477	514	26	30	33	1,9	3,8	5,7
4	648	492	500	568	30	34	38	2,3	4,6	6,9
5	702	546	500	622	33	40	44	3,0	6,0	9,0
6	756	600	525	676	38	46	51	3,5	7,0	10,5

WATER Temperature 85-75°C

Drop 10°C – Δtm 65°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:			
	r.p.m.		Atlas	Helios	m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge	
	4 Poles	6 Poles			4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²
1	1350	1000	46A11	46H11	1490	1055	56	48	-	-	-	-	4	2,5÷3,5	8	4	50
			46A12	46H12	1400	1010	56	48	11170	8500	38	41					
			46A13	46H13	1330	960	56	48	12940	9790	44	48					
2	1350	1000	46A21	46H21	2315	1640	59	51	-	-	-	-	4	3÷4	11	4,5	60
			46A22	46H22	2100	1440	59	51	15600	11880	38	41					
			46A23	46H23	2010	1380	59	51	17700	13390	42	46					
3	1350	1000	46A31	46H31	3400	2215	61	52	-	-	-	-	4	3÷4	14	5	70
			46A32	46H32	2960	1995	61	52	23850	17940	38	42					
			46A33	46H33	2750	1850	61	52	27700	20710	43	47					
4	1350	1000	46A41	46H41	4230	2845	64	54	-	-	-	-	4	3,5÷4,5	16	5,5	80
			46A42	46H42	3525	2350	64	54	30840	23290	40	42					
			46A43	46H43	3120	2080	64	54	35260	26630	45	48					
5	1350	1000	46A51	46H51	5600	3630	66	56	-	-	-	-	4	4÷5	20	6	100
			46A52	46H52	5280	3470	66	56	40600	30910	39	43					
			46A53	46H53	4550	2990	66	56	46310	35250	43	48					
6	1350	1000	46A61	46H61	6920	4700	69	60	-	-	-	-	4	4÷5,5	25	7	130
			46A62	46H62	6450	4225	69	60	51780	40390	38	43					
			46A63	46H63	5570	3720	69	60	59380	46430	43	48					
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles					
7	900	700	68A71	-	5800	4400	65	60	-	-	-	-	6	4÷5	24	7	120
			68A72	-	5400	4100	65	60	44200	37100	41	44					
			68A73	-	5200	3800	65	60	53500	43800	48	52					
8	900	700	68A81	-	8500	6000	67	61	-	-	-	-	6	4÷5,5	26	9	160
			68A82	-	7600	5500	67	61	62900	52200	42	45					
			68A83	-	7000	5000	67	61	72700	59700	48	52					
9	900	700	68A91	-	10600	8000	68	62	-	-	-	-	6	4÷6	28	11	200
			68A92	-	10000	7500	68	62	81400	67600	41	44					
			68A93	-	9500	7000	68	62	98800	81100	48	52					
10	900	700	68A101	-	12500	9500	71	65	-	-	-	-	6	4÷6	30	12	220
			68A102	-	11900	8800	71	65	97800	79200	42	44					
			68A103	-	11400	8450	71	65	118600	97300	47	52					

Correction factors

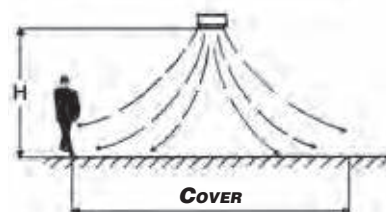
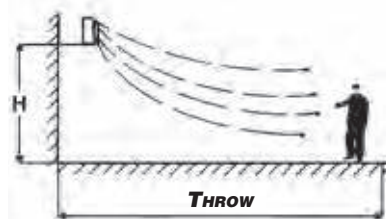
Water temperature °C

Entering air temperature	50/40	55/45	60/50	65/55	70/60	75/65	80/70	85/75	90/80
-10	0,85	0,92	1,00	1,08	1,15	1,23	1,31	1,38	1,46
-5	0,77	0,85	0,92	1,00	1,08	1,15	1,23	1,31	1,38
0	0,69	0,77	0,85	0,92	1,00	1,08	1,15	1,23	1,31
+5	0,62	0,69	0,77	0,85	0,92	1,00	1,08	1,15	1,23
+10	0,54	0,62	0,69	0,77	0,85	0,92	1,00	1,08	1,15
+15	0,46	0,54	0,62	0,69	0,77	0,85	0,92	1,00	1,08
+20	0,39	0,46	0,54	0,62	0,69	0,77	0,85	0,92	1,00
+25	0,31	0,39	0,46	0,54	0,62	0,69	0,77	0,85	0,92

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



WATER Temperature 85-70°C

Drop 15°C – Δtm 62.5°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:			
	r.p.m.				m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge	
	4 Poles	6 Poles	Atlas	Helios	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²
1	1350	1000	46A11	46H11	1490	1055	56	48	-	-	-	-	4	2,5÷3,5	8	4	50
			46A12	46H12	1400	1010	56	48	10200	7760	36	39		6	2,5÷3	5,5	3
			46A13	46H13	1330	960	56	48	11820	8940	41	45					
2	1350	1000	46A21	46H21	2315	1640	59	51	-	-	-	-	4	3÷4	11	4,5	60
			46A22	46H22	2100	1440	59	51	14250	10850	36	39		6	2,5÷3,5	7,5	3,5
			46A23	46H23	2010	1380	59	51	16170	12230	40	44					
3	1350	1000	46A31	46H31	3400	2215	61	52	-	-	-	-	4	3÷4	14	5	70
			46A32	46H32	2960	1995	61	52	21790	16380	36	39		6	2,5÷3,5	10	4
			46A33	46H33	2750	1850	61	52	25300	18920	41	44					
4	1350	1000	46A41	46H41	4230	2845	64	54	-	-	-	-	4	3,5÷4,5	16	5,5	80
			46A42	46H42	3525	2350	64	54	28170	21280	38	40		6	3÷4	12	4,5
			46A43	46H43	3120	2080	64	54	32210	24330	42	45					
5	1350	1000	46A51	46H51	5600	3630	66	56	-	-	-	-	4	4÷5	20	6	100
			46A52	46H52	5280	3470	66	56	37090	28240	37	40		6	3,5÷4,5	15	5
			46A53	46H53	4550	2990	66	56	42300	32200	40	45					
6	1350	1000	46A61	46H61	6920	4700	69	60	-	-	-	-	4	4÷5,5	25	7	130
			46A62	46H62	6450	4225	69	60	47300	36890	36	40		6	4÷5	18	6
			46A63	46H63	5570	3720	69	60	54420	42410	40	45					
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles					
7	900	700	68A71	-	5800	4400	65	60	-	-	-	-	6	4÷5	24	7	120
			68A72	-	5400	4100	65	60	40300	34000	39	41		8	3,5÷4	18	6
			68A73	-	5200	3800	65	60	48800	40100	45	49					
8	900	700	68A81	-	8500	6000	67	61	-	-	-	-	6	4÷5,5	26	9	160
			68A82	-	7600	5500	67	61	57400	47600	39	42		8	3,5÷4,5	20	7
			68A83	-	7000	5000	67	61	66400	54400	45	49					
9	900	700	68A91	-	10600	8000	68	62	-	-	-	-	6	4÷6	28	11	200
			68A92	-	10000	7500	68	62	74400	61800	39	41		8	3,5÷5	21	8
			68A93	-	9500	7000	68	62	90200	74100	45	49					
10	900	700	68A101	-	12500	9500	71	65	-	-	-	-	6	4÷6	30	12	220
			68A102	-	11900	8800	71	65	89300	72300	40	41		8	4÷5	22	9
			68A103	-	11400	8450	71	65	108400	88900	44	49					

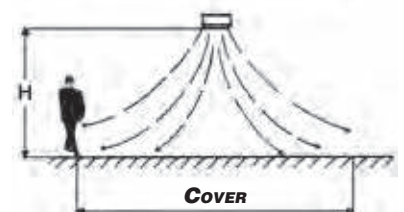
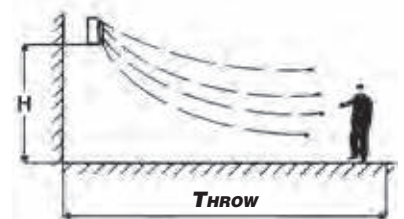
Correction factors

Water temperature °C

Entering air temperature	50/35	55/40	60/45	65/50	70/55	75/60	80/65	85/70	90/75
-10	0,84	0,92	1,00	1,08	1,16	1,24	1,32	1,40	1,48
-5	0,76	0,84	0,92	1,00	1,08	1,16	1,24	1,32	1,40
0	0,67	0,76	0,84	0,92	1,00	1,08	1,16	1,24	1,32
+5	0,60	0,68	0,76	0,84	0,92	1,00	1,08	1,16	1,24
+10	0,52	0,60	0,68	0,76	0,84	0,92	1,00	1,08	1,16
+15	0,44	0,52	0,60	0,68	0,76	0,84	0,92	1,00	1,08
+20	0,36	0,44	0,52	0,60	0,68	0,76	0,84	0,92	1,00
+25	0,28	0,36	0,44	0,52	0,60	0,68	0,76	0,84	0,92

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:
 Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



WATER Temperature 90-70°C

Drop 20°C – Δtm 65°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:			
	r.p.m.		Atlas	Helios	m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge	
	4 Poles	6 Poles			4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²
1	1350	1000	46A11	46H11	1490	1055	56	48	-	-	-	-	4	2,5÷3,5	8	4	50
			46A12	46H12	1400	1010	56	48	10280	7820	36	39					
			46A13	46H13	1330	960	56	48	11900	9010	42	45					
2	1350	1000	46A21	46H21	2315	1640	59	51	-	-	-	-	4	3÷4	11	4,5	60
			46A22	46H22	2100	1440	59	51	14350	10930	36	39					
			46A23	46H23	2010	1380	59	51	16280	12320	40	44					
3	1350	1000	46A31	46H31	3400	2215	61	52	-	-	-	-	4	3÷4	14	5	70
			46A32	46H32	2960	1995	61	52	21940	16500	36	39					
			46A33	46H33	2750	1850	61	52	25480	19060	41	44					
4	1350	1000	46A41	46H41	4230	2845	64	54	-	-	-	-	4	3,5÷4,5	16	5,5	80
			46A42	46H42	3525	2350	64	54	28370	21430	38	40					
			46A43	46H43	3120	2080	64	54	32440	24500	43	46					
5	1350	1000	46A51	46H51	5600	3630	66	56	-	-	-	-	4	4÷5	20	6	100
			46A52	46H52	5280	3470	66	56	37360	28440	37	41					
			46A53	46H53	4550	2990	66	56	42600	32430	41	45					
6	1350	1000	46A61	46H61	6920	4700	69	60	-	-	-	-	4	4÷5,5	25	7	130
			46A62	46H62	6450	4225	69	60	47640	37160	36	41					
			46A63	46H63	5570	3720	69	60	54810	42720	40	45					
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles					
7	900	700	68A71	-	5800	4400	65	60	-	-	-	-	6	4÷5	24	7	120
			68A72	-	5400	4100	65	60	40700	34200	39	42					
			68A73	-	5200	3800	65	60	49200	40400	45	49					
8	900	700	68A81	-	8500	6000	67	61	-	-	-	-	6	4÷5,5	26	9	160
			68A82	-	7600	5500	67	61	57800	48000	39	42					
			68A83	-	7000	5000	67	61	66900	54800	45	49					
9	900	700	68A91	-	10600	8000	68	62	-	-	-	-	6	4÷6	28	11	200
			68A92	-	10000	7500	68	62	74900	62200	39	41					
			68A93	-	9500	7000	68	62	90900	74600	45	49					
10	900	700	68A101	-	12500	9500	71	65	-	-	-	-	6	4÷6	30	12	220
			68A102	-	11900	8800	71	65	90000	72900	40	41					
			68A103	-	11400	8450	71	65	109200	89500	44	49					

Correction factors

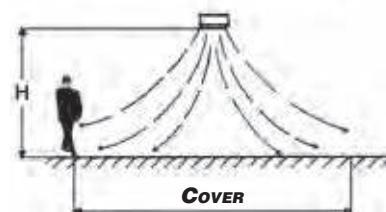
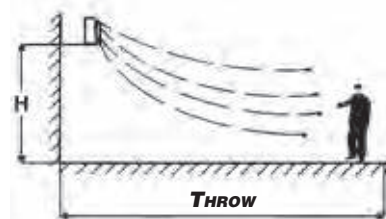
Water temperature °C

Entering air temperature	60/40	70/50	80/60	85/65	90/70	95/75
-10	0,92	1,08	1,23	1,31	1,38	1,46
-5	0,85	1,00	1,15	1,23	1,31	1,38
0	0,77	0,92	1,08	1,15	1,23	1,31
+5	0,69	0,85	1,00	1,08	1,15	1,23
+10	0,62	0,77	0,92	1,00	1,08	1,15
+15	0,54	0,69	0,85	0,92	1,00	1,08
+20	0,46	0,62	0,77	0,85	0,92	1,00
+25	0,38	0,54	0,69	0,77	0,85	0,92

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



WATER Temperature 130-100°C

Drop 30°C – Δtm 100°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:				
	r.p.m.		Atlas	Helios	m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge		
	4 Poles	6 Poles			4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		4 Poles	6 Poles	HEIGHT m	THROW m	HEIGHT max. m
1	1350	1000	46A11	46H11	1490	1055	56	48	11040	9060	36	40	4	2,5÷3,5	8	4	50	
			46A12	46H12	1400	1010	56	48	15810	12030	48	52		6	2,5÷3	5,5	3	36
			46A13	46H13	1330	960	56	48	-	-	-	-			-	-	-	-
2	1350	1000	46A21	46H21	2315	1640	59	51	15810	12650	36	41	4	3÷4	11	4,5	60	
			46A22	46H22	2100	1440	59	51	22070	16820	47	52		6	2,5÷3,5	7,5	3,5	45
			46A23	46H23	2010	1380	59	51	-	-	-	-			-	-	-	-
3	1350	1000	46A31	46H31	3400	2215	61	52	22730	18120	36	41	4	3÷4	14	5	70	
			46A32	46H32	2960	1995	61	52	33760	25390	48	53		6	2,5÷3,5	10	4	50
			46A33	46H33	2750	1850	61	52	-	-	-	-			-	-	-	
4	1350	1000	46A41	46H41	4230	2845	64	54	30310	23640	38	41	4	3,5÷4,5	16	5,5	80	
			46A42	46H42	3525	2350	64	54	43650	32970	50	54		6	3÷4	12	4,5	60
			46A43	46H43	3120	2080	64	54	-	-	-	-			-	-	-	
5	1350	1000	46A51	46H51	5600	3630	66	56	39520	30430	37	42	4	4÷5	20	6	100	
			46A52	46H52	5280	3470	66	56	57480	43760	49	54		6	3,5÷4,5	15	5	75
			46A53	46H53	4550	2990	66	56	-	-	-	-			-	-	-	
6	1350	1000	46A61	46H61	6920	4700	69	60	49750	38210	36	40	4	4÷5,5	25	7	130	
			46A62	46H62	6450	4225	69	60	73290	57170	48	54		6	4÷5	18	6	110
			46A63	46H63	5570	3720	69	60	-	-	-	-			-	-	-	
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles						
7	900	700	68A71	-	5800	4400	65	60	42900	36400	39	41	6	4÷5	24	7	120	
			68A72	-	5400	4100	65	60	62700	52600	52	56		8	3,5÷4	18	6	100
			68A73	-	5200	3800	65	60	-	-	-	-			-	-	-	
8	900	700	68A81	-	8500	6000	67	61	62400	53700	39	42	6	4÷5,5	26	9	160	
			68A82	-	7600	5500	67	61	89000	73800	52	56		8	3,5÷4,5	20	7	130
			68A83	-	7000	5000	67	61	-	-	-	-			-	-	-	
9	900	700	68A91	-	10600	8000	68	62	78400	66600	39	42	6	4÷6	28	11	200	
			68A92	-	10000	7500	68	62	115200	95700	52	56		8	3,5÷5	21	8	150
			68A93	-	9500	7000	68	62	-	-	-	-			-	-	-	
10	900	700	68A101	-	12500	9500	71	65	95400	83300	40	43	6	4÷6	30	12	220	
			68A102	-	11900	8800	71	65	138400	112100	54	56		8	4÷5	22	9	160
			68A103	-	11400	8450	71	65	-	-	-	-			-	-	-	

Correction factors

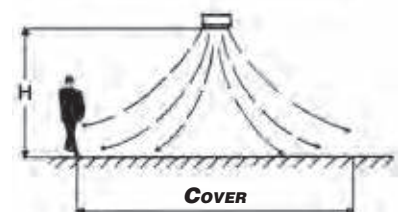
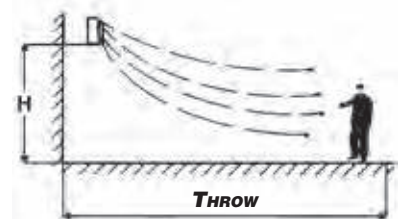
Water temperature °C

Entering air temperature	110/80	120/90	130/100	140/110	150/120
-10	1,05	1,15	1,25	1,35	1,45
-5	1,00	1,10	1,20	1,30	1,40
0	0,95	1,05	1,15	1,25	1,35
+5	0,90	1,00	1,10	1,20	1,30
+10	0,85	0,95	1,05	1,15	1,25
+15	0,80	0,90	1,00	1,10	1,20
+20	0,75	0,85	0,95	1,05	1,15
+25	0,70	0,80	0,90	1,00	1,10

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



WATER Temperature 160-110°C

Drop 50°C – Δtm 120°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:			
	r.p.m.		Atlas	Helios	m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge	
	4 Poles	6 Poles			4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²
1	1350	1000	46A11	46H11	1490	1055	56	48	12530	10290	39	44	4	2,5÷3,5	8	4	50
			46A12	46H12	1400	1010	56	48	-	-	-	-					
			46A13	46H13	1330	960	56	48	-	-	-	-					
2	1350	1000	46A21	46H21	2315	1640	59	51	17940	14350	39	44	4	3÷4	11	4,5	60
			46A22	46H22	2100	1440	59	51	-	-	-	-					
			46A23	46H23	2010	1380	59	51	-	-	-	-					
3	1350	1000	46A31	46H31	3400	2215	61	52	25800	20560	39	44	4	3÷4	14	5	70
			46A32	46H32	2960	1995	61	52	-	-	-	-					
			46A33	46H33	2750	1850	61	52	-	-	-	-					
4	1350	1000	46A41	46H41	4230	2845	64	54	34400	26830	41	44	4	3,5÷4,5	16	5,5	80
			46A42	46H42	3525	2350	64	54	-	-	-	-					
			46A43	46H43	3120	2080	64	54	-	-	-	-					
5	1350	1000	46A51	46H51	5600	3630	66	56	44850	34530	40	45	4	4÷5	20	6	100
			46A52	46H52	5280	3470	66	56	-	-	-	-					
			46A53	46H53	4550	2990	66	56	-	-	-	-					
6	1350	1000	46A61	46H61	6920	4700	69	60	56460	43360	39	44	4	4÷5,5	25	7	130
			46A62	46H62	6450	4225	69	60	-	-	-	-					
			46A63	46H63	5570	3720	69	60	-	-	-	-					
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles					
7	900	700	68A71	-	5800	4400	65	60	48600	41300	42	45	6	4÷5	24	7	120
			68A72	-	5400	4100	65	60	-	-	-	-					
			68A73	-	5200	3800	65	60	-	-	-	-					
8	900	700	68A81	-	8500	6000	67	61	70800	60900	42	46	6	4÷5,5	26	9	160
			68A82	-	7600	5500	67	61	-	-	-	-					
			68A83	-	7000	5000	67	61	-	-	-	-					
9	900	700	68A91	-	10600	8000	68	62	88800	75600	42	45	6	4÷6	28	11	200
			68A92	-	10000	7500	68	62	-	-	-	-					
			68A93	-	9500	7000	68	62	-	-	-	-					
10	900	700	68A101	-	12500	9500	71	65	109800	94400	43	47	6	4÷6	30	12	220
			68A102	-	11900	8800	71	65	-	-	-	-					
			68A103	-	11400	8450	71	65	-	-	-	-					

Correction factors

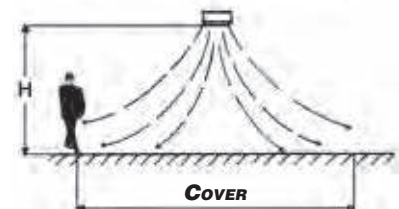
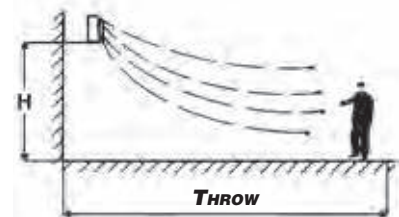
Water temperature °C

Entering air temperature	140/90	150/100	160/110	170/120
-10	1,04	1,13	1,21	1,29
-5	1,00	1,08	1,17	1,25
0	0,96	1,04	1,13	1,21
+5	0,92	1,00	1,08	1,17
+10	0,88	0,96	1,04	1,13
+15	0,83	0,92	1,00	1,08
+20	0,79	0,88	0,96	1,04
+25	0,75	0,83	0,92	1,00

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



STEAM 0.5 bar (for steam we recommend the use of copper tube coils)

Steam temperature 111°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:						
	r.p.m.				m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge				
	4 Poles	6 Poles	Atlas	Helios	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²			
1	1350	1000	46A11	46H11	1490	1055	56	48	10660	8750	35	39	4	2,5÷3,5	8	4	50			
			46A12	46H12	1400	1010	56	48	-	-	-	-		-	-	6	2,5÷3	5,5	3	36
			46A13	46H13	1330	960	56	48	-	-	-	-		-	-		-	-	-	-
2	1350	1000	46A21	46H21	2315	1640	59	51	15270	12210	36	40	4	3÷4	11	4,5	60			
			46A22	46H22	2100	1440	59	51	-	-	-	-		-	-	6	2,5÷3,5	7,5	3,5	45
			46A23	46H23	2010	1380	59	51	-	-	-	-		-	-		-	-	-	-
3	1350	1000	46A31	46H31	3400	2215	61	52	21960	17500	36	40	4	3÷4	14	5	70			
			46A32	46H32	2960	1995	61	52	-	-	-	-		-	-	6	2,5÷3,5	10	4	50
			46A33	46H33	2750	1850	61	52	-	-	-	-		-	-		-	-	-	-
4	1350	1000	46A41	46H41	4230	2845	64	54	29280	22840	37	40	4	3,5÷4,5	16	5,5	80			
			46A42	46H42	3525	2350	64	54	-	-	-	-		-	-	6	3÷4	12	4,5	60
			46A43	46H43	3120	2080	64	54	-	-	-	-		-	-		-	-	-	-
5	1350	1000	46A51	46H51	5600	3630	66	56	38170	29390	37	41	4	4÷5	20	6	100			
			46A52	46H52	5280	3470	66	56	-	-	-	-		-	-	6	3,5÷4,5	15	5	75
			46A53	46H53	4550	2990	66	56	-	-	-	-		-	-		-	-	-	-
6	1350	1000	46A61	46H61	6920	4700	69	60	48060	36900	36	40	4	4÷5,5	25	7	130			
			46A62	46H62	6450	4225	69	60	-	-	-	-		-	-	6	4÷5	18	6	110
			46A63	46H63	5570	3720	69	60	-	-	-	-		-	-		-	-	-	-
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles								
7	900	700	68A71	-	5800	4400	65	60	41400	35100	38	42	6	4÷5	24	7	120			
			68A72	-	5400	4100	65	60	-	-	-	-		-	-	8	3,5÷4	18	6	100
			68A73	-	5200	3800	65	60	-	-	-	-		-	-		-	-	-	-
8	900	700	68A81	-	8500	6000	67	61	60200	51800	38	42	6	4÷5,5	26	9	160			
			68A82	-	7600	5500	67	61	-	-	-	-		-	-	8	3,5÷4,5	20	7	130
			68A83	-	7000	5000	67	61	-	-	-	-		-	-		-	-	-	-
9	900	700	68A91	-	10600	8000	68	62	75600	64300	38	41	6	4÷6	28	11	200			
			68A92	-	10000	7500	68	62	-	-	-	-		-	-	8	3,5÷5	21	8	150
			68A93	-	9500	7000	68	62	-	-	-	-		-	-		-	-	-	-
10	900	700	68A101	-	12500	9500	71	65	93400	80400	39	42	6	4÷6	30	12	220			
			68A102	-	11900	8800	71	65	-	-	-	-		-	-	8	4÷5	22	9	160
			68A103	-	11400	8450	71	65	-	-	-	-		-	-		-	-	-	-

Correction factors

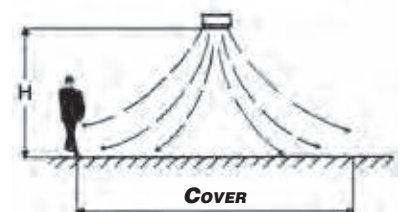
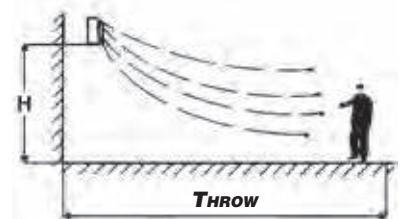
Bar

Entering air temperature	0,1	0,3	0,5	1	2	3
-10	1,17	1,22	1,26	1,35	1,49	1,59
-5	1,11	1,17	1,21	1,30	1,44	1,54
0	1,06	1,11	1,16	1,25	1,39	1,49
+5	1,01	1,06	1,10	1,20	1,33	1,44
+10	0,96	1,01	1,05	1,15	1,28	1,39
+15	0,91	0,96	1,00	1,09	1,23	1,33
+20	0,85	0,91	0,95	1,04	1,18	1,26
+25	0,80	0,85	0,90	0,99	1,13	1,23

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights



STEAM 6 bar (for steam we recommend the use of copper tube coils)

Steam temperature 164°C – Entering air temperature 15°C

SIZE	MOTOR SPEED		MODEL		AIR FLOW		NOISE LEVEL AT 5 m		EMISSION		LEAVING AIR TEMPERATURE		POLES	Mounting heights:			
	r.p.m.		Atlas	Helios	m³/h		dB(A)		W		°C			Horizontal discharge		Vertical discharge	
	4 Poles	6 Poles			4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles	4 Poles	6 Poles		HEIGHT m	THROW m	HEIGHT max. m	COVER m²
1	1350	1000	46A11	46H11	1490	1055	56	48	16550	13590	47	53	4	2,5÷3,5	8	4	50
			46A12	46H12	1400	1010	56	48	-	-	-	-					
			46A13	46H13	1330	960	56	48	-	-	-	-					
2	1350	1000	46A21	46H21	2315	1640	59	51	23700	18960	47	54	4	3÷4	11	4,5	60
			46A22	46H22	2100	1440	59	51	-	-	-	-					
			46A23	46H23	2010	1380	59	51	-	-	-	-					
3	1350	1000	46A31	46H31	3400	2215	61	52	34080	27160	47	54	4	3÷4	14	5	70
			46A32	46H32	2960	1995	61	52	-	-	-	-					
			46A33	46H33	2750	1850	61	52	-	-	-	-					
4	1350	1000	46A41	46H41	4230	2845	64	54	45440	35440	49	54	4	3,5÷4,5	16	5,5	80
			46A42	46H42	3525	2350	64	54	-	-	-	-					
			46A43	46H43	3120	2080	64	54	-	-	-	-					
5	1350	1000	46A51	46H51	5600	3630	66	56	59240	45620	49	55	4	4÷5	20	6	100
			46A52	46H52	5280	3470	66	56	-	-	-	-					
			46A53	46H53	4550	2990	66	56	-	-	-	-					
6	1350	1000	46A61	46H61	6920	4700	69	60	74590	57280	47	53	4	4÷5,5	25	7	130
			46A62	46H62	6450	4225	69	60	-	-	-	-					
			46A63	46H63	5570	3720	69	60	-	-	-	-					
	6 Poles	8 Poles			6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles	6 Poles	8 Poles					
7	900	700	68A71	-	5800	4400	65	60	63800	53500	52	55	6	4÷5	24	7	120
			68A72	-	5400	4100	65	60	-	-	-	-					
			68A73	-	5200	3800	65	60	-	-	-	-					
8	900	700	68A81	-	8500	6000	67	61	92600	78600	53	56	6	4÷5,5	26	9	160
			68A82	-	7600	5500	67	61	-	-	-	-					
			68A83	-	7000	5000	67	61	-	-	-	-					
9	900	700	68A91	-	10600	8000	68	62	116900	98900	52	56	6	4÷6	28	11	200
			68A92	-	10000	7500	68	62	-	-	-	-					
			68A93	-	9500	7000	68	62	-	-	-	-					
10	900	700	68A101	-	12500	9500	71	65	141900	122100	53	56	6	4÷6	30	12	220
			68A102	-	11900	8800	71	65	-	-	-	-					
			68A103	-	11400	8450	71	65	-	-	-	-					

Correction factors

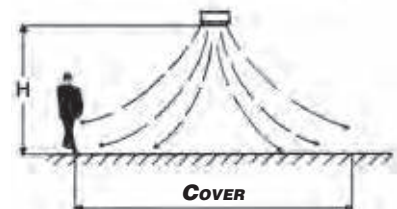
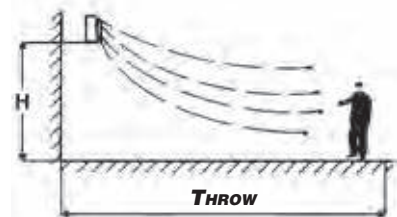
Bar

Entering air temperature	4	5	6	7	8	10
-10	1,08	1,13	1,17	1,21	1,24	1,30
-5	1,05	1,09	1,13	1,17	1,21	1,26
0	1,01	1,06	1,10	1,14	1,17	1,23
+5	0,98	1,03	1,07	1,11	1,14	1,19
+10	0,95	0,99	1,03	1,07	1,11	1,16
+15	0,91	0,96	1,00	1,04	1,07	1,13
+20	0,88	0,93	0,97	1,01	1,04	1,09
+25	0,85	0,89	0,93	0,97	1,01	1,06

For sizes 1 to 6 with 8 pole motor (700 r.p.m.), the performance data can be obtained multiplying the 4 pole motor (1350 r.p.m.) figures by the following correction factors:

Watt x 0.65 m³/h x 0.50 dB(A) x 0.76

Mounting heights





Atlas unit heater



Atlas unit heater
Atlas STP door curtain



Helios unit heater



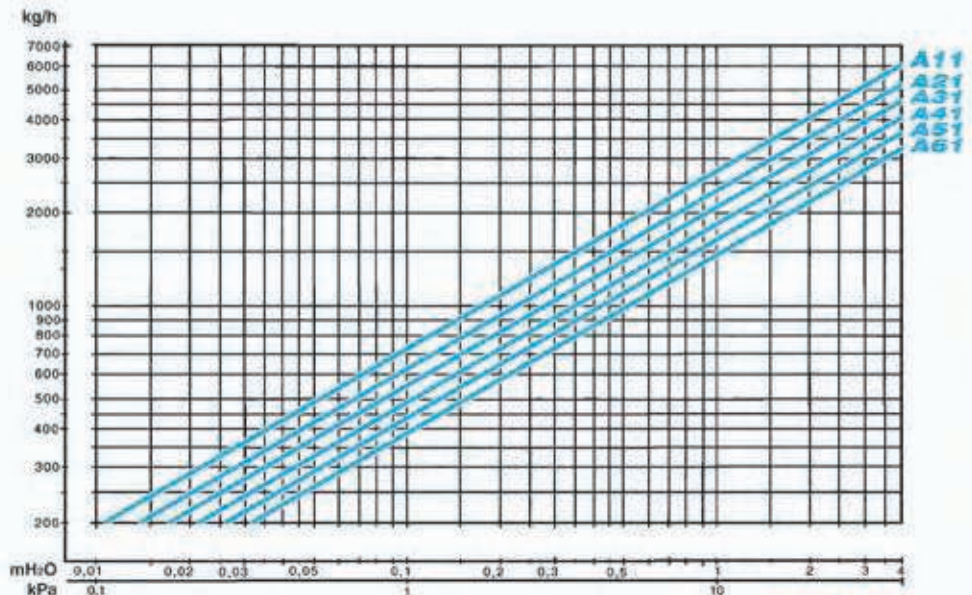
Atlas unit heater

The following tables indicate the pressure drop in m/wg for each **Atlas** and **Helios** model for a mean water temperature of 80°C.

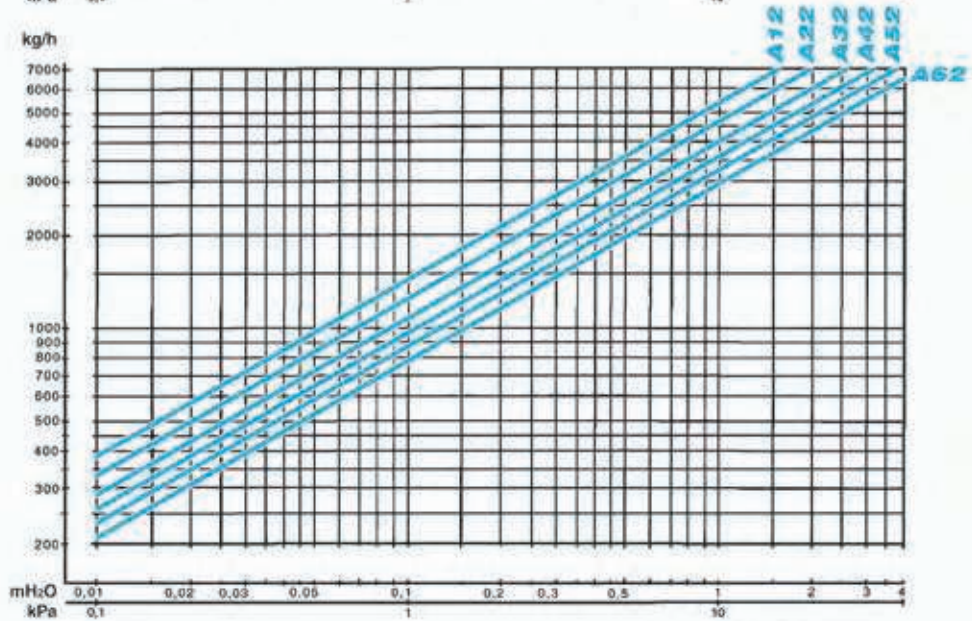
CORRECTION FACTORS FOR DIFFERENT TEMPERATURES

°C	K
50	1.15
60	1.10
70	1.05
90	0.95
100	0.89
110	0.83
120	0.78
130	0.72
140	0.67
150	0.61

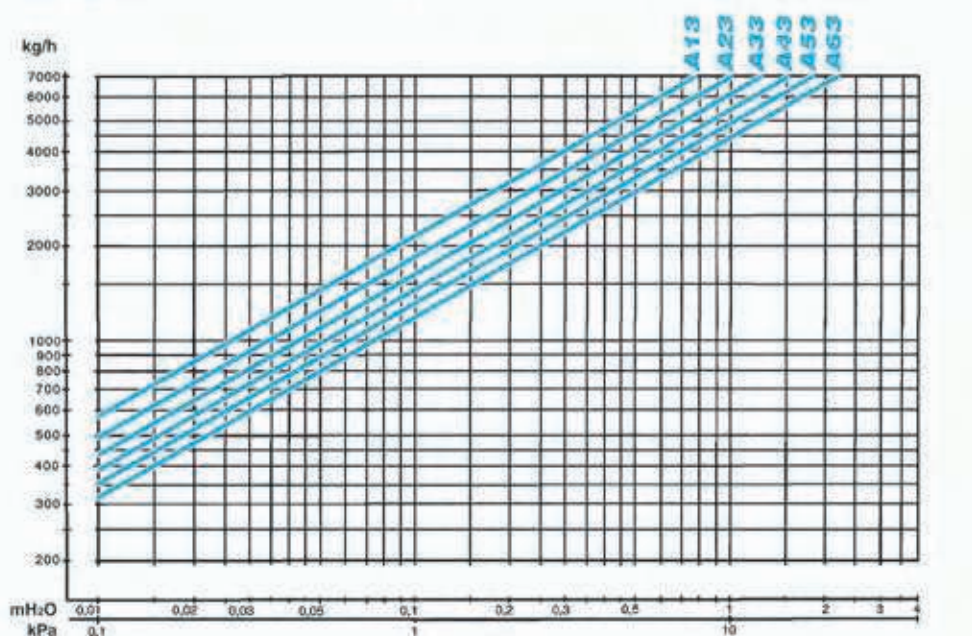
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2 rows



3 rows

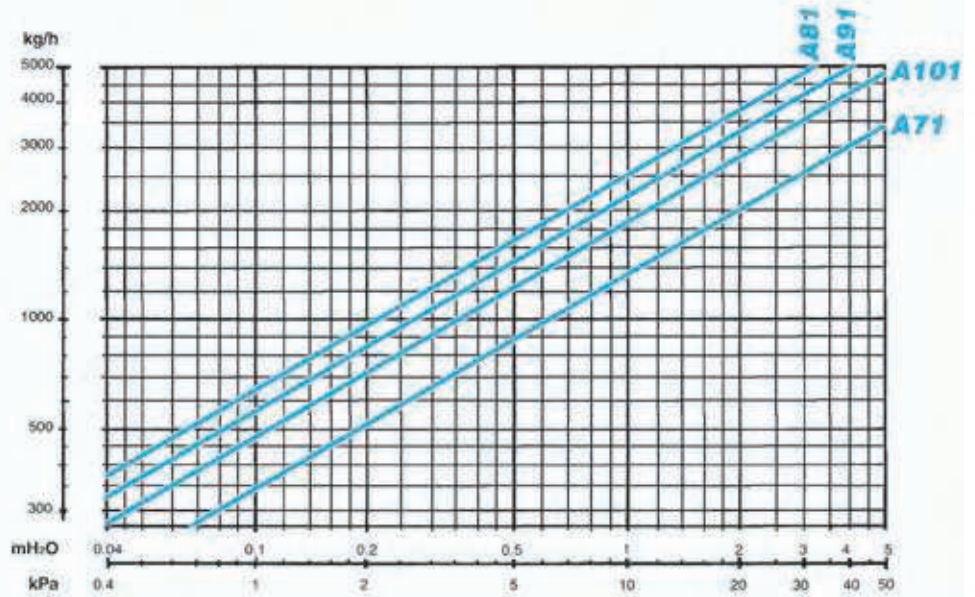


The following tables indicate the pressure drop in m/wg for each **Atlas** model for a mean water temperature of 80°C.

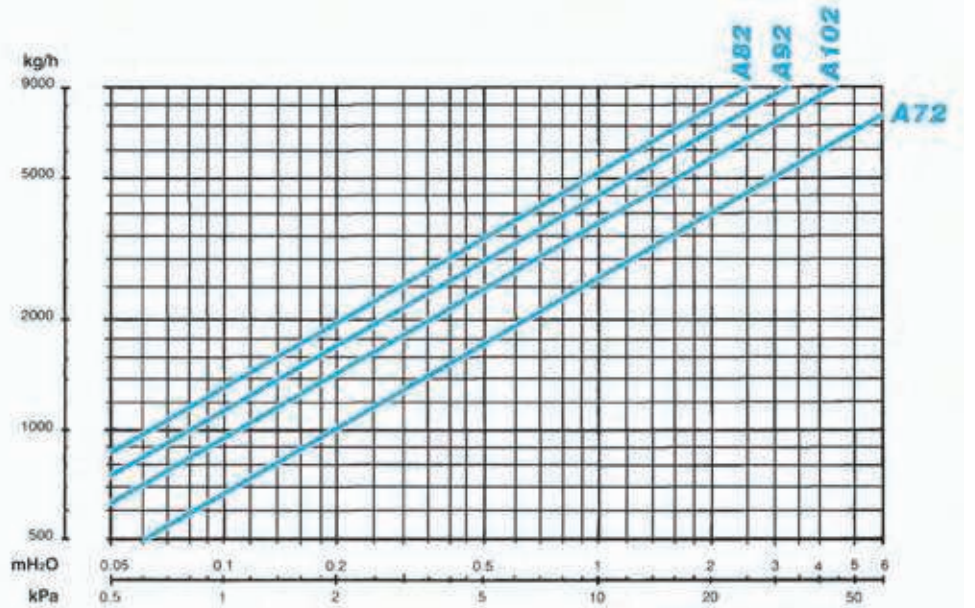
CORRECTION FACTORS FOR DIFFERENT TEMPERATURES

°C	K
50	1.15
60	1.10
70	1.05
90	0.95
100	0.89
110	0.83
120	0.78
130	0.72
140	0.67
150	0.61

1 row



2 rows



3 rows

