

# SINGLE IMPELLER CENTRIFUGAL PUMPS



309CM35 • 309CM45 • 309CM53 • 309CM54  
309C35 • 309C45 • 309C53 • 309C54 • 309C55

## APPLICATION

Single impeller centrifugal pumps suitable to cover any small, medium or large capacity request. For domestic, agricultural and industrial purposes, with automatic water distribution through small and medium sized tanks. For sprinkler and flood irrigation systems in gardening and agriculture, to increase in derivation system pressure in aqueducts.



## OPERATING CONDITIONS

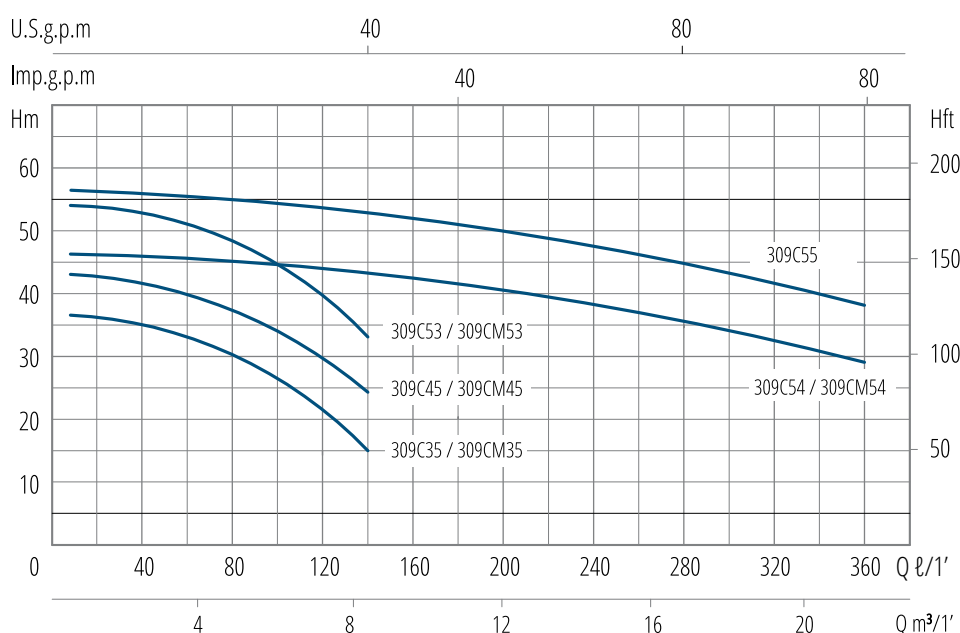
- Liquid temperature up to 90°C
- Ambient temperature up to 40°C
- Total suction lift up to 7 m
- Continuous duty

## MOTOR

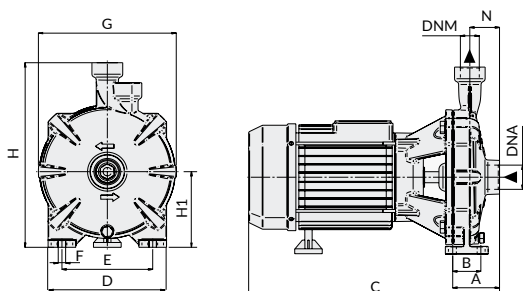
- 2-Pole induction motor  
(n = 2850 min-1)
- Insulation Class F
- Protection IP44

## MATERIALS

- Pump body - Cast Iron
- Motor support - Cast Iron
- Impeller - Brass
- Shaft with rotor - Stainless Steel AISI 304
- Mechanical seal - Ceramic/Graphite/NBR



TYPE		NOMINAL POWER		INPUT POWER	AMPERE		Q = CAPACITY												
Single-phase	Three-phase	P2		P1	Single-phase	Three-phase	m <sup>3</sup> /h	0,6	1,2	3,6	5,4	6	7,5	9	12	18	21		
		HP	KW	KW			ℓ/1'	10	20	60	90	100	125	150	200	300	350		
230V-50Hz	230/400V-50Hz				1 x 230V	3 x 400V	Total head in meters w.c.												
309CM35	309C35	1,5	1,1	1,85	8,3	4	H (m)	36	35,5	33,5	28	26	19						
309CM45	309C45	2	1,5	2,4	10,7	5		43	42	40,5	36,5	34	28						
309CM53	309C53	3	2,2	3,3	15	5,5		54	53	51	47	45	38	29					
309CM54	309C54	4	3	4,5	20	7,3		46,5	46	45,3	44,7	44,5	44	43,5	42	35			
	309C55	5,5	4	5,7	28	9,3		56	55,5	54,5	54	53,5	53	52	50	44	39		



TYPE		DIMENSIONS mm													WEIGHT	
Single-phase	Three-phase	A	B	C	D	E	F	G	H	H1	N	DNA	DNM		kg	
309CM35	309C35	76,5	45	355	220	147,5	12	224	305	125	48,5	1"4	1"		23	
309CM45	309C45	76,5	45	410	220	147,5	12	224	305	125	48,5	1"4	1"		24	
309CM53	309C53	76,5	45	410	220	147,5	12	224	305	125	48,5	1"4	1"		27	
309CM54	309C54	88,5	60	485	245	190	14	256	323	132	58,5	2"	1"4		40	
	309C55	88,5	60	475	245	190	14	256	323	132	58,5	2"	1"4		42	