Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

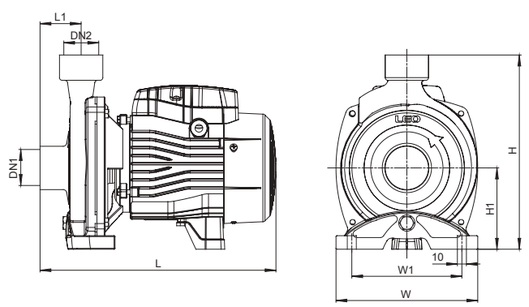
Identification Codes

A C m 110 (L)

- 110 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style
- (L) — High Flow

Technical Data

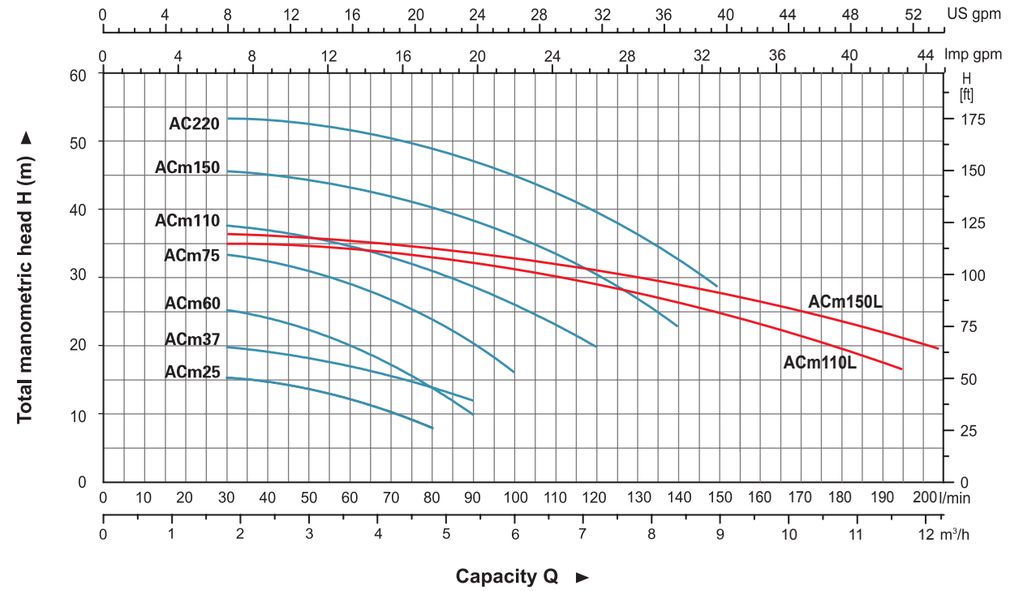
MODEL		POWER		Q (m^3/h)	0	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.5	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6	10.8	11.7	12.6
Single Phase	Three Phase	kW	HP	Q (l/min)	0	10	15	20	30	40	50	60	70	75	80	90	100	110	120	130	140	150	160	180	195	200
ACm25	——	0.25	0.3	H (m)	17	16.5	16.2	16	15.5	14.5	3.5	12.5	10.5	9.5	8	-	-	-	-	-	-	-	-	-	-	-
ACm37	——	0.37	0.5		23	21.5	21	21	20.5	19.5	18	17	15.5	14.5	14	12	-	-	-	-	-	-	-	-	-	-
ACm60	AC60	0.6	0.8		27	26.5	26.2	26	25	24.5	22.5	20	17	15.5	14	10	-	-	-	-	-	-	-	-	-	-
ACm75	AC75	0.75	1.0		36	35	34	33.5	33	32	31	29	27	26	23.5	20	16	-	-	-	-	-	-	-	-	-	-
ACm110	AC110	1.1	1.5		40	39	38	38	37.5	37	36	35	33	32	31	29	26	23	20	-	-	-	-	-	-	-	-
ACm150	AC150	1.5	2		48	47.5	47	46.5	45.5	44.5	43.5	42.5	41.5	41	40.5	39	37	34.5	31	27	22	-	-	-	-	-	-
---	AC220	2.2	3		55	54.5	53	53.5	53	52.5	51.5	50.5	49.5	48	48.5	47	45.5	43.5	40	36.5	32.5	28	-	-	-	-	-
ACm110L	AC110L	1.1	1.5		34.5	34.3	34.2	34.1	34	33.8	33.5	33	32.5	32.3	32	31	30.5	29.5	28.5	27.5	26.5	25	23.5	20	16.5	-
ACm150L	AC150L	1.5	2		37.5	37.2	37	36.9	36.6	36.2	35.8	35.4	35	34.8	34.7	34	33.3	32.5	31.5	30.5	29.5	28.2	27	24	21	19



Dimension

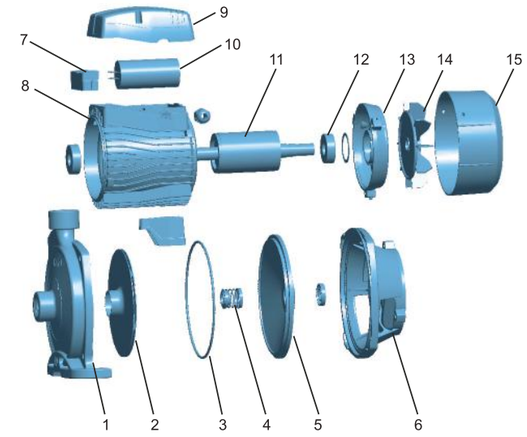
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
ACm25	1"	1"	270	157	216	42	122	90
ACm37			270	157	216	42	122	90
ACm60			298	190	240	44	160	90
ACm75			298	190	240	44	160	100
ACm110	$1^1/_4$"	1"	359	206	263	50	178	112
ACm150			360	240	286	51	207	115
AC 220			360	240	286	51	207	115
ACm110L	$1^1/_2$"	1"	356	206	265	48.5	178	112
ACm150L			356	206	265	48.5	178	112

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	O-ring	NBR
4	Mechanical seal	Carbon/Ceramic
5	Support cover	AISI 304/HT200
6	Support	ZL102
7	Terminal board	PC
8	Stator	
9	Terminal box	PA6-GF25
10	Capacitor	
11	Rotor	
12	Bearing	
13	Rear cover	ZL102
14	Fan	PP
15	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm25	7.9	290	185	239	2124
ACm37	8.4	290	185	239	2124
ACm60	11.5	333	215	260	1384
ACm75	13.4	333	215	260	1384
ACm110	18.45	383	233	287	987
ACm150	22.8	425	265	310	770
AC220	23.3	425	265	310	770
ACm110L	18.4	383	233	287	987
ACm150L	19.35	383	233	287	987

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW,AC750C2 and AC750C4 excluded)

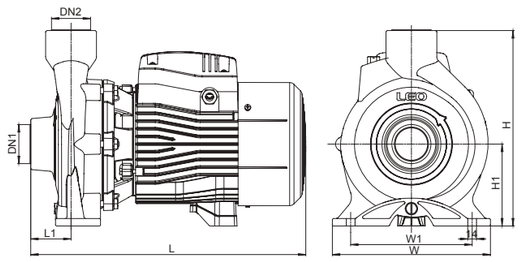
Identification Codes

A C m 220 C (H) 2

- 2 — Inlet Diameter (")
- (H) — High Head
- C — Features
- 220 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Technical Data

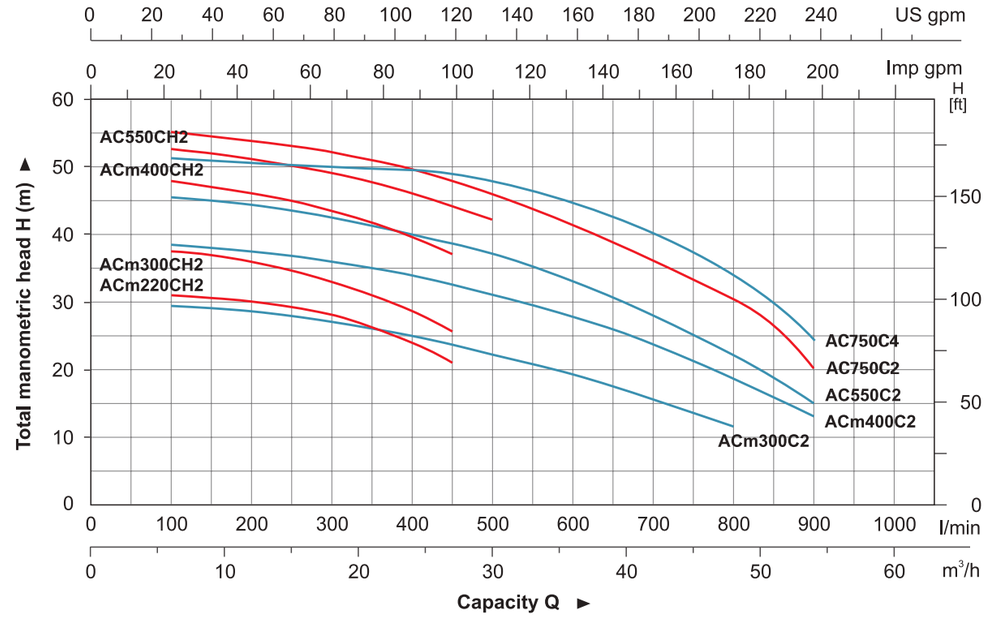
MODEL		POWER		Q (m^3/h)	0	6	9	12	15	18	24	27	30	36	42	48	54
Single Phase	Three Phase	kW	HP	Q (l/min)	0	100	150	200	250	300	400	450	500	600	700	800	900
ACm220CH2	AC220CH2	2.2	3		31	30	29.5	28.5	27.5	26	21.5	18.5	-	-	-	-	-
ACm300CH2	AC300CH2	3	4		38	37.5	37	36	34.5	33	28.5	25.5	-	-	-	-	-
ACm400CH2	AC400CH2	4	5.5		49	48	47	46	45	43.5	39.5	37	-	-	-	-	-
----	AC550CH2	5.5	7.5		54	52.5	52	51	50	49	46	44	42	-	-	-	-
ACm300C2	AC300C2	3	4	H (m)	30	29.5	29	28.5	28	27	25	23.5	22	19.5	15.5	11.5	-
ACm400C2	AC400C2	4	5.5		39	38.5	38	37.5	37	36	34	32.5	31	28	24	18.5	13
----	AC550C2	5.5	7.5		46.5	45.5	45	44.5	43.5	42.5	40	38.5	37	33	28	22	15
----	AC750C2	7.5	10		56.5	55	55	54.5	53.5	52.5	50	48.5	46.5	42	36.5	30.5	20
----	AC750C4	7.5	10		52.5	52	52	51.5	51	50.5	48	46.5	44.5	40	35.5	30.5	24



Dimension

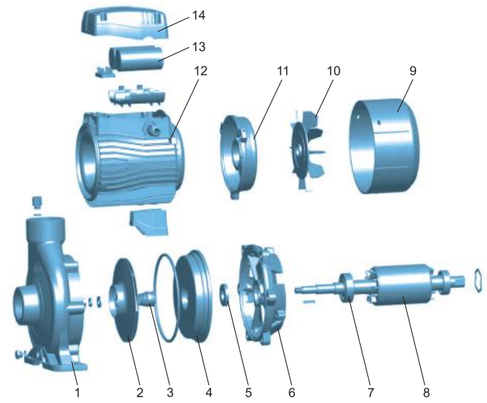
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
ACm220CH2	2"	2"	444	255	315	65	186	132
ACm300CH2			444	255	315	65	186	132
ACm400CH2			496.5	280	326	70	195	136
AC550CH2			496.5	280	326	70	195	136
ACm300C2			444	255	315	65	186	132
ACm400C2			496.5	280	326	70	195	136
AC550C2			496.5	280	326	70	195	136
AC750C2			515	290	360	85	216	150
AC750C4	4"	3"	525	290	360	95	216	150

Hydraulic Performance Curves



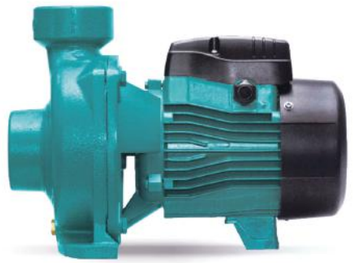
Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	Mechanical seal	Carbon/Ceramic
4	Bracket cover	HT200
5	Oil seal	
6	Support	HT200
7	Bearing	
8	Rotor	
9	Fan cover	PP
10	Fan	PP
11	Rear cover	ZL102
12	Stator	
13	Capacitor	
14	Terminal box	PA6-GF25



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm220CH2	39	507	304	372	486
ACm300CH2	41.8	507	304	372	478
ACm400CH2	56.5	562	328	383	345
AC550CH2	57.1	562	328	383	345
ACm300C2	41.4	507	304	372	483
ACm400C2	57.5	562	328	372	345
AC550C2	55.5	562	328	383	345
AC750C2	62	587	338	417	305
AC750C4	63.7	587	338	417	305



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

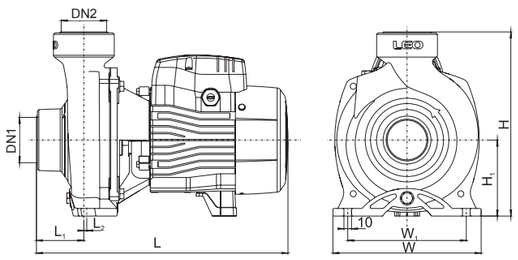
Identification Codes

A C m 110 B 2

- Inlet Diameter (")
- Features
- Power (×10 W)
- Single Phase Motor (Omitted for three-phase motor)
- Centrifugal Pump
- LEO Product Style

Technical Data

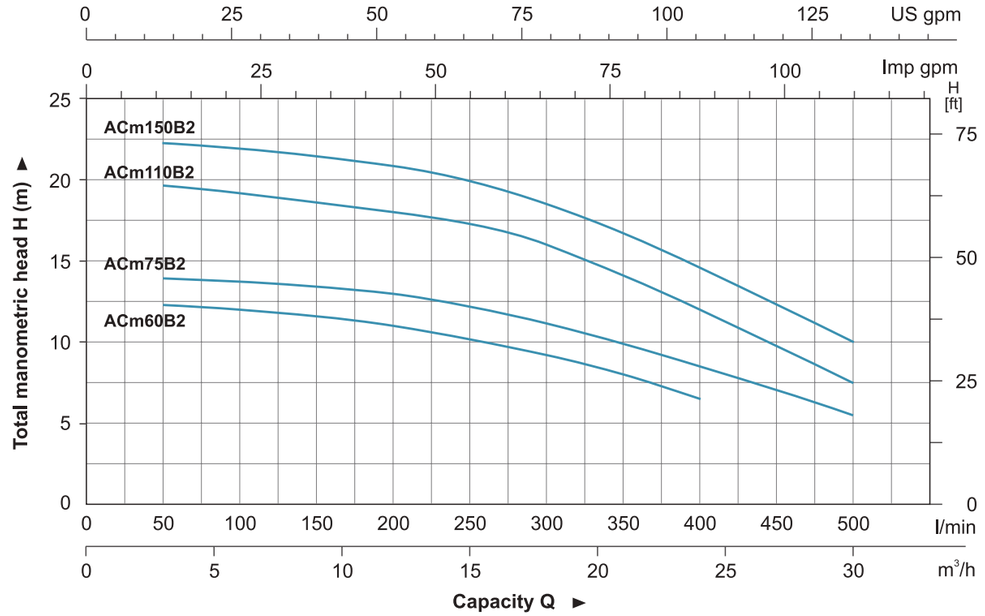
MODEL		POWER		Q (m^3/h)	0	6	9	12	15	18	21	24	30
Single Phase	Three Phase	kW	HP	Q (l/min)	0	100	150	200	250	300	350	400	500
ACm60B2	AC60B2	0.6	0.8	H (m)	12.5	12	11.7	11	10.2	9.2	8	6.5	-
ACm75B2	AC75B2	0.75	1		14	13.7	13.5	13	12.3	11.2	9.9	8.5	5.5
ACm110B2	AC110B2	1.1	1.5		19.5	19.2	19	18.5	17.7	16.5	15	13	8.5
ACm150B2	AC150B2	1.5	2		22	21.5	21	20.5	19.5	18.3	16.5	14.5	9.5



Dimension

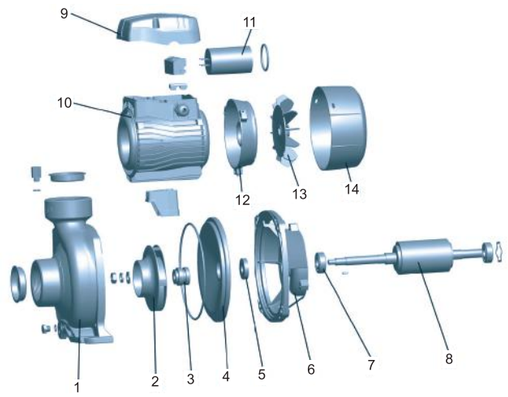
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
ACm60B2	2"	2"	331	195	242	62.5	4	156	100
ACm75B2	2"	2"	331	195	242	62.5	4	156	100
ACm110B2	2"	2"	378	206	263	59	3.5	166	112
ACm150B2	2"	2"	378	206	263	59	3.5	166	112

Hydraulic Performance Curves



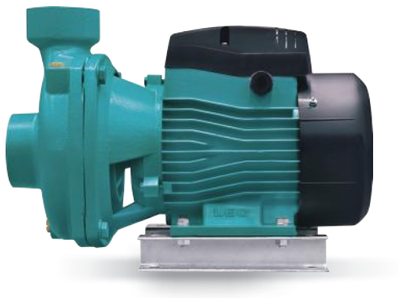
Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	AISI 304 Brass
3	Mechanical seal	Carbon/Ceramic
4	Support cover	HT200
5	Oil seal	
6	Support	ZL102
7	Bearing	
8	Rotor	
9	Terminal box	PA6-GF25
10	Stator	
11	Capacitor	
12	Rear cover	ZL102
13	Fan	PP
14	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm60B2	14.4	375	214	265	1264
ACm75B2	15.2	375	214	265	1264
ACm110B2	19.9	415	225	285	945
ACm150B2	20.7	415	225	285	945



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI304 welding shaft
- Max. liquid temperture: +60°C
- Max.suction: + 8m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperture: +40°C
- S1 Duty

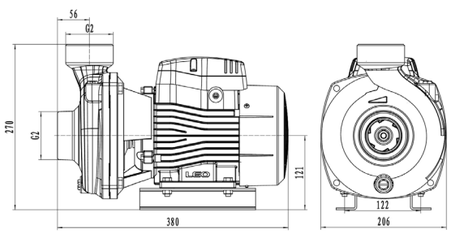
Identification Codes

A C m 220 B 2

- Inlet/Outlet Diameter
- Features
- Power (x10W)
- Single Phase Motor
- Centrifugal Pump
- LEO Product Style

Technical Data

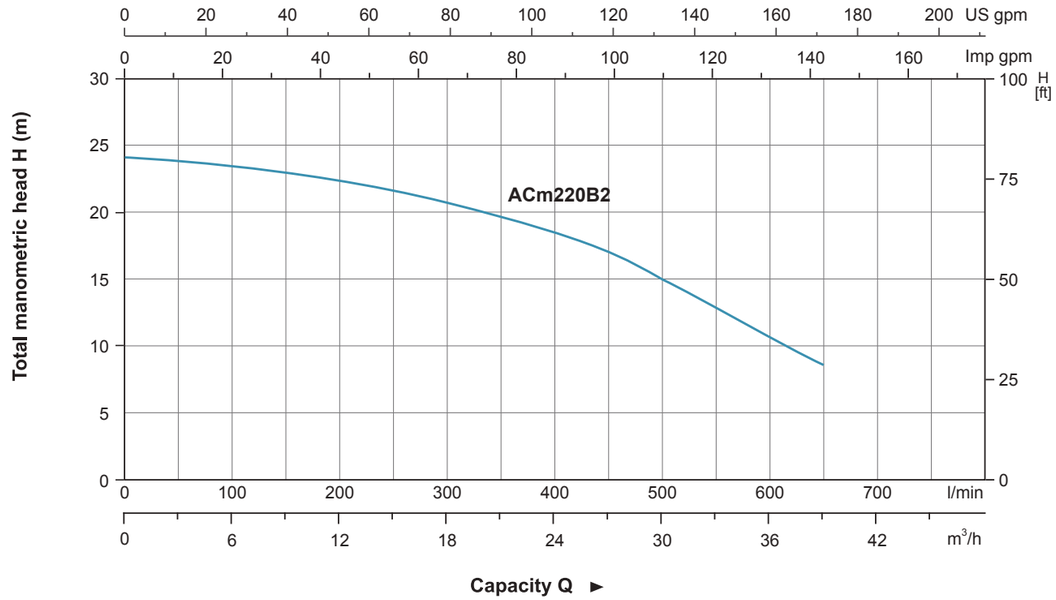
Model	Power		Q(m^3/h)	0	6	12	18	19	24	30	36	38.9
	kW	HP	Q(l/min)	0	100	200	300	316.7	400	500	600	648.3
ACm220B2	2.2	3.0	H(m)	23.9	23.8	22.7	21.1	20.9	18.6	15.2	10.1	8.2



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	W1 (mm)	H1 (mm)
ACm220B2	2"	2"	380	206	270	122	121

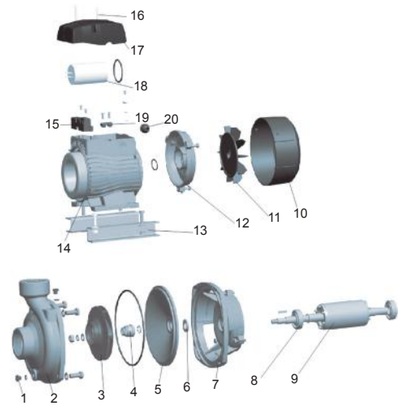
Hydraulic Performance Curves



Materials Table

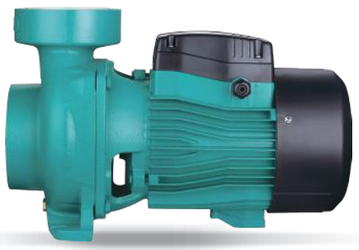
No.	Part	Material
1	Filling plug	Copper
2	Pump body	HT200
3	Impeller	Brass
4	Mechanical seal	Carbon/Ceramic
5	Support Cover	HT200
6	Water proof ring	
7	Support	ZL102
8	Bearing	
9	Rotor	
10	Fan cover	PP
11	Fan	PP
12	Rear cover	ZL102

No.	Part	Material
13	Base	65Mn
14	Stator	
15	Terminal board	PC+ABS
16	Screw	
17	Terminal box	PA6-GF25
18	Capacitor	
19	Pressure clamp	PC+ABS
20	Cable Holder	



Package Information

Model	GW (kg)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm220B2	23	416	248	286	819



Power ≤ 1.5kW

Power ≥ 2.2kW

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor (≤1.5 kW)
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

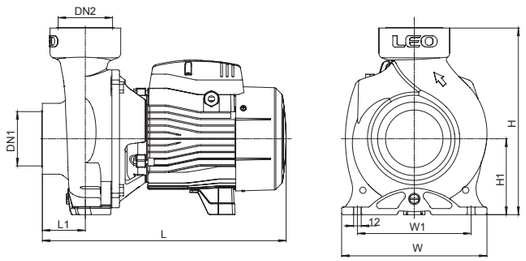
Identification Codes

A C m 220 B 3

- 3 — Inlet Diameter (")
- B — Features
- 220 — Power (×10W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Technical Data

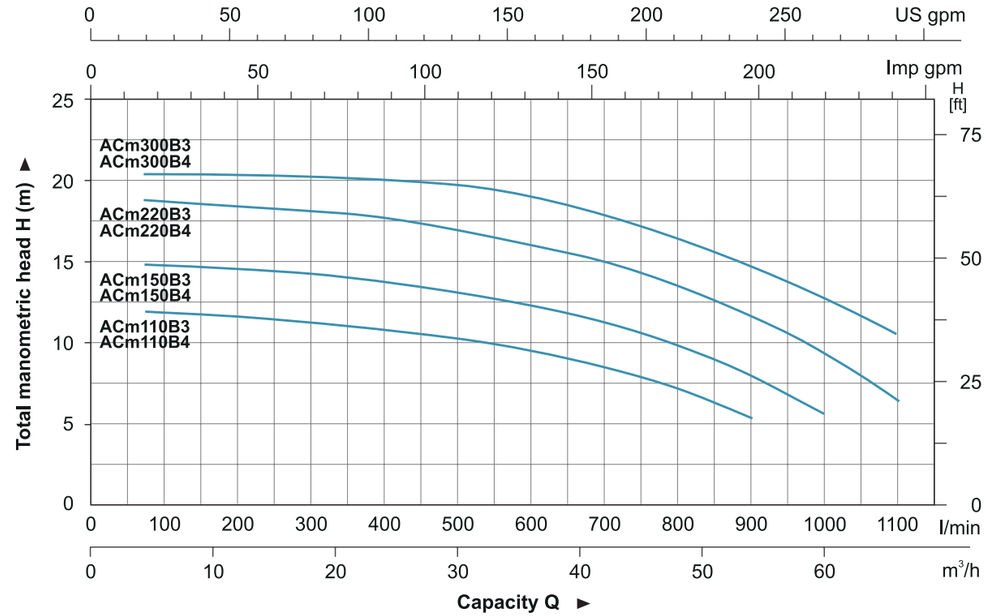
MODEL		POWER		Q (m^3/h)	0	12	18	24	30	36	42	48	54	60	66	71
Single Phase	Three Phase	kW	HP	Q (l/min)	0	200	300	400	500	600	700	800	900	1000	1100	1200
ACm110B3	AC110B3	1.1	1.5	H (m)	12.5	12.5	12.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-
ACm110B4	AC110B4	1.1	1.5		12.5	12.5	12.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-
ACm150B3	AC150B3	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-
ACm150B4	AC150B4	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-
ACm220B3	AC220B3	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-
ACm220B4	AC220B4	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-
ACm300B3	AC300B3	3	4		20	19.8	19.6	19.5	19	18.3	17.5	16.2	14.6	13	11.5	10
ACm300B4	AC300B4	3	4		20	19.8	19.6	19.5	19	18.3	17.5	16.2	14.6	13	11.5	10



Dimension

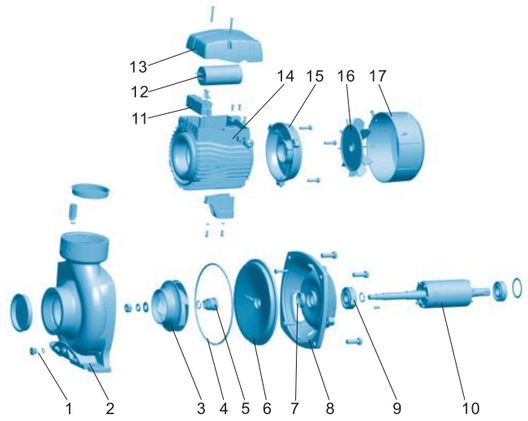
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
ACm110B3	3"	3"	386	230	295	68	180	120
ACm110B4	4"	4"	393	230	295	75	180	120
ACm150B3	3"	3"	386	230	295	68	180	120
ACm150B4	4"	4"	393	230	295	75	180	120
ACm220B3	3"	3"	453	230	295	68	180	120
ACm220B4	4"	4"	460	230	295	75	180	120
ACm300B3	3"	3"	453	230	295	68	180	120
ACm300B4	4"	4"	460	230	295	75	180	120

Hydraulic Performance Curves



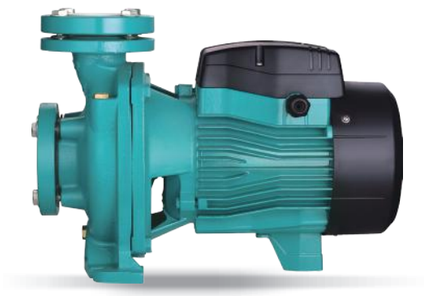
Materials Table

No.	Part	Material
1	Filling plug	HPb59-1
2	Pump body	HT200
3	Impeller	Brass
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Bracket cover	HT200
7	Oil seal	
8	Support	HT200
9	Bearing	
10	Rotor	
11	Terminal board	PC
12	Capacitor	
13	Terminal box	PA6-GF25
14	Stator	
15	Rear cover	ZL102
16	Fan	PP
17	Fan cover	PP



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm110B3	26.3	433	255	332	684
ACm110B4	29.5	433	255	332	675
ACm150B3	27.2	433	255	332	684
ACm150B4	30.4	433	255	332	655
ACm220B3	34.8	522	288	331	510
ACm220B4	38	522	288	331	496
ACm300B3	37.3	522	288	331	506
ACm300B4	40.5	522	288	331	467



Power ≤ 1.5kW

Power ≥ 2.2kW

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

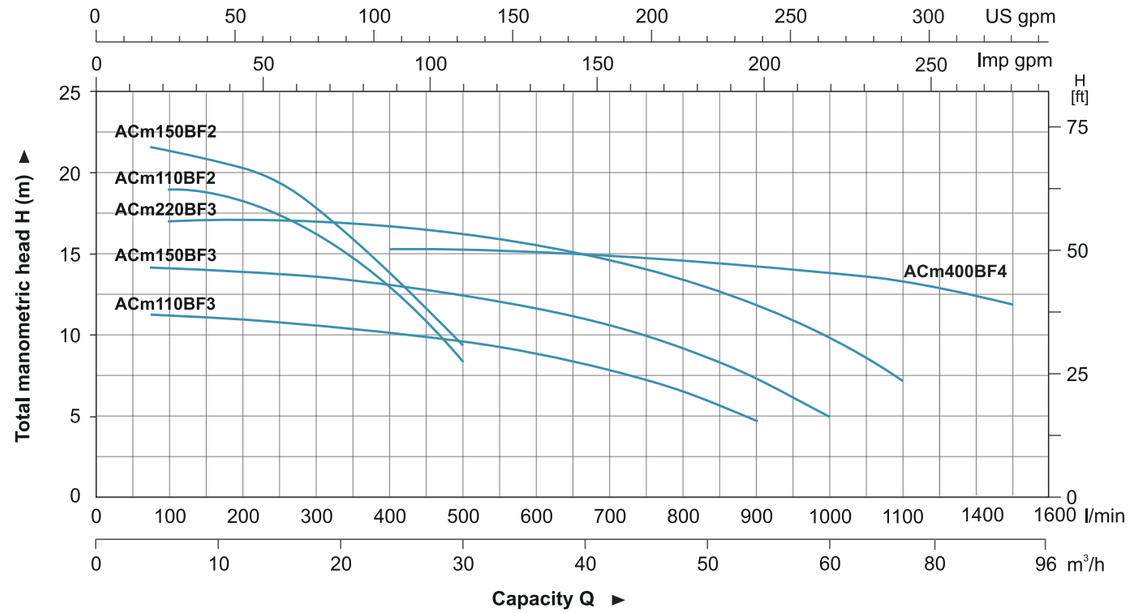
- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor (≤1.5 kW)
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

Identification Codes

A C m 150 B F 2

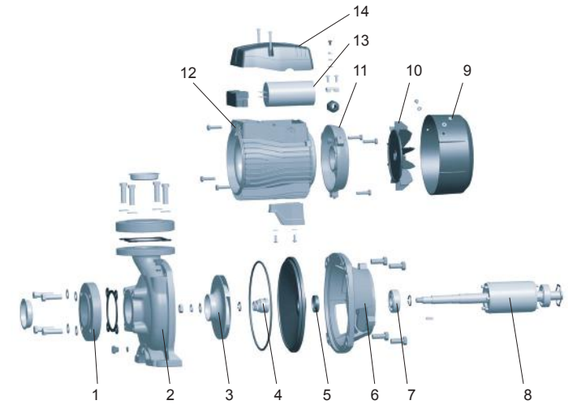
- 2 — Inlet Diameter (")
- F — Flange
- B — Features
- 150 — Power (×10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style

Hydraulic Performance Curves



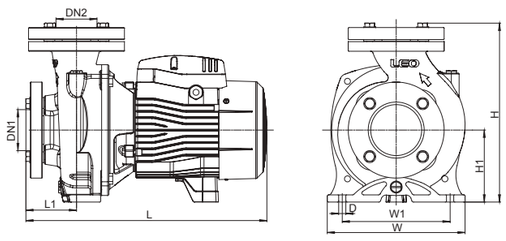
Materials Table

No.	Part	Material
1	Flange	HT200
2	Pump body	HT200
3	Impeller	AISI 304/Brass HT200
4	Mechanical seal	Carbon/Ceramic
5	Oil seal	
6	Support	HT200
7	Bearing	
8	Rotor	
9	Fan cover	PP
10	Fan	PP
11	Rear cover	HT200
12	Stator	
13	Capacitor	
14	Terminal box	PA6-GF25



Technical Data

MODEL		POWER		Q (m³/h)	0	12	18	24	30	36	42	48	54	60	66	72	84	96
Single Phase	Three Phase	kW	HP	Q (l/min)	0	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600
ACm110BF2	AC110BF2	1.1	1.5	H (m)	19.5	18.5	16.5	13	8.5	-	-	-	-	-	-	-	-	-
ACm110BF3	AC110BF3	1.1	1.5		12.5	12.5	21.1	11.5	10.5	9.5	8.4	7.1	5.5	-	-	-	-	-
ACm150BF2	AC150BF2	1.5	2		22	20.5	18.3	14.5	9.5	-	-	-	-	-	-	-	-	-
ACm150BF3	AC150BF3	1.5	2		14.5	14.3	14	13.5	12.8	12	11.2	9.9	8.4	6	-	-	-	-
ACm220BF3	AC220BF3	2.2	3		17.5	17.3	17.1	16.5	16	15.2	14.2	13.2	11.7	10	7.2	-	-	-
ACm400BF4	AC400BF4	4	5.5		16.5	-	-	16	15.8	15.5	15.3	15.3	15	14.7	14.4	14	13.2	12.1



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)	D (mm)
ACm110BF2	2"	2"	392	206	270	64.5	166	112	10
ACm110BF3	3"	3"	403	230	300	86	180	120	12
ACm150BF2	2"	2"	392	206	270	64.5	166	112	10
ACm150BF3	3"	3"	403	230	300	86	180	120	12
ACm220BF3	3"	3"	471	230	300	86	180	120	12
ACm400BF4	4"	4"	593	281.5	398	120.5	206	160	16

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ACm110BF2	22.2	414	230	300	900
ACm150BF2	24	414	230	300	833
ACm110BF3	31.5	433	255	332	634
ACm150BF3	32.5	433	255	332	615
ACm220BF3	40	522	288	332	500
ACm400BF4	72.8	658	330	457	204

XGm

Centrifugal Pump

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60℃
- Max. suction: 8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE2 motor for XG/1A

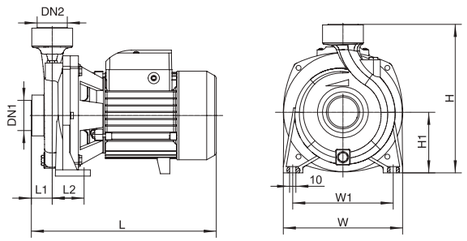
Identification Codes

XG m / 1 A

- A: Original Impeller; B: Impeller with Cut
- Semi-open Impeller
- Single Phase Motor (Omitted for three-phase motor)
- Centrifugal Pump

Technical Data

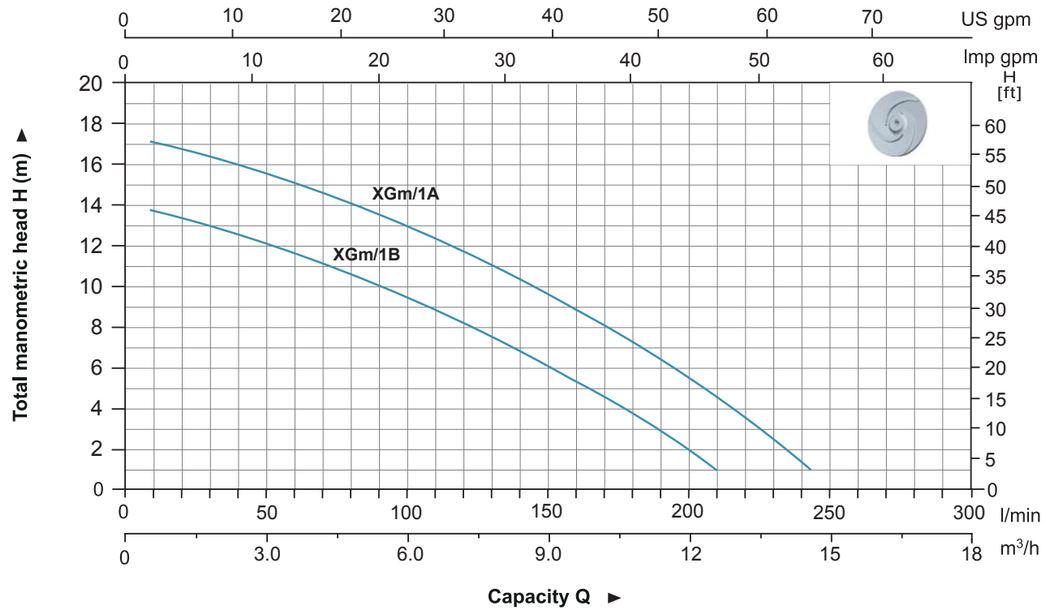
Model		POWER		Q (m³/h)	0	2.4	4.2	6	7.8	9.6	11.4	13.2	14.7
Single Phase	Three Phase	kW	HP	Q (l/min)	0	40	70	100	130	160	190	220	245
XGm/1A	XG/1A	0.75	1	H (m)	17.5	16	14.5	13	11	9	6.5	3.5	1
XGm/1B	XG/1B	0.6	0.8		14	12.5	11	9.5	7.5	5.5	3	-	-



Dimension

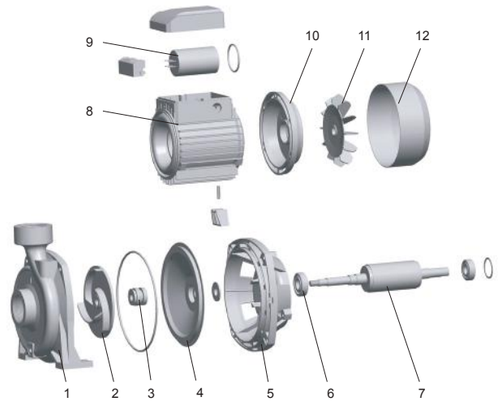
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	L2 (mm)	W1 (mm)	H1 (mm)
XGm/1A	1 1/2"	1 1/2"	295	191	235	44	48	160	96.5
XGm/1B									

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Impeller	Brass
3	Mechanical seal	Carbon/Ceramic
4	Bracket cover	AISI 304
5	Support	ZL102
6	Bearing	
7	Rotor	
8	Stator	
9	Capacitor	
10	Rear cover	ZL102
11	Fan	PP
12	Fan cover	08F



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
XGm/1A	13	325	242	265	1512
XGm/1B	11.5	325	242	265	1512

Power ≤ 2.2kW

Power ≥ 3kW

Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply, pressure boosting for high buildings and fire fighting, garden irrigation, long-distance water transfer, heating ventilation and air conditioning, circulation and pressure boosting for cold and hot water, and supporting equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃
- IE 2 motor (Three phase, power ≥ 0.75kW)

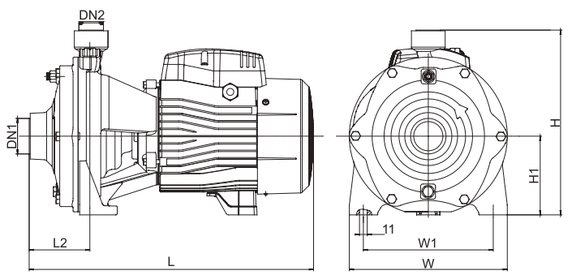
Identification Codes

2 A C m 150 (H)

- H — High Head
- 150 — Power (X 10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style
- 2 — Impeller Stage

Technical Data

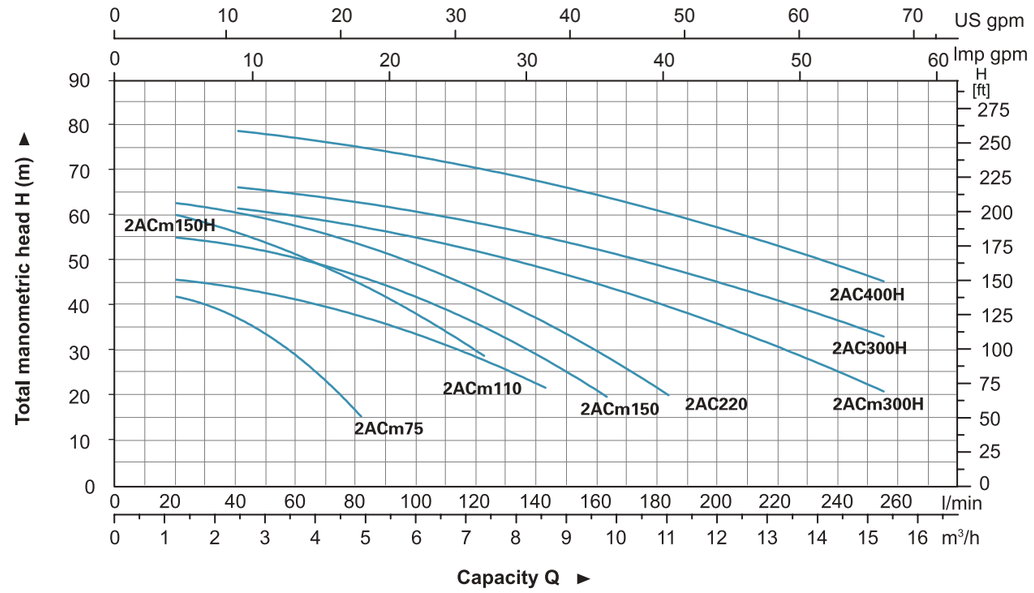
MODEL		POWER		Q (m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	8.4	9.6	10.8	12	15
Single Phase	Three Phase	kW	HP	Q (l/min)	0	20	30	40	50	60	70	80	90	100	110	120	140	160	180	220	250
2ACm75	2AC75	0.75	1.0	H (m)	45	42.5	40	37	33.5	28.5	23	15	-	-	-	-	-	-	-	-	-
2ACm110	2AC110	1.1	1.5		47	46	45	44	43	41.5	40	38	35.5	33	30.5	28	22	-	-	-	-
2ACm150	2AC150	1.5	2		57.5	55.5	54.5	53.5	52	50.5	49	47	44.5	41.5	38.5	35	28	20	-	-	-
2ACm150H	2AC150H	1.5	2		63.5	60.5	58.5	56.5	54	51.5	48.5	45	41	37.5	33.5	29	-	-	-	-	-
----	2AC220	2.2	3		65	63	62	61	59.5	58	56	54	51.5	49	46	43	36	28.5	20.5	-	-
2ACm300H	----	3	4		65	-	-	62	61	60	59	58	56.5	55	53.5	52.5	48.5	44.5	40	35	21
----	2AC300H	3	4		70	-	-	67	66	65	64	63	62	61	59.5	59	55.5	52	49	45	33
----	2AC400H	4	5.5		82	-	-	79.5	78.5	77.5	76.5	75.5	74.5	73.5	72	71	67.5	64.5	61	57	45.5



Dimension

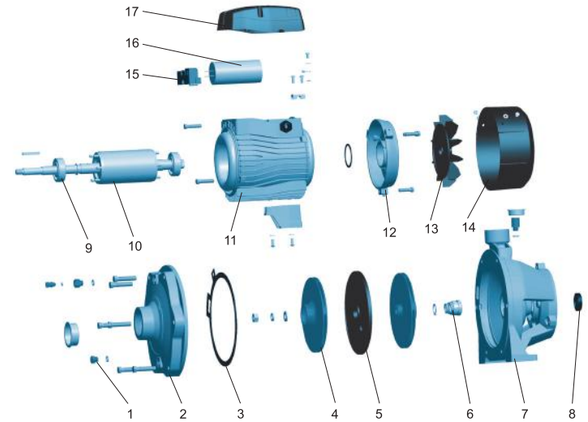
Model	DN1	DN2	L (mm)	L_1 (mm)	H (mm)	H_1 (mm)	W (mm)	W_1 (mm)
2ACm75	1 1/4"	1"	336	72	231	100	181	145
2ACm110	1 1/2"		379	71	225	93	200	162
2ACm150			400	80	262	112	225	185
2ACm150H								
2AC220								
2ACm300H		1 1/4"	480	63	311	132	281	234
2AC300H								
2AC400H								

Hydraulic Performance Curves



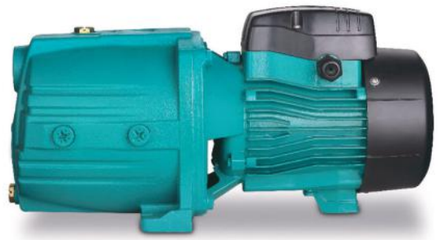
Materials Table

No.	Part	Material
1	Drain plug	HPb59-1
2	Pump body	HT200
3	Gasket	NBR
4	Impeller	AISI 304/Brass HT200
5	Bracket cover	HT200
6	Mechanical seal	Carbon/Ceramic
7	Support	HT200
8	Oil seal	
9	Bearing	
10	Rotor	
11	Stator	
12	Rear cover	ZL102
13	Fan	PP
14	Fan cover	PP
15	Terminal board	PC
16	Capacitor	
17	Terminal box	PA6-GF25



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
2ACm75	16.8	385	215	270	1190
2ACm110	21	430	235	275	833
2ACm150	27.5	445	255	300	636
2ACm150H	27.8	440	254	299	636
2AC220	27.5	445	255	300	629
2ACm300H	51.9	542	330	346	337
2AC300H	51.5	542	330	346	340
2AC400H	52.4	542	330	346	346



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for industrial use and urban water supply , domestic water supply , high rise buildings, long distance water transfer and related auxiliary equipment etc.

Pump

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m
- Self-priming

Motor

- Low noise&Long life bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient Temperature: +40℃
- IE 2 motor for 4AC75

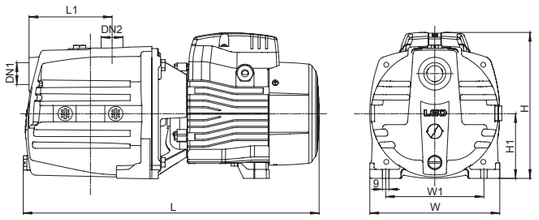
Identification Codes

3 A C m 45

- 45 — Power (X 10 W)
- m — Single Phase Motor (Omitted for three-phase motor)
- C — Centrifugal Pump
- A — LEO Product Style
- 3 — Impeller Stage

Technical Data

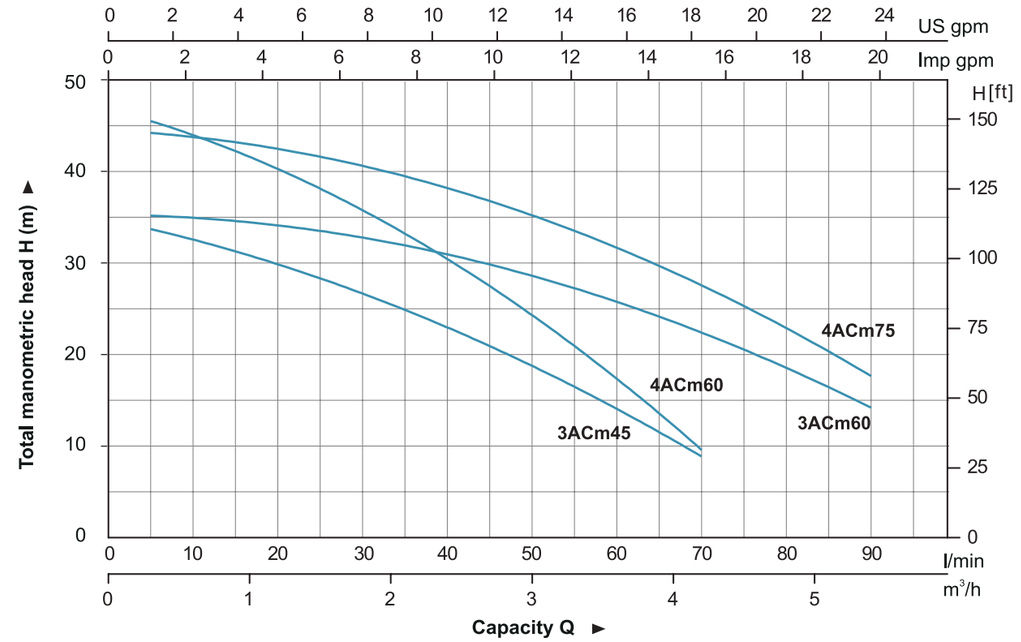
MODEL		POWER		Q (m^3/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4
Single Phase	Three Phase	kW	HP	Q (l/min)	0	5	10	15	20	25	30	40	50	60	70	80	90
3ACm45	——	0.45	0.6	H (m)	35	33.5	32.5	31.5	30	28.5	26.5	23	18.5	14	9	-	-
4ACm60	——	0.6	0.85		46.5	45	44	42.5	40.5	38.5	36	30	24	17	10	-	-
3ACm60	——	0.6	0.85		36	35.5	35	34.5	34	33.5	32.5	30.5	28.5	26	23	19	13.5
4ACm75	4AC75	0.75	1		46.5	45	44	43	42	41	40	38	35.5	32.5	28	23	17



Dimension

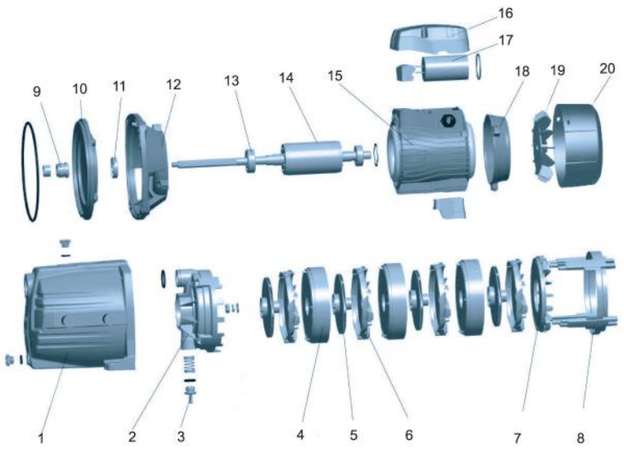
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L_1 (mm)	W_1 (mm)	H_1 (mm)
3ACm45	1"	1"	368	180	183	90	136	90
4ACm60			405	180	183	115	136	90
3ACm60			485	180	202	90	136	90
4ACm75			510	180	202	115	136	90

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	HT200
2	Pump cover	PPO
3	Return valve	PPO
4	Diffuser 1	PPO
5	Impeller	PPO
6	Diffuser 2	PPO
7	Diffuser holder	PPO
8	Support frame	PPO
9	Mechanical seal	Carbon/Ceramic
10	Bracket cover	HT200
11	Oil seal	
12	Support	ZL102
13	Bearing	
14	Rotor	
15	Stator	
16	Terminal box	PA6-GF25
17	Capacitor	
18	Rear cover	ZL102
19	Fan	PP
20	Fan cover	PP

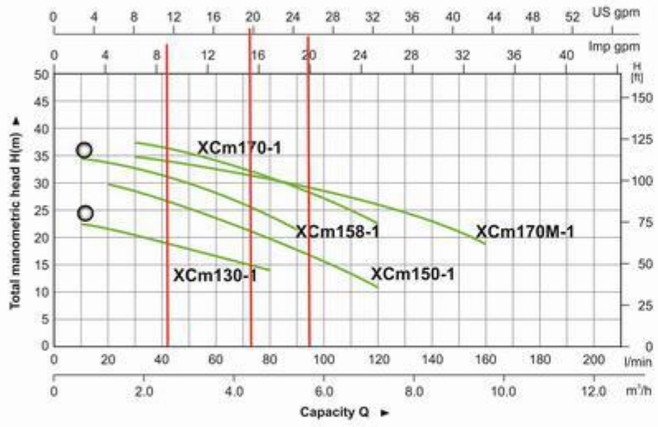


Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
3ACm45	13.2	410	200	210	1515
4ACm60	16	460	200	230	1233
3ACm60	15.3	435	200	230	1305
4ACm75	17	460	200	230	1176

XCm

HYDRAULIC PERFORMANCE CURVE



PUMP

- Centrifugal pump
- Liquid pumped up to 60℃
- Clean water with little impurities, non-corrosive liquid

2.040.000

3.070.000

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
XCm130-1	0.37	0.5	1"×1"	90	23	8
XCm150-1	0.75	1.0	1"×1"	130	29.5	8
XCm158-1	0.75	1.0	1"×1"	100	36	8
XCm170-1	1.1	1.5	1"×1"	130	41	8
XCm170M-1	1.1	1.5	1¼"×1"	170	36	8

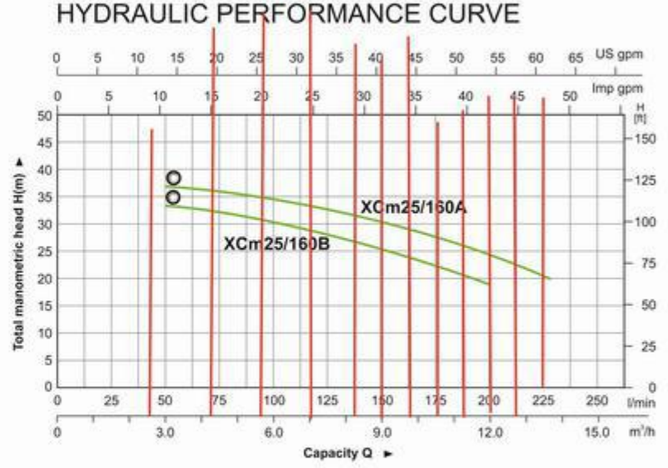
MOTOR

- Single phase/Three-phase, 50Hz/60Hz
- Insulation class: 130
- Protection class: IP44
- Liquid pumped up to 40℃
- With thermal overload protection
- Copper winding

	Part	Material	Remark
1	Pump body	Cast iron	Electrophoretic treatment
2	Impeller	Brass/Noryl/Stainless steel	
3	Mechanical seal	Silicon carbide/Graphite	
4	Bracket cover	Stainless steel	
5	Support	Aluminum	
6	Bearing	High quality	
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Stator	Aluminum casting	Cold-rolled sheet stator
9	Capacitor	High quality	
10	End plate	Aluminum	
11	Fan	Noryl	
12	Fan cover	Iron	

XCm

HYDRAULIC PERFORMANCE CURVE



PUMP

- Centrifugal pump
- Liquid pumped up to 60℃
- Clean water with little impurities, non-corrosive liquid

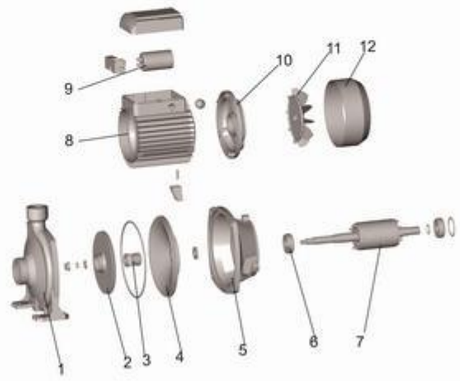
5.050.000

4.200.000

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
XCm25/160A	1.5	2.0	1½"×1"	250	38	8
XCm25/160B	1.1	1.5	1½"×1"	220	33	8

MOTOR

- Single phase/Three-phase, 50Hz/60Hz
- Insulation class: 130
- Protection class: IP44
- Liquid pumped up to 40℃
- With thermal overload protection
- Copper winding



	Part	Material	Remark
1	Pump body	Cast iron	Electrophoretic treatment
2	Impeller	Brass/Stainless steel	
3	Mechanical seal	Silicon carbide/Graphite	
4	Bracket cover	Cast iron	Electrophoretic treatment
5	Support	Aluminum	
6	Bearing	High quality	
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Stator	Aluminum casting	Cold-rolled sheet stator
9	Capacitor	High quality	
10	End plate	Aluminum	
11	Fan	Noryl	
12	Fan cover	Iron	