

2CM (EN 733)



Pressurisation units with 2 centrifugal flanged pumps of CM EN733 series on a single skid, connected in parallel by suction and delivery manifolds.

They are available in fixed speed version with electronic control panel or in variable speed version with EPIC-A or IPFC inverters for constant pressure. The key characteristics of these systems are their reliability, user-friendly operation, and low maintenance needs. Installation of a pressure tank is required.

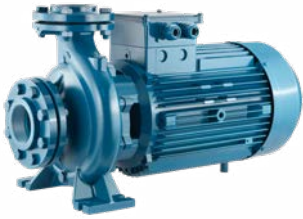
Booster set features

Suction manifold	galvanized steel with non-return and isolation valves
Delivery manifold	galvanized steel with pressure gauge and isolation valves, two connectors in the delivery manifold for direct installation of pressure tanks up to 24 lt
Base frame	galvanized steel
Fixed speed	electronic control panel EQ2SM(T) (3~ up to 15kW), electromechanical control panel Q2ST (3~ from 18,5kW to 37kW) and two pressure switches
Variable speed	inverter EPIC-A or IPFC on each pump and two pressure sensors
Pressure tanks	available on request as accessories

Pump features

Pump body	cast iron
Motor bracket	cast iron
Impeller	cast iron, bronze or stainless steel
Mechanical seal	ceramic-graphite-NBR
Pump shaft end	stainless steel AISI 304
Liquid temperature	-10 ÷ +90 °C
Operating pressure	max 10 bar
2 Poles induction motor	3~ 230/400V - 50Hz P ≤ 4kW 3~ 400/690V - 50Hz P > 4kW 1~ 230V-50Hz
Motor insulation class	F
Motor protection degree	IPX5

Threaded centrifugal pumps



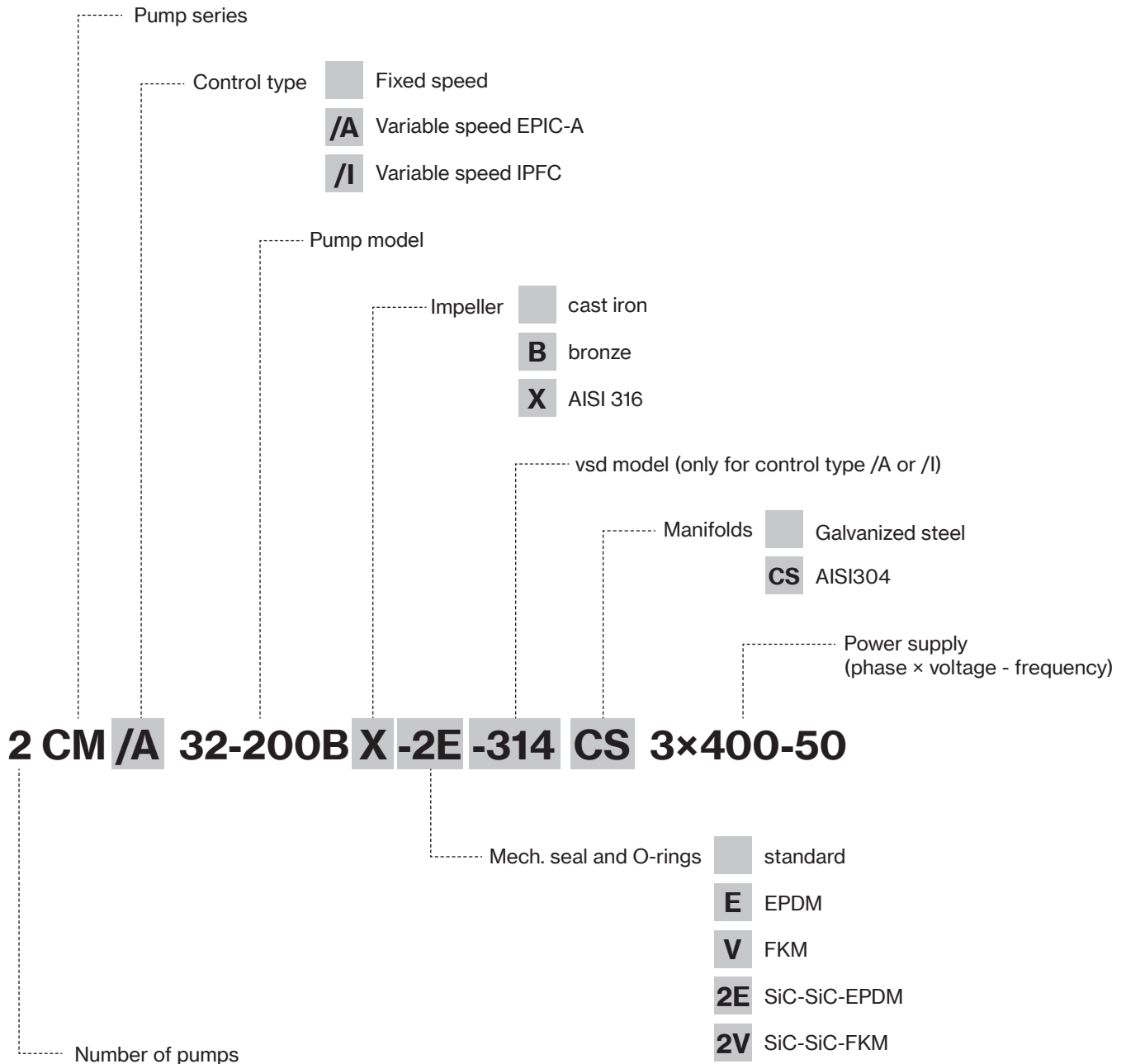
CM EN 733

P2	4+50 [HP]
Q max	150 [m³/h]
H max	93,6 [m]

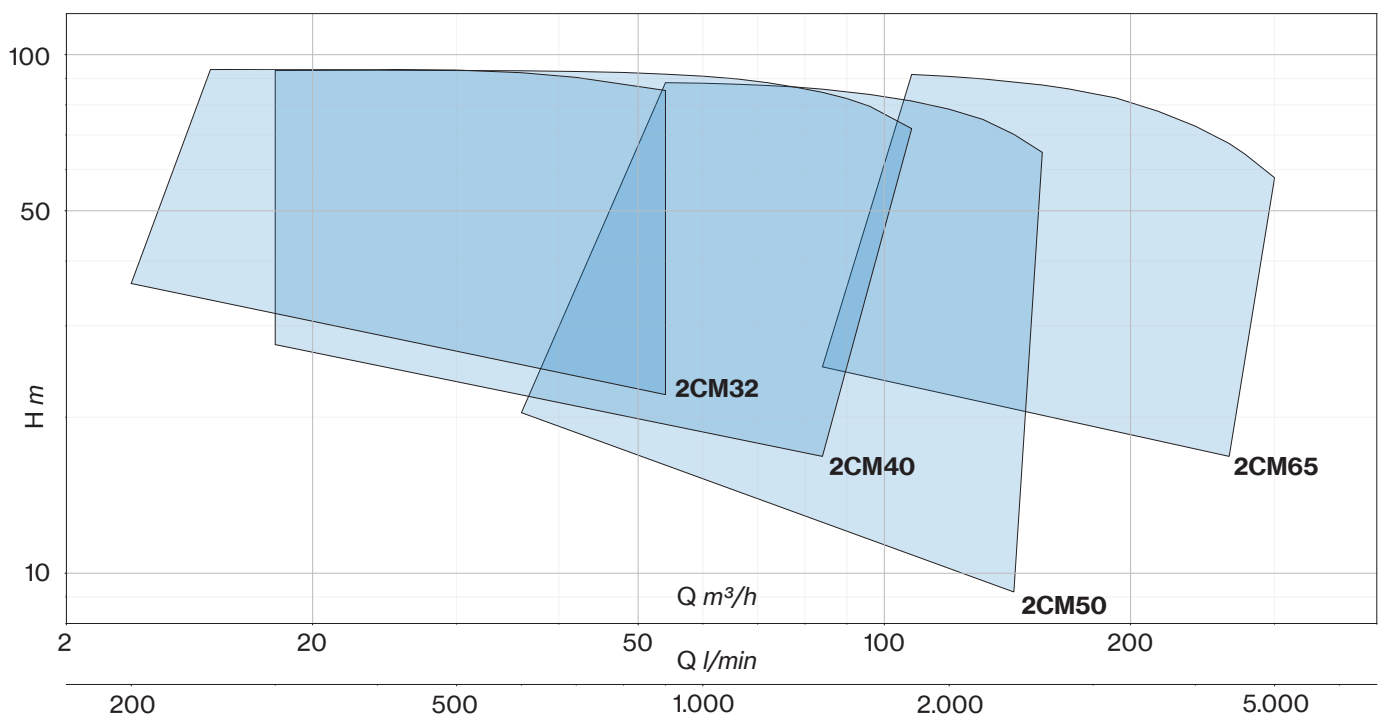


Monobloc horizontal centrifugal pumps, constructed in compliance with EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications; standard supply with counter-flange.

Name key



Performance data and curves



2CM (EN 733)

PERFORMANCE

TARGET (2 pumps)		MODEL			P2 NOMINAL		Q (m³/h - l/min)												
		FIXED SPEED	VARIABLE SPEED				0	12	15	18	24	30	36	42	48	54	60	66	
m³/h	bar	3-400V	EPIC-A	IPFC	HP (x2)	kW (x2)	H (m)												
			3-400V-in 3-400V-out				0	200	250	300	400	500	600	700	800	900	1000	1100	
36	3	2CM32-160A	2CM/A32-160A-309	2CM/I 32-160A-309	4	3	36,1	36,2	36,0	35,6	34,6	33,2	31,4	28,9	25,7	22,1			
	3,5	2CM32-200C	2CM/A32-200C-314	2CM/I 32-200C-311	5,5	4	40,2	40,3	40,1	39,8	38,9	37,7	36,1	34,2	31,6	28,7			
42	4	2CM32-200B	2CM/A32-200B-314	2CM/I 32-200B-314	7,5	5,5	48,3	48,0	47,9	47,6	46,7	45,5	44,2	42,6	40,5	37,9	35,4		
	5	2CM32-200A	2CM/A32-200A-318	2CM/I 32-200A-318	10	7,5	57,9	58,3	58,4	58,4	58,0	57,1	55,6	53,8	51,4	49,2	46,6	44,3	
	6,5	2CM32-250C	2CM/A32-250C-318	2CM/I 32-250C-318	12,5	9,2	74,6		72,8	72,5	71,9	70,5	68,8	66,6	64,1	61,3			
	7,5	2CM32-250B	2CM/A32-250B-325	2CM/I 32-250B-325	15	11	84,8		84,0	83,9	83,6	82,7	81,1	78,6	75,4	73,2			
	8,5	2CM32-250A	2CM/A32-250A-330	2CM/I 32-250A-330	20	15	93,5		93,6	93,7	93,7	93,4	92,3	90,4	87,7	85,3			

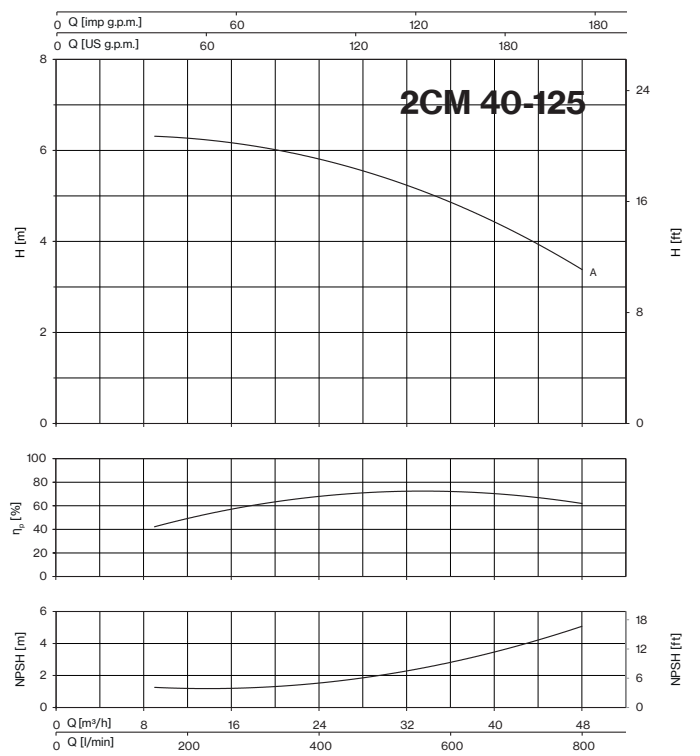
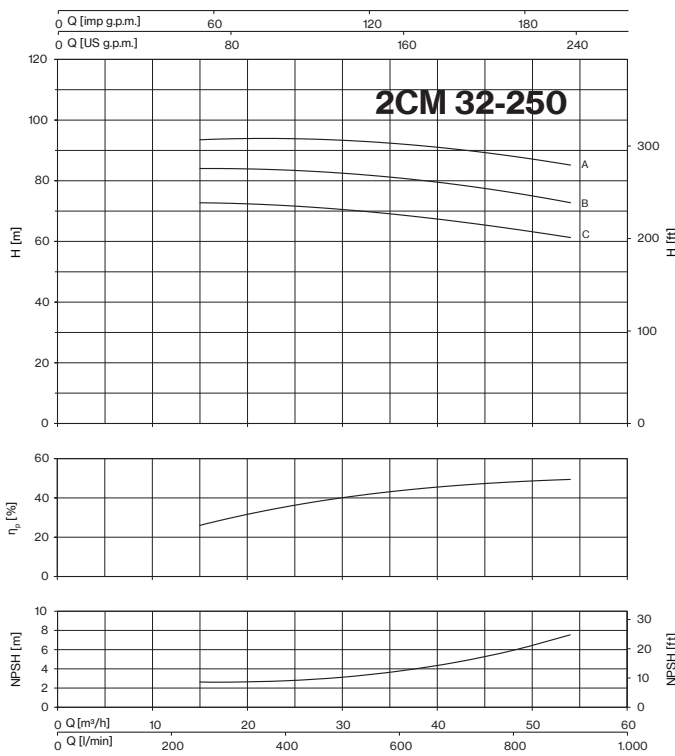
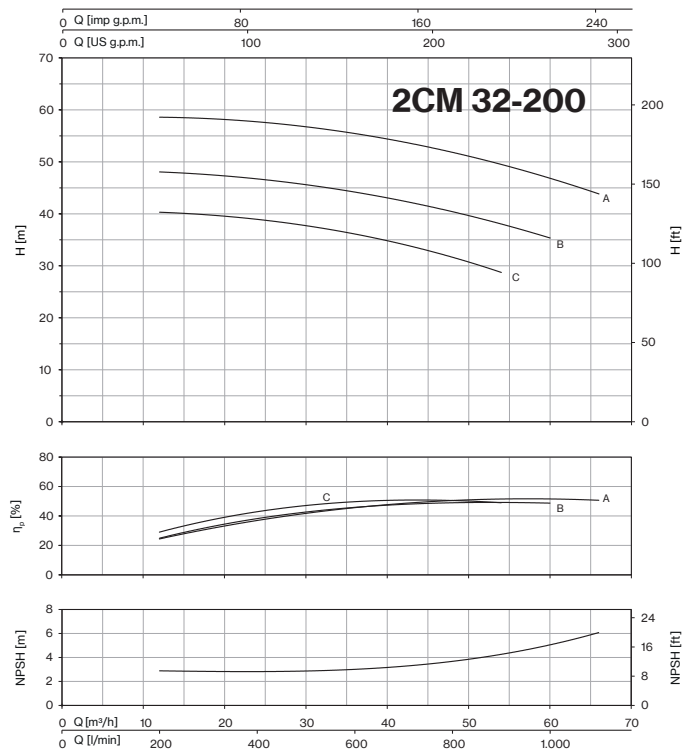
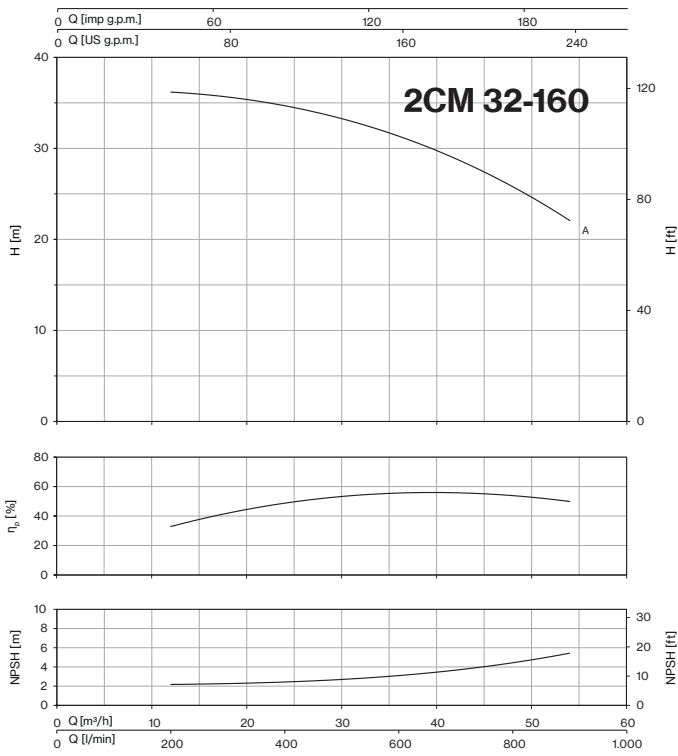
TARGET (2 pumps)		MODEL			P2 NOMINAL		Q (m³/h - l/min)													
		FIXED SPEED	VARIABLE SPEED				0	18	36	42	48	54	60	66	72	78	84	90	96	108
m³/h	bar	3-400V	EPIC-A	IPFC	HP (x2)	kW (x2)	H (m)													
			3-400V-in 3-400V-out				0	300	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
54	2	2CM40-125A	2CM/A40-125A-309	2CM/I 40-125A-309	4	3	26,8	27,6	27,2	26,5	25,7	24,6	23,4	22,0	20,3	18,5	16,8			
	3	2CM40-160A	2CM/A40-160A-314	2CM/I 40-160A-311	5,5	4	38,8	34,9	33,9	33,2	32,4	31,3	30,0	28,5	26,9	25,2	23,4			
	4	2CM40-200B	2CM/A40-200B-314	2CM/I 40-200B-314	7,5	5,5	44,6	45,5	44,5	43,5	42,3	41,0	39,3	37,2	34,9	32,3	29,4			
	5	2CM40-200A	2CM/A40-200A-318	2CM/I 40-200A-318	10	7,5	56,2	56,5	55,9	55,1	54,1	52,8	51,2	49,3	47,0	44,4	41,6			
66	5	2CM40-200AP	2CM/A40-200AP-318	2CM/I 40-200AP-318	12,5	9,2	61,7	61,4	60,0	59,1	57,9	56,4	54,7	53,1	51,1	48,5	45,5	42,2		
	6,5	2CM40-250B	2CM/A40-250B-325	2CM/I 40-250B-325	15	11	73,7	73,9	71,9	71,1	70,2	69,2	68,1	66,7	64,7	62,1				
72	7,5	2CM40-250A	2CM/A40-250A-330	2CM/I 40-250A-330	20	15	82,6	84,6	84,3	83,4	82,4	81,3	80,0	78,5	76,9	75,4	72,8	69,0		
84	8,5	2CM40-250BM	2CM/A40-250BM-338	2CM/I 40-250BM-338	25	18,5	92,6	93,2	93,1	92,8	92,4	91,7	90,9	89,8	88,3	86,5	84,6	82,3	79,5	72,0

TARGET (2 pumps)		MODEL			P2 NOMINAL		Q (m³/h - l/min)													
		FIXED SPEED	VARIABLE SPEED				0	36	42	48	54	60	72	84	96	108	120	132	144	156
m³/h	bar	3-400V	EPIC-A	IPFC	HP (x2)	kW (x2)	H (m)													
			3-400V-in 3-400V-out				0	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2600
96	1,5	2CM50-125B	2CM/A50-125B-309	2CM/I 50-125B-309	4	3	20,0	20,4	20,3	20,1	19,9	19,6	18,7	17,6	16,4	15,0	13,2	11,3	9,2	
	2	2CM50-125A	2CM/A50-125A-314	2CM/I 50-125A-311	5,5	4	23,7	24,2	24,1	23,9	23,7	23,3	22,6	21,7	20,7	19,6	18,2	16,4	14,2	
108	2,5	2CM50-160B	2CM/A50-160B-314	2CM/I 50-160B-314	7,5	5,5	32,1		33,5	33,4	33,1	32,7	31,6	30,2	28,3	26,2	23,9	21,5	18,9	
120	3	2CM50-160A	2CM/A50-160A-318	2CM/I 50-160A-318	10	7,5	38,1		39,8	39,8	39,8	39,6	38,8	37,7	36,1	34,1	32,1	29,9	27,6	25,4
	3,5	2CM50-200C	2CM/A50-200C-325	2CM/I 50-200C-325	12,5	9,2	48,2			49,7	49,2	48,5	46,9	44,9	42,6	40,0	36,0	32,3	28,9	
	4	2CM50-200B	2CM/A50-200B-325	2CM/I 50-200B-325	15	11	53,1			54,6	54,1	53,5	52,2	50,4	48,1	45,5	42,7	38,8	35,0	
	5	2CM50-200A	2CM/A50-200A-330	2CM/I 50-200A-330	20	15	59,9			61,8	61,5	61,0	59,7	58,0	56,0	53,6	50,8	47,8	44,4	39,8
	6,5	2CM50-250B	2CM/A50-250B-338	2CM/I 50-250B-338	25	18,5	78,8				78,4	78,0	77,0	75,1	72,9	70,3	66,9	62,9	58,5	
	7,5	2CM50-250A	2CM/A50-250A-344	2CM/I 50-250A-348	30	22	88,5				88,3	88,1	87,2	85,8	83,8	81,4	78,5	75,0	70,2	64,8

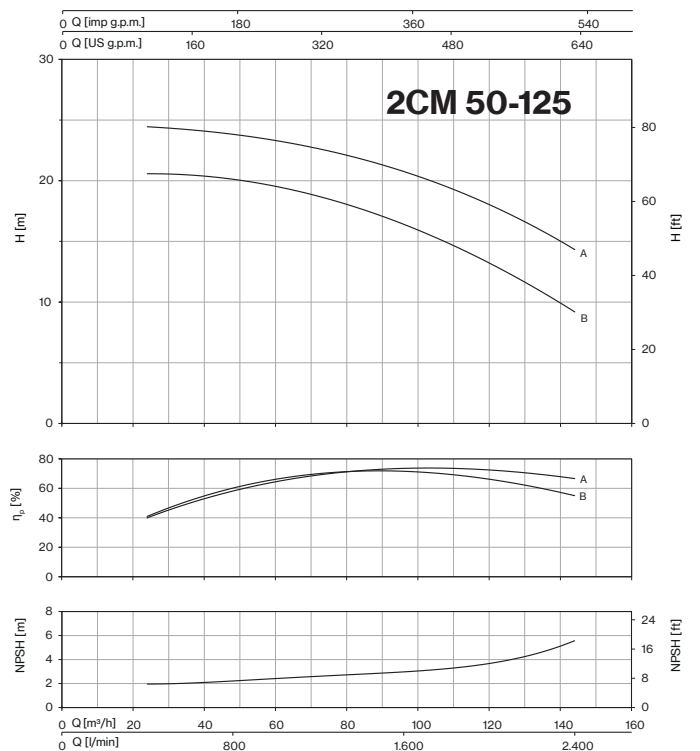
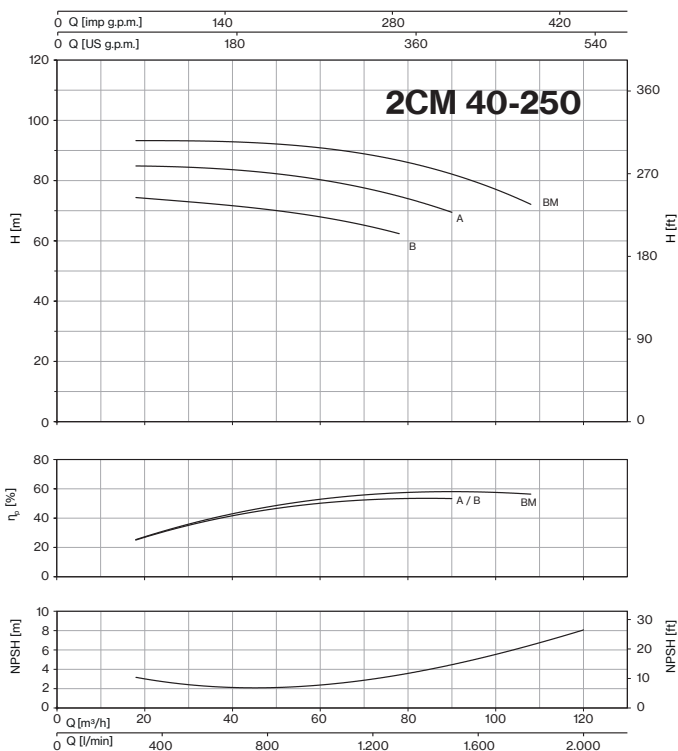
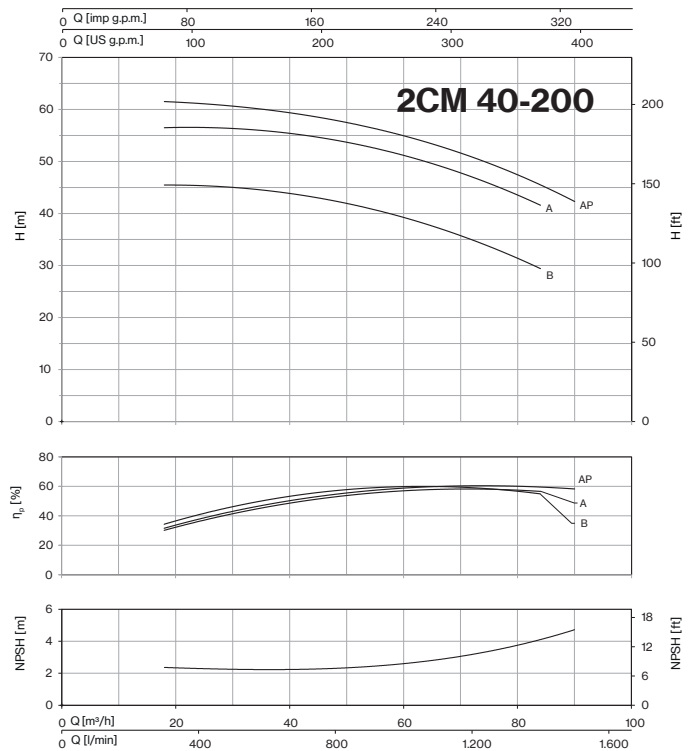
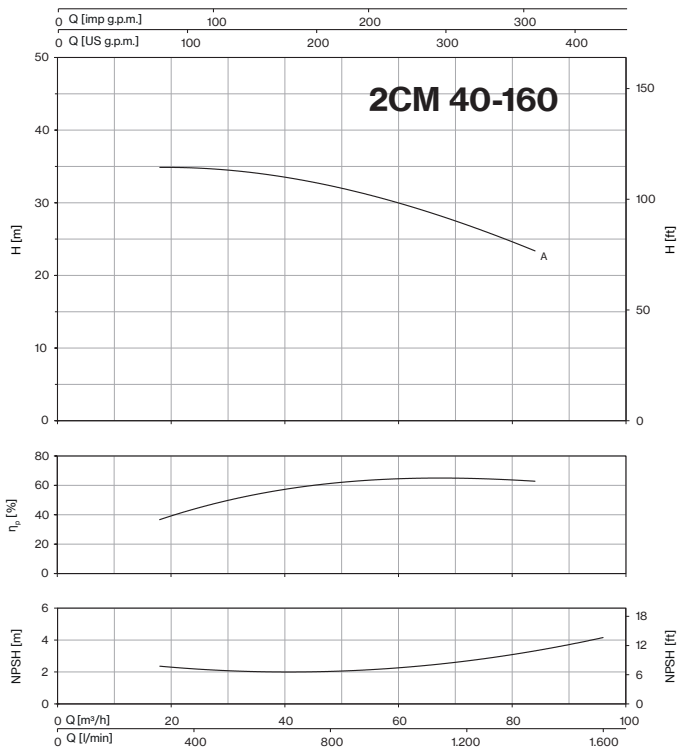
TARGET (2 pumps)		MODEL			P2 NOMINAL		Q (m³/h - l/min)													
		FIXED SPEED	VARIABLE SPEED				0	84	90	108	132	156	168	192	216	240	264	276	288	300
m³/h	bar	3-400V	EPIC-A	IPFC	HP (x2)	kW (x2)	H (m)													
			3-400V-in 3-400V-out				0	1400	1500	1800	2200	2600	2800	3200	3600	4000	4400	4600	4800	5000
192	2	2CM65-125A	2CM/A65-125A-318	2CM/I 65-125A-318	10	7,5	24,6	25,0	24,9	24,7	24,2	23,5	23,0	22,0	20,6	18,8	16,8			
	2,5	2CM65-160C	2CM/A65-160C-318	2CM/I 65-160C-318	12,5	9,2	28,9	30,6	30,5	30,0	29,1	27,9	27,2	25,3	22,9	20,2	17,5	16,0	13,9	
	3	2CM65-160B	2CM/A65-160B-325	2CM/I 65-160B-325	15	11	33,2	35,1	35,0	34,6	33,8	32,8	32,1	30,4	28,2	25,5	22,5	21,4	20,4	
	3,5	2CM65-160A	2CM/A65-160A-338	2CM/I 65-160A-338	20	15	40,1	42,5	42,5	42,3	41,8	41,0	40,4	38,9	37,1	35,3	32,8	31,7	30,9	
240	3	2CM65-200C	2CM/A65-200C-338	2CM/I 65-200C-338	20	15	44,4			46,1	44,7	43,2	42,4	40,3	37,5	33,7	28,9	26,8		
	4	2CM65-200B	2CM/A65-200B-338	2CM/I 65-200B-338	25	18,5	51,7			53,9	52,7	51,3	50,4	48,6	45,9	43,0	39,4	37,1	34,6	
	5	2CM65-200A	2CM/A65-200A-344	2CM/I 65-200A-348	30	22	60,3			61,8	61,0	59,8	59,1	57,1	54,6	51,6	48,3	46,5	44,4	
	6	2CM65-250B	-	2CM/I 65-250B-365	40	30	80,6			80,6	78,4	75,7	74,1	70,4	66,1	61,0	54,7	51,0	47,3	
		7	2CM65-250A	-	2CM/I 65-250A-375	50	37	91,6			91,6	89,8	87,4	85,9	82,5	77,8	72,8	67,4	64,3	60,8



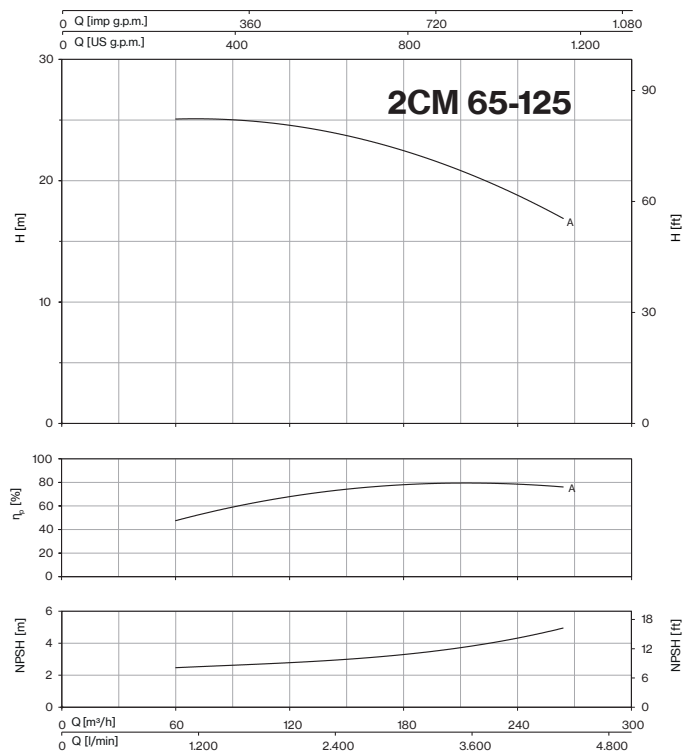
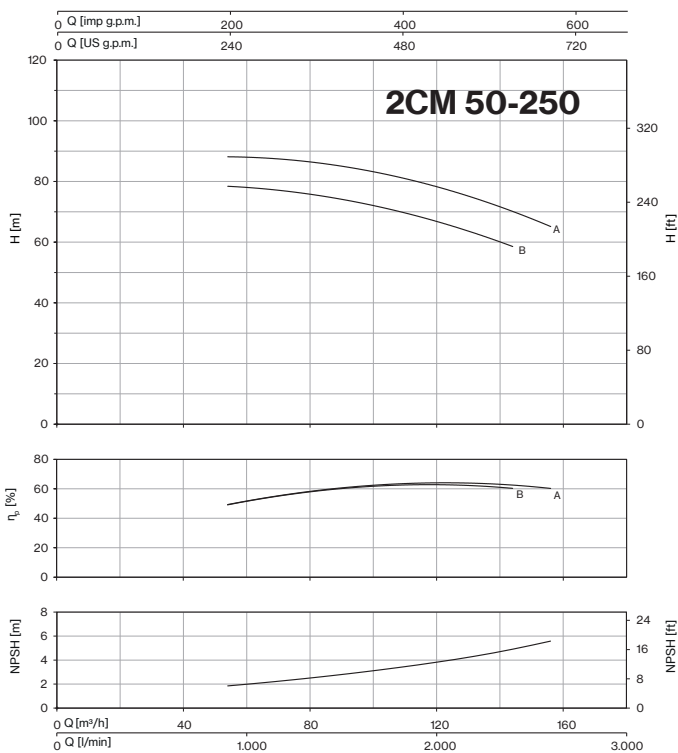
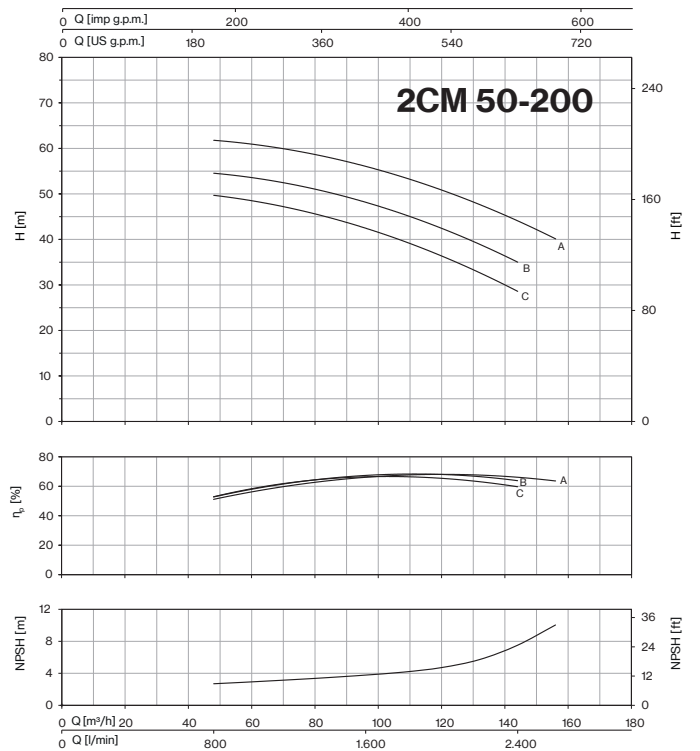
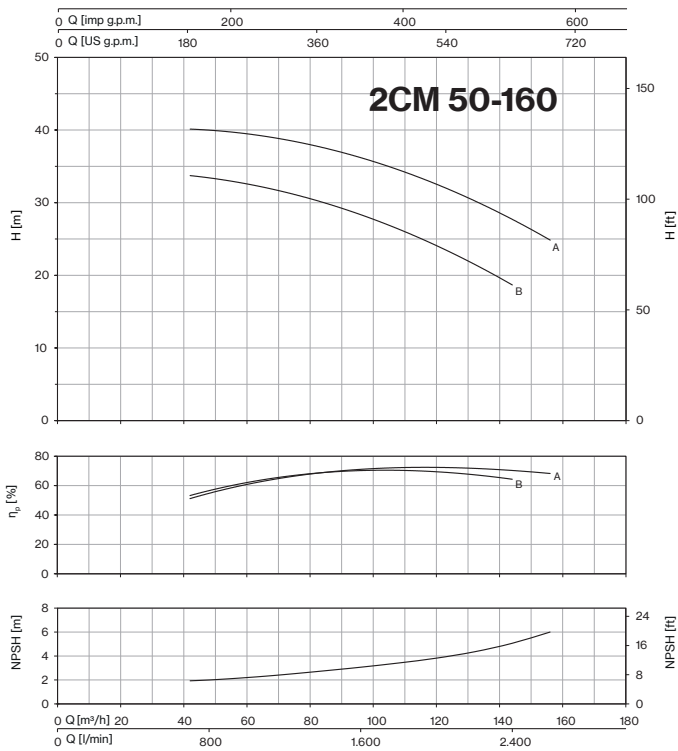
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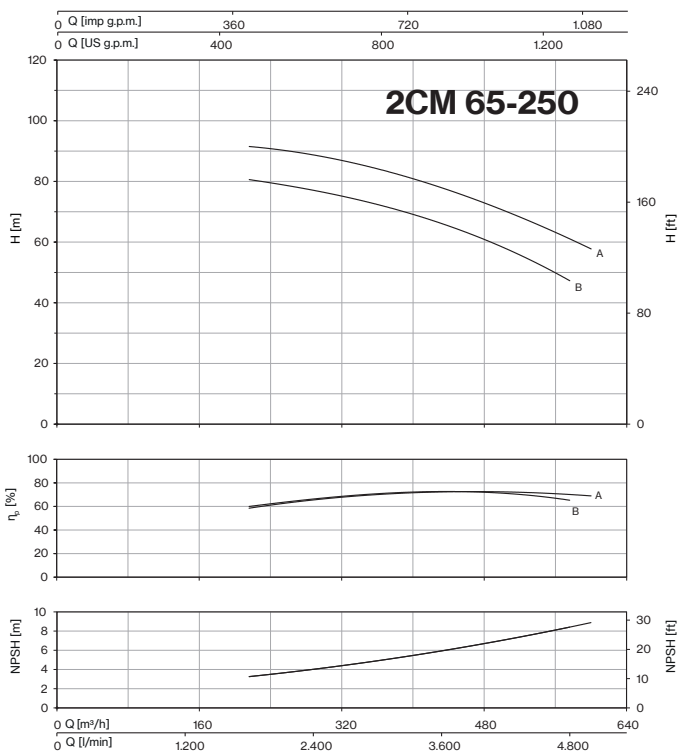
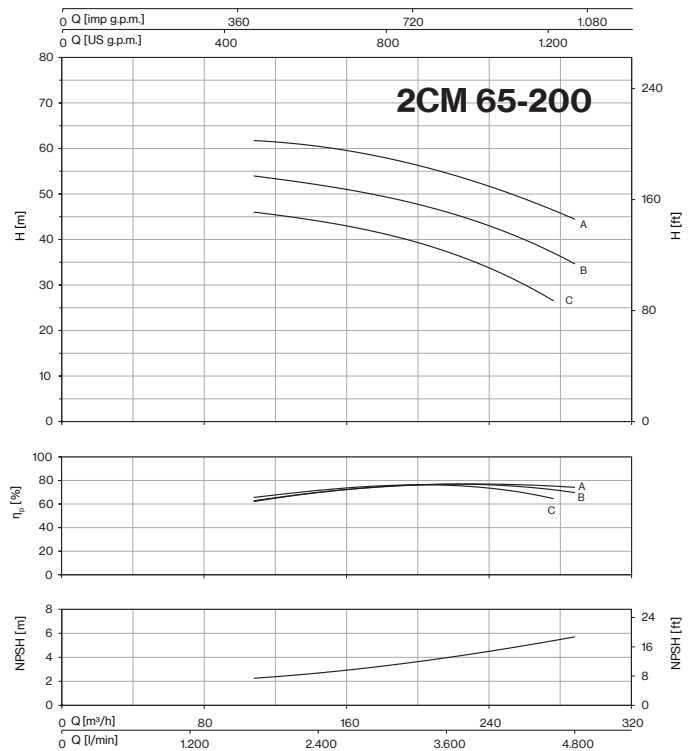
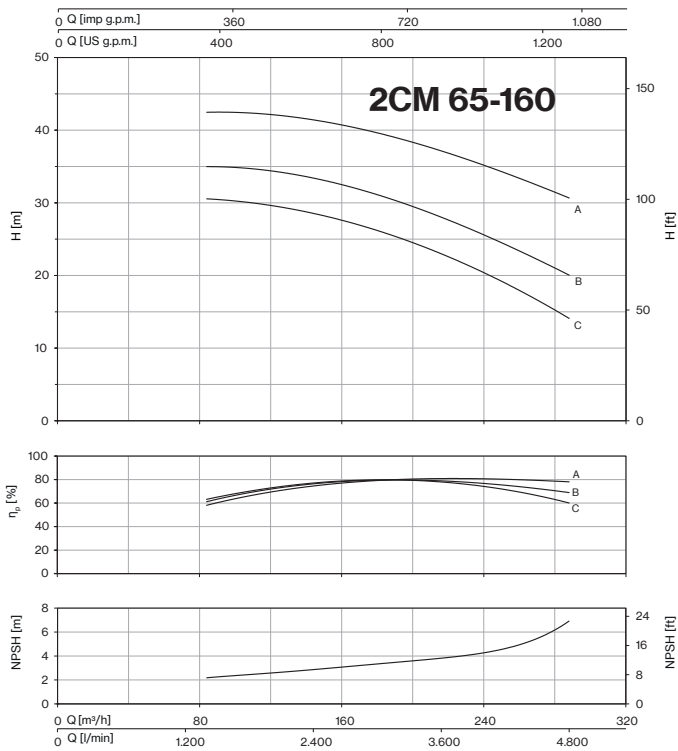
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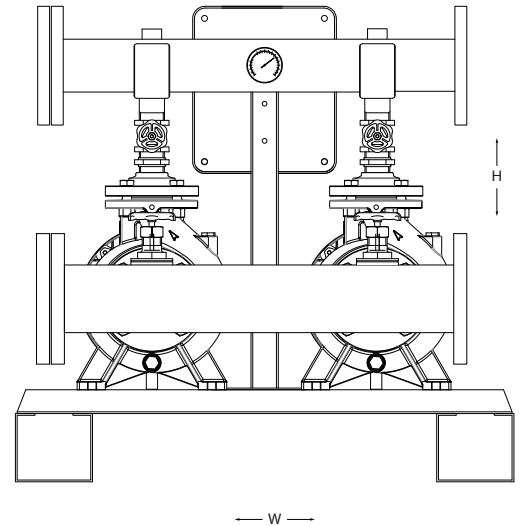
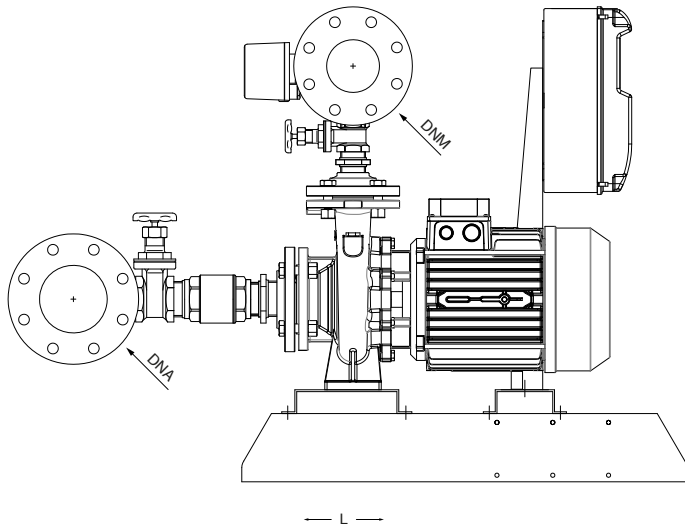
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MODEL			P1	In	Required tank for v.s.	DIMENSIONS					WEIGHT			
FIXED SPEED	VARIABLE SPEED					3- 400V		L	W	H	DNA	DNM	f.s	v.s.
3- 400V	EPIC-A	IPFC	kW (x2)	A (x2)	Lt	mm	mm	mm	mm	mm	Kg	/A	/I	
	3- 400V-in 3- 400V-out	3- 400V-in 3- 400V-out										/A	/I	
2CM32-160A	2CM/A32-160A-309	2CM/I 32-160A-309	3,8	6,8	1x60	110	840	920	DN100	DN80	164	169	174	
2CM32-200C	2CM/A32-200C-314	2CM/I 32-200C-311	4,9	8,9		110	840	920			183	203	193	
2CM32-200B	2CM/A32-200B-314	2CM/I 32-200B-314	6,7	11,1	1x 80	110	840	920			220	240	238	
2CM32-200A	2CM/A32-200A-318	2CM/I 32-200A-318	8,6	14,1		110	840	920			203	223	221	
2CM32-250C	2CM/A32-250C-318	2CM/I 32-250C-318	10	16,8	1x 80	1130	840	920			259	279	277	
2CM32-250B	2CM/A32-250B-325	2CM/I 32-250B-325	12,2	20		1130	900	1580			305	325	323	
2CM32-250A	2CM/A32-250A-330	2CM/I 32-250A-330	13,5	23,2	1x 100	1280	900	1580			381	401	399	
2CM40-125A	2CM/A40-125A-309	2CM/I 40-125A-309	3,6	6,5		1130	840	920			174	179	192	
2CM40-160A	2CM/A40-160A-314	2CM/I 40-160A-311	4,9	8,8		1130	840	920			183	203	201	
2CM40-200B	2CM/A40-200B-314	2CM/I 40-200B-314	6,9	11,4		1160	840	920			195	215	213	
2CM40-200A	2CM/A40-200A-318	2CM/I 40-200A-318	9,3	15,1		1x 100	1160	840			920	208	228	226
2CM40-200AP	2CM/A40-200AP-318	2CM/I 40-200AP-318	10,2	16,8			1190	900			1570	312	332	330
2CM40-250B	2CM/A40-250B-325	2CM/I 40-250B-325	13,8	22,3		1x 100	1370	900	1570	353	373	371		
2CM40-250A	2CM/A40-250A-330	2CM/I 40-250A-330	17,5	29,1			1370	900	1570	413	433	431		
2CM40-250BM	2CM/A40-250BM-338	2CM/I 40-250BM-338	20,6	34,1		1x 200	1370	900	1570	471	491	539		
2CM50-125B	2CM/A50-125B-309	2CM/I 50-125B-309	3,8	6,8			1220	840	920	182	187	192		
2CM50-125A	2CM/A50-125A-314	2CM/I 50-125A-311	4,8	8,8			1x 200	1220	840	920	190	210	200	
2CM50-160B	2CM/A50-160B-314	2CM/I 50-160B-314	6,5	10,9				1220	840	930	215	235	233	
2CM50-160A	2CM/A50-160A-318	2CM/I 50-160A-318	8,8	14,4	1x 200		1220	840	930	205	225	223		
2CM50-200C	2CM/A50-200C-325	2CM/I 50-200C-325	10,4	17,2			1220	900	955	248	268	266		
2CM50-200B	2CM/A50-200B-325	2CM/I 50-200B-325	11,9	19,5	1x 200		1220	900	1560	315	335	333		
2CM50-200A	2CM/A50-200A-330	2CM/I 50-200A-330	14,6	24,7			1390	900	1560	405	425	423		
2CM50-250B	2CM/A50-250B-338	2CM/I 50-250B-338	20,7	34,3	1x 200		1370	900	1560	473	493	541		
2CM50-250A	2CM/A50-250A-344	2CM/I 50-250A-348	24,8	40,9			1370	900	1560	493	513	561		
2CM65-125A	2CM/A65-125A-318	2CM/I 65-125A-318	8,8	14,4	1x 300		1390	1030	920	DN200	DN150	302	322	320
2CM65-160C	2CM/A65-160C-318	2CM/I 65-160C-318	10,1	16,8			1390	1030	920			353	373	371
2CM65-160B	2CM/A65-160B-325	2CM/I 65-160B-325	12,7	20,6	1x 300	1550	1030	1540	378			398	396	
2CM65-160A	2CM/A65-160A-338	2CM/I 65-160A-338	17,1	28,5		1550	1030	1540	452			472	520	
2CM65-200C	2CM/A65-200C-338	2CM/I 65-200C-338	17	28,3	1x 300	1550	1030	1540	495			515	563	
2CM65-200B	2CM/A65-200B-338	2CM/I 65-200B-338	21,2	34,8		1550	1030	1540	526			546	594	
2CM65-200A	2CM/A65-200A-344	2CM/I 65-200A-348	25,4	41,7	1x 500	1550	1030	1540	547			567	615	
2CM65-250B	-	2CM/I 65-250B-365	30,8	55,3		1550	1030	1540	817			-	885	
2CM65-250A	-	2CM/I 65-250A-375	37	69,2	1550	1030	1540	862	-			930		

f.s. : fixed speed
v.s. : variable speed



Dimensions and weights may differ slightly and therefore should be considered as indicative