

# CENTRIFUGAL PUMPS DIN 24255 SERIES AN



## SERIES AN



- One stage horizontal centrifugal pump.
- Pump range covering wide hydraulic performances.
- High efficiency, low NPSH required and silent running.
- Maximum parts interchangeability.
- Back pull out design, easy pump dismantling.

- **Volute casing.** Axial suction and radial discharge flanges according to DIN 2501, PN 10.
- **Impeller.** Closed, overhung, hydraulically balanced.
- **Shaft.** Robust design, assembled with two grease lubricated bearings.
- **Mechanical seal.** According to DIN 24960, as standard.
- **Stuffing box.** Special requirement.
- **Wear rings.** Interchangeables.



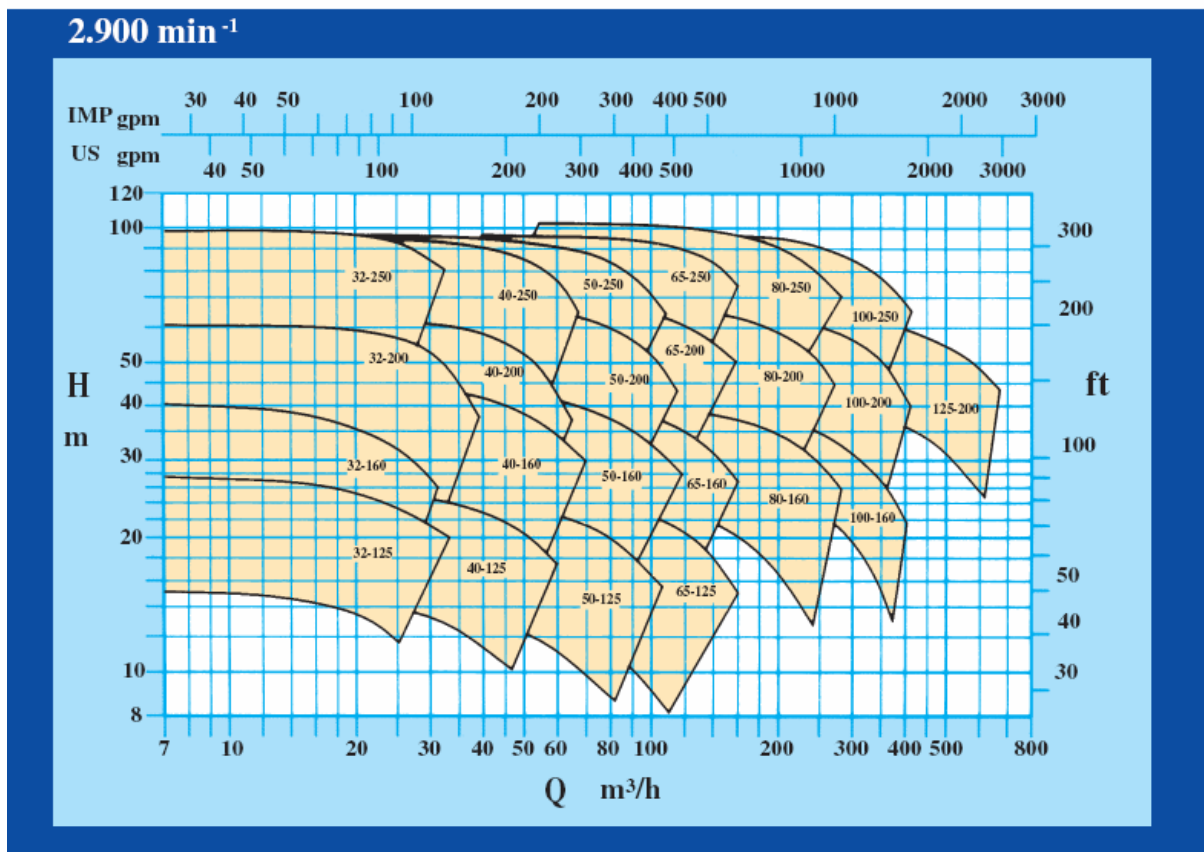
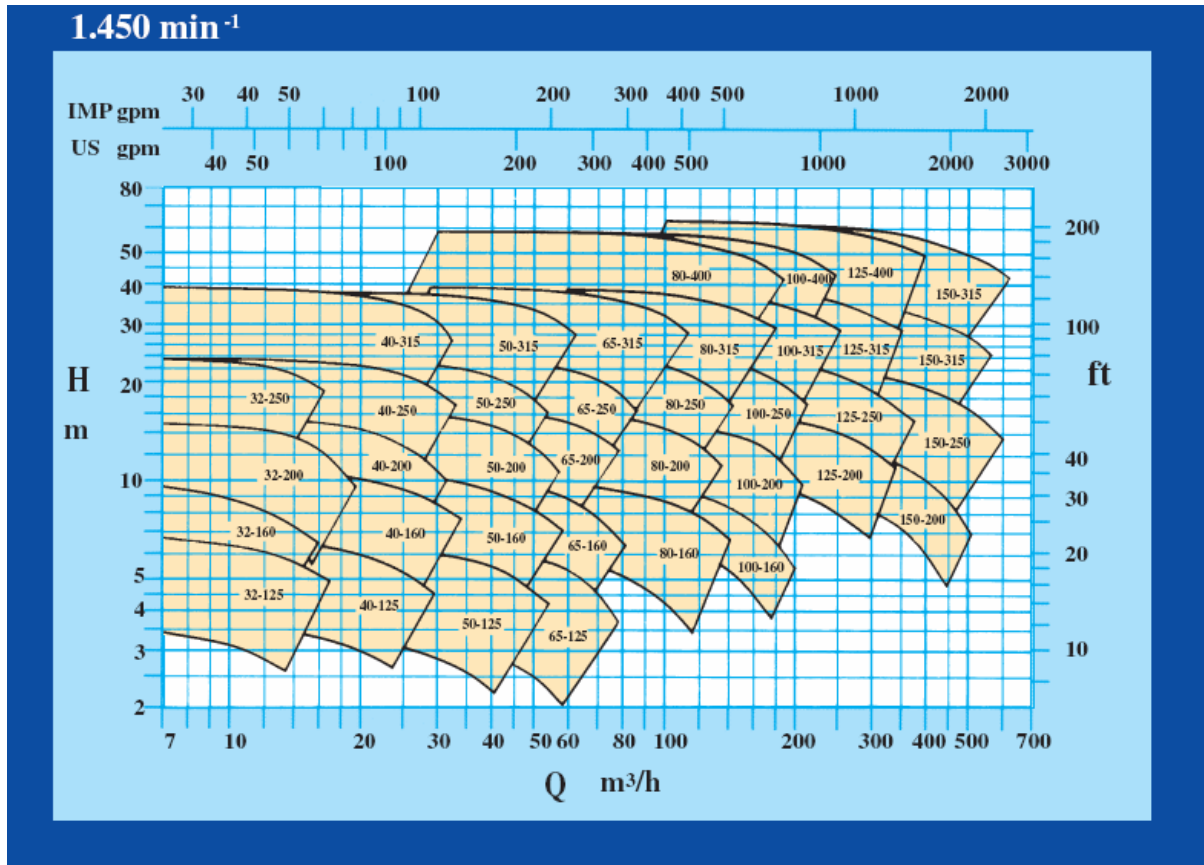
### Applications:

- Water treatment
- Irrigation
- Heating, ventilating, air conditioning and refrigeration
- Water supply and distribution to industries or municipalities
- Food and drink industry
- Every application handling hot, cooling, drinking process water or sea water

### Materials

Part	Standard	Various options
Volute	Cast iron GG25	Bronze G-CuSn10 G-CuSn5ZnPb (Rg5) G-CuAl10Ni
		Stainless steel X5CrNiMo18 10
Impeller	Cast iron GG25	Bronze G-CuSn10 G-CuSn5ZnPb (Rg5) G-CuAl10Ni
		Stainless steel X5CrNiMo18 10 AISI 316
Shaft	Stainless steel X20Cr13 AISI 420	Stainless steel X5CrNiMo18 10 AISI 316
Casing wear ring	Bronze G-CuSn10	Cast iron GG25 Stainless steel X5CrNiMo18 10 AISI 316

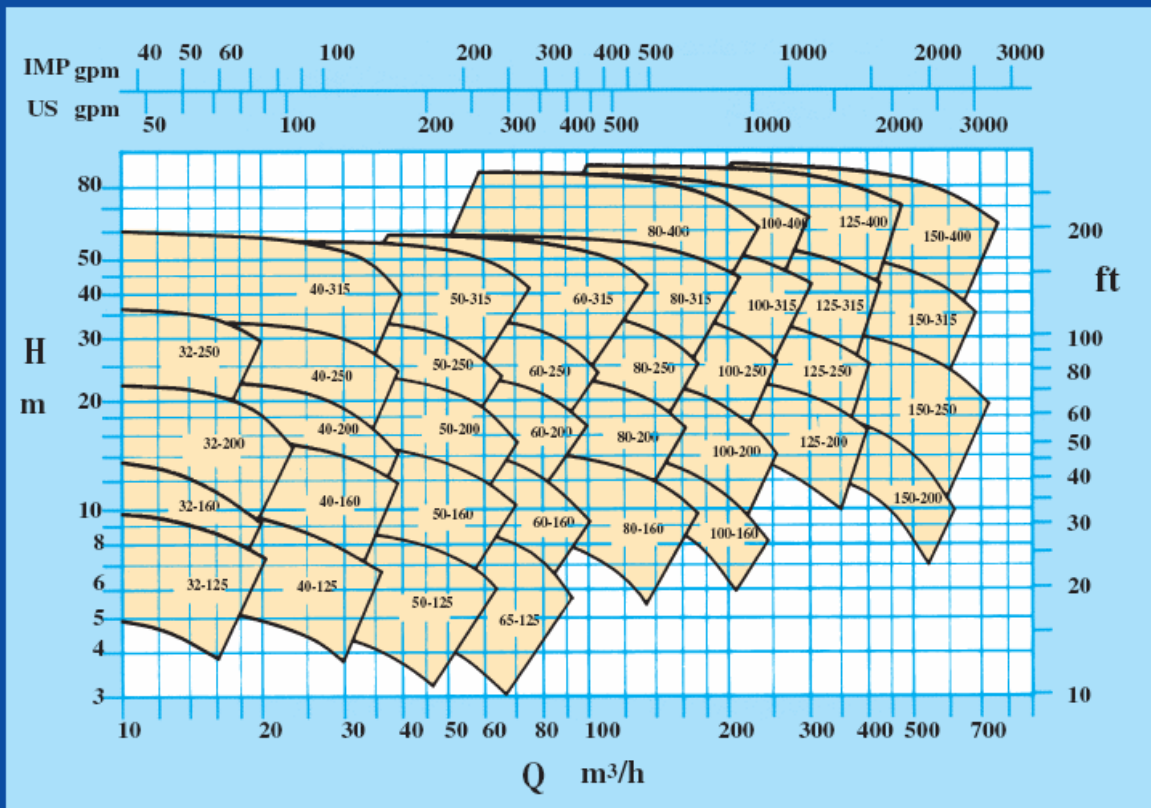
## PERFORMANCE GRAPHS 50 Hz



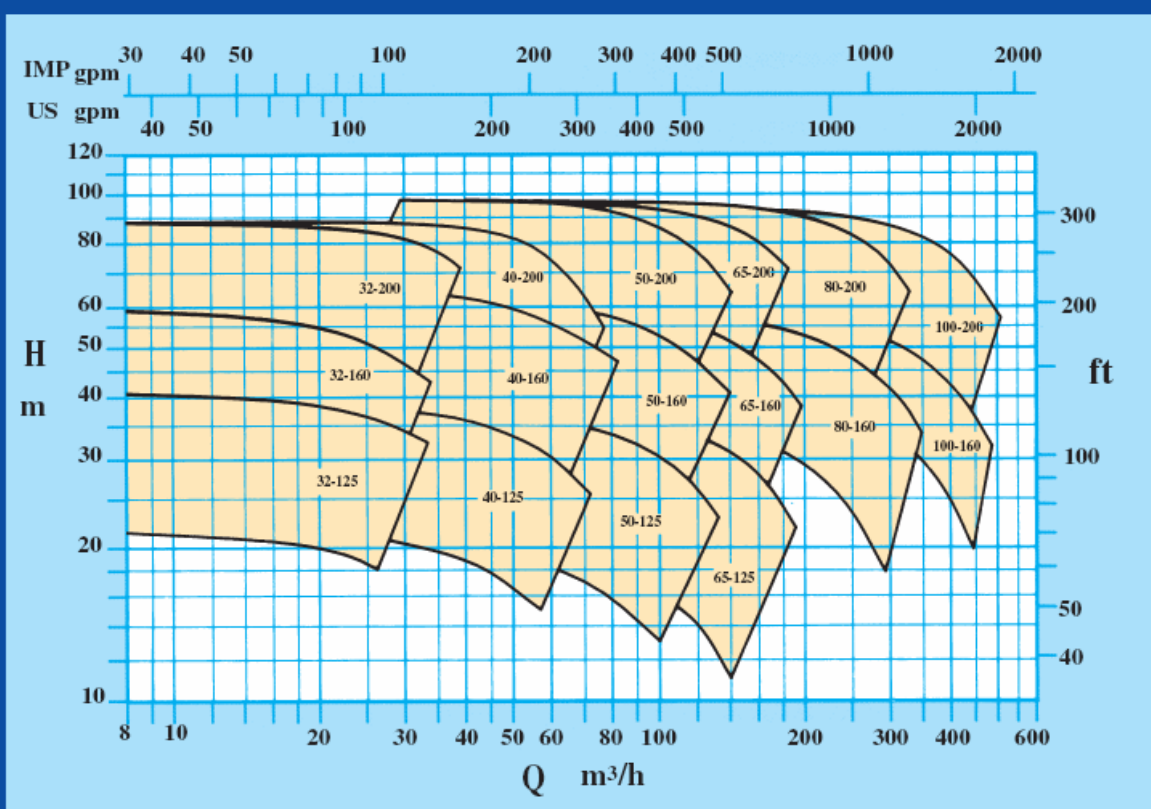
## PERFORMANCE GRAPHS

60 Hz

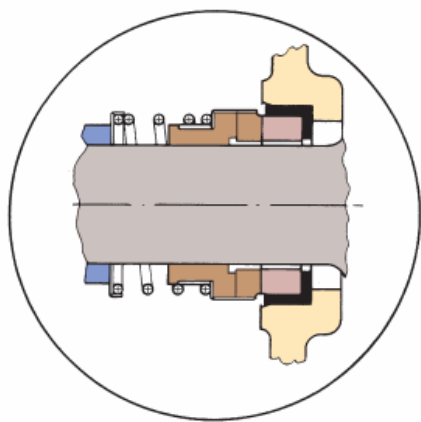
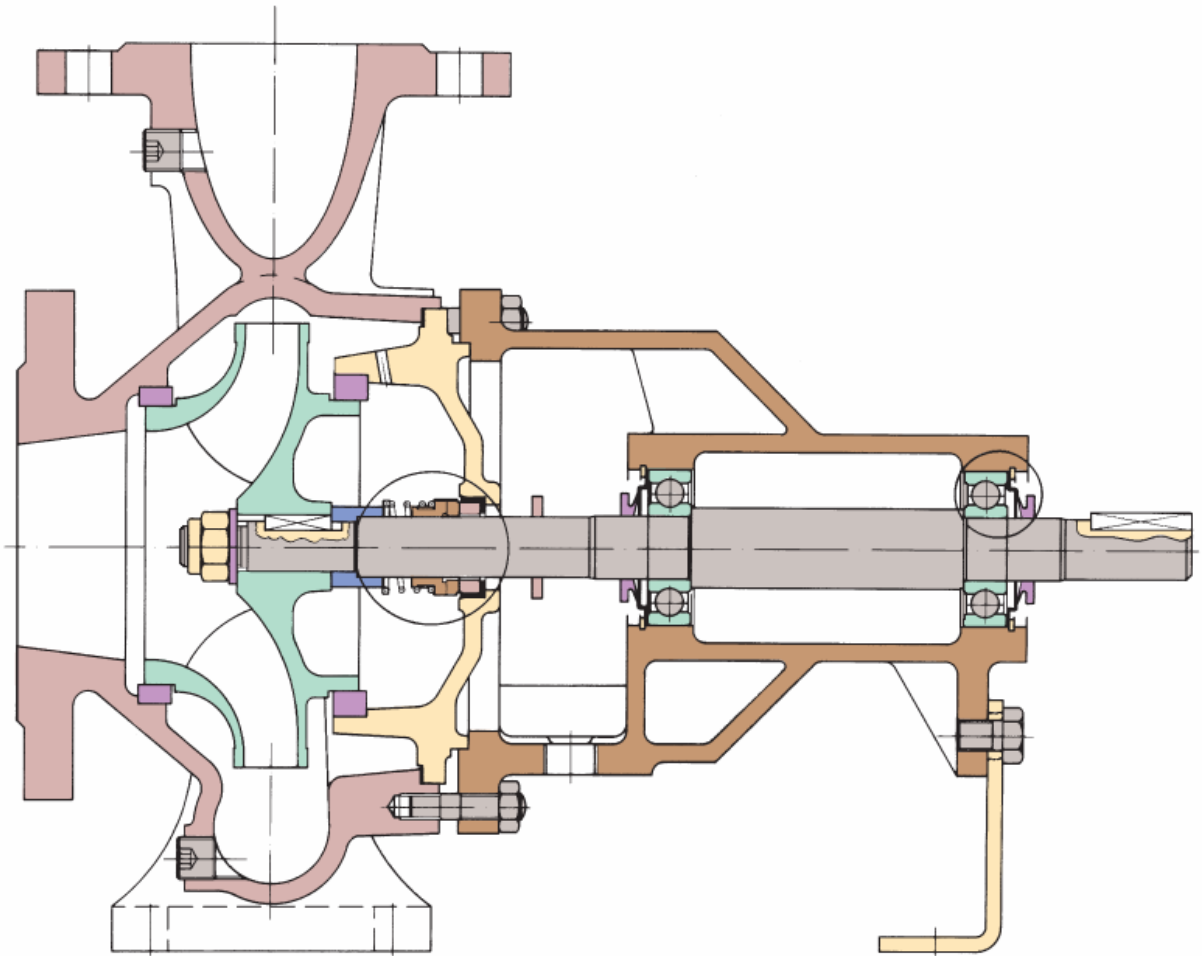
1.750 min<sup>-1</sup>



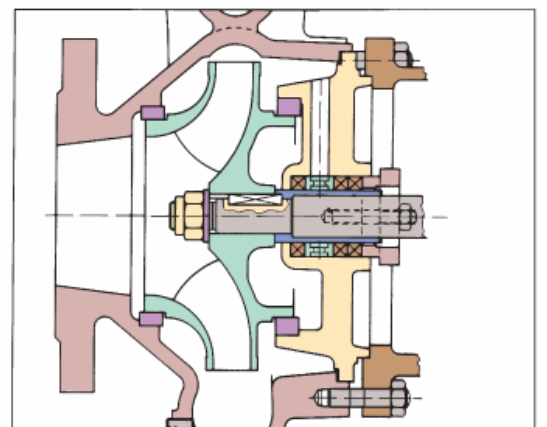
3.500 min<sup>-1</sup>



SECTIONAL DRAWING

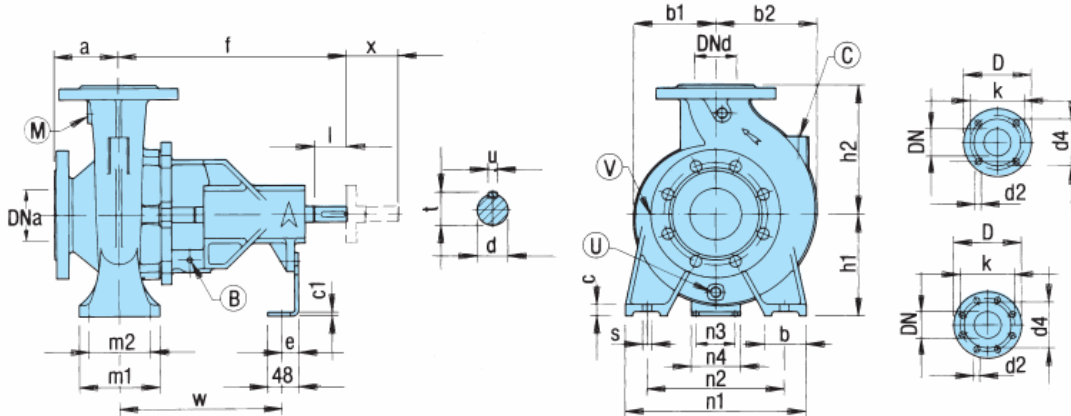


Mechanical seal detail



Stuffing box version

## DIMENSIONS



M, V → Pressure gauge  
 U → Drain  
 B → Leakage drain  
 C → Filling

DN 32, 40, 50, 65 → DIN 3633, PN 16  
 80, 100, 150  
 DN 200 → DIN 2632, PN10

Dn	32	40	50	65	80	100	125	150	200
d4	78	88	102	122	138	158	188	212	268
K $\phi$	100	110	125	145	160	180	210	240	295
D $\phi$	140	150	165	185	200	220	250	285	340
N $^{\circ}$	4	4	4	4	8	8	8	8	8
d2	18	18	18	18	18	18	18	22	22

Type AN	DNa	DNd	a	f	h <sub>1</sub>	h <sub>2</sub>	b	b <sub>1</sub>	b <sub>2</sub>	c	c <sub>1</sub>	e	m <sub>1</sub>	m <sub>2</sub>	n <sub>1</sub>	n <sub>2</sub>	n <sub>3</sub>	n <sub>4</sub>	w	s	d	l	t	u	B	U	M	V	C																					
32-125	50	32	80	360	112	140	115	115	15	4	23	100	70	190	140	110	160	260	14	24	50	26,9	8	G1/2	G3/8	G3/8	G3/8	G1/2																						
32-160					132	160	115	125						240	190																																			
32-200					160	180	125	145						240	190																																			
32-250					180	225	170	175						125	95														320	250																				
40-125	65	40	80	360	112	140	110	115	15	4	23	100	70	210	160	110	160	260	14	24	50	26,9	8	G1/2	G3/8	G3/8	G3/8	G1/2																						
40-160					132	160	110	135						240	190																																			
40-200					160	180	140	155						265	212																																			
40-250					180	225	165	180						320	250																																			
40-315					225	250	195	205						345	280																																			
50-125					65	50	100	360						132	160														115	130	18	6	25	125	95	240	190	110	160	260	14	24	50	26,9	8	G1/2	G3/8	G3/8	G3/8	G1/2
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80-315	250	315	220	245					400	315																																								
80-400	530	280	255	275					435	355																																								
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100-200									225	315	175	215								400	315																													
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100-400					530	280	255	280	435	355																																								
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125-250	280	355	225	275					400	315																																								
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150-250									315	450	255	305										435	355																											
150-315					315	450	285	325	435	355																																								
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Engineered solutions for all your pumping needs

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