



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

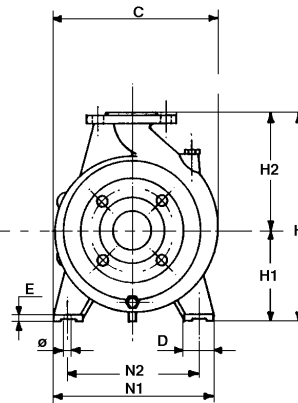
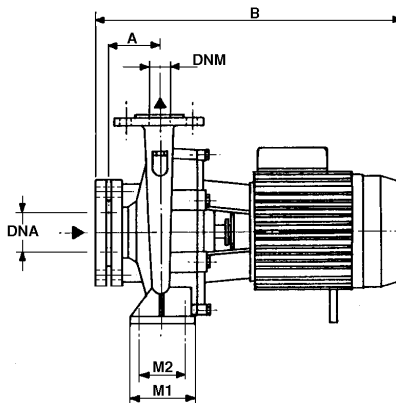
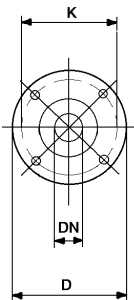
- Type of liquid: non-aggressive, non-explosive, free from solid particles and fibres.
- Hot water for heating
 - Coolants (not containing mineral oils) for air-conditioning systems
 - Pumped liquid temperature from -10° C to 90° C
 - Environmental temperature up to 40° C
 - Maximum operating pressure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

APPLICATIONS

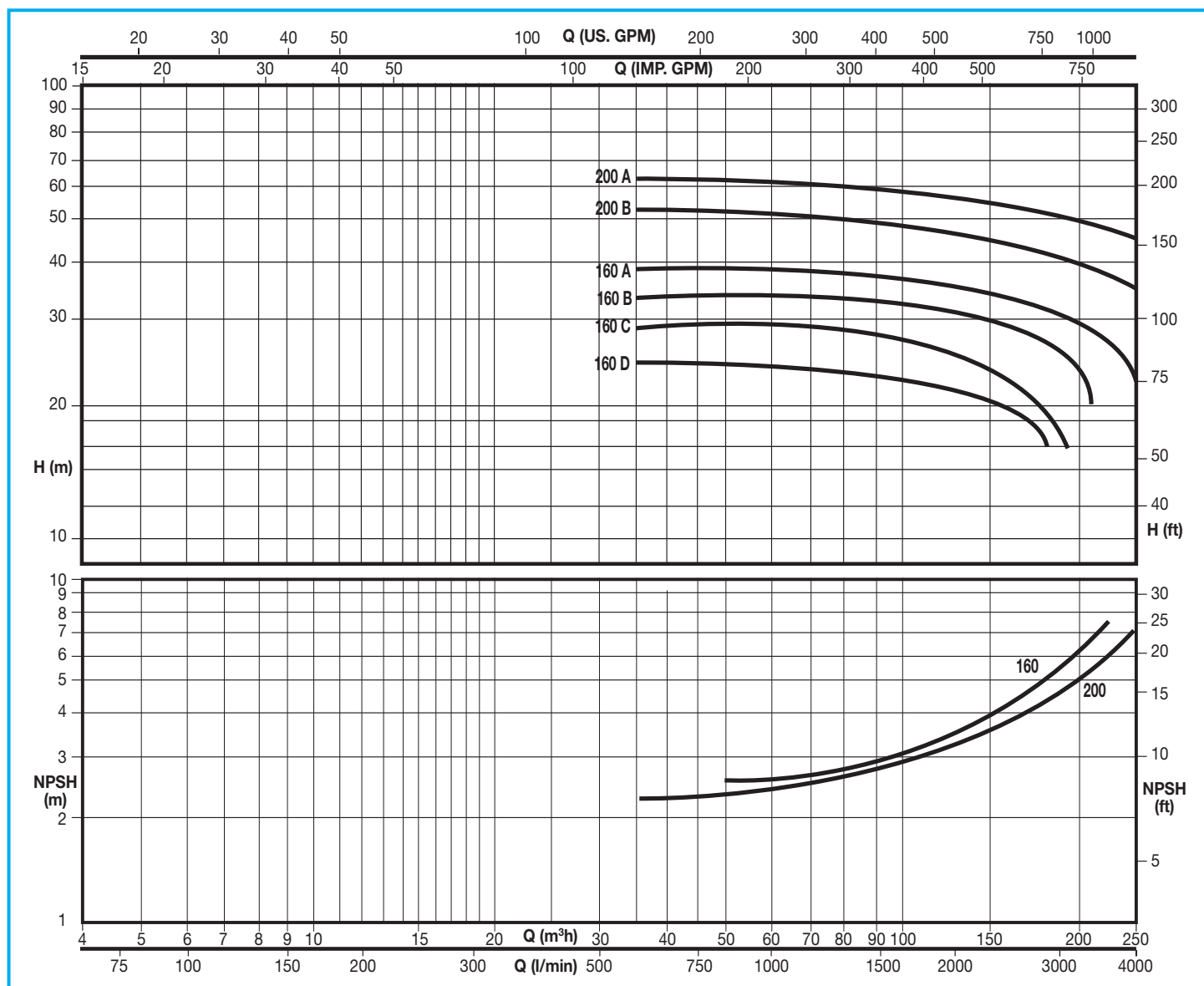
- Agricultural: overhead or surface irrigation water supply
- Civil: autoclave supply, pressure elevation, heating and air-conditioning systems, water supply and firefighting systems
- Industrial: liquid transfer in general

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		100	70	240	190	50	12	14		490	240	292	38						
	B				132								160				39						
	A																42						
CM 32/200	C				160	180	125	95	320	250	65		14		505	268	340	52					
	B													565	63								
	A															69							
CM 32/250	C				100	180	225	125	95	320	250		65	14		625	305	405	83				
	B														695	90							
	A																120						
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	125	95	320	250	65	15		590	273	340	65	47					
	A																					50	
CM 40/200	B				160	180	125	95	320	250	65	15		700	322	405	121	65					
	A																					71	
CM 40/250	B		180	225	125	95	320	250	65	15	700	322	405	121	91								
	A																						
CM 50/125	B	50	65	100	132	160	100	70	240	190	50	12	14	525	250	292	47						
	A																	50					
CM 50/160	B				150	180	125	95	265	212	50	12		635	290	360	82						
	A																						71
CM 50/200	C				160	200	125	95	320	250	65	14		705	332	405	140	122					
	B																						125
	A																						
CM 50/250	C		180	225	125	95	320	250	65	14	750	332	405	140	149								
	B																						
	A																						
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				160	200	125	95	320	250	65	14	705	290	360	122							
	B																					120	
	A																						
CM 65/200	C				180	225	125	95	360	280	80	16	19	850	370	450	239						
	B																						253
	A																						
CM 80/160	D	80	100	125	180	225	125	95	320	250	65	14	14	665	330	405	99						
	C													735			129						
	B								780	330		405		143									
	A													152									
CM 80/200	B			345	280	65	16	870	355	405	233												
	A										247												



CODE	MODEL	Motor Power		VOLTAGE	Amp. 3 x 400 V	Q	L/1'	0	1200	1600	2000	2600	3000	3500		PRICE
		HP	kW				m³/h	0	72	96	120	156	180	210		
D5780KKK	CM 80/160 D	15	11	3 ~ 400 ÷ 690 V	20,8	Discharge head in meters		24	25,3	23,9	21,8	17,9	14,6			
D5781KKK	CM 80/160 C	20	15	3 ~ 400 ÷ 690 V	25,8			29	29,3	28,1	25,9	22	18,7			
D5782KKK	CM 80/160 B	25	18,5	3 ~ 400 ÷ 690 V	35			33,5	33,9	32,7	31	27,7	25	20,3		
D5783KKK	CM 80/160 A	30	22	3 ~ 400 ÷ 690 V	42			37	37,9	36,9	35,5	32,4	29,9	25,8		
D5786KKK	CM 80/200 B	40	30	3 ~ 400 ÷ 690 V	63,5			49		50,6	49,8	47,7	45,5	41,6		
D5787KKK	CM 80/200 A	50	37	3 ~ 400 ÷ 690 V	74,5			58		59,6	58,6	56,4	54,3	50,8		