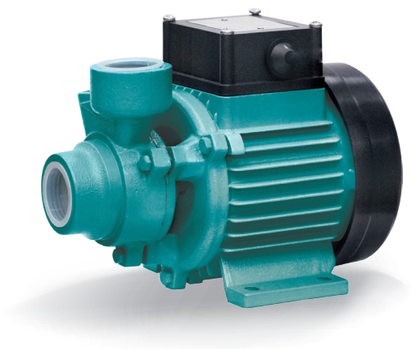
XKm
Peripheral Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +8 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

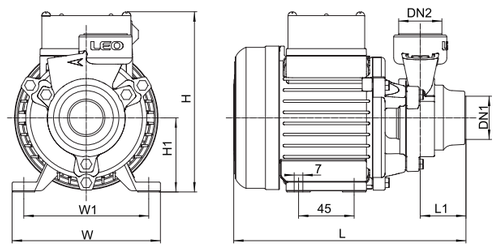
Identification Codes

XK m 50 - 1

- 1 — Improvement Code
- 50 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor
- XK — Peripheral Pump

Technical Data

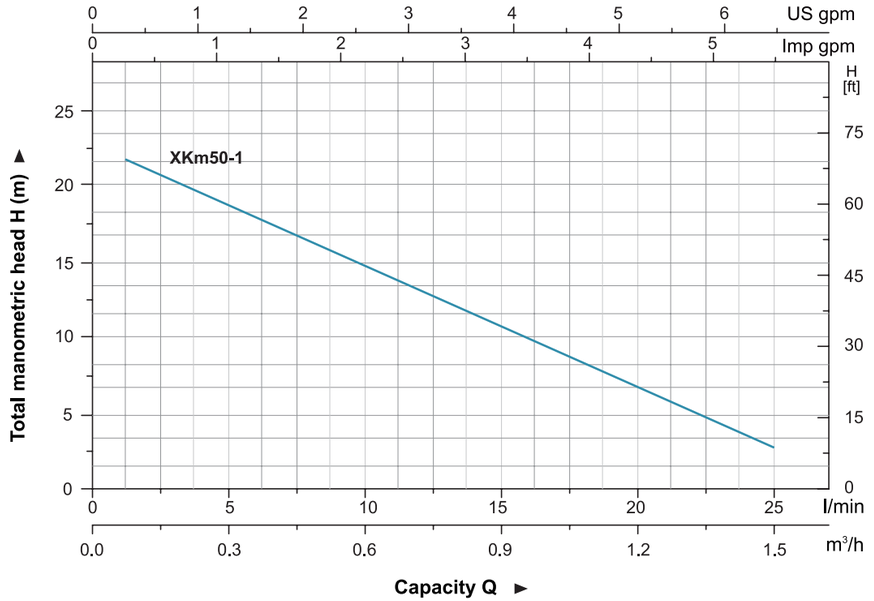
MODEL	POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5
	kW	HP	Q (l/min)	0	5	10	15	20	25
XKm50-1	0.11	0.15	**H (m)**	23	19	15	11	7	3



Dimension

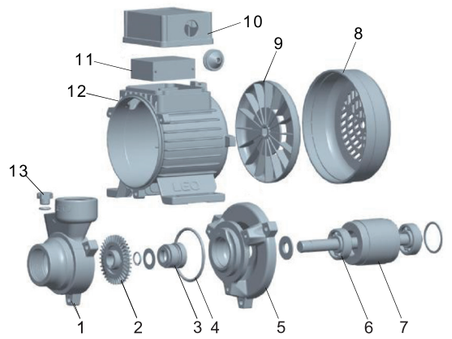
MODEL	DN1	DN2	L (mm)	L1 (mm)	H (mm)	H1 (mm)	W (mm)	W1 (mm)
XKm50-1	1"	1"	186.5	36	146	60	120	100

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT 200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT 200
6	Bearing	
7	Rotor	
8	Fan cover	PP
9	Fan	PP
10	Terminal box	PC/ABS
11	Capacitor	
12	Stator	
13	Filling plug	HPb59-1



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XKm50-1	3.6	200	140	160	4680

APm
Peripheral Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Anti-block system for impeller
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +8 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

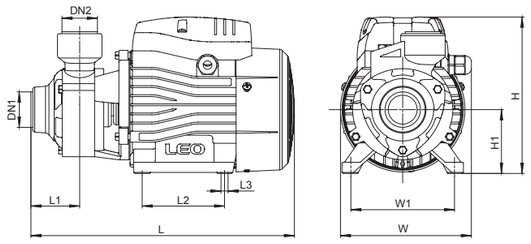
Identification Codes

A P m 37

- 37 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- P — Peripheral Pump
- A — LEO Product Style

Technical Data

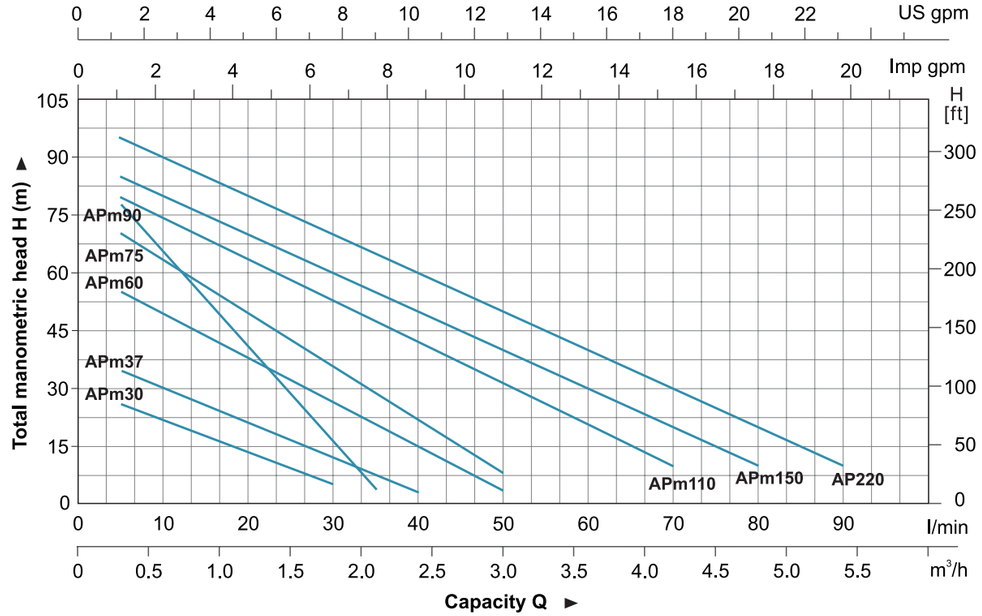
MODEL		POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	50	60	70	80	90
APm30	——	0.3	0.4	H (m)	30	26	20	15	12	8	5	2	-	-	-	-	-	-
APm37	——	0.37	0.5		40	35	30	25	20	15	10	5	2	-	-	-	-	-
APm60	——	0.6	0.8		60	55	50	40	35	30	25	20	10	5	-	-	-	-
APm75	——	0.75	1.0		75	70	60	50	45	35	28	22	15	5	-	-	-	-
APm90	——	0.75	1.0		90	75	60	50	35	25	15	5	-	-	-	-	-	-
APm110	AP110	1.1	1.5		85	80	75	65	60	55	50	45	40	30	18	10	-	-
APm150	AP150	1.5	2.0		90	86	80	75	70	65	60	55	50	40	30	20	10	-
——	AP220	2.2	3.0		100	96	90	85	80	75	70	65	60	50	40	30	20	10



Dimension

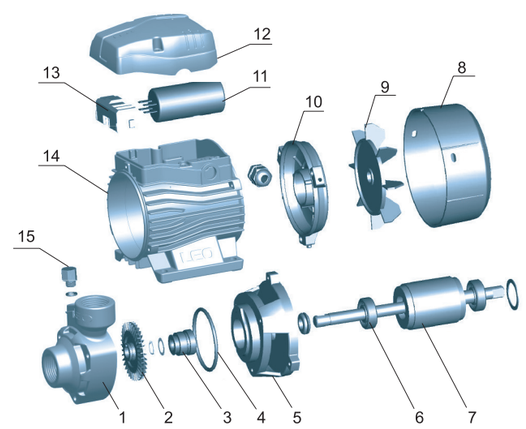
MODEL	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)	L_3 (mm)
APm30	1"	1"	260	132	155	46.5	80	100	63	8.5
APm37			260	132	155	46.5	80	100	63	8.5
APm60			282	147	183	51	90	112	71	8.5
APm75			300	147	183	54.5	90	112	71	8.5
APm90	3/4"	3/4"	289	147	183	50	90	112	71	8.5
APm110	1"	1"	336	165	210	56	100	125	86	9
APm150			338	165	210	56	100	125	86	9
AP220			338	165	210	56	100	125	86	9

Hydraulic Performance Curves



Materials Table

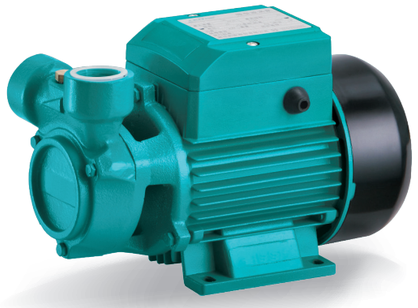
No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	PP
9	Fan	PP
10	Rear cover	ZL102
11	Capacitor	
12	Terminal box	ABS
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
APm30	5.1	283	158	171	3132
APm37	5.5	283	158	171	3132
APm60	9.0	315	190	210	2365
APm75	10.5	335	190	210	2222
APm90	10.5	335	190	210	2222
APm110	15.9	370	210	235	1230
APm150	16.5	370	210	235	1230
AP220	17.2	370	210	235	1230

XQm
Peripheral Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

Pump

- Special anti-rust treatment for cast iron pump body and support
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +8 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

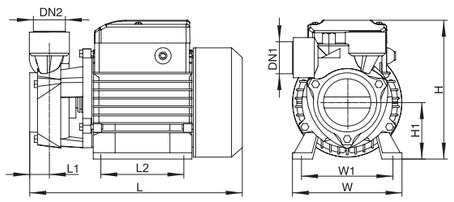
Identification Codes

XQ m 80

- 80 — Impeller Nominal Diameter (mm)
- m — Single Phase Motor
- XQ — Peripheral Pump

Technical Data

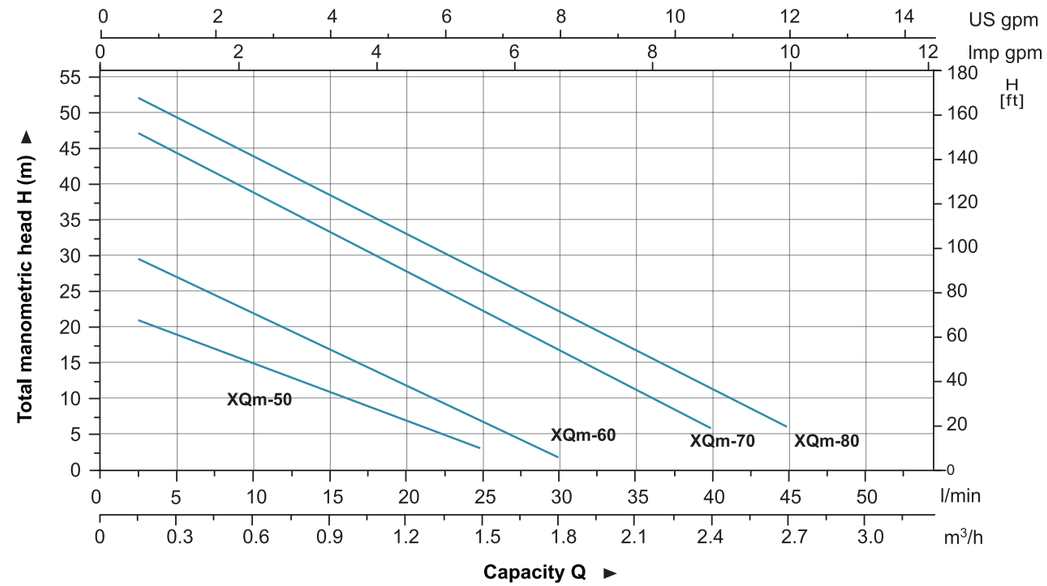
Model	POWER		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	kW	HP	Q (l/min)	0	5	10	15	20	25	30	35	40	45
XQm50	0.125	0.15	H (m)	23	19	15	11	7	3	-	-	-	-
XQm60	0.37	0.5		32	27	22	17	12	7	3	-	-	-
XQm70	0.6	0.8		50	45	38	32	28	22	18	12	5	-
XQm80	0.75	1		55	50	45	40	35	25	20	15	10	5



Dimension

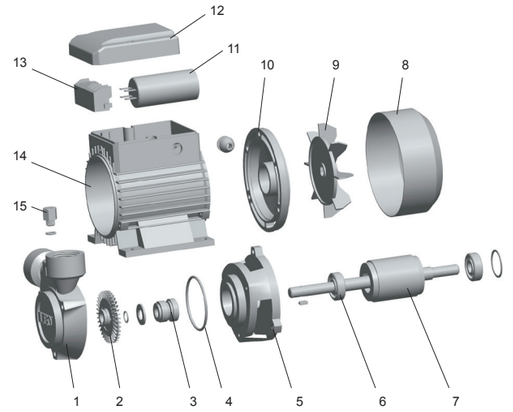
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XQm50	1"	1"	173	120	146	15	45	100	60
XQm60			235	120	153	22	80	100	63
XQm70			255	136	179	22	90	112	71
XQm80			270	136	179	25	90	112	71

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	O-ring	NBR
5	Support	HT200
6	Bearing	
7	Rotor	
8	Fan cover	08F
9	Fan	PP
10	Rear cover	ZL102
11	Capacitor	
12	Terminal box	ABS
13	Terminal board	PC
14	Stator	
15	Filling plug	HPb59-1



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XQm50	3.6	180	140	162	5262
XQm60	5.6	285	140	177	3312
XQm70	9.5	325	180	210	2150
XQm80	11.2	345	180	210	2020