



VA-MA[®]

various advanced manufacturing applications

TECHNICAL CATALOGUE

Stainless steel

(DWK)

MADE IN ITALY



DWK

Description & Applications:

The DWK Series is a high-performance single-stage stainless steel pump equipped with a semi-open impeller, specially engineered to deliver large flow capacity with stable and efficient operation.

All wetted components are manufactured from premium stainless steel AISI 304 or AISI 316, ensuring superior hygiene standards and maximum resistance to corrosion, making the pump suitable for demanding and sensitive applications. Designed for versatility and durability, the DWK Series is ideal for domestic, agricultural, industrial, and food processing applications. It is particularly suitable for handling liquids containing solid particles, viscous fluids, and for use in circulation systems and fluid transfer processes.

Reliable performance, robust construction, and hygienic design make the DWK Series an excellent choice for a wide range of pumping solutions.



Main Features:

- Flow rate up to 750 l/min
- Head up to 21.5 m
- Max water temperature up to 104 °c
- Ambient temperature up to 50 °c

Component Construction:

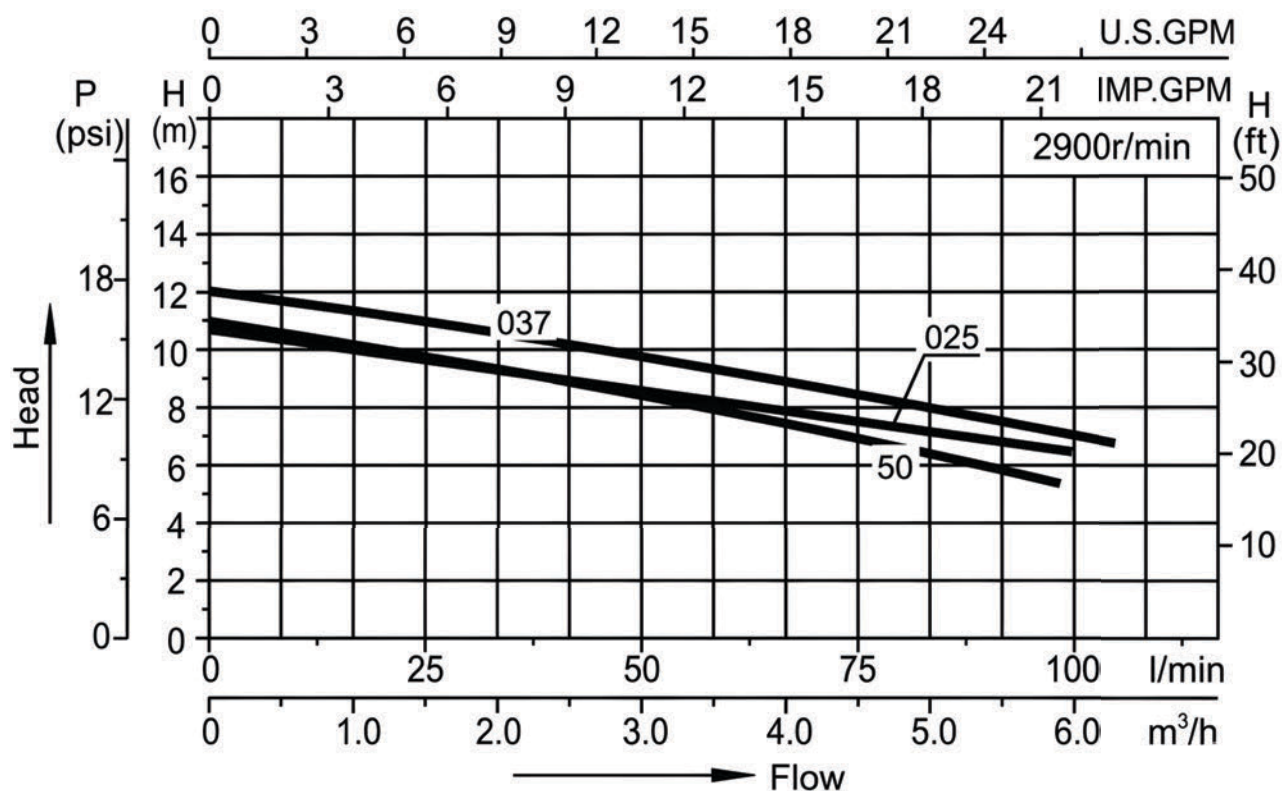
- Pump body : Stainless steel AISI 304 / 316
- Pump bracket : Aluminum
- Impeller : Stainless steel AISI 304 / 316
- Pump shaft : Stainless steel AISI 316
- Mechanical seal : Graphite / Silicon

Motor:

- Two-pole induction motor (n=2900 r.p.m)
- External cooling
- Insulation class F
- Protection degree IP55
- Single phase 220V/50Hz (Thermal protection)
- Three phase 380V/50Hz
- Continuous service S1

DWK 1

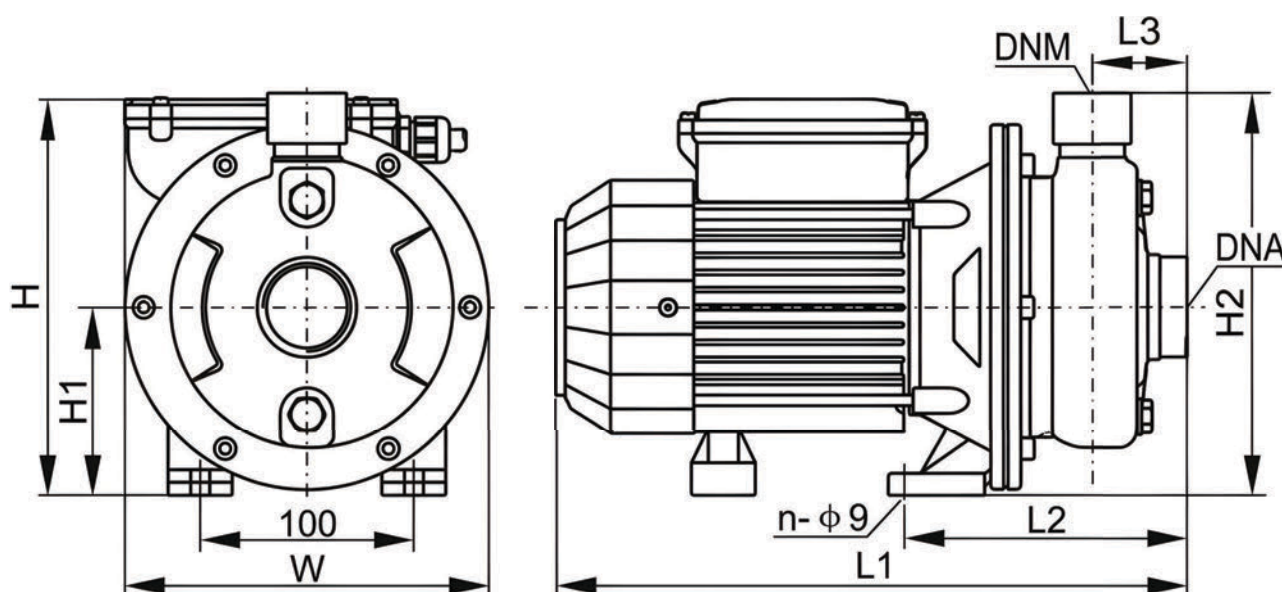
SPECIFICATIONS:



Type	P2		Ampere		Flow Rate (Q)							
			1~ 230V- 50Hz	3~ 380V- 50Hz	I/min	0	16	33	50	66	83	100
					m³/hr	0	1	2	3	4	5	6
	(KW)	(HP)			Head (H)							
DWK025(T)	0.25	0.3	2	0.7	m	10.5	10	9.5	8.5	8	7	-
DWK037(T)	0.37	0.5	2.4	1		12	11.5	10.5	9.7	9	8	7
DWK50(T)	0.37	0.5	2.4	1		11	10	9.5	8.5	7.5	6.5	-

DWK 1

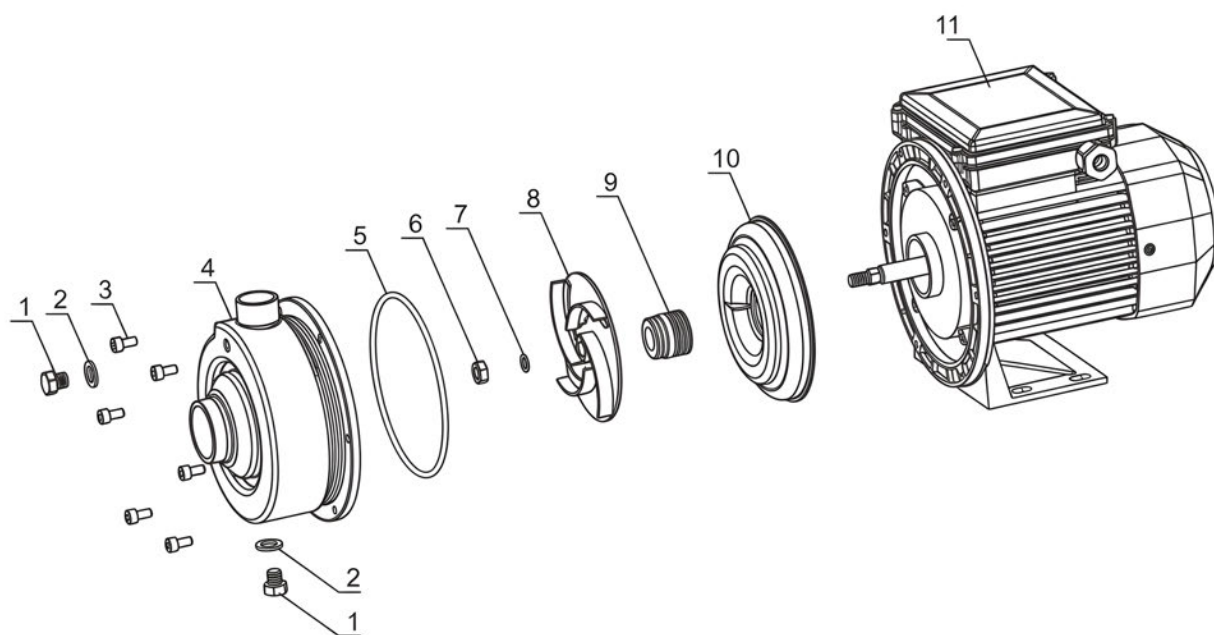
DIMENSIONS:



Model	Dimensions (mm)												
	L1	L2	L3	W		H1	H2	H		n	DNA	DNM	Weight (Kg)
				1~	3~			1~	3~				
DWK025(T)	267	120	52	170	166	84	190	181	177	4	G1¼	G1	6.3
DWK037(T)	267	120	52	170	166	84	190	181	177	4	G1¼	G1	6.5
DWK50(T)	298	130	45	172	171	88	188	185	181	2	G1¼	G1	6.5

DWK 1

EXPLODED VIEWS:

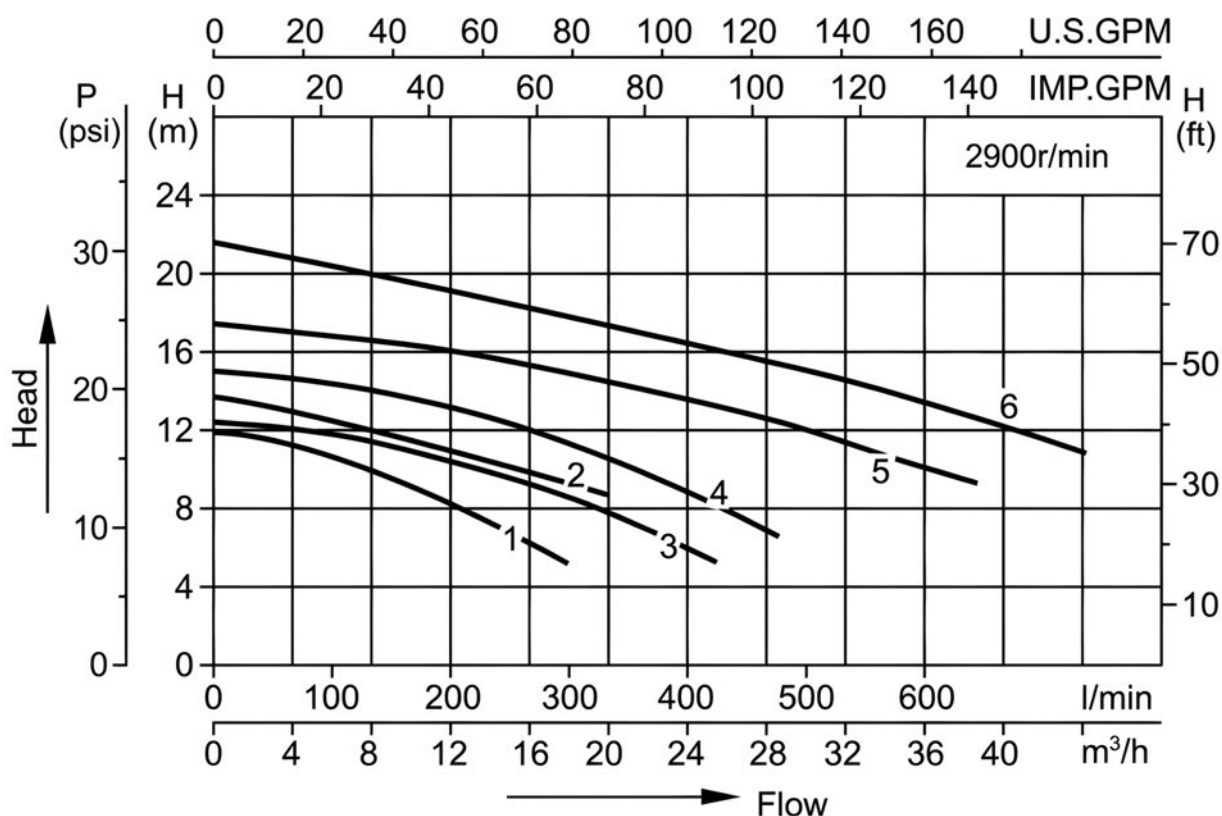


NO.	Part Name
1	Plug
2	Washer
3	Tied hexagonal bolt
4	Pump housing
5	O-Ring
6	Hexagonal nut

NO.	Part Name
7	Spring washer
8	Impeller
9	Mechanical seal
10	Pump cover
11	Motor

DWK 2

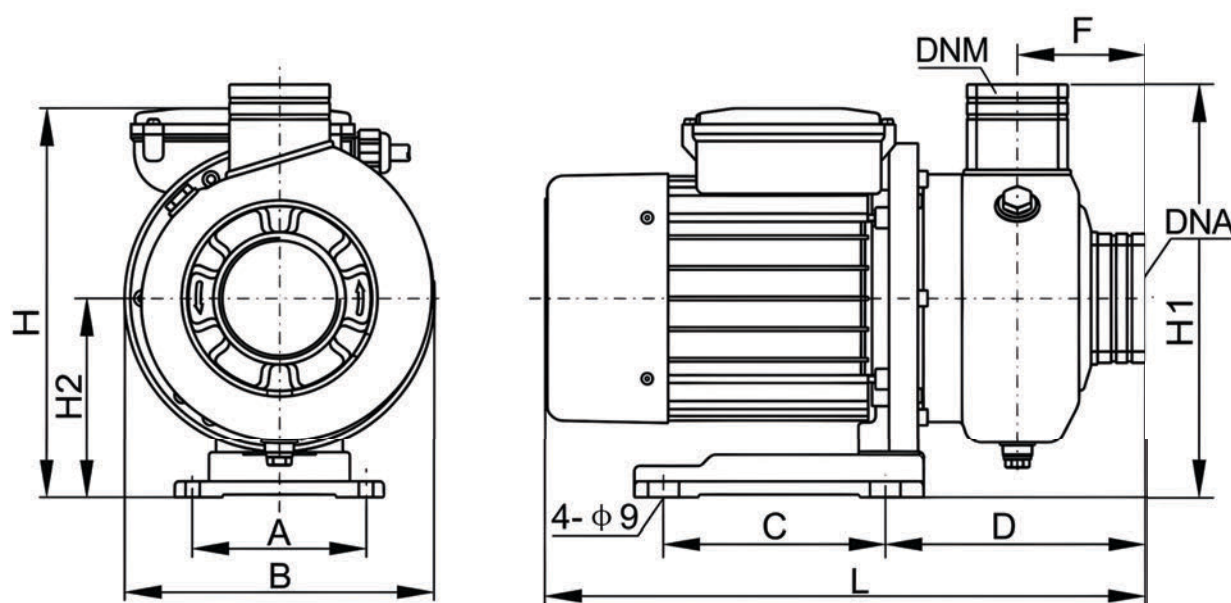
SPECIFICATIONS:



Type	P2		curve	Ampere		Flow Rate (Q)											
				1~	3~	l/min	0	66	133	200	266	333	400	466	533	600	666
	230V-	380V-		m³/hr	0	4	8	12	16	20	24	28	32	36	40		
	50Hz	50Hz		Head (H)													
DWK100(T)	0.75	1	1	5.2	1.8	m	12	11	10	8	6	-	-	-	-	-	
DWK120(T)	1	1.3	2	6.2	2.4		13.5	13	12	11	10	9	-	-	-	-	-
DWK150(T)	1.1	1.5	3	7	2.6		12.5	12	11.5	10.5	9	8	6	-	-	-	-
DWK200(T)	1.5	2	4	9.2	3.5		15	14.5	14	13	12	10.5	8.5	7	-	-	-
DWK300(T)	2.2	3	5	14	4.9		17.5	17	16.5	16	15	14	13.5	12.5	11.5	10	-
DWK400T	3	4	6	-	6.3		21.5	20.5	20	19	18	17	16.5	15.5	14.5	13.5	12

DWK 2

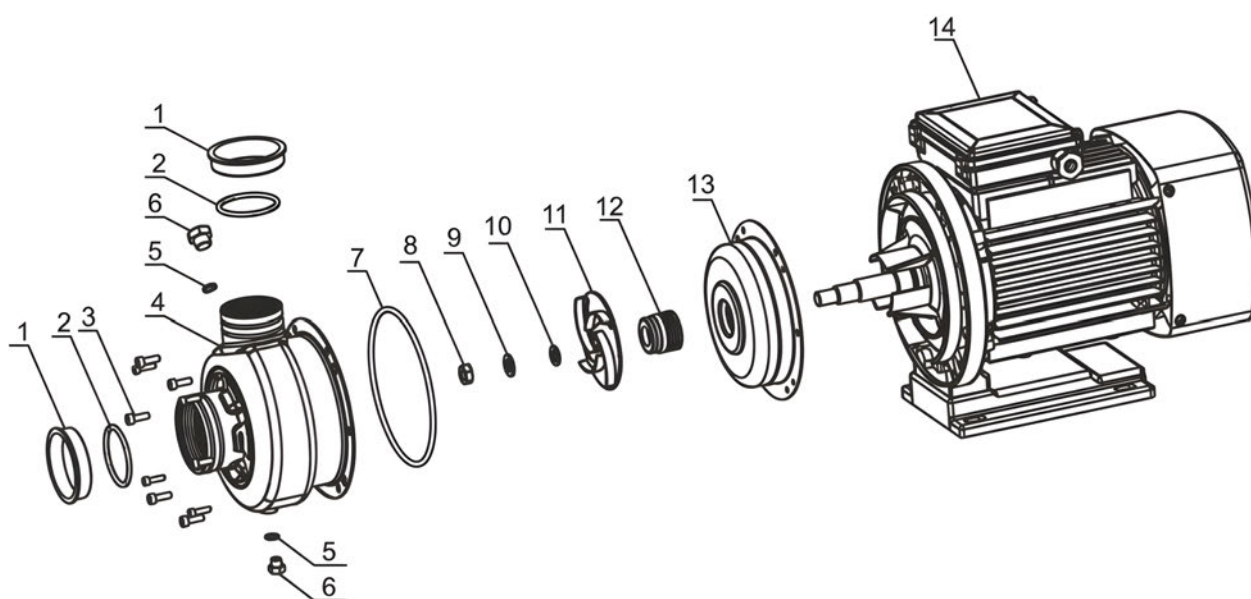
DIMENSIONS:



Model	Dimensions (mm)									DNA	DNM	Weight (Kg)
	A	B	C	D	F	L	H	H1	H2			
DWK100(T)	120	172	-	159	75	335	216	234	110	G1½	G1½	9.8
DWK120(T)	120	172	-	159	75	335	216	234	110	G1½	G1½	10.7
DWK150(T)	108	193	138	165	82	378	243	258	125	G2	G2	15.5
DWK200(T)	108	193	138	165	82	378	243	258	125	G2	G2	17.5
DWK300(T)	108	193	138	163	82	413	242	258	125	G2½	G2	21.5
DWK400T	108	193	138	163	82	430	242	258	125	G2½	G2	23.1

DWK 2

EXPLODED VIEWS:



NO.	Part Name
1	Dust cap
2	O-Ring
3	Tied hexagonal bolt
4	Pump housing
5	O-Ring
6	Plug
7	O-Ring

NO.	Part Name
8	Hexagonal nut
9	Washer
10	Spring washer
11	Impeller
12	Mechanical seal
13	Pump cover
14	Motor



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