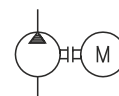




Illustration shows example

Gear-type pump unit

GFM-F
GFM-G



Technical data:

Volume flow: 0,06 ... 1,00 l/min
(see order designation)

Medium: Mineral oil¹⁾

Operating viscosity: 110 ... 1500 mm²/s¹⁾

Operating pressure: (see chart 1)

Medium temperature: -20 ... +80 °C

Ambient temperature: -20 ... +40 °C

Permissible negative pressure: -0,3 bar

Weight: GFM-F = 6,3 kg
PFM-F = 1,3 kg
GFM-G = 8,6 kg
PFM-G = 1,6 kg

Materials

Sealing material: FPM
Materials of the parts
in contact with the media: Cast iron,
steel

– The volume flow depends on the medium viscosity, the operating pressure and the number of revolutions of the pump.

¹⁾ For the use of other media please check back.

GFM-F

Technical data motor:

Assembly group: BG63
Type: DIN EN 60034-7 IM 2101 (B34)
Flange: DIN EN 50347 FT 75 (C 90)

Electrical data motor:

Voltage
at 50 Hz D/Y: 220 ... 240/380 ... 420 V
at 60 Hz Y: 440 ... 480 V
Current
at 50 Hz D/Y: 1,07/0,62 A
at 60 Hz Y: 0,60 A
Power
at 50 Hz: 0,18 kW
at 60 Hz: 0,21 kW
Speed of rotation
at 50 Hz: 1385 min⁻¹
at 60 Hz: 1685 min⁻¹
Protection class: DIN EN 60529 IP55
Insulation class: F

Other motors on request.

GFM-G

Technical data motor:

Assembly group: BG71
Type: DIN EN 60034-7 IM 2101 (B34)
Flange: DIN EN 50347 FT 85 (C 105)

Electrical data motor:

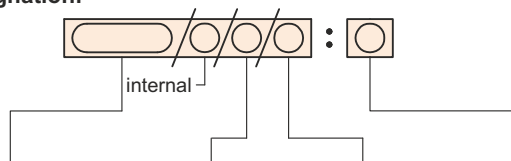
Voltage
at 50 Hz D/Y: 220 ... 240/380 ... 420 V
at 60 Hz Y: 440 ... 480 V
Current
at 50 Hz D/Y: 1,77/1,02 A
at 60 Hz Y: 1,04 A
Power
at 50 Hz: 0,37 kW
at 60 Hz: 0,43 kW
Speed of rotation
at 50 Hz: 1380 min⁻¹
at 60 Hz: 1680 min⁻¹
Protection class: DIN EN 60529 IP55
Insulation class: F



Chart 1

Pump unit		Volume flow l/min	max. adm. de- livery pressure		Motor
with motor	without motor		GFM bar	PFM bar	
GFM-F	PFM-F	0,06	60	60	Assembly group: 63 Nominal speed: 1500 min ⁻¹ Rated power: 0,18 kW Type: B34 Flange: C90
		0,12	60		
		0,18	60		
		0,25	60		
		0,50	60		
		0,75	40		
		1,00	30		
GFM-G	PFM-G	0,06	60	60	Assembly group: 71 Nominal speed: 1500 min ⁻¹ Rated power: 0,37 kW Type: B34 Flange: C105
		0,12	60		
		0,18	60		
		0,25	60		
		0,50	60		
		0,75	60		
		1,00	60		

Order designation:



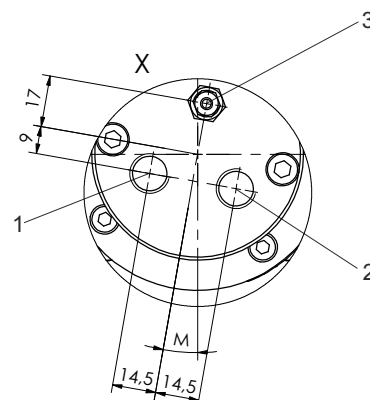
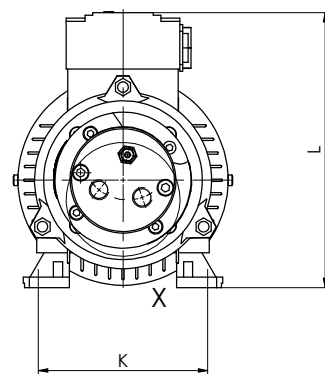
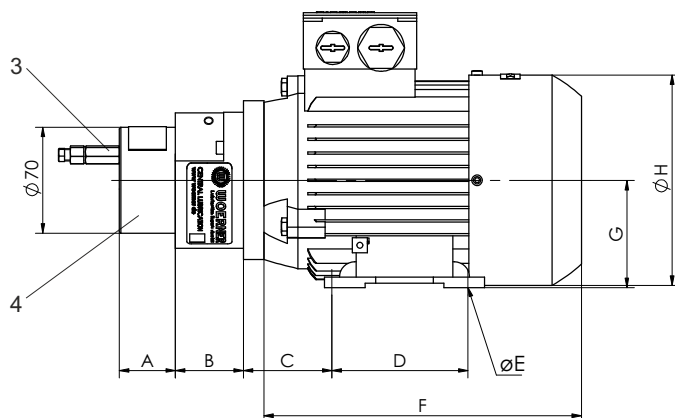
Type		Volume flow l/min	Sealing material	Motor	Spare parts		
with motor	without motor				Order no. gear-type pump Sealing material FPM	Coupling for	Order no.
GFM-F	PFM-F	0,06	FPM ⓧ	230/400 V 50 Hz IP55	351.013-65 351.014-65 351.015-65 351.016-65 351.017-65 351.018-65 351.019-65	GFM-F PFM-F	520.110-65
		0,12					
		0,18					
		0,25					
		0,50					
		0,75					
		1,00					
GFM-G	PFM-G	0,06		Special motor on request	351.013-65 351.014-65 351.015-65 351.016-65 351.017-65 351.018-65 351.019-65	GFM-G PFM-G	520.120-65
		0,12					
		0,18					
		0,25					
		0,50					
		0,75					
		1,00					

Order example:

Gear-type pump unit GFM-F, delivery volume 0,18 l/min, sealing material FPM, voltage 230/400 V, frequency 50 Hz, protection class IP55.

Order designation:

GFM-F / 00 / 0,18 / V
230/400 V 50 Hz IP55



- 1 = Connection for pressure line G 1/4
2 = Connection for suction line G 1/4
3 = Pressure limiting valve connection M8x1
(fitting pressure limiting valve: HDV
see data sheet P0054)
4 = Gear-type pump
(details see data sheet P0398)

Pump unit	Volume flow l/min	Dimensions										
		A mm	B mm	C mm	D mm	øE mm	F mm	G mm	øH mm	K mm	L mm	M
GFM-F	0,06	37	45	40	80	7	205,5	63	118	100	164	0°
	0,12	37										
	0,18	37										
	0,25	37										
	0,50	40										
	0,75	45										
	1,00	45										
GFM-G	0,06	37	58,5	45	90	7	210	71	139	112	182	10°
	0,12	37										
	0,18	37										
	0,25	37										
	0,50	40										
	0,75	45										
	1,00	45										

Technical documents also valid for this product:

B0112 EN Operating instruction GFZ/GFM/GEZ

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- Subject to modifications -