

### APLICACIONES

Electrobombas centrífugas, monobloque y con un solo rodete, con cuerpo de la bomba, conectado al motor mediante soporte. Con bocas de aspiración y de impulsión embridadas (PN 10) y contrabridas de tipo roscado. Estas máquinas son adecuadas para bombear agua limpia y otros líquidos químicamente y mecánicamente no agresivos; la posibilidad de instalación en cualquier posición, excepto aquella con la boca aspirante dirigida hacia arriba. Adecuadas para las exigencias más variadas en ámbito civil, agrícola, industrial o de instalaciones en general. Suministro de agua, riego por aspersión o por inundación, alimentaciones de autoclaves y sobreelevaciones de presión, calefacción y acondicionamiento y en cualquier otro uso que comporte el trasvase de líquidos limpios en general.

### APPLICATION

Centrifugal, monoblock and single-impeller electrical pumps with pump body, with connection to the motor by means of a support unit. With flanged inlet and delivery openings (PN 10) and threaded counter-flanges. These machines are ideal for pumping clean water and other chemically and mechanically non-aggressive liquids. They are adapt for civil, agricultural, industrial or general plant uses. Water supply, spray or flowing irrigation, autoclave feed, high pressure system, heating, conditioning and any other general service requiring transfer of clean liquids.

### SCM 32 / CS 32

TIPO TYPE		POTENCIA NOMINAL NOMINAL POWER		POTENCIA ABSORBIDA INPUT POWER	INTENSIDAD AMPERE		Q = CAUDAL - CAPACITY													
Monofásico Single-phase	Trifásico Three-phase	P2		P1	Monofásico Single- phase 1 x 220V	Trifásico Three- phase 3 x 380V	m <sup>3</sup> /h	6	7,5	9	12	15	18	21	24	27	30	33	36	
		HP	KW	KW			lt/1'	100	125	150	200	250	300	350	400	450	500	550	600	
							<i>Presión manométrica total en m.C.A. - Total head in meters w.c.</i>													
CSM 32-160 C	CS 32-160 C	2	1,5	2,7	12	4,8	H (m)	25,5	25,3	25	24	23	21,5	20	18	15,5				
CSM 32-160 B	CS 32-160 B	3	2,2	3,3	15	5		28,8	28,5	28	27	26	24,5	23	21,5	18,5	15,5			
	CS 32-160 A	4	3	4,3		7		36,5	36	35,5	34,5	33	31,5	30	28,5	26	23,5			
CSM 32-200 C	CS 32-200 C	5,5	4	5,7	27	8,8		40,7	40,5	40	39,5	39	38	36,5	35	33	31,5	29	26	
	CS 32-200 B	7,5	5,5	8,6		14		55,7	55,5	55	54,5	54	53	51,5	50	48	46,5	44,5	42,5	
	CS 32-200 A	10	7,5	9,5		15		60,7	60,5	60	59,5	58,5	57	55,5	54	52	49,5	47,5	45	
	CS 32-250 C	12,5	9,2	12		19			70	69,5	68,5	67,5	66	64,5	62,5	59,5	56	51	46	
	CS 32-250 B	15	11	13,5		21,5			81	80,5	79,5	78,5	77	75,5	73,5	71	67,5	63,5	58	
	CS 32-250 A	20	15	15,5		25			90,5	90	89,5	89	87,5	86	84	81,5	78	74	68,5	

### OPERATING CONDITIONS

- Liquid temperature up to 35°C (for home use according to EN 60335-2-41)
- Temperature max. liquid: 90°C (for other uses)
- Ambient temperature up to 40°C
- Total suction lift up to 7 mt.
- Continuous duty

### MOTOR

- Single-phase 230V-50Hz
- Three-phase 230/400V-50Hz P<sub>2</sub> ≤ 7,5 kW
- Three-phase 400/690V-50Hz P<sub>2</sub> > 7,5 kW
- Two-Pole induction motor (n = 2850 min<sup>-1</sup>)
- Insulation Class F
- Protection IP 55

### MATERIALS

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

### LÍMITES DE USO

- Temperatura del líquido hasta 35 °C (para un uso doméstico según la norma EN 60335-2-41)
- Temperatura máx. líquido: 90 °C (para otros usos)
- Temperatura ambiente hasta 40 °C.
- Altura de aspiración manométrica de hasta 7 m.
- Servicio continuo

### MOTOR

- Motor eléctrico por inducción de 2 polos
- Aislamiento Clase F
- Protección IP 55

### MATERIALES

- Cuerpo bomba Fundición
- Soporte Fundición
- Rodete Fundición
- Eje motor Acero inoxidable AISI 304
- Junta mecánica Cerámica/Grafito/NBR



# MONOBLOCK CENTRIFUGAL PUMPS



## SCM 40 / CS 40

TIPO TYPE		POTENCIA NOMINAL NOMINAL POWER		POTENCIA ABSORBIDA INPUT POWER	INTENSIDAD AMPERE		Q = CAUDAL - CAPACITY															
Monofásico Single-phase	Trifásico Three-phase	P2		P1	Monofásico Single-phase 1 x 220V	Trifásico Three-phase 3 x 380V	m³/h	9	12	15	18	21	24	27	30	33	36	39	42	48	54	
		HP	kW	kW			lt/1'	150	200	250	300	350	400	450	500	550	600	650	700	800	900	
Presión manométrica total en m.C.A. - Total head in meters w.c.																						
CSM 40-160 B	CS 40-160 B	4	3	4,8	22	7,5	H (m)	32,7	32,5	32,3	32	31,5	30,5	29,5	28	27	25,5	23	21			
CSM 40-160 A	CS 40-160 A	5,5	4	5,7	28	8,8		36,2	36	35,8	35,5	35	34	33	32	31	29,5	28	26	22		
	CS 40-200 B	7,5	5,5	8,6		14		46,5	46	45,5	45	44,5	43,5	42,5	41,5	40,5	39,5	38,5	37	34,5	31,5	
	CS 40-200 A	10	7,5	11,3		17,5		56	55,5	55	54,5	54	53	52	51	50	49	48	46,5	44	40,5	
	CS 40-250 B	15	11	15,5		24,5		74	73,9	73,8	73,7	73,5	73	72	71	70	68,5	67	65,5	61,5	54	
	CS 40-250 A	20	15	20		32		91,5	91,4	91,3	91,2	91	90,5	90	89	88	87	85,5	83,5	79,5	73	

## SCM 50 / CS 50

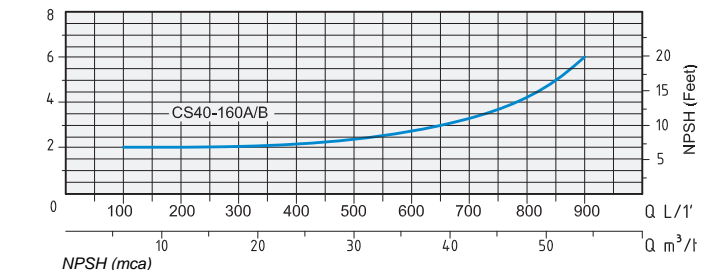
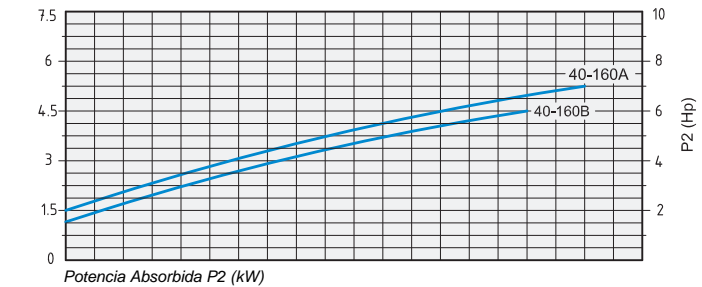
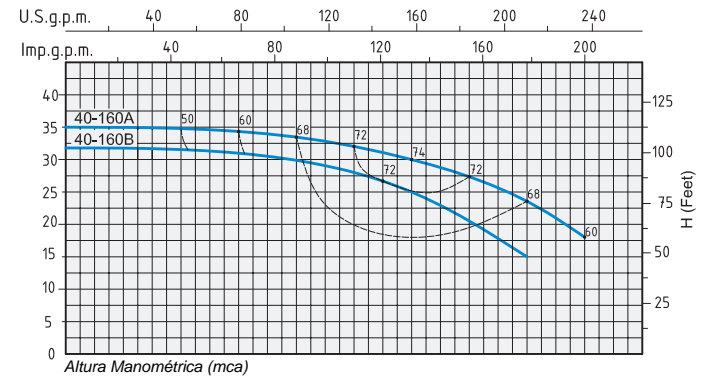
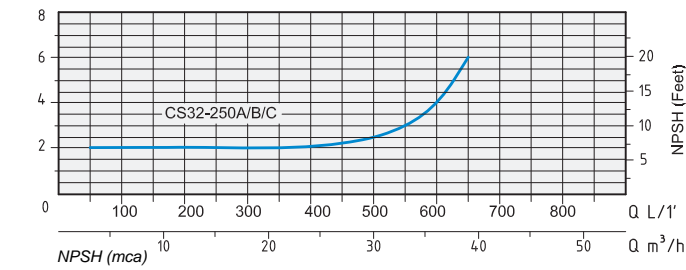
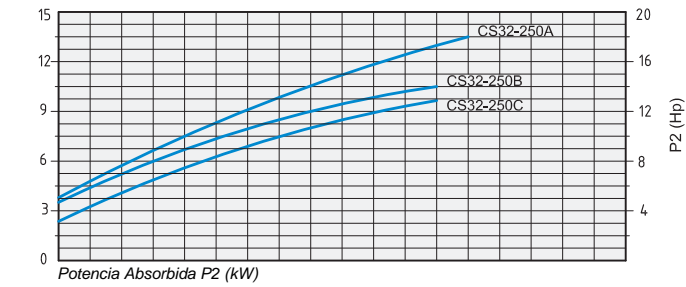
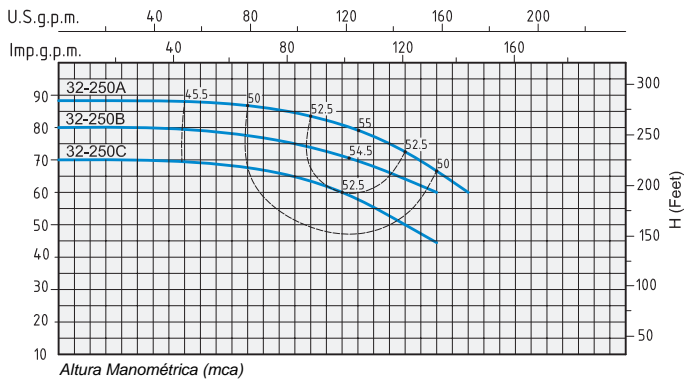
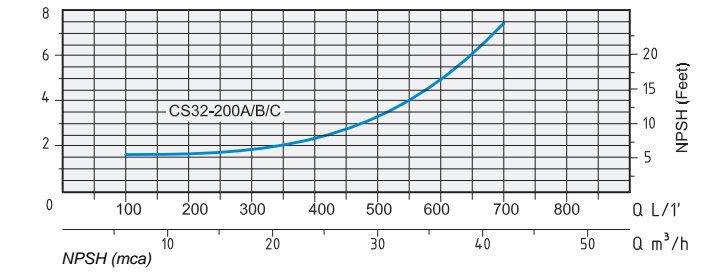
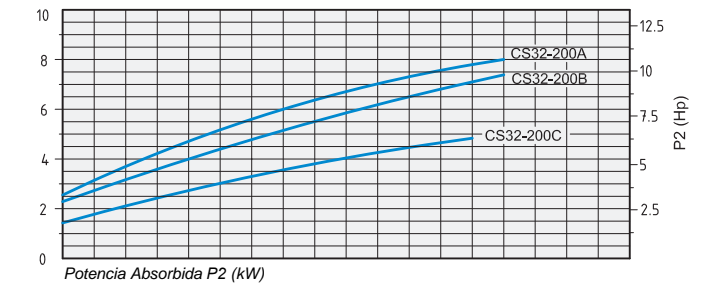
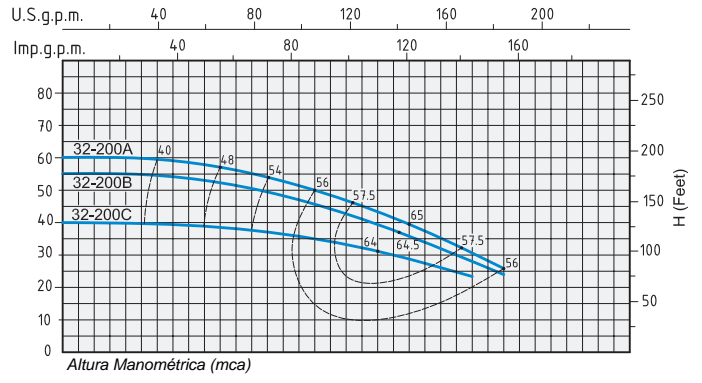
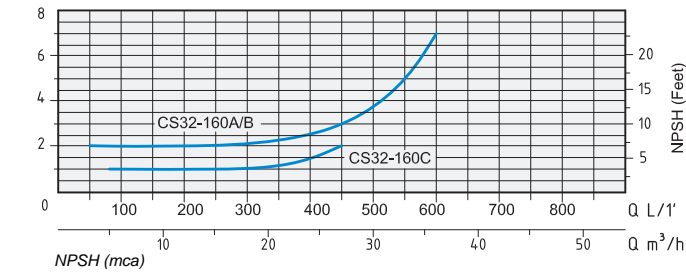
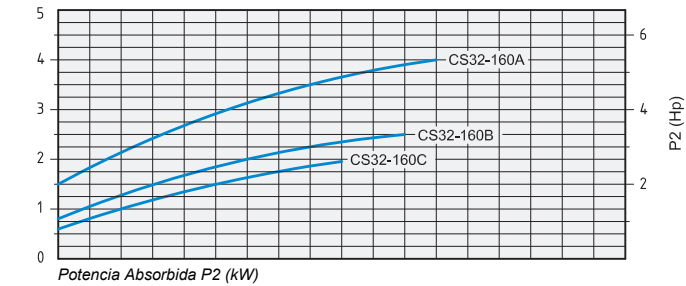
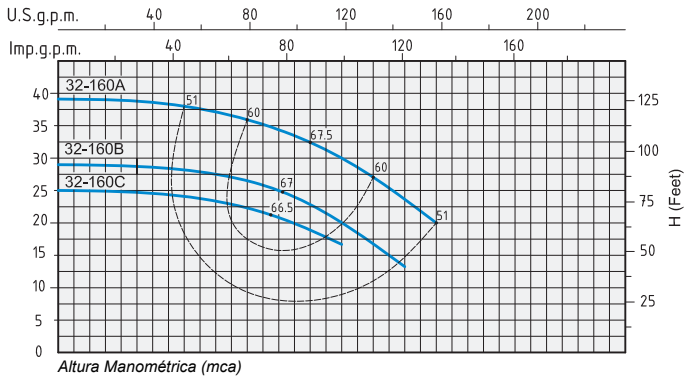
TIPO TYPE		POTENCIA NOMINAL NOMINAL POWER		POTENCIA ABSORBIDA INPUT POWER	INTENSIDAD AMPERE		Q = CAUDAL - CAPACITY															
Monofásico Single-phase	Trifásico Three-phase	P2		P1	Monofásico Single-phase 1x220V	Trifásico Three-phase 3x380V	m³/h	21	24	27	30	33	36	39	42	48	54	60	66	72	78	
		HP	kW	kW			lt/1'	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300	
Presión manométrica total en m.C.A. - Total head in meters w.c.																						
CSM 50-160 D	CS 50-160 D	4	3	4,8	22	7,5	H (m)	25	24,5	24	23,5	22,8	22	21,3	20,5	19	17	15	13	10		
CSM 50-160 C	CS 50-160 C	5,5	4	5,7	27	8,8		29,5	29,2	28,8	28,3	27,8	27,1	26,4	25,6	24	22,5	20,5	18	15,5		
	CS 50-160 B	7,5	5,5	8,2		13,2		37	36,8	36,5	36	35,5	35	34,5	34	32	30,5	28,5	26	23,5	20,5	
	CS 50-160 A	10	7,5	9,5		15		40	39,8	39,5	39	38,5	38	37,5	37	35	33,5	31,5	29	26,5	23	
	CS 50-200 C	12,5	9,2	12		19			48,7	48,5	48,2	47,8	47,5	47	46,5	45	43,5	42	39,5	37	33	
	CS 50-200 B	15	11	13,5		21,5			52,7	52,5	52,2	51,7	51,2	50,7	50,2	49,2	48	46	43,5	41	38	
	CS 50-200 A	20	15	18		29			64,5	64	63,5	63	62,5	62	61,5	60,5	59,5	58	56,5	54,5	51,5	
	CS 50-250 C	20	15	20		32				71,3	71	70,5	70	69,5	68,5	67	65	63	61	58	54	
	CS 50-250 B	25	18,5	23		36,5				80,8	80,5	80	79,5	79	78,5	77	75	73	70,5	68	65	
	CS 50-250 A	30	22,5	27		43				90	89,7	89,3	89	88,5	88	86,5	85	83	81	79	71	

## SCM 65 / CS 65

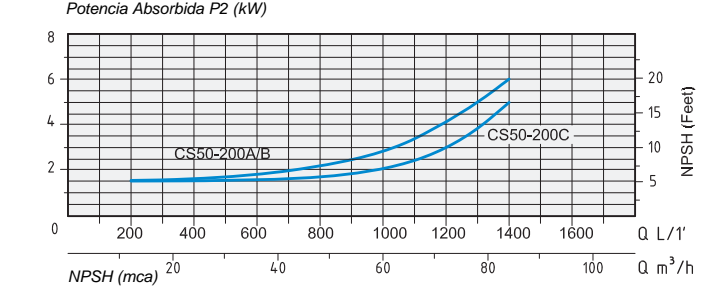
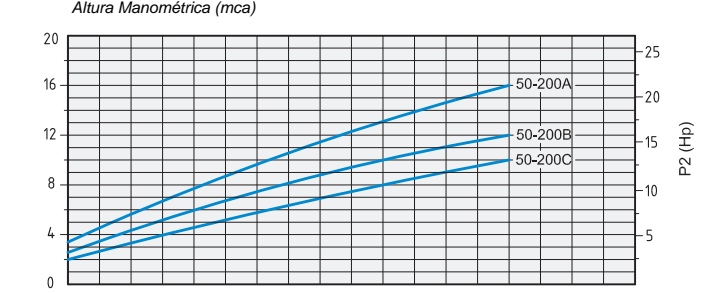
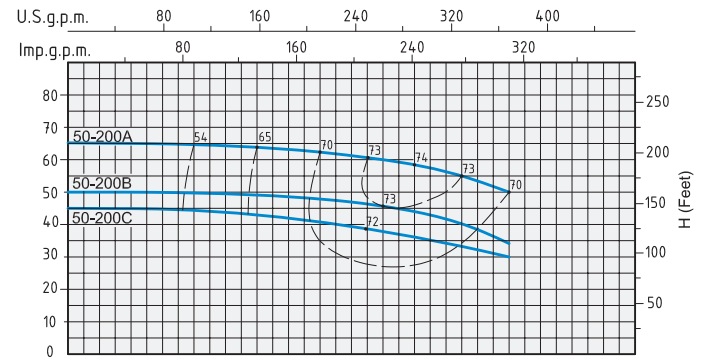
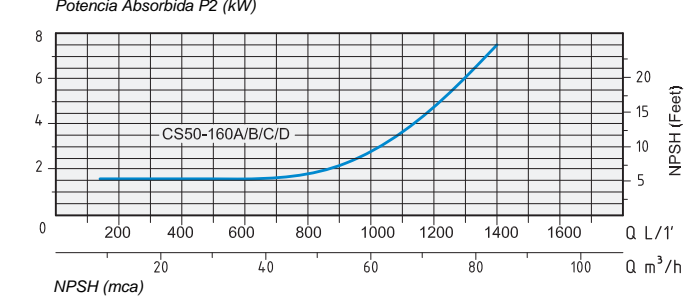
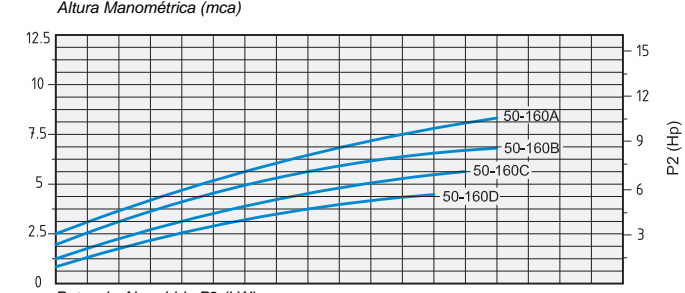
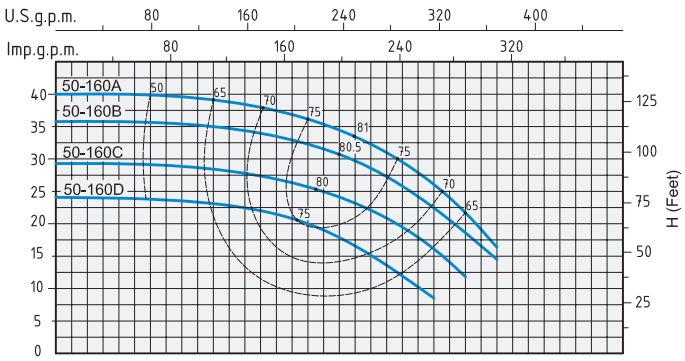
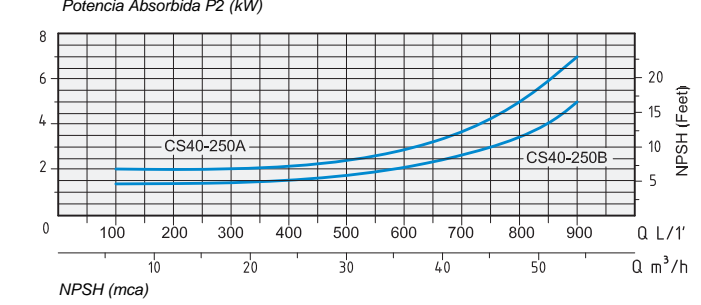
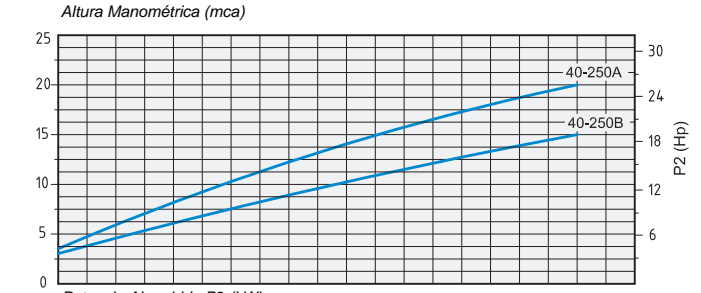
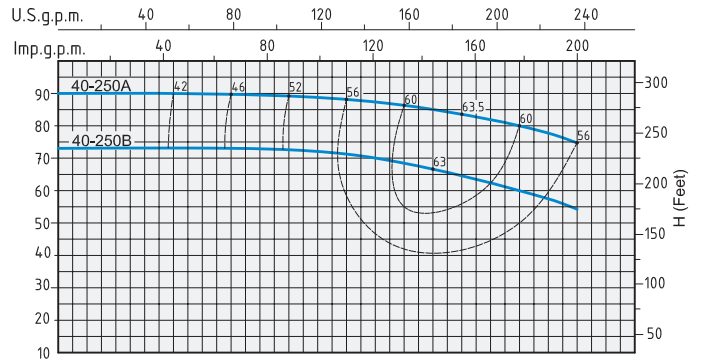
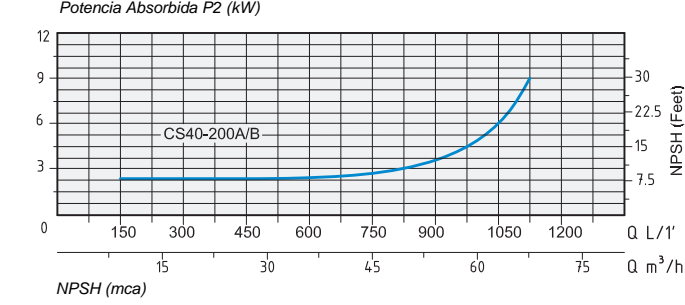
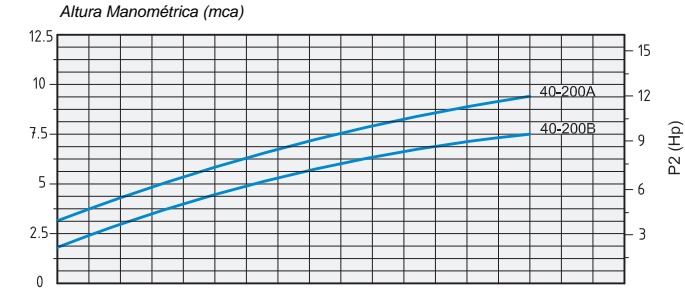
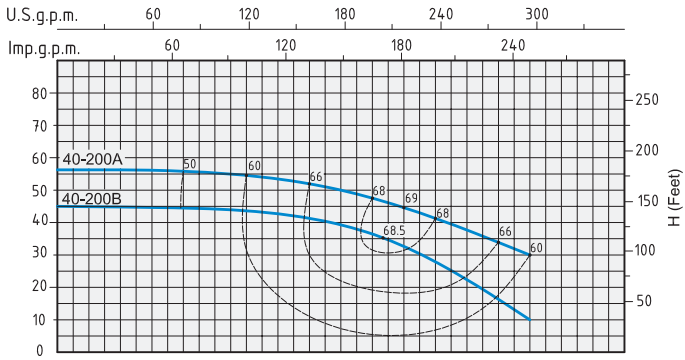
TIPO TYPE		POTENCIA NOMINAL NOMINAL POWER		POTENCIA ABSORBIDA INPUT POWER	INTENSIDAD AMPERE	Q = CAUDAL - CAPACITY																
Trifásico Three-phase	P2		P1	Trifásico Three-phase 3 x 380V	m³/h	42	48	54	60	66	72	78	84	96	108	120	132	144	156			
	HP	kW	kW		lt/1'	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600			
Presión manométrica total en m.C.A. - Total head in meters w.c.																						
CS 65-160 E	7,5	5,5	8	13	H (m)	24,5	24,2	24	23,5	23	22,5	21,5	20,5	18,5	16	12,5						
CS 65-160 D	10	7,5	10	16		28,5	28,2	28	27,5	27	26,5	25,8	25	23	21	18	14					
CS 65-160 C	12,5	9,2	11,5	18,5		32	31,7	31,5	31,2	30,7	30,2	29,7	29	27	25	22	19	16				
CS 65-160 B	15	11	13,5	21,5		35,5	35	34,8	34,5	34	33,5	33	32,5	31	29	26,5	24	20				
CS 65-160 A	20	15	16	26		40	39,5	39	38,5	38	37,5	37	36,5	35,5	33,5	31	28,5	26				
CS 65-200 C	20	15	20	32			48,5	48	47,5	47	46,2	45,5	44,5	42,5	40,5	38	34,5	31				
CS 65-200 B	25	18,5	23	36,5			52,5	52	51,5	51	50,5	50	49	47	45	43	40	36				
CS 65-200 A	30	22,5	27	43			60,5	60	59,5	59	58,5	58	57,5	56	54,5	52,5	49,5	45,5				
CS 65-250 B	40	30	37	58			79	78,5	78	77	76	75	74	72	69	66	63	58				
CS 65-250 A	50	37	46	72			89,5	89	88,5	87,5	86,5	85,5	84	82,5	80	77	74	70				

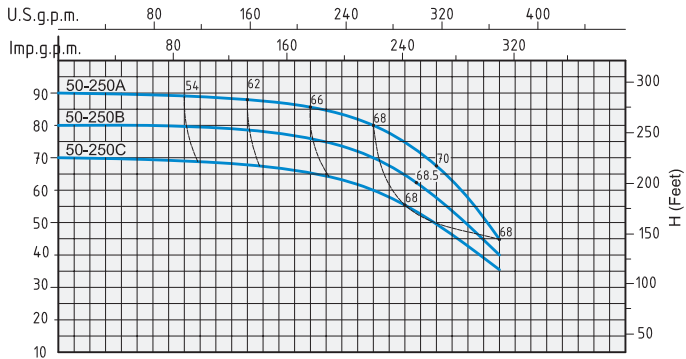
## SCM 80 / CS 80

TIPO TYPE		POTENCIA NOMINAL NOMINAL POWER		POTENCIA ABSORBIDA INPUT POWER	INTENSIDAD AMPERE	Q = CAUDAL - CAPACITY																
Trifásico Three-phase	P2		P1	Trifásico Three-phase 3 x 380V	m³/h	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240	
	HP	kW	kW		lt/1'	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	
Presión manométrica total en m.C.A. - Total head in meters w.c.																						
CS 80-160 D	15	11	12,5	20,5	H (m)	27,5	27,4	27,3	27,1	26,4	25,2	24	22,5	21	19,2	17,4	15,5					
CS 80-160 C	20	15	15	24		30,6	30,5	30,4	30,2	29,6	28,7	27,5	26,2	24,8	23,2	21,5	19,6	17				
CS 80-160 B	25	18,5	18,5	30		35	34,9	34,8	34,6	34,1	33,4	32,5	31,3	30,2	28,7	27	25,3	22,8	20			
CS 80-160 A	30	22,5	22	35		38,6	38,5	38,2	38	37,7	37	36,3	35,3	34,2	33	31,6	30	27,8	25	22		
CS 80-200 B	40	30	33,5	54		54,1	54	53,8	53,6	53,1	52,2	51,3	50,4	49,2	47,7	46,2	44,2	41,2	38	33,6	28,5	
CS 80-200 A	50	37	39	62		58,8	58,7	58,5	58,3	57,8	57,2	56,3	55,4	54,2	53	51,5	50	48	45	42	39	

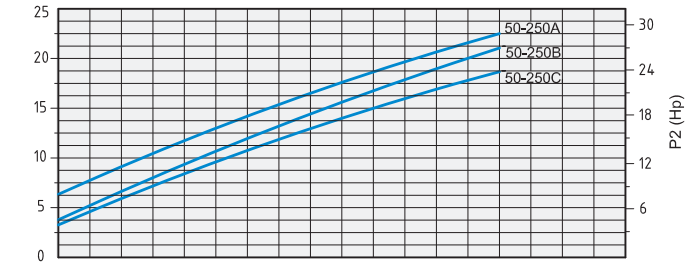


# MONOBLOCK CENTRIFUGAL PUMPS

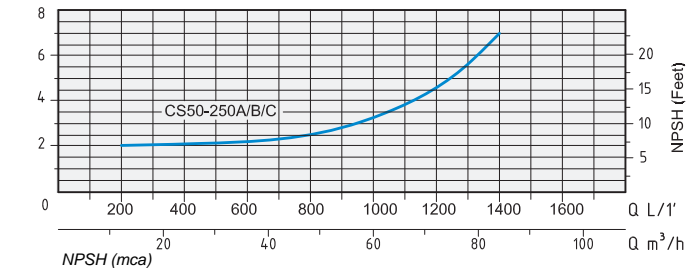




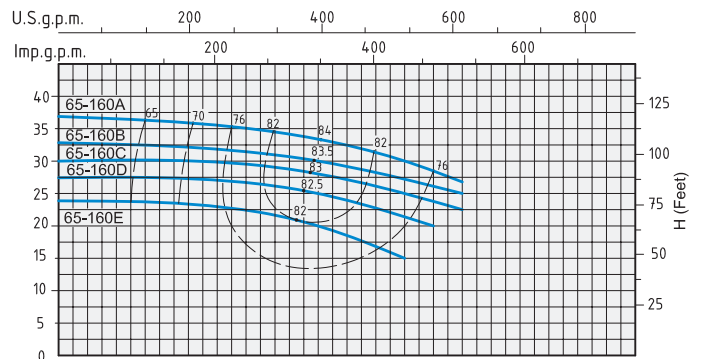
Altura Manométrica (mca)



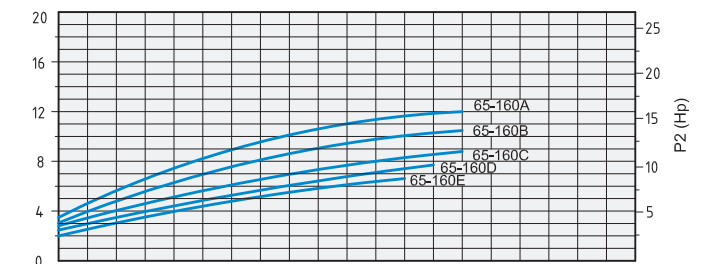
Potencia Absorbida P2 (kW)



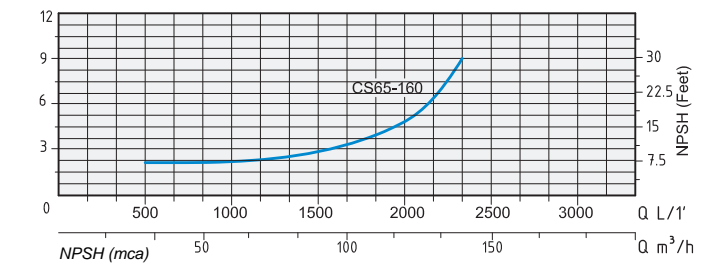
NPSH (mca)



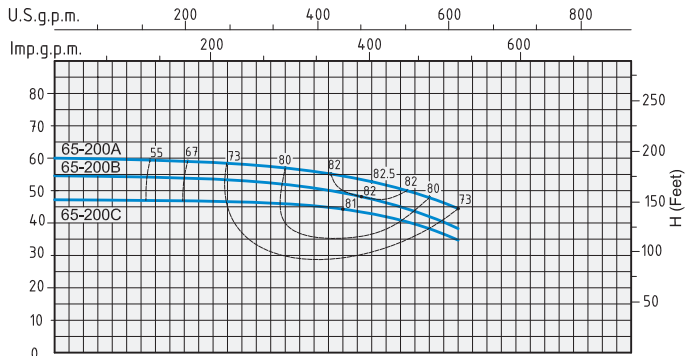
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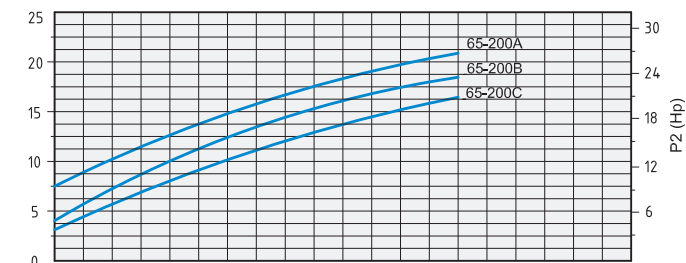
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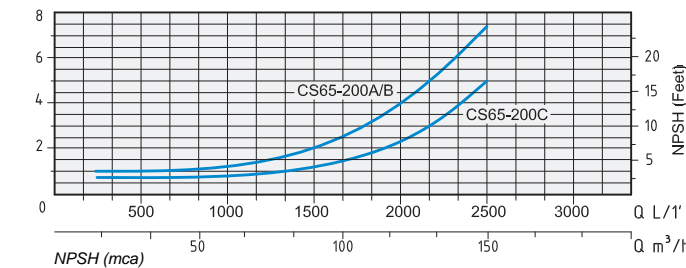
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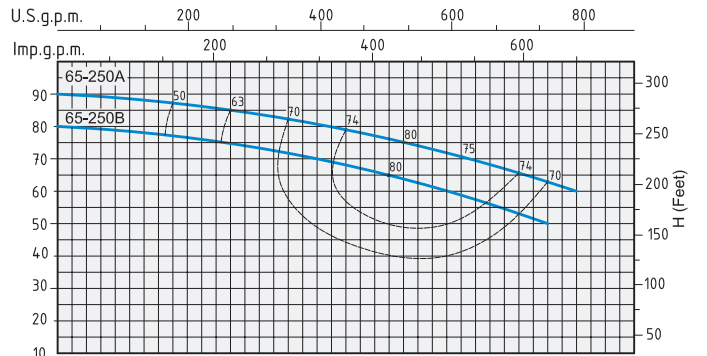
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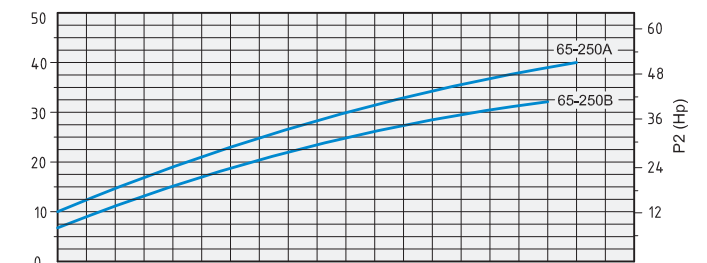
Potencia Absorbida P2 (kW)



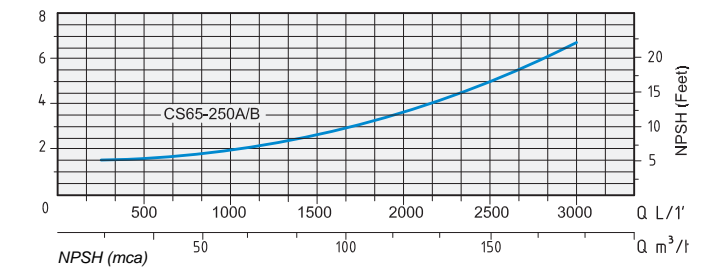
NPSH (mca)



Altura Manométrica (mca)

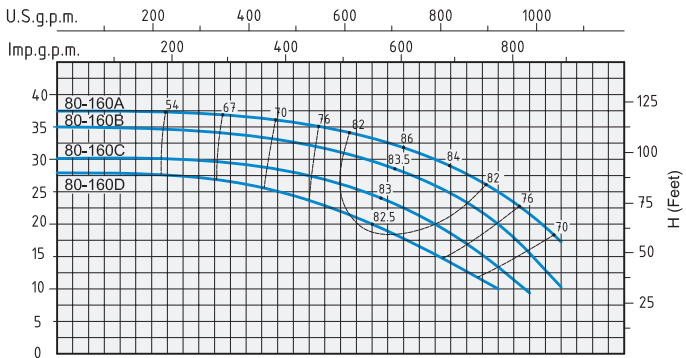


Potencia Absorbida P2 (kW)

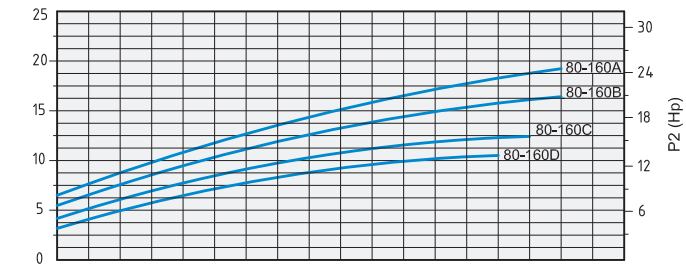


NPSH (mca)

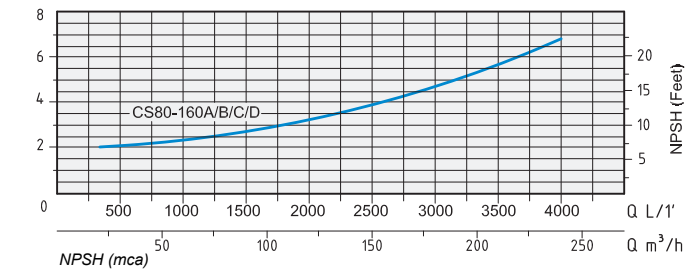
# MONOBLOCK CENTRIFUGAL PUMPS



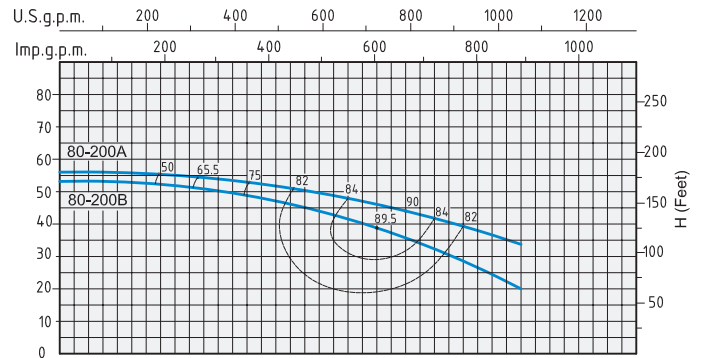
Altura Manométrica (mca)



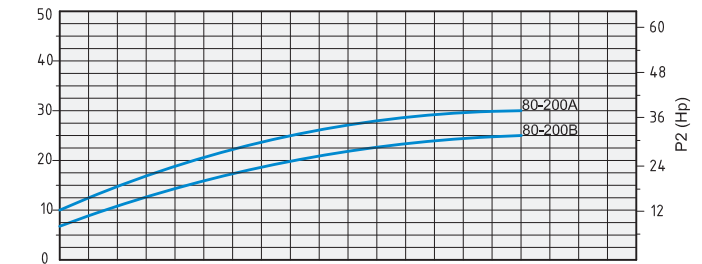
Potencia Absorbida P2 (kW)



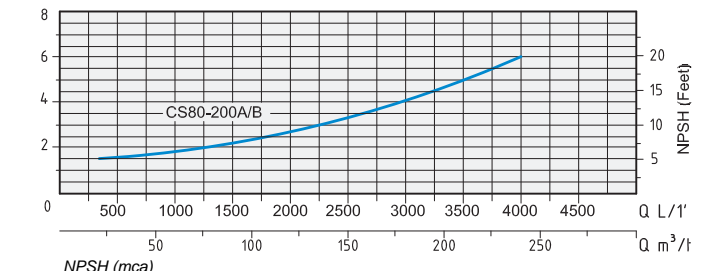
NPSH (mca)



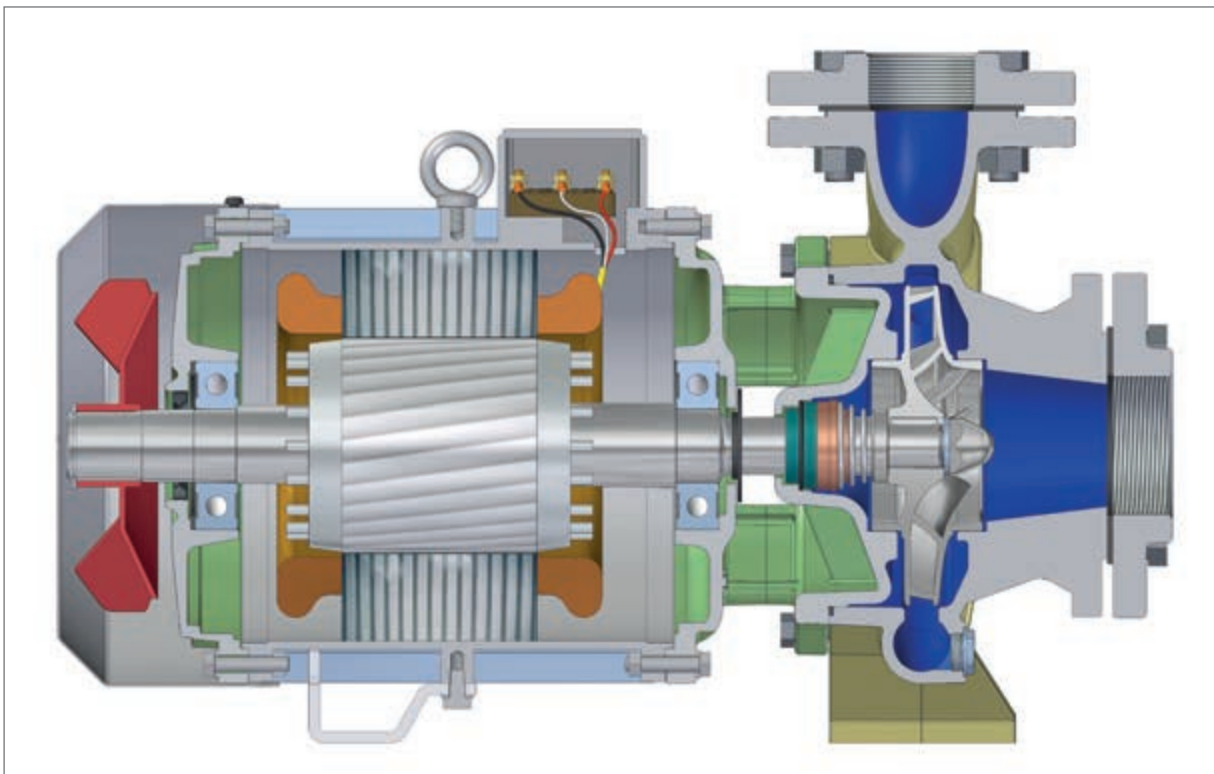
Altura Manométrica (mca)

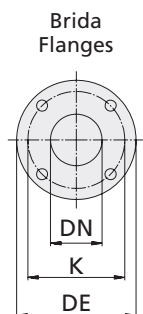
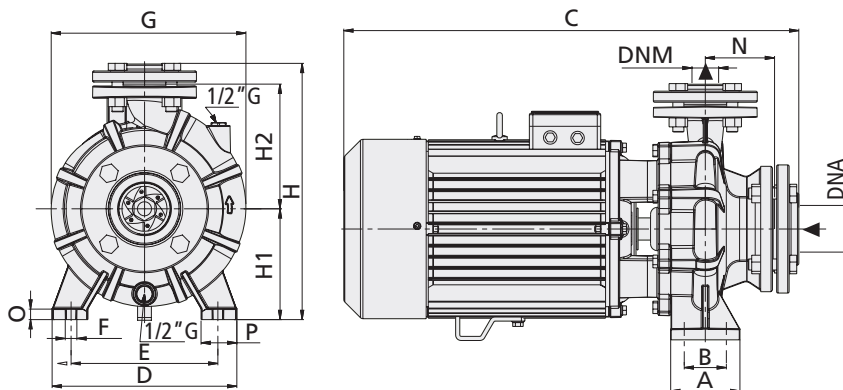


Potencia Absorbida P2 (kW)



NPSH (mca)





DIMENSIONES mm - DIMENSIONS mm				
DN	DE	K	Orificios - Holes	
			n°	Ø
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	8	18
100	220	180	8	18

TIPO TYPE		DIMENSIONES mm - DIMENSIONS mm															DIMENSIONES DIMENSIONS mm			PESO WEIGHT
Monofásico Single-phase	Trifásico Three-phase	A	B	C	D	E	F	G	H	H1	H2	N	O	P	DNA	DNM	P	L	H	Kg
CSM 32-160 C	CS 32-160 C	100	70	480	240	190	15	240	322	132	160	80	13,5	50	50	32	270	540	430	39,4
CSM 32-160 B	CS 32-160 B	100	70	480	240	190	15	240	322	132	160	80	13,5	50	50	32	270	540	430	43,5
	CS 32-160 A	100	70	510	240	190	15	240	322	132	160	80	13,5	50	50	32	270	540	430	48,1
CSM 32-200 C	CS 32-200 C	100	70	530	240	190	15	273	370	160	180	80	15	50	50	32	317	680	495	58,6
	CS 32-200 B	100	70	630	240	190	15	273	370	160	180	80	15	50	50	32	317	680	495	72,3
	CS 32-200 A	100	70	630	240	190	15	273	370	160	180	80	15	50	50	32	317	680	495	76,4
	CS 32-250 C	125	95	745	320	250	15	335	445	180	225	100	18	65	50	32	372	805	550	129
	CS 32-250 B	125	95	745	320	250	15	335	445	180	225	100	18	65	50	32	372	805	550	129,5
	CS 32-250 A	125	95	745	320	250	15	335	445	180	225	100	18	65	50	32	372	805	550	139,5

TIPO TYPE		DIMENSIONES mm - DIMENSIONS mm															DIMENSIONES DIMENSIONS mm			PESO WEIGHT
Monofásico Single-phase	Trifásico Three-phase	A	B	C	D	E	F	G	H	H1	H2	N	O	P	DNA	DNM	P	L	H	Kg
CSM 40-160 B	CS 40-160 B	100	70	550	240	190	15	240	322	132	160	80	15	50	65	40	290	570	420	57,9
CSM 40-160 A	CS 40-160 A	100	70	550	240	190	15	240	322	132	160	80	15	50	65	40	290	570	420	60,7
	CS 40-200 B	100	70	640	265	212	15	281	370	160	180	100	15	50	65	40	317	680	495	75,8
	CS 40-200 A	100	70	640	265	212	15	281	370	160	180	100	15	50	65	40	317	680	495	79,6
	CS 40-250 B	125	95	745	320	250	15	335	435	180	225	100	18	65	65	40	372	805	550	130,1
	CS 40-250 A	125	95	745	320	250	15	335	435	180	225	100	18	65	65	40	372	805	550	140,1

# MONOBLOCK CENTRIFUGAL PUMPS



TIPO TYPE		DIMENSIONES mm - DIMENSIONS mm															DIMENSIONES DIMENSIONS mm			PESO WEIGHT Kg
Monofásico Single-phase	Trifásico Three-phase	A	B	C	D	E	F	G	H	H1	H2	N	O	P	DNA	DNM	P	L	H	Kg
CSM 50-160 D	CS 50-160 D	100	70	570	265	212	15	268	372	160	180	100	15	50	65	50	317	680	495	62,1
CSM 50-160 C	CS 50-160 C	100	70	570	265	212	15	268	372	160	180	100	15	50	65	50	317	680	495	65
	CS 50-160 B	100	70	650	265	212	15	268	372	160	180	100	15	50	65	50	317	680	495	74,8
	CS 50-160 A	100	70	650	265	212	15	268	372	160	180	100	15	50	65	50	317	680	495	79,1
	CS 50-200 C	100	70	745	265	212	15	335	425	160	200	100	18	50	65	50	372	805	550	123,1
	CS 50-200 B	100	70	745	265	212	15	335	425	160	200	100	18	50	65	50	372	805	550	125
	CS 50-200 A	100	70	745	265	212	15	335	425	160	200	100	18	50	65	50	372	805	550	132,1
	CS 50-250 C	125	95	750	320	250	15	340	435	180	225	100	18	65	65	50	395	865	561	142,2
	CS 50-250 B	125	95	795	320	250	15	340	435	180	225	100	18	65	65	50	395	865	561	155,4
	CS 50-250 A	125	95	825	320	250	15	360	455	180	225	100	18	65	65	50	395	865	561	210,5

TIPO TYPE		DIMENSIONES mm - DIMENSIONS mm															DIMENSIONES DIMENSIONS mm			PESO WEIGHT Kg
Trifase - Three-phase		A	B	C	D	E	F	G	H	H1	H2	N	O	P	DNA	DNM	P	L	H	Kg
	CS 65-160 E	125	95	610	280	212	15	295	395	160	200	100	18	65	80	65	317	680	495	82,2
	CS 65-160 D	125	95	610	280	212	15	295	395	160	200	100	18	65	80	65	317	680	495	85,6
	CS 65-160 C	125	95	750	280	212	15	340	425	160	200	100	18	65	80	65	372	805	550	125,2
	CS 65-160 B	125	95	750	280	212	15	340	425	160	200	100	18	65	80	65	372	805	550	125,5
	CS 65-160 A	125	95	750	280	212	15	340	425	160	200	100	18	65	80	65	395	865	561	137,2
	CS 65-200 C	125	95	745	320	250	15	335	445	180	225	100	18	65	80	65	395	865	561	141,5
	CS 65-200 B	125	95	790	320	250	15	335	445	180	225	100	18	65	80	65	395	865	561	156,5
	CS 65-200 A	125	95	825	320	250	15	360	455	180	225	100	18	65	80	65	395	865	561	215,5
	CS 65-250 B	160	120	825	360	280	18	370	485	200	250	100	18	85	80	65	395	935	580	250,1
	CS 65-250 A	160	120	825	360	280	18	370	485	200	250	100	18	85	80	65	395	935	580	258,2

TIPO TYPE		DIMENSIONES mm - DIMENSIONS mm															DIMENSIONES DIMENSIONS mm			PESO WEIGHT Kg
Trifásico Three-phase		A	B	C	D	E	F	G	H	H1	H2	N	O	P	DNA	DNM	P	L	H	Kg
	CS 80-160 D	125	95	790	320	250	15	350	445	180	225	125	18	65	100	80	395	865	561	139,2
	CS 80-160 C	125	95	790	320	250	15	350	445	180	225	125	18	65	100	80	395	865	561	148,5
	CS 80-160 B	125	95	835	320	250	15	350	445	180	225	125	18	65	100	80	395	865	561	161,2
	CS 80-160 A	125	95	870	320	250	15	360	445	180	225	125	18	65	100	80	395	935	580	219,1
	CS 80-200 B	125	95	900	345	280	15	360	470	180	250	125	18	65	100	80	395	935	580	247,2
	CS 80-200 A	125	95	900	345	280	15	360	470	180	250	125	18	65	100	80	395	935	580	258,5