

ALSAMHAN FACTORY FOR SAUDI PUMP CO. LTD

شركة مصنع السمحان للمضخات السعودية المحدودة

SURAFCE PUMPS – CM SERIES – Samtax Pumps

PERFORMANCE TABLE FOR PUMPS CM32-40-50

PUMP MODEL النموذج	POWER القدرة HP/KW	Q =CAPACITY/FLOW RATE (m ³ /h – l/min)																					
		0	4.5	6	7.5	9	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	72	78
		0	75	100	125	150	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300
		H= TOTAL HEAD (M)																					
CM 32-160C	2/1.5	24.7	24.4	24.1	23.6	23.0	21.5	19.6	17.2	14.1													
CM 32-160B	3/2.2	29.0		28.5	28.0	27.3	25.7	23.8	21.4	18.5	14.8												
CM 32-160A	4/3	36.8		36.4	36.0	35.4	34.2	32.8	31.1	28.8	26.0	22.3											
CM 32-200C	5.5/4	41.0		40.0	39.3	38.8	37.5	36.0	34.2	32.2	30.0	27.0											
CM 32-200B	7.5/5.5	53.0		52.0	51.5	51.0	50.0	48.5	46.8	45.0	42.7	40.1	37.0	33.3	28.7								
CM 32-200A	10/7.5	61.0		60.5	60.0	59.5	58.5	57.2	55.5	53.7	51.5	49.0	46.2	42.2	38.5								
CM 32-250C	12.5/9.2	70.0			68.5	68.0	67.0	65.5	63.5	61.5	58.7	55.0	50.3										
CM 32-250B	15/11	82.0			81.0	80.5	79.5	78.5	77.0	75.0	72.6	70.0	66.5										
CM 32-250A	20/15	93.0			92.5	92.0	91.5	90.5	89.5	88.0	85.7	83.5	80.0										
CM 40-125C	2/1.5	17.4		17.6	17.5	17.3	16.9	16.4	15.8	15.1	14.2	13.3											
CM 40-125B	3/2.2	20.7			21.3	21.2	21.0	20.6	20.1	19.4	18.7	17.9	17.0										
CM 40-125A	4/3	25.2			25.8	25.8	25.6	25.4	24.9	24.4	23.7	22.9	22.0	21.1									
CM 40-160B	4/3	30.0			30.1	30.0	29.6	29.0	28.2	27.1	25.9	24.4	22.8	21.0									
CM 40-160A	5.5/4	35.4			35.6	35.5	35.3	35.0	34.2	33.2	32.0	30.6	29.0	27.3	25.4								
CM 40-200B	7.5/5.5	46.7			47.0	46.8	46.4	45.6	44.5	43.2	41.6	39.9	37.9	35.8	33.4								
CM 40-200A	10/7.5	56.4			57.8	58.0	57.9	57.6	56.9	56.0	54.7	53.0	51.1	48.9	46.5	43.9							
CM 40-250B	15/11	75.5			74.6	74.2	73.5	72.7	71.7	70.4	69.0	67.2	65.0	62.5	59.5	56.0							
CM 40-250A	20/15	91.5			90.4	89.8	89.3	88.5	87.5	86.6	85.5	84.0	82.5	80.5	78.5	76.0							
CM 50-125B	4/3	19.9				20.2	20.2	20.1	20.0	19.8	19.3	19.1	18.7	18.3	17.8	17.4	16.4	15.3	14.0	12.7	11.2		
CM 50-125A	5.5/4	24.5					25.0	24.9	24.8	24.6	24.4	24.2	23.8	23.5	23.1	22.7	21.8	20.8	19.6	18.1	16.5		
CM 50-160B	7.5/5.5	30.2							30.5	30.3	30.1	29.8	29.5	29.0	28.5	28.0	26.7	25.1	23.3	21.3	19.1	16.8	
CM 50-160A	10/7.5	36.3							37.0	36.9	36.8	36.6	36.4	36.1	35.6	35.1	34.0	32.6	31.0	29.1	26.9	24.5	
CM 50-200C	12.5/9.2	47.0								45.7	45.1	44.5	43.7	42.9	42.0	40.2	38.5	35.9	33.0	29.0	24.5		
CM 50-200B	15/11	52.0								51.0	50.5	50.0	49.3	48.5	47.7	46.8	44.7	42.2	39.5	35.9	32.0		
CM 50-200A	20/15	58.5								58.1	58.0	57.5	57.0	56.4	55.7	55.0	53.2	51.3	49.0	46.3	42.8	38.8	
CM 50-250C	20/15	71.5									70.8	70.3	69.7	69.0	68.3	67.6	66.0	64.0	61.5	58.6	55.0	50.5	
CM 50-250B	25/18.5	78.0									78.0	77.4	76.8	76.1	75.3	74.5	72.8	70.6	68.2	65.5	62.2	58.3	
CM 50-250A	30/22.5	90.0										89.5	88.9	88.3	87.7	86.9	86.1	84.5	82.7	80.5	78.0	75.2	71.7

CM 20-320Y	30/22.5	80.0									88.2	88.8	88.3	87.1	86.8	86.7	84.2	83.1	80.2	78.0	75.3	71.3	67.1
CM 20-320B	32/23.2	88.0									88.0	87.4	86.8	86.7	82.3	81.2	79.8	76.9	73.3	69.2	65.3	60.3	55.3
CM 20-320C	30/22	87.2									80.8	80.3	80.1	80.0	80.3	81.9	80.0	84.0	87.2	88.9	88.0	82.0	76.2
CM 20-300Y	30/22	88.2									88.7	88.0	87.2	87.0	86.4	82.1	82.0	83.3	87.3	88.0	83.8	78.8	73.8
CM 20-300B	32/23	93.0									87.0	86.2	86.0	86.3	86.2	81.1	80.8	84.1	85.3	88.2	82.8	77.0	72.0
CM 20-300C	33/23.3	91.0									82.1	82.7	82.2	83.1	83.8	83.0	80.3	88.2	82.8	83.0	83.0	84.2	79.2
CM 20-280Y	30/22	88.3									81.0	80.8	80.8	80.4	80.7	82.9	82.7	84.0	83.8	87.0	83.7	80.8	74.2
CM 20-280B	32/22	90.3									80.2	80.3	80.7	80.8	80.8	80.0	80.3	80.1	82.7	83.3	87.3	83.7	80.8

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شركة مصنع السمحان للمضخات السعودية المحدودة

SURAFCE PUMPS – CM SERIES – Samtax Pumps

PERFORMANCE TABLE FOR PUMPS CM65-80

240PUMP MODEL النموذج	POWER القدرة HP/KW	Q=CAPACITY/FLOW RATE (m ³ /h – l/min)																								
		0	30	33	36	39	42	48	54	60	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240
		0	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000
		H= TOTAL HEAD (M)																								
CM 65-125B	7.5/5.5	20	21.0	20.8	20.7	20.6	20.5	20.4	20.1	19.7	19.3	18.8	18.3	17.7	16.1	14.3	13.3									
CM 65-125A	10/7.5	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.1	23.9	23.7	23.4	22.8	22.3	20.9	19.4	17.5	15.0								
CM 65-160C	12.5/9.2	30.4					31.2	31.1	30.8	30.5	30.1	29.6	29.0	28.3	26.6	24.6	22.1	19.3	16.0							
CM 65-160B	15/11	34.0					34.6	34.4	34.2	34.0	33.7	33.3	32.8	32.1	30.6	28.8	26.7	24.1	21.1							
CM 65-160A	20/15	39.0				40.6	40.6	40.4	40.2	40.0	39.7	39.4	38.9	37.7	36.2	34.3	32.2	29.8								
CM 65-200C	20/15	43.0						44.8	44.5	44.1	43.7	43.0	42.3	40.5	38.0	35.3	32.0									
CM 65-200B	25/18.5	47.5						49.5	49.3	49.0	48.5	48.0	47.3	45.5	43.5	41.0	38.0									
CM 65-200A	30/22.2	56.5						56.7	56.5	56.2	55.7	55.2	54.7	53.3	51.6	49.6	47.1	44.0								
CM 65-250B	40/30	81.0						79.5	78.5	77.3	76.0	74.5	73.0	69.3	65.0	60.0	54.5	48.5								
CM 65-250A	50/37	90.0						89.5	88.5	87.5	86.5	85.5	84.0	80.5	76.5	72.0	66.5	60.5	54.0							
CM 65-250	60/45	98.5						99	98.5	97.5	96.5	96.5	94.0	90.5	86.5	82.0	76.5	70.5	64.0							
CM 80-160D	15/11	24.0								25.6	25.3	25.1	24.7	23.9	22.9	21.8	20.6	19.3	17.9	16.3	14.6					
CM 80-160C	20/15	29.0								29.6	29.3	29.0	28.7	28.1	27.0	25.9	24.7	23.4	22.0	20.4	18.7	16.4				
CM 80-160B	25/18.5	33.5								34.1	33.9	33.7	33.4	32.7	32.0	31.0	30.0	29.0	27.7	26.4	25.0	22.9	20.3			
CM 80-160A	30/22.5	37.0								37.9	37.7	37.3	36.9	36.2	35.5	34.5	33.5	32.4	31.2	29.9	28.0	25.8	22.9			
CM 80-200B	40/30	49.0											50.8	50.6	50.3	49.8	49.3	48.6	47.7	46.7	45.5	44.6	41.6	38.6		
CM 80-200A	50/37	59.0												59.6	59.2	58.6	58.0	57.3	56.4	55.5	54.3	52.7	50.6	48.5	46.1	
CM 80-250B	60/45	69.0												69.6	69.2	68.6	68.0	67.3	66.4	65.5	64.3	62.7	60.6	58.5	56.1	
CM 80-250A	75/55	79.0												79.0	79.0	78.6	78.0	77.3	76.4	75.5	74.3	72.7	70.6	68.0	66.0	

CM 80-320V	12/22	18.0												18.0	18.0	18.2	18.0	17.3	16.4	15.2	14.3	13.1	10.8	8.0	6.0
CM 80-320B	80/42	28.0												28.2	28.3	28.2	28.0	27.3	26.4	25.2	24.3	23.1	20.8	18.2	16.7
CM 80-300V	20/33	28.0												28.2	28.3	28.2	28.0	27.3	26.4	25.2	24.3	23.1	20.8	18.2	16.7
CM 80-300B	40/30	48.0											50.8	50.6	50.3	49.8	49.3	48.6	47.7	46.7	45.5	44.6	41.6	38.6	
CM 80-780V	30/33	31.0												31.8	31.1	31.3	30.8	30.2	29.2	28.2	27.1	25.8	24.0	22.8	21.8
CM 80-780B	80/42	31.0												31.8	31.1	31.3	30.8	30.2	29.2	28.2	27.1	25.8	24.0	22.8	21.8

PERFORMANCE TABLE FOR PUMPS CM100

240PUMP MODEL النموذج	POWER القدرة HP/KW	Q=CAPACITY/FLOW RATE (m ³ /h – l/min)																							
		0	42	48	54	60	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240	270	300	330
		0	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	4500	5000	5500
		H= TOTAL HEAD (M)																							
CM100-160D	40/30	43									42	42.2	42.2	41.9	41.5	40.8	40	39.1	37.9	36.6	35.4	34.2	31.6	28.2	23.9
CM100-160C	50/37	47									45.9	46.1	46.3	46.1	45.6	45.1	44.5	43.7	42.6	41.4	40.2	39	36.4	33	28.3
CM100-160B	60/45	51									50	50.1	50.3	50.0	49.6	49.1	48.5	47.5	46.5	45.3	44.1	43.0	40.2	37.0	32.2
CM100-160A	75/55	55									53.0	53.1	53.3	53.0	52.8	52.1	51.5	50.4	49.4	48.2	47.1	46.0	43.1	40.0	35.1

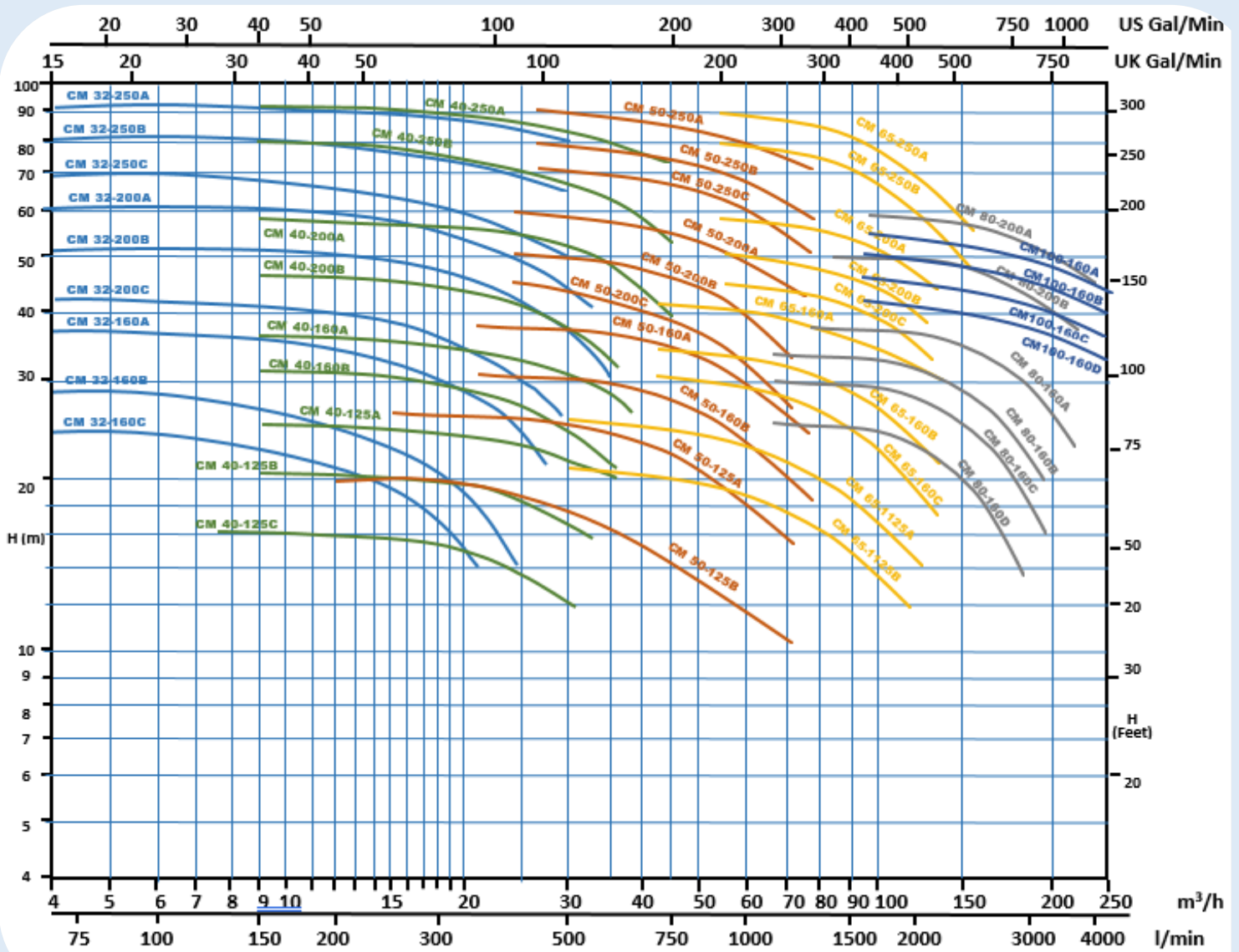
CM100-780V	12/22	22									23.0	23.1	23.3	23.0	22.8	22.7	22.2	20.4	18.4	16.3	14.7	12.0	10.7	10.0	32.7
CM100-780B	80/42	27									28	28.1	28.3	28.0	27.8	27.7	27.2	25.4	23.4	21.3	19.7	17.0	15.7	15.0	33.3

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شركة مصنع السمحان للمضخات السعودية المحدودة

SURAFCE PUMPS – CM SERIES – Samtax Pumps

Flow Curves



FLOW RATE Q كمية تصريف الماء

EGOM BVALE Q تصريف المياه الكمية

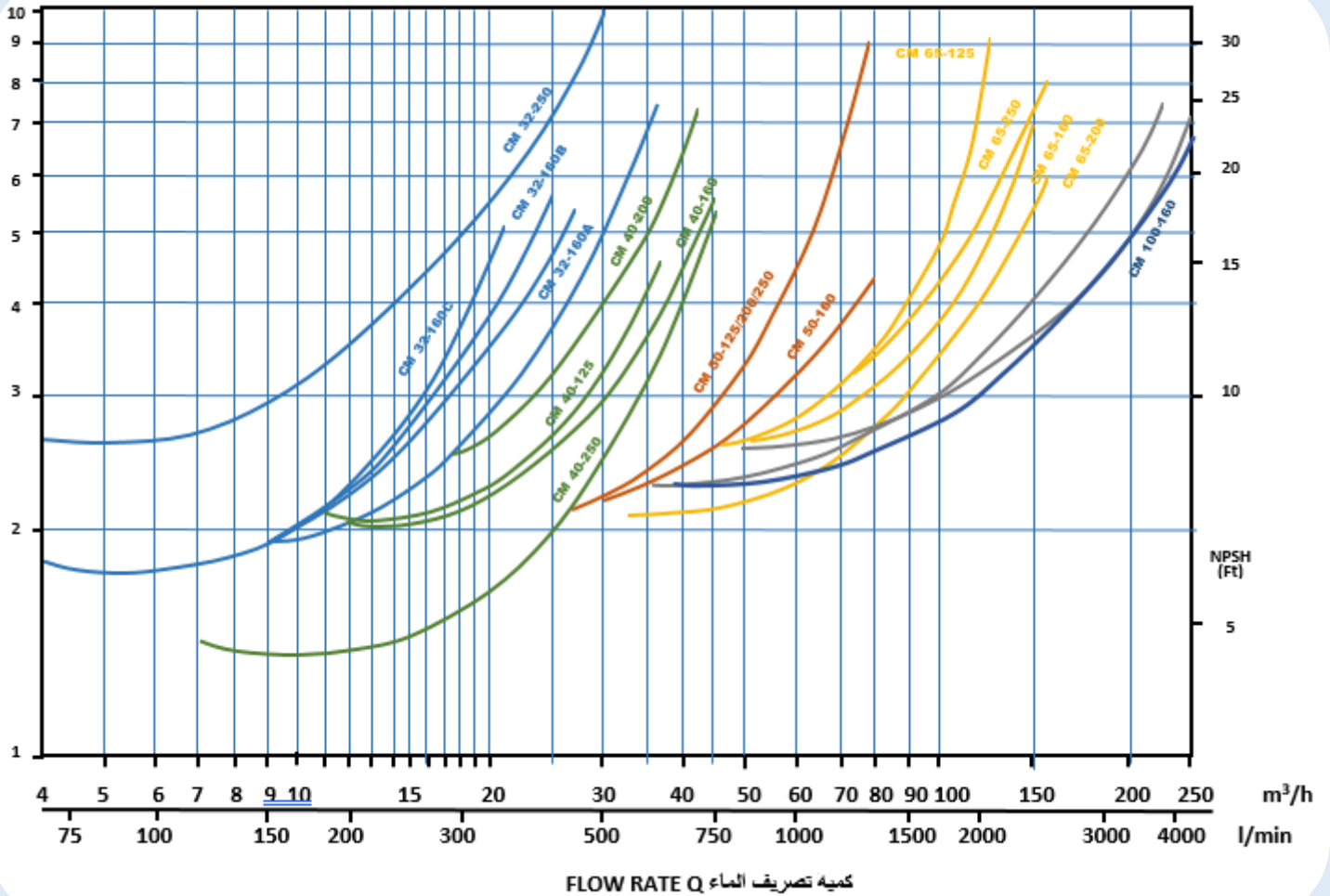


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شركة مصنع السمحان للمضخات السعودية المحدودة

SURAFCE PUMPS – CM SERIES – Samtax Pumps

Suction Head



كمية تصريف الماء Q



ALSAMHAN FACTORY FOR SAUDI PUMP CO. LTD

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