

GTx

Easy Power for All Jobs

GVMS (G/L) SERIES

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



50HZ



美国能源之星



美国UL认证



美国ETL认证



加拿大CSA认证



欧盟CE认证



德国TUV认证



德国TUV-GS认证



欧盟RoHS认证



澳洲SAA认证



CNAS认证

Application

Application	GVMSL	GVMMSG	GVMS
Water supply			
Filtration and transfer at waterworks	•	•	•
Distribution from waterworks	•	•	•
Pressure boosting in mains	•	•	•
Pressure boosting in high-rise buildings,hotels,etc.	•	•	•
Pressure boosting for industrial water supply	•	•	•
Industry			
Pressure boosting	•	•	•
Process water systems	•	•	•
Washing and cleaning systems	•	•	•
Vehicle washing tunnels	•	•	•
Fire fighting systems	•	•	•
Liquid transfer			
Cooling and air-conditioning systems(refrigerants)	•	•	•
Boiler feed and condensate systems	•	•	•
Machine tools (cooling lubricants)	•	•	•
Aquafarming	•	•	•
Transfer			
Oil and alcohol	•	•	•
Glycol and coolants	•	•	•
Water treatment			
Ultra-filtration systems	•	○	•
Reverse osmosis systems	•	○	•
Softening, ionising, demineralizing systems	•	○	•
Distillation systems	•	○	•
Separators	•	○	•
Swimming baths	•	•	•
Irrigation			
Field irrigation(flooding)	•	•	•
Sprinkler irrigation	•	•	•
Drip-feed irrigation	•	•	•

- Recommended pump model
- Option pump model

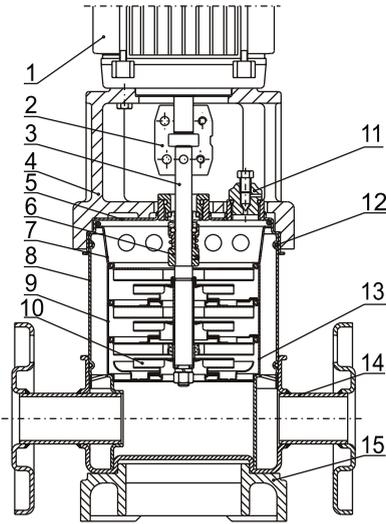
Product rang

Range	GVMSG 1 GVMSL 1 GVMS 1	GVMSG 2 GVMSL 2 GVMS 2	GVMSG 3 GVMSL 3 GVMS 3	GVMSG 4 GVMSL 4 GVMS 4	GVMSG 5 GVMSL 5 GVMS 5	GVMSG 10 GVMSL 10 GVMS 10	GVMSG 15 GVMSL 15 GVMS 15	GVMSG 20 GVMSL 20 GVMS 20	GVMSG 32 GVMSL 32	GVMSG 45 GVMSL 45	GVMSG 64 GVMSL 64	GVMSG 90 GVMSL 90
Rated Flow [m³/h]	1	2	3	4	5	10	15	20	32	45	64	90
Temperature range [°C]	-20~+104											
Temperature on range [°C]	-40~+180											
Max Efficiency [%]	44	45	56	58	65	66	68	69	77	78	80	81
GVMSG GVMSG pump												
Flow range [m³/h]	0.7-2.4	1-3.2	1.2-4.5	2-4.8	2.5-8	5-13	9-24	10-29	14-40	20-56	30-85	40-110
Max Pressure [bar]	22	25	24	25	24	23	24	25	26	33	23	20
High Pressure on request [bar]	47	47	47	47	47	47	47	47	39	40	39	39
Motor power [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.37-5.5	0.37-7.5	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45
Material type												
GVMSG Cast iron, S.S EN1.4301 / AISI 304 EN1.4401 / AISI 316	●	●	●	●	●	●	●	●	●	●	●	●
GVMSL, GVMS S.S EN1.4301 / AISI 304 EN1.4401 / AISI 316	●	●	●	●	●	●	●	●	●	●	●	●
GVMSG GVMSG pump pipe connection												
Flange	DN25 DN32	DN25 DN32	DN25 DN32	DN25 DN32	DN25 DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Flange on request	-	-	-	-	-	DN50	-	-	-	-	-	-
GVMSL / GVMS GVMSL / GVMS pump pipe connection												
Column pipe thread	G1 G1¼	G1 G1¼	G1 G1¼	G1 G1¼	G1 G1¼	G2	G2½	G2½	-	-	-	-
Column pipe thread on request	G1½	G1½	G1½	G1½	G1½	-	G2	G2	-	-	-	-
Flange	DN25 DN32	DN25 DN32	DN25 DN32	DN25 DN32	DN25 DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
Flange on request	-	-	-	-	-	DN50	-	-	-	-	-	-
Cutting ferrule joint [PJE]	G1¼ DN32	G1¼ DN32	G1¼ DN32	G1¼ DN32	G1¼ DN32	G2 DN50	G2 DN50	G2 DN50	-	-	-	-

★NPT thread are on request

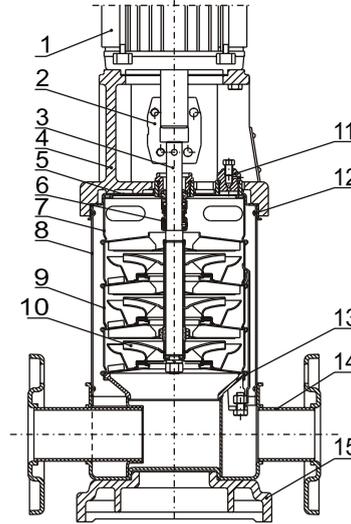
GVMS 1,2,3,4,5

Sectional drawing



GVMS 10,15,20

Sectional drawing



GVMS

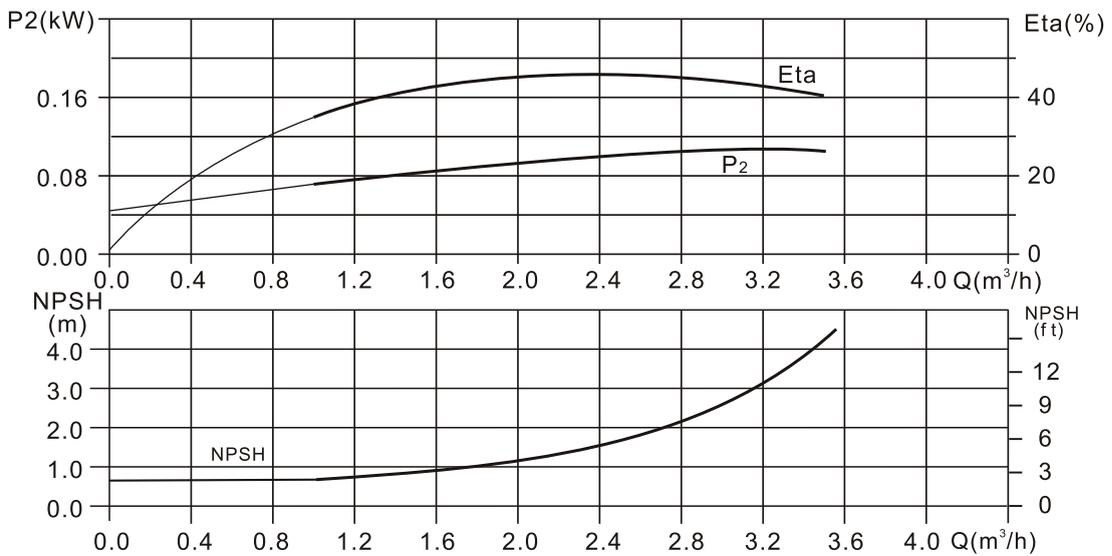
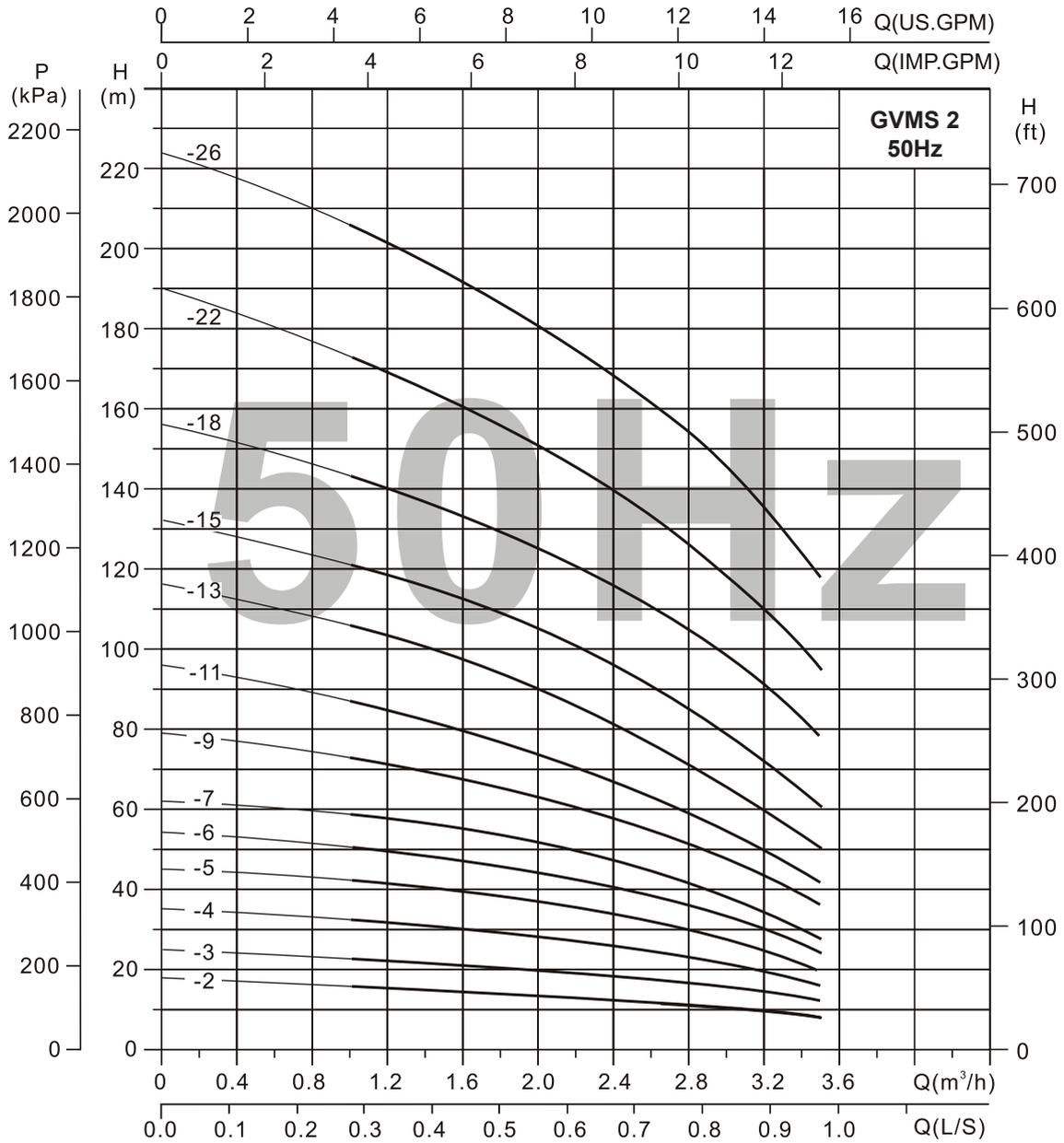
Material GVMS

No.	Description	Material	EN/DIN	AISI/ASTM
1	Motor			
2	Shaft connector			
3	shaft	S.S	1.4057	AISI431
4	Pump head	Cast iron	EN-JL1030	ASTM25B
5	Pump cover	S.S	1.4301 1.4401	AISI304 AISI316
6	Machanical seal			
7	Outlet	S.S	1.4301 1.4401	AISI304 AISI316
8	Outlet sleeve	S.S	1.4301 1.4401	AISI304 AISI316
9	Hydraulic stack	S.S	1.4301 1.4401	AISI304 AISI316
10	Impeller	S.S	1.4301 1.4401	AISI304 AISI316
11	Exhaust valve	S.S	1.4301 1.4401	AISI304 AISI316
12	O-ring	S.S		
13	Inlet	EPDM/FKM	1.4301 1.4401	AISI304 AISI316
14	Pump body	S.S	1.4301 1.4401	AISI304 AISI316
15	Bottom base	Cast iron	EN-JL1030	ASTM25B

GVMS

Material GVMS

No.	Description	Material	EN/DIN	AISI/ASTM
1	Motor			
2	Shaft connector			
3	Shaft	S.S	1.4057	AISI431
4	Motor base	Cast iron	EN-JL1030	ASTM25B
5	Pump cover	S.S	1.4301 1.4401	AISI304 AISI316
6	Mechanical seal			
7	Outlet	S.S	1.4301 1.4401	AISI304 AISI316
8	Outer sleeve	S.S	1.4301 1.4401	AISI304 AISI316
9	Medium diffuser	S.S	1.4301 1.4401	AISI304 AISI316
10	Impeller	S.S	1.4301 1.4401	AISI304 AISI316
11	Exhaust valve	S.S	1.4301 1.4401	AISI304 AISI316
12	O-ring	S.S		
13	Fixed cover	EPDM/FKM	1.4301 1.4401	AISI304 AISI316
14	Pump body	S.S	1.4301 1.4401	AISI304 AISI316
15	Bottom base	Cast iron	EN-JL1030	ASTM25B

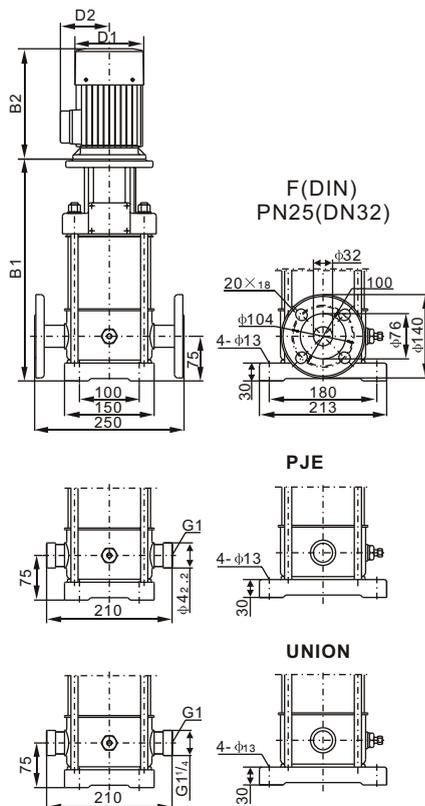


Performance table

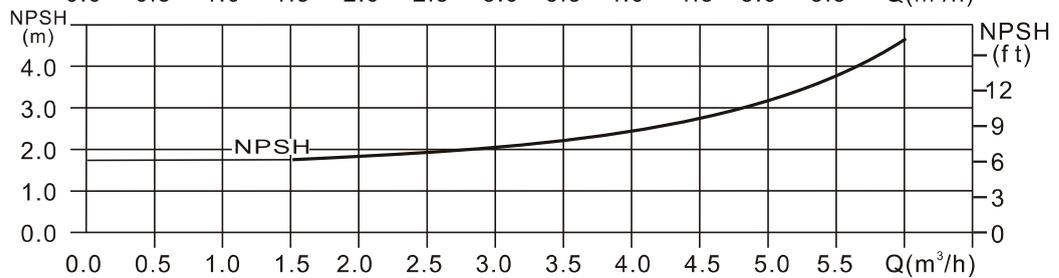
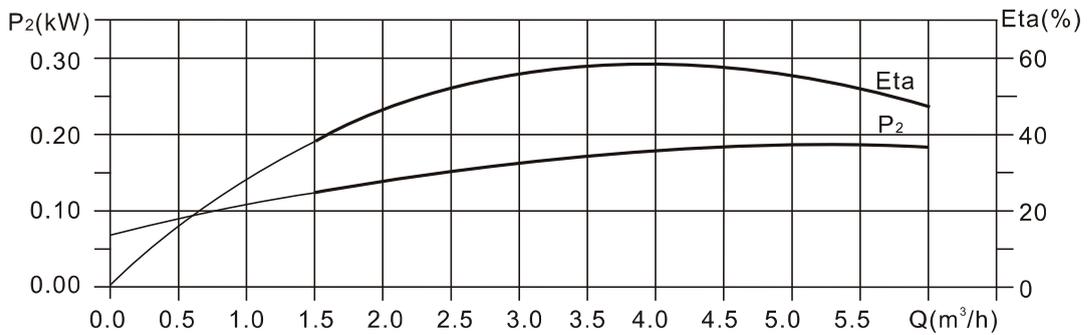
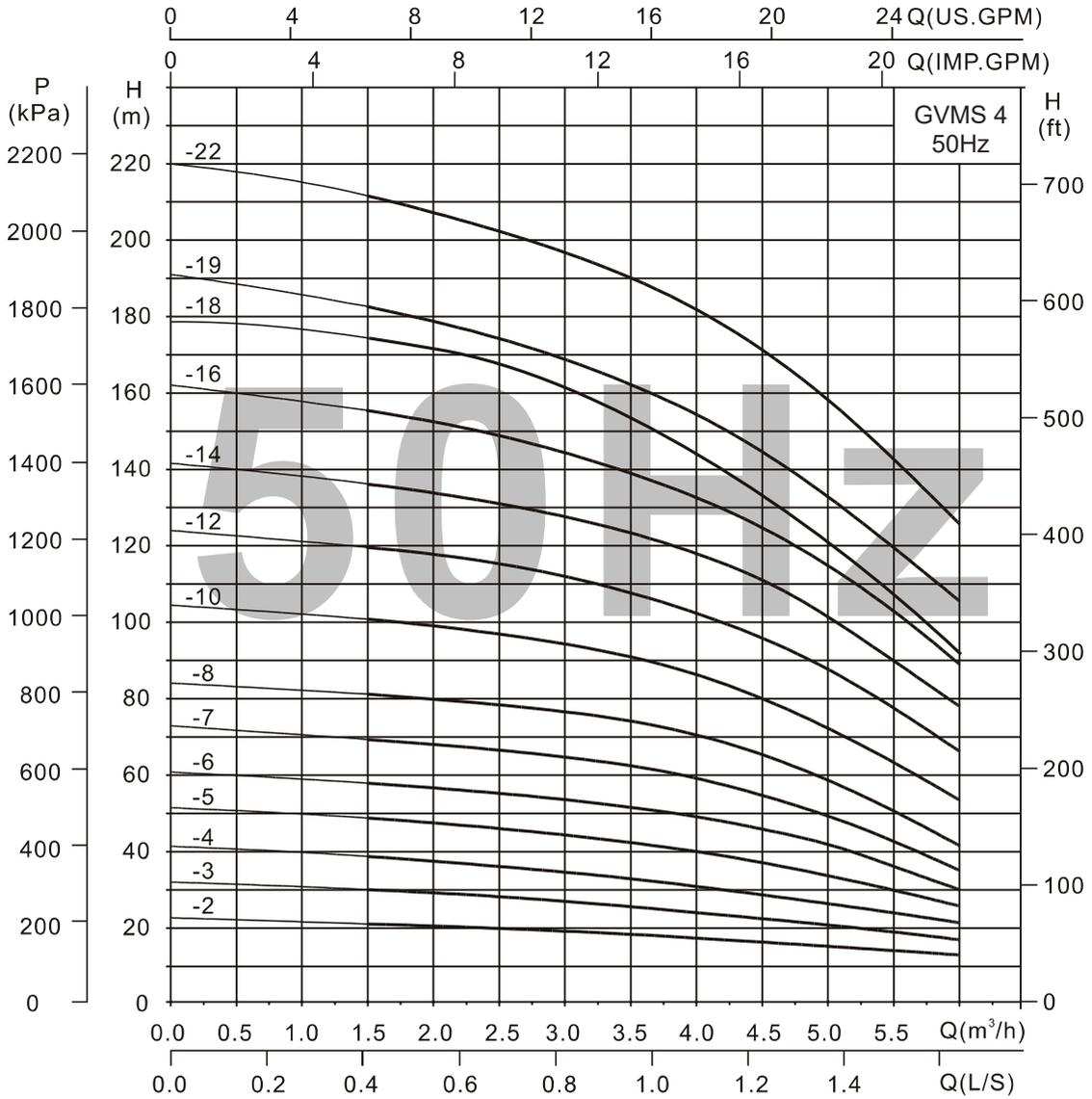
Model	Power P ₂ (kW)	Q (m ³ /h)	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
GVMS2-2	0.37	H (m)	16	15.5	14.5	14	12.5	11	9.5	8
GVMS2-3	0.37		23	22.5	21	20	18.5	16	14	12
GVMS2-4	0.55		32	31	30	28	26	23	20	16
GVMS2-5	0.55		42.5	42	40	37	34.5	30	25	20
GVMS2-6	0.75		51	50	47	44	41	36	30	24
GVMS2-7	0.75		59	57	55	52	47	41	35	28
GVMS2-9	1.1		72	71	67	63	58	51	44	36
GVMS2-11	1.1		87	85	80	74	67	59	50	42
GVMS2-13	1.5		106	104	99	90	81	71	60	51
GVMS2-15	1.5		121	119	112	105	96	85	72	61
GVMS2-18	2.2		143	139	133	125	116	105	91	78
GVMS2-22	2.2		173	169	162	152	140	126	110	95
GVMS2-26	3.0		206	201	191	180	170	155	133	118

Installation sketch

Dimensions and weights



Model	Dimensions (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
GVMS2-2	272	205	477	133	126	20
GVMS2-3	290	205	495	133	126	20
GVMS2-4	308	205	513	133	126	22
GVMS2-5	326	205	531	133	126	22
GVMS2-6	344	205	549	133	126	24
GVMS2-7	362	205	567	133	126	24
GVMS2-9	406	241	647	154	134	26
GVMS2-11	442	241	683	154	134	26
GVMS2-13	488	296	784	170	116	28
GVMS2-15	524	296	820	170	116	28
GVMS2-18	560	296	856	170	116	34
GVMS2-22	632	296	928	170	116	37
GVMS2-26	704	296	1000	170	116	44

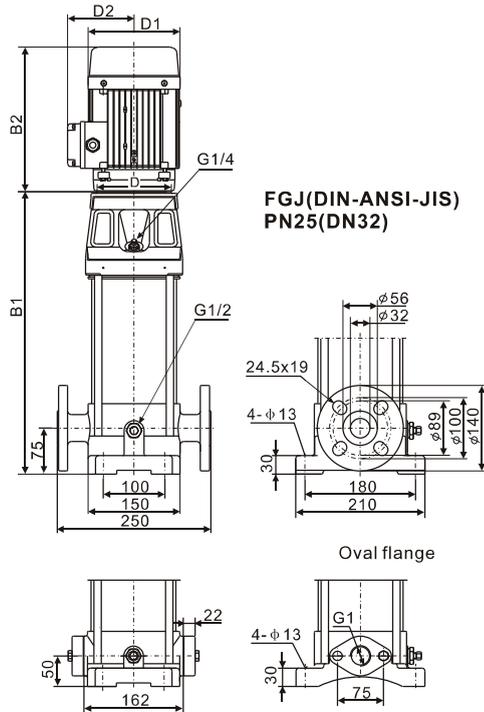


Performance table

Model	Power P2(kW)	Q (m ³ /h)	H (m)							
			1.0	2.0	3.0	4.0	4.5	5.0	5.5	6.0
GVMS 4-2	0.37	H (m)	21	20	18	16	15	14	13	12
GVMS 4-3	0.55		31	29.5	28	24	22	21	19	18
GVMS 4-4	0.75		40	38	35	31	29	27	24	22
GVMS 4-5	1.1		50	48	44	40	38	34	30	26
GVMS 4-6	1.1		59	57	53	49	45	41	36	30
GVMS 4-7	1.5		71	69	65	59	55	50	43	36
GVMS 4-8	1.5		76	74	71	65	60	56	51	42
GVMS 4-10	2.2		95	93	90	84	78	72	65	58
GVMS 4-12	2.2		115	110	105	98	91	84	76	68
GVMS 4-14	3.0		139	134	128	118	111	102	90	79
GVMS 4-16	3.0		158	153	145	134	126	116	103	89
GVMS 4-18	4.0		176	173	164	148	135	118	108	94
GVMS 4-19	4.0		186	180	170	155	145	133	117	98
GVMS 4-22	4.0		216	208	197	182	172	159	143	126

Installation sketch

Dimensions and weights



Model	Dimensions (mm)										Weight (kg)	
	single phase					Three phase						D
	B1	B2	B1+B2	D1	D2	B1	B2	B1+B2	D1	D2		
GVMS 4-2	254	207	461	134	124	254	207	461	134	112	107	24
GVMS 4-3	272	207	479	134	124	272	207	479	134	112	107	24
GVMS 4-4	290	207	497	134	124	290	207	497	134	112	107	25
GVMS 4-5	318	240	558	150	133	318	240	558	150	118	121	28
GVMS 4-6	336	240	576	150	133	336	240	576	150	118	121	32
GVMS 4-7	364	300	664	168	147	354	240	594	150	118	121	34
GVMS 4-8	382	300	682	168	147	372	240	612	150	118	121	36
GVMS 4-10	418	300	718	168	147	418	280	698	168	127	135	43
GVMS 4-12	454	300	754	168	147	454	280	734	168	127	135	45
GVMS 4-14	-	-	-	-	-	490	300	790	168	127	135	47
GVMS 4-16	-	-	-	-	-	526	300	826	168	127	135	48
GVMS 4-18	-	-	-	-	-	572	323	895	200	146	145	52
GVMS 4-19	-	-	-	-	-	590	323	913	200	146	145	55
GVMS 4-22	-	-	-	-	-	644	323	967	200	146	145	58

GVMS 4-16~GVMS 4-22
Oval flange is not available for GVMS 4-16-GVMS 4-22

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