

## GHFM CENTRIFUGAL PUMP



### Installation And Use

The GHFm series, from the points of view of both performance and mechanical dimensions, has been expressly designed for use in the civil, agricultural and industrial field. Due to the high yields reached and the possibility of continuous duty, it is recommended to use for irrigation with following and sprinkling water, drawing water from lakes, rivers, wells and etc. The pumps should be installed in enclosed environment, or at least sheltered from inclement weather.



Flow rate up to  
**600L/min (30 m<sup>3</sup>/h)**

Head up to  
**20 m**

Liquid Type: Clean water  
Typology: Surface  
Family: Centrifugal

### Application Limits

Manometric suction lift up to 7 m  
Liquid temperature up to +40°C  
Ambient temperature up to +40°C

### Construction

Pump Body: Cast iron  
Impeller: Brass with centrifugal radial flow type.  
Motor Shaft: 304 stainless steel shaft.  
Mechanical Seal: Ceramic - graphite.  
Electric Motor: GHFm: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding. GHF: three-phase 380/400V-50Hz.  
Insulation: Class B.  
Protection: IP 44.



\*: Version K1

Model		Power		Max head	Max. flow		Size	Suct. Max.	N/W(kg)		Q (m <sup>3</sup> /h)	0	3	6	9	12	15	18	21	24	26	30	
Single-phase	Three-phase	kW	HP	m	L/min	m <sup>3</sup> /h	Inch	m	Single-phase	Three-phase	Q (L/min)	0	50	100	150	200	250	300	350	400	433.3	500	
NGAm1B		0.55	0.75	18	200	12	1 1/2" x 1 1/2"	7	11.7		18	13.4	11.9	9.9	7.5	-	-	-	-	-	-	-	-
NGAm1A		0.75	1	20	200	12	1 1/2" x 1 1/2"	7	12.5		20	17.8	15.7	14	11.2	-	-	-	-	-	-	-	-
NGAm1BR		0.55	0.75	18	200	12	1 1/4" x 1 1/4"	7	11.7		18	13.4	11.9	9.9	7.5	-	-	-	-	-	-	-	-
NGAm1AR		0.75	1	20	200	12	1 1/4" x 1 1/4"	7	12.5		20	17.8	15.7	14	11.2	-	-	-	-	-	-	-	-
GHFm5C	GHF5C	0.55	0.75	11	417	25	2" x 2"	7	14.5	13.3	11	10.5	10.4	10.2	10	9.3	8.3	7.2	5.8	-	-	-	-
GHFm5B	GHF5B	0.75	1	14	417	25	2" x 2"	7	14.6	15.9	14	12.6	12.4	12.1	11.5	10.6	9.1	8	6.6	-	-	-	-
GHFm5A	GHF5A	1.1	1.5	16	417	25	2" x 2"	7	15.5	14.8	16	14.2	12.8	12.7	12.1	11.1	9.5	8.4	7	-	-	-	-
GHFm5BM	GHF5BM	1.1	1.5	18	500	30	2" x 2"	7	22	19.3	18	16.7	15	14.9	14.5	13.9	13	11.6	9.8	8.6	7.1	-	-
GHFm5AM	GHF5AM	1.5	2	20	500	30	2" x 2"	7	21	20.8	20	18.4	17	16.9	16.4	15.8	14.5	13.1	11.2	10.1	8.7	-	-

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Flow rate up to  
**1250L/min (75 m<sup>3</sup>/h)**

Head up to  
**25 m**

Liquid Type: Clean water  
Typology: Surface  
Family: Centrifugal

### Application Limits

Manometric suction lift up to 8 m  
Liquid temperature up to +40°C  
Ambient temperature up to +40°C

### Construction

Pump Body: Cast iron  
Impeller: Brass or cast iron.  
Motor Shaft: 304 stainless steel shaft.  
Mechanical Seal: Ceramic - graphite.  
Electric Motor: GHFm: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding. GHF: three-phase 380/400V-50Hz.  
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Model		Power		Max head	Max. flow		Size	Suct. Max.	N/W(kg)		Q (m <sup>3</sup> /h)	0	12	18	30	42	48	54	60	66	72	
Single-phase	Three-phase	kW	HP	m	L/min	m <sup>3</sup> /h	Inch	m	Single-phase	Three-phase	Q (L/min)	0	200	300	500	700	800	900	1000	1100	1200	
GHFm6C	GHF6C	1.1	1.5	12.1	917	55	3" x 3"	8	26.5	26.5	12.1	11.6	11.2	9.7	7.2	5.6	3.5	-	-	-	-	-
GHFm6B	GHF6B	1.5	2	15	1200	60	3" x 3"	8	27.5	27.5	15	13.8	12.6	10.4	7.7	6.1	4.4	2.8	-	-	-	-
GHFm6A	GHF6A	2.2	3	18.5	1100	66	3" x 3"	8	34.5	34	18.5	16.2	15	13.6	11	9	7.2	6.2	4.4	-	-	-
GHFm6CR	GHF6CR	1.1	1.5	12.1	917	55	4" x 4"	8	30	30	12.1	11.6	11.2	9.7	7.2	5.6	3.5	-	-	-	-	-
GHFm6BR	GHF6BR	1.5	2	15	1200	60	4" x 4"	8	30.5	30.5	15	13.8	12.6	10.4	7.7	6.1	4.4	2.8	-	-	-	-
GHFm6AR	GHF6AR	2.2	3	18.5	1100	66	4" x 4"	8	36.5	36.5	18.5	16.2	15	13.6	11	9	7.2	6.2	4.4	-	-	-
GHFm7B	GHF7B	3	4	20	1250	75	3" x 3"	7	34	34	20	19.5	19.1	17.9	15	13	10.5	7.5	5.8	3.9	-	-
GHFm7BR	GHF7BR	3	4	20	1250	75	4" x 4"	7	37.5	35.5	20	19.5	19.1	17.9	15	13	10.5	7.5	5.8	3.9	-	-
GHFm7AR	GHF7AR	4	5.5	25	1250	75	4" x 4"	7	39	37.5	25	24.2	23.6	21.8	19.7	16.2	13.9	11.8	9.6	6.8	-	-