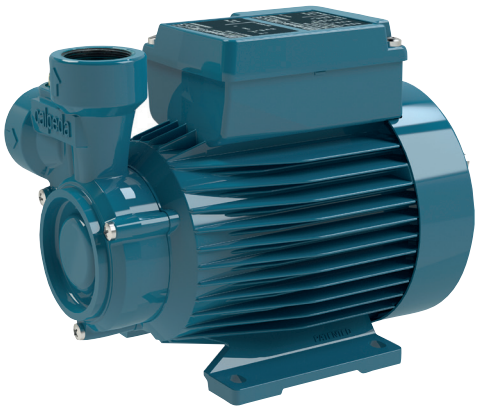
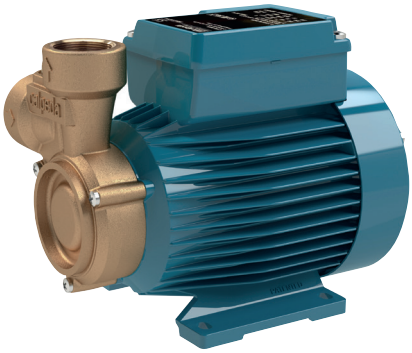
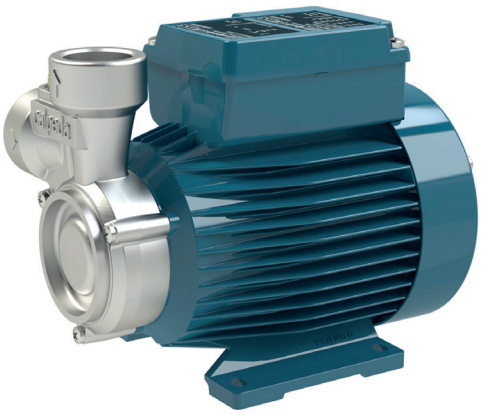
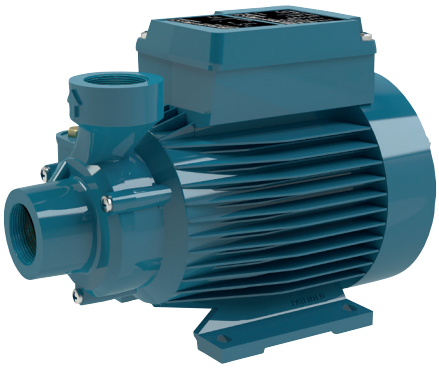
CT 60 Hz

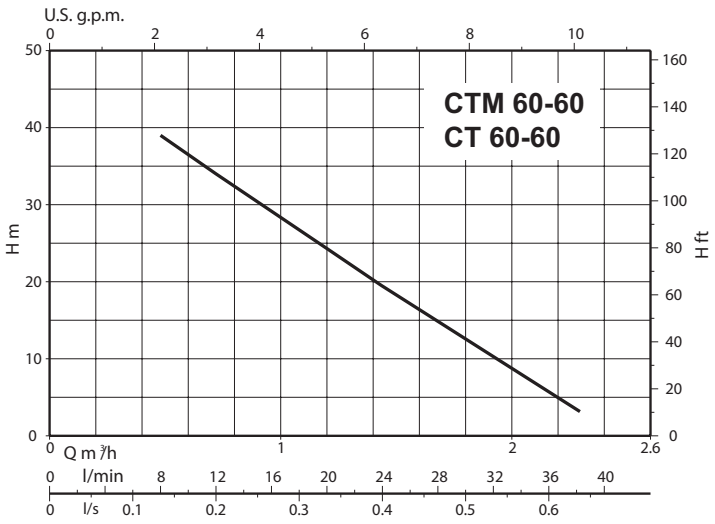


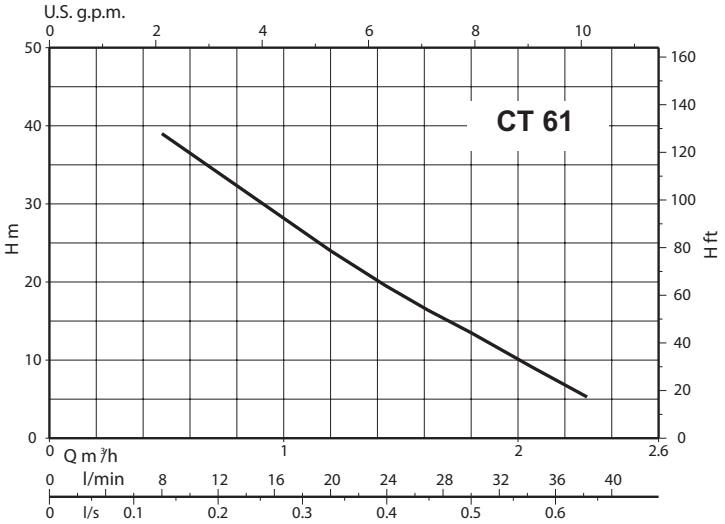






Coverage chart n ≈ 3450 1/min





Peripheral pumps

CT 60 Hz

Construction

Peripheral close coupled electropumps
Compact, patented construction with singlepiece motor casing and pump-side wall.
Protected against water entering the motor from outside.
CT: version with pump casing in cast iron.
B-CT 61: version with bronze pump body.
I-CT: version with pump casing in Stainless steel.
The pumps are supplied fully painted.

Applications

For clean liquids without abrasives, without suspended solids, non-explosive and non-aggressive for the pump materials.
For increasing network pressure (follow local regulations).
Due to their compact dimensions, these pumps are highly suitable for installation in cooling and air-conditioning systems and equipment, as well as for circulation applications.

Operating conditions

Liquid temperature up to 60 °C.
Ambient temperature up to 40° C.
Total suction lift up to 7 m.
Continuous duty. (S3 60% for three-phase).

Motor

2-pole induction motor, 60 Hz (n ≈ 3450 1/min).
CT: three-phase 220/380 V, 220/440 V,
CTM: single-phase 110 V, 127 V, 220 V
with thermal protector for 220V only.
Capacitor inside the terminal box.
Insulation class F.
Protection IP54
IE2 efficiency class for single-phase motors.
IE2 efficiency class for three-phase motors
- Constructed in accordance with EN 60034-1; EN 60335-1, EN 60335-2-41.

Designation

BCTM 61-60/A
B = Bronze version (without Cast Iron version indication
I = Stainless steel version (without Cast Iron version indication)
CT = Series
M = Single-phase version (no indication: three-phase)
61 = Nominal impeller diameter
/A = It refers to a revision
60 = Frequency 60 Hz

Materials

Component	CT	BCT 61	ICT 61
Pump casing	Cast iron GJL 200 EN 1561	Bronze CC480K EN 1982	Stainless steel Cr-Ni-Mo 1.4401 EN 10088 (AISI 316)
Casing cover	Brass CW617N EN 12167	Brass CW617N EN 12167	Brass CW617N EN 12167
Impeller	Brass CW617N EN 12167	Brass CW617N EN 12167	Brass CW617N EN 12167
Shaft	Stainless Steel 1.4104 EN 10088 (AISI 430F)	Stainless Steel 1.4104 EN 10088 (AISI 430F)	Stainless Steel 1.4104 EN 10088 (AISI 430F)
Mechanical seal	Carbon - Ceramic - NBR	Carbon - Ceramic - NBR	Carbon - Ceramic - NBR

Performance n ≈ 3450 1/min

Three-phase

						Q = Flow								
						m³/h	0	0,5	0,6	0,75	0,96	1,2	1,5	1,89	2,3
Model		220V	380V	P2		l/min		8,33	10	12,5	16	20	25	31,5	38,3
		A		kW	HP	H (m) = Total head									
BCT	CT 60-60/A	2,3	1,3	0,33	0,45		48	39	36	33	29	24	18	12	3
BCT, ICT	CT 61-60/A	2,3	1,3	0,33	0,45		48	39	36	33	29	24	18	12	5
-	ICT 61-60	2,3	1,3	0,33	0,45		48	39	36	33	29	24	18	12	5

Single-phase

						Q = Flow								
						m³/h	0	0,5	0,6	0,75	0,96	1,2	1,5	1,89	2,3
Model		220V	P2		P1	l/min		8,33	10	12,5	16	20	25	31,5	38,3
		A	kW	HP	kW	H (m) = Total head									
BCTM	CTM 60-60/A	3,1	0,33	0,45	-		48	39	36	33	29	24	18	12	3
BCTM, ICTM	CTM 61-60/A	3,1	0,33	0,45	-		48	39	36	33	29	24	18	12	5
-	ICTM 61-60	3,1	0,33	0,45	-		48	39	36	33	29	24	18	12	5

Rated current for special voltages

Single-phase

P2		Single-phase 1~		
		127 V	110 V	
kW	HP	In A	In A	Ia/In:
0.33	0.45	5.4	6.2	2.5

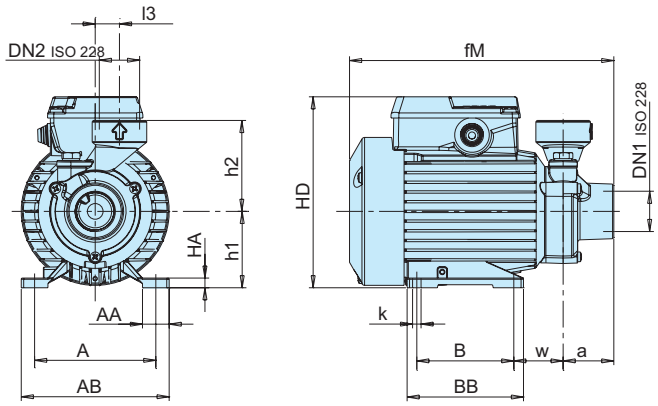
Three-phase

P2		Three-phase 3~	
		220V Δ/ 440V Y	
kW	HP	In A	Ia/In:
0.33	0.45	2.4/1.4	3.2

* Rated motor power S.F.
Ia/In: D.O.L. starting current / Nominal current

CT 60 Hz

Dimensions and weight

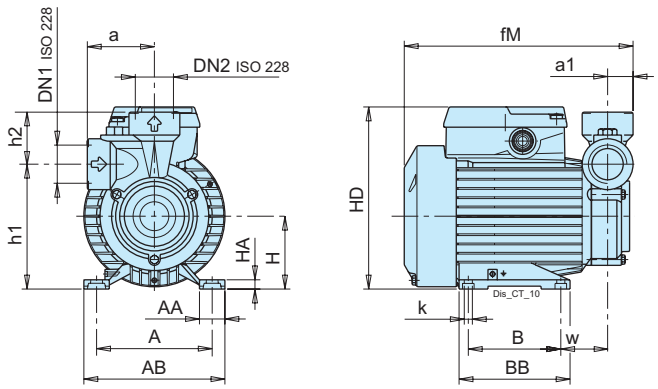


Three-phase

TYPE	ISO 228		mm														kg
	DN1	DN2	a	A	AA	AB	B	BB	fM	h1	h2	HA	HD	K	l3	w	Weight
CT 60-60/A	G 1	G 1	42	100	22	122	80	96	223	63	75	8	158	7	20	40.5	4.6

Single-phase

TYPE	ISO 228		mm														kg
	DN1	DN2	a	A	AA	AB	B	BB	fM	h1	h2	HA	HD	K	l3	w	Weight
CTM 60-60/A	G 1	G 1	42	100	22	122	80	96	223	63	75	8	158	7	20	40.5	4.7



Three-phase

TYPE	ISO 228		mm															kg
	DN1	DN2	a	A	a1	AA	AB	B	BB	fM	H	h1	h2	HA	HD	K	w	Weight
CT 61-60/A	G 1	G 1	58	100	22.5	22	122	80	86	203	63	108	45	8	158	7	40.5	4.7
BCT 61-60/A	G 1	G 1	58	100	22.5	22	122	80	96	203	63	108	45	8	158	7	40.5	4.8
ICT 61-60	G 1	G 1	58	100	22.5	22	122	80	96	203	63	108	45	8	158	7	40.5	-

Single-phase

TYPE	ISO 228		mm															kg
	DN1	DN2	a	A	a1	AA	AB	B	BB	fM	H	h1	h2	HA	HD	K	w	Weight
CTM 61-60/A	G 1	G 1	58	100	22.5	22	122	80	96	203	63	108	45	8	158	7	40.5	4.8
BCTM 61-60/A	G 1	G 1	58	100	22.5	22	122	80	96	203	63	108	45	8	158	7	40.5	4.9
ICTM 61-60	G 1	G 1	58	100	22.5	22	122	80	96	203	63	108	45	8	158	7	40.5	-