



APEC-SUN

Centrifugal Pump - Twin Impeller



APPLICATIONS:

Twin impeller centrifugal pumps with hydraulic parts manufactured from cast iron, suitable for irrigation and non-aggressive liquids for civil and industrial uses.

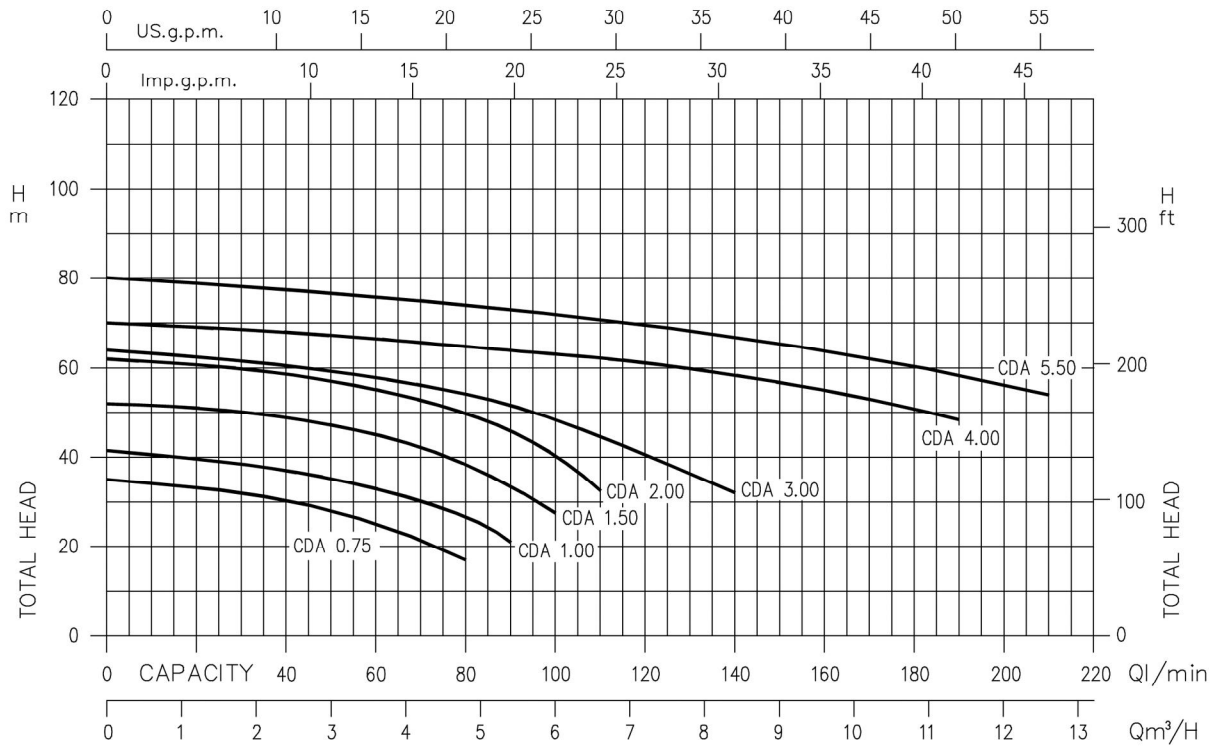
FEATURES:

- Maximum working pressure: 6 bar for CDA 0.75-1.00.
10 bar for other models.
- Maximum liquid temperature:
 - * 35°C according EN 60335-2-41 for domestic uses.
 - * 40°C for CDA 0.75-1.00.
 - * 90°C for other models.
- T.E.F.C. 2 poles motor.
- Insulation class F.
- Protection degree IP44.
- 1~230V $\pm$ 10% 50Hz, 3~230/400V $\pm$ 10% 50Hz • Permanent split capacitor and automatic thermal overload protection for single-phase version.
- Thermal protection to be provided by the user for three-phase version.

MATERIALS:

- Pump body in cast iron.
- Mechanical seal in carbon/ceramic/NBR.
- Impeller: in tecnopolymer for CDA 0.75-1.00.
in brass for the other models.
- Shaft: in AISI 303 for CDA 1.50-2.00-3.00.
in AISI 304 for CDA 4.00-5.50.
in AISI 416 for the other models.
- Bracket: in alluminium for CDA 0.75-1.00.
in cast iron for the other models.
- Casing cover: in AISI 304 for CDA 0.75-1.00.
in cast iron for the other models.

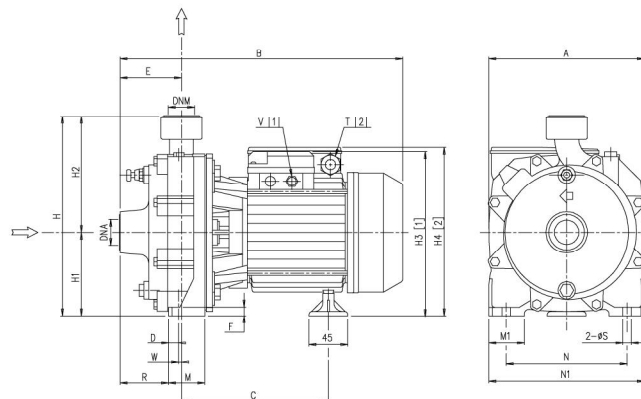
PERFORMANCE CURVES:



PERFORMANCE TABLES:

Pump type		kW	Capacitor		Absorbed Current (A)			l/min m³/h	Q=Capacity											
Single-phase 230V 50Hz	Three-phase 230/400V 50Hz		µF	V _c	Single-phase	Three-phase 230V 400V			20	40	50	80	90	100	110	140	170	190	210	
									1,2	2,4	3	4,8	5,4	6	6,6	8,4	10,2	11,4	12,6	
									H=Total head											
CDA 0.75 M	CDA 0.75 T	0,55	16	450	5,0	3,4	2,0	33	30,2	27,9	17	-	-	-	-	-	-	-	-	
CDA 1.00 M	CDA 1.00 T	0,75	20	450	6,1	4,0	2,3	39,5	37	35,2	27	21	-	-	-	-	-	-	-	
CDA 1.50 M	CDA 1.50 T	1,1	35	450	8,6	5,6	3,3	50,8	48,8	47,1	38,4	33,4	27,5	-	-	-	-	-	-	
CDA 2.00 M	CDA 2.00 T	1,5	40	450	10,8	7,2	4,1	60,5	58,6	56,9	49,8	46,5	40,3	32,5	-	-	-	-	-	
-	CDA 3.00 T	2,2	-	-	-	8,8	5,1	-	60,5	59,3	54,1	51,6	48,4	44,6	32	-	-	-	-	
-	CDA 4.00 T	3,0	-	-	-	13,0	7,5	-	-	67	64,8	63,9	62,5	62	58	53,5	48	-	-	
-	CDA 5.50 T	4,0	-	-	-	16,5	9,5	-	-	76,5	73,9	72,9	71,8	70,5	66,8	62	58,3	54	-	

DIMENSIONS:



Pump type		Dimensions (mm)																				Weight		
		A	B	C	D	E	F	H	H1	H2	H3	H4	M	M1	N	N1	R	T	V	W	S	DNA	DNM	kg
Single-phase	Three-phase										1~	3~						1~	3~					
CDA 0.75 M	CDA 0.75 T	183	336,3	179,8	8,3	73	9	227	97	130	197,5	198	42	40	140	180	57,5	PG11	PG11	6,8	9,5	G 1	G 1	13,5
CDA 1.00 M	CDA 1.00 T	183	336,3	179,8	8,3	73	9	227	97	130	197,5	198	42	40	140	180	57,5	PG11	PG11	6,8	9,5	G 1	G 1	15,0
CDA 1.50 M	CDA 1.50 T	209	394,8	218,3	8,3	86	9	265	110	155	224	242	48	40	155	195	65,5	PG13,5	PG11	12,3	9,5	G 1¼	G 1	25,0
CDA 2.00 M	CDA 2.00 T	209	410,8	218,3	8,3	86	9	265	110	155	224	242	48	40	155	195	65,5	PG13,5	PG11	12,3	9,5	G 1¼	G 1	27,0
-	CDA 3.00 T	194	410,8	218,3	8,3	86	9	265	110	155	224	-	48	40	155	195	65,5	-	PG11	12,3	9,5	G 1¼	G 1	27,0
-	CDA 4.00 T	228	467,3	225,3	12	95,5	12	308,5	133,5	175	264,5	-	57	50	180	230	71,5	-	G 1½	12	12	G 1½	G 1¼	42,5
-	CDA 5.50 T	228	467,3	225,3	12	95,5	12	308,5	133,5	175	264,5	-	57	50	180	230	71,5	-	G 1½	12	12	G 1½	G 1¼	46,3