



CENTRIFUGAL PUMPS IN CONFORMANCE WITH DIN 24255 FOR USE IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL FIELDS

The CM series is made up of single stage electric monobloc pumps with a flanged hydraulics/motor connection. The pump casing is manufactured in accordance with the provisions of DIN 24255-NF E 44 III-UNI 7467 standards, regarding hydraulic dimensions and connection points.

The pumps may be installed in all positions, except where the suction point is directed downwards. The design of these machines allows the rotating parts and the motor to be removed from the pump casing without having to disconnect the pipes. Thus any maintenance is easily and quickly performed.

STANDARD DESIGN FEATURES

- Cast iron pump casing GG20
- Cast iron motor bracket GG20
- Cast iron impeller (bronze on request)
- Stainless steel shaft pump AISI 304 or 303
- Mechanical seal with ceramic/graphite counterfaces
- Flanged connection points DN 32 - DN 80 as per UNI 2236 PN10 standards
- Threaded type counterflanges as per UNI 2254 standards

MOTOR

- Type: induction, enclosed, self-ventilated
- Design: B5
- Use: continuous
- Insulation: Class F
- Level of protection: IP 55 Terminal Box
IP 44 complete motor
- Number of poles: 2
- Speed of rotation 2900 rpm

USAGE LIMITATIONS

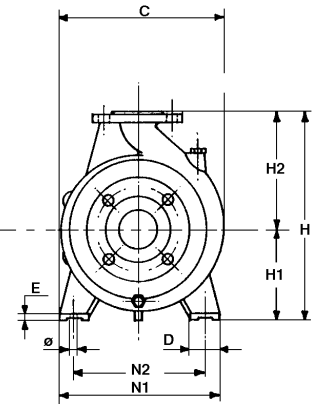
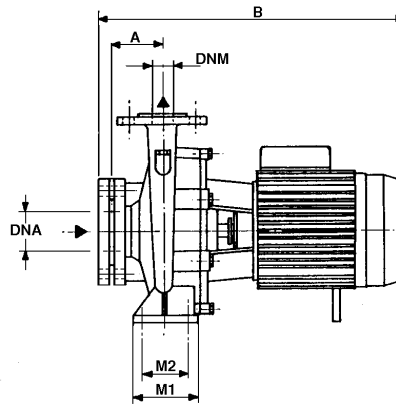
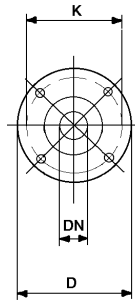
- Type of liquid: non-aggressive, non-explosive, free from solid particles and fibres.
- Hot water for heating
 - Coolants (not containing mineral oils) for air-conditioning systems
 - Pumped liquid temperature from -10° C to 90° C
 - Environmental temperature up to 40° C
 - Maximum operating pressure 10 bar

APPLICATIONS

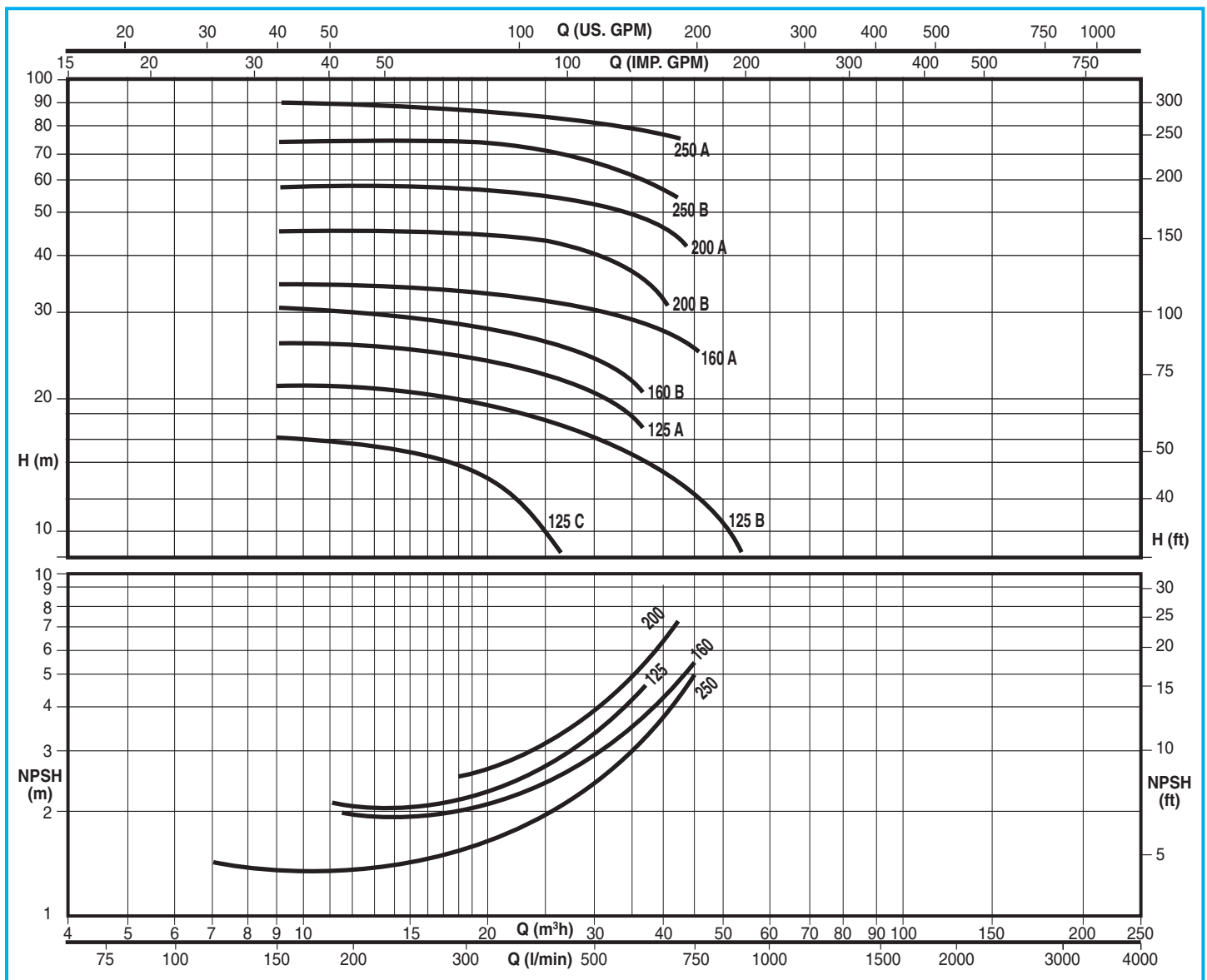
- Agricultural: overhead or surface irrigation water supply
- Civil: autoclave supply, pressure elevation, heating and air-conditioning systems, water supply and firefighting systems
- Industrial: liquid transfer in general

CM DIN 24255

DIMENSIONS (mm)				
DN	D	K	Holes	
			n°	Dia.
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	4	18
100	220	180	8	18



Model		Dimensions mm														Weight kg											
		DNM	DNA	A	H ₁	H ₂	M ₁	M ₂	N ₁	N ₂	D	E	Ø	B	C		H										
CM 32/160	C	32	50	80	132	160	100	70	240	190	50	12	14	490	240	292	38										
	B																39										
A						42																					
CM 32/200	C															505	268	340	52								
	B			160	180									565	63												
A																69											
CM 32/250	C					100	180	225	125	95	320	250		65	14	625	305	405	83								
	B																										90
A																											
CM 40/125	C	40	65	80	112	140	100	70	210	160	50	12	14	495	220	252	36										
	B																									37	
A																									40		
CM 40/160	B						132	160			240	190		50	15	500	245	292	47								
	A																				50						
CM 40/200	B					100	160	180	125	95	320	250							65	15	590	273	340	65			
	A																										
CM 40/250	B														180	225											
	A															700			121								
CM 50/125	B	50	65	100	132	160	100	70	240	190	50	12	14	525	250	292	47										
	A																										
CM 50/160	B																			150	180						
	A																71										
CM 50/200	C						160	200	125	95	320	250		65	14	635	290	360	82								
	B																										
CM 50/250	A																										
	C																			125							
CM 50/250	B							180	225									750	332	405	140						
	A															149											
CM 65/125	B	65	80	100	160	180	125	95	280	212	65	14	14	605	280	340	64										
	A																										70
CM 65/160	C																		200								635
	B																	90									
CM 65/200	A																	705			120						
	C																				122						
CM 65/250	B							180	225					320	250			750	330	405	138						
	A																					148					
CM 65/250	B							200	250					360	280	80	16	19	850	370	450	239					
	A																253										
CM 80/160	D	80	100	125	180	225	125	95	320	250	65	14	14	665	330	405	99										
	C																										129
	B																										
	CM 80/200								A														780			152	
B																									233		
CM 80/200	A																	345	280		16		870	355		247	



CODE	MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	Q L/1' / m³/h	0	200	300	400	500	600	700	PRICE
		HP	kW				0	12	18	24	30	36	42	
D5770KKK	CM 40/125 C	2	1,5	3 ~ 230 ÷ 400 V	4	Discharge head in meters	17,4	17,3	16,4	15,1	13,3			
D5771KKK	CM 40/125 B	3	2,2	3 ~ 230 ÷ 400 V	5,2		20,7	21,2	20,6	19,4	17,9			
D5772KKK	CM 40/125 A	4	3	3 ~ 230 ÷ 400 V	7,1		25,2	25,8	25,4	24,4	22,9	21,1		
D5744KKK	CM 40/160 B	4	3	3 ~ 230 ÷ 400 V	7,4		30	30	29	27,1	24,4	21		
D5745KKK	CM 40/160 A	5,5	4	3 ~ 230 ÷ 400 V	9,9		35,4	35,5	35	33,2	30,6	27,3		
D5746KKK	CM 40/200 B	7,5	5,5	3 ~ 400 ÷ 690 V	13,2		46,7	46,8	45,6	43,2	39,9	35,8		
D5751KKK	CM 40/200 A	10	7,5	3 ~ 400 ÷ 690 V	16,8		56,4	58	57,6	56	53	48,9	43,9	
D5749KKK	CM 40/250 B	15	11	3 ~ 400 ÷ 690 V	24,2		75,5	74,2	72,7	70,4	67,2	62,5	56	
D5750KKK	CM 40/250 A	20	15	3 ~ 400 ÷ 690 V	32		91,5	89,8	88,5	86,6	84	80,5	76	