

GFM STANDARD CENTRIFUGAL PUMP

Installation And Use

They are recommended for pumping clean water without abrasive particles, and liquids that are chemically non aggressive for the materials of which the pump is made. This series can be used to supply and move water in cooling, heating, circulating and conditioning systems, as well as fire fighting, irrigation, civil, industrial and agricultural applications. The realisation according to standard EN733- DIN24255 ensure that the dimensions comply with those standards. The constructive from allows the pump body moved without disconnecting it from the pipes. The pumps should be installed in enclosed environment, or at least sheltered from inclement weather.

Flow rate up to **10000 L/min (600 m³/h)** Head up to **151 m**

Liquid Type: Clean water
Typology: Surface
Family: Centrifugal

Application Limits

Manometric suction lift up to 7 m
Liquid temperature up to + 90 °C
Ambient temperature up to + 40 °C
Max. withstand pressure 16 bar

Construction

Pump Body: Cast iron, dimensions according to standards EN733- DIN24255 and UNI 7467- NF E- 44- 111, with flanged suction and delivery inlets and threaded steel counter flanges.
Impeller: Stainless steel or cast iron.
Motor Shaft: stainless steel
Mechanical Seal: Ceramic- graphite.
Electric Motor: GFM: Single- phase 230V- 50Hz with condenser and thermal overload protector built into the copper winding. GF: Three- phase 380/ 400V- 50Hz.
Insulation: Class F.
Protection: IP 55.



*: "****" Stainless steel impeller

*: Round iron bracket for above 22kW, Square aluminum bracket for below 22kW

Model	Power	Max head	Max. flow	Size	Suct. Max.	N/W	Rated speed	Q (m ³ /h)	Q (L/min)							
									0	6	9	15	18	24	27	
Single-phase	Three-phase	kW	HP	m	m ³ /h	DN	m	kg	rpm	0	100	150	250	300	400	450
GFm32-125B*	GF32-125B*	0.75	1	17.5	18	50*32	7	24	2900	17.5	16.7	15	12	9	-	-
GFm32-125A*	GF32-125A*	1.1	1.5	22	24	50*32	7	25	2900	22	21	19.7	16.5	14.5	9	-
GFm32-160C*	GF32-160C*	1.5	2	25.4	18	50*32	7	35	2900	25.4	23.7	22.5	18.5	15.8	-	-
GFm32-160B*	GF32-160B*	2.2	3	31	24	50*32	7	37	2900	31	29.6	28.5	24.5	22	15	-
GFm32-160A*	GF32-160A*	3	4	35	27	50*32	7	41	2900	35	34.3	32.5	28	25.5	19	15
	GF32-200D*	3	4	44.2	27	50*32	7	51	2900	44.2	42	39.8	35.2	32.2	24.6	19.8
	GF32-200C*	4	5.5	54.5	27	50*32	7	57.5	2900	54.5	52	50	45.5	42.3	35	30.3
	GF32-200B*	5.5	7.5	53	24	50*32	7	94	2900	60	59.5	59	55	50.2	34.5	-
	GF32-200A*	7.5	10	61	24	50*32	7	97	2900	69.5	69	68.5	66	63	53	-
	GF32-250C*	9.2	12.5	75	24	50*32	7	117	2900	75	75	74.5	72	69	59	-
	GF32-250B*	11	15	90	24	50*32	7	132	2900	90	89.5	88	82	78	66	-
	GF32-250A*	15	20	97	24	50*32	7	138	2900	97	96.5	96	90	86	73	-

Model	Power	Max head	Max. flow	Size	Suct. Max.	N/W	Rated speed	Q (m ³ /h)	Q (L/min)							
									0	18	24	27	36	42	48	
Single-phase	Three-phase	kW	HP	m	m ³ /h	DN	m	kg	rpm	0	300	400	450	600	700	800
GFm40-125C	GF40-125C	1.1	1.5	14.7	36	65*40	7	36	2900	14.7	13	11.5	10.1	5.8	-	-
GFm40-125B	GF40-125B	1.5	2	18.1	42	65*40	7	38	2900	18.1	17	15	13.9	10	6	-
GFm40-125A	GF40-125A	2.2	3	24.5	48	65*40	7	40	2900	24.5	23.2	21.5	20.2	16	13	8.3
GFm40-160B	GF40-160B	3	4	31.8	42	65*40	7	47	2900	31.8	29.5	27.5	26.3	21.5	17.5	-
	GF40-160A	4	5.5	38	48	65*40	7	49	2900	38	36	34	33	28.5	25	20.1
	GF40-200B*	5.5	7.5	46	42	65*40	7	64	2900	46	43.8	41.3	40.1	35	30	-
	GF40-200A*	7.5	10	57	48	65*40	7	69	2900	57	53.6	51.5	50	45	41	36.5
	GF40-250D	9.2	12.5	64	48	65*40	7	117	2900	64	59	56.5	55	49.5	45	39.8
	GF40-250C	11	15	72	48	65*40	7	132	2900	72	67.5	65	63.5	57.5	52.2	47
	GF40-250B	15	20	84.5	48	65*40	7	138	2900	84.5	79.3	77.3	75.2	70	66	61
	GF40-250A	18.5	25	90	48	65*40	7	156	2900	90	85.5	82.8	80.7	75.8	70.5	66.5