



IAC Series

In-line centrifugal monoblock pump with EN 733 hydraulics



Description

- Single-stage centrifugal circulating electric pump, with in-line suction and discharge. Hydraulics according to EN 733.
- Suitable mainly for transferring water up to 150°C.
- The series is supplied with a pump shaft rigidly coupled to the motor shaft, which makes it a completely compact and monoblock unit.
- Sealing solution by mechanical seal according to EN 12756 standards.

Materials

Pump casing	GG-25
Impeller	GG-25
Pump shaft	316 Stainless steel
Lantern	GG-25
Sealing solution	EN 12756 Mechanical seal

Technical data

Motor	Three-phase according to IEC 60034-30 std.
Efficiency	- IE2 o IE3 for powers > 1 HP - IE1 if the power < 1 HP - It can be supplied up to IE5.
Tension	- Three-pase 230/400 V ± 10% up to 5,5 HP - Three-pase 400/690 V ± 10% from 7,5 HP
Poles	2 or 4
Level of protection	IP55
Insulation	F Class

Usage limits

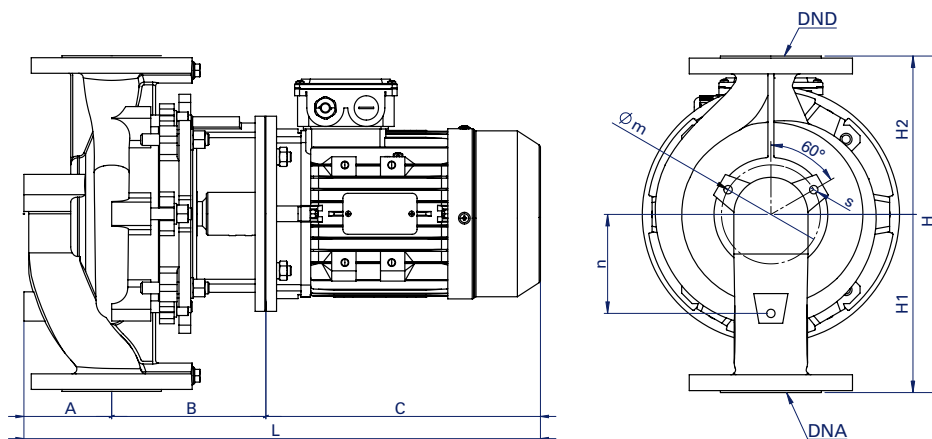
Range of flow rates	Up to 150 m³/h
Range of pressures	Up to 6 bar
Max. working pressure	10 bar
Max. working temperature	150°C
Max. suction height	On load

Connections

	DNS	DND
IAC 50-160	DN50	DN50
IAC 65-200/260	DN65	DN65
IAC 80-200/260	DN80	DN80
IAC 100-310	DN100	DN100
IAC 125-200	DN125	DN125



Dimensions

 $n = 2900 \text{ r.p.m.} / 50 \text{ Hz}$

Model	Motor		Pump dimensions									Anch. dimensions		
	CV	Size	DNS	DND	L	A	B	C	H	H1	H2	Øm	n	ØS
50-160	3	90 L1	50	50	562	90	157	315	340	180	160	100	100	M10
	4	100 L1			599		169	340						
	5,5	112 M			634		194	350						
	7,5	132 S1			669		209	350						
65-200	7,5	132 S1	65	65	669	110	209	350	415	215	200	130	120	M10
	10	132 S2			719		241	400						
	15	132 M2			881		241	530						
	20	160 M2			739		209	400						
80-200	15	132 M2	80	80	739	130	209	400	475	250	225	170	145	M12
	20	160 M2			901		241	530						
	25	160 L												

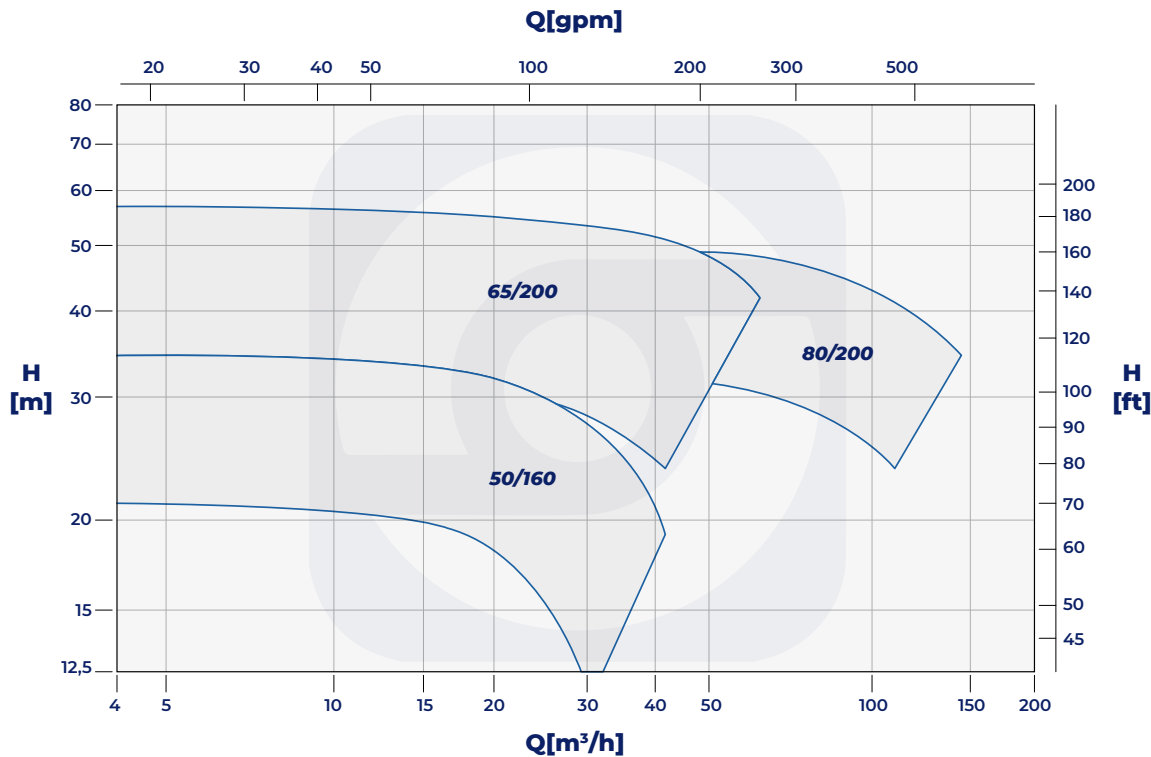
 $n = 1450 \text{ r.p.m.} / 50 \text{ Hz}$

Model	Motor		Pump dimensions									Anch. dimensions		
	CV	Size	DNS	DND	L	A	B	C	H	H1	H2	Øm	n	ØS
50-160	0,5	71 2	50	50	451	90	131	230	340	180	160	100	100	M10
	0,75	71 3												
65-200	1	80 2	65	65	537	110	172	255	415	215	200	130	120	M10
	1,5	80 3			597			315						
	2	90 L1			600			315						
65-260	2	90 L1	65	65	600	115	170	315	500	250	250	170	145	M12
	3	100 L2			625		182	340						
	4	100 L2												
80-200	2	90 L1	80	80	615	130	170	315	475	250	225	170	145	M12
	3	90 L2			640		182	340						
	4	100 L2												
80-260	4	100 L2	80	80	615	135	202	340	500	250	250	170	187	M12
	5,5	100 L3			677									
	7,5	112 L												
100-310	7,5	112 L	100	100	691	150	201	340	670	355	315	260	265	M14
	10	132 M			776		226	400						
	15	160 M			938		258	530						
	20	160 L			1088			680						
	25	180 M			679		189	315						
125-200	3	90 L2	125	125	716	175	201	340	595	315	280	280	245	M14
	4	100 L2					226	400						
	5,5	100 L3			801									
	7,5	112 L												
	10	132 M												

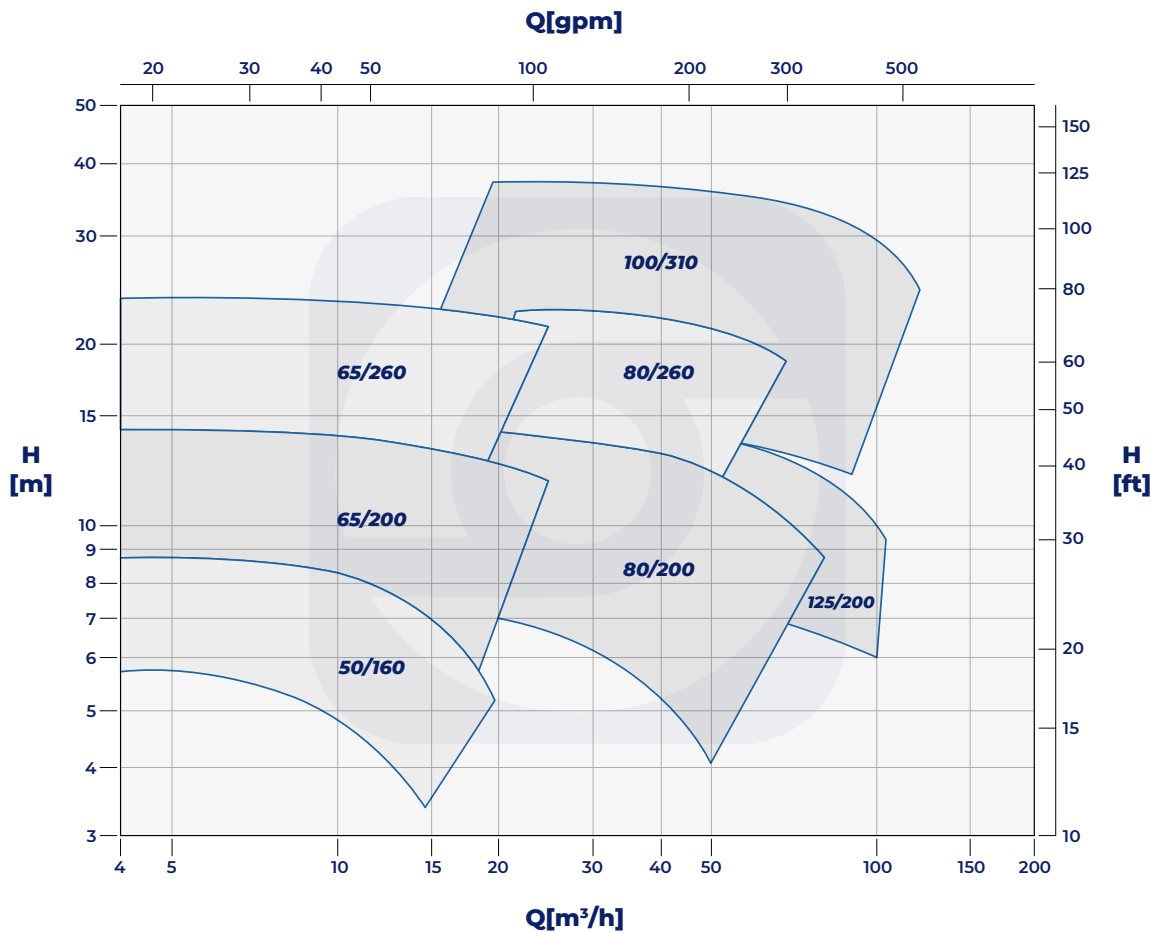


Pump selection charts

$n = 2900 \text{ r.p.m.} / 50 \text{ Hz}$



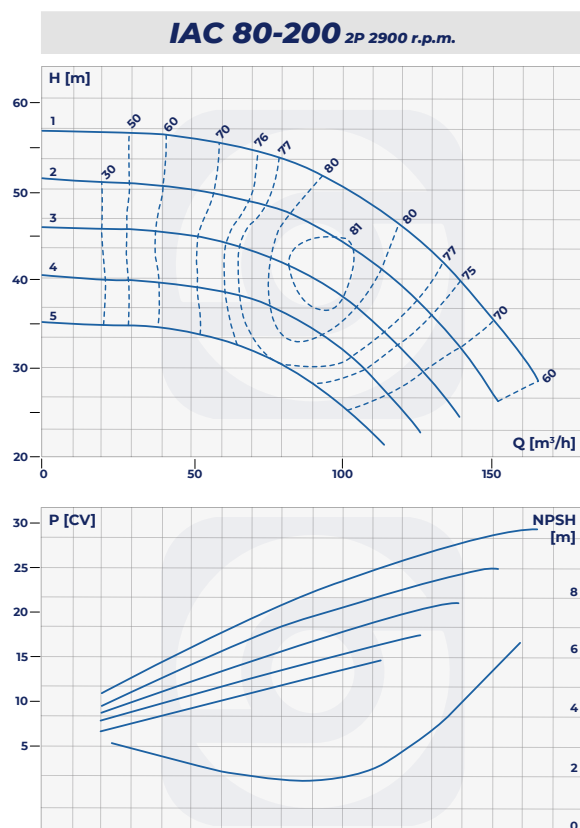
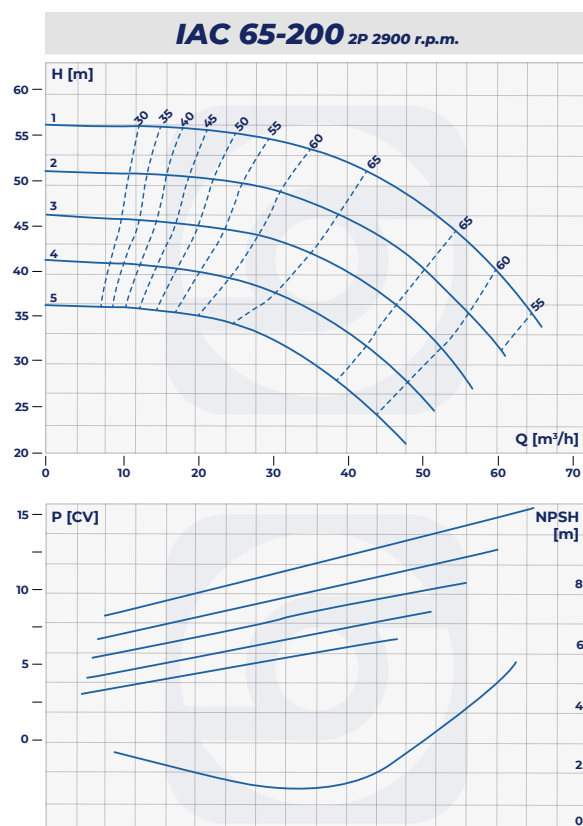
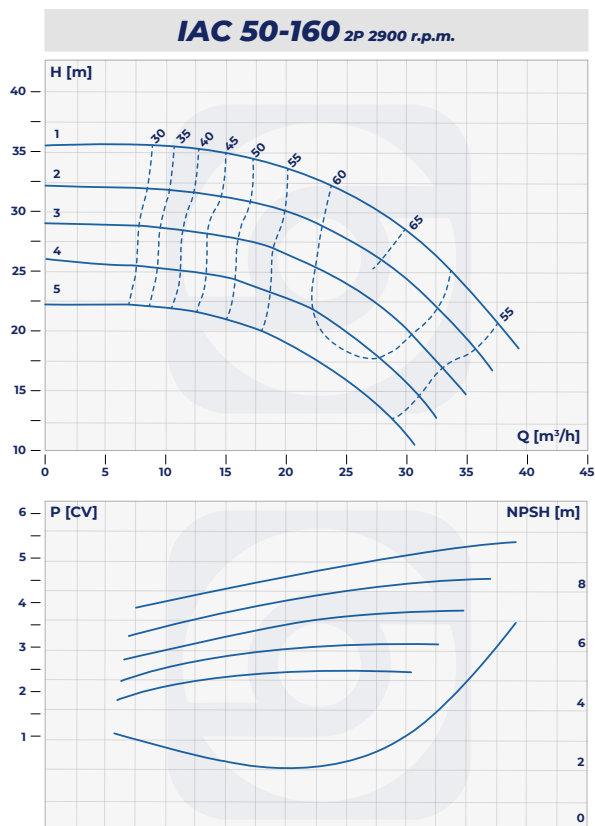
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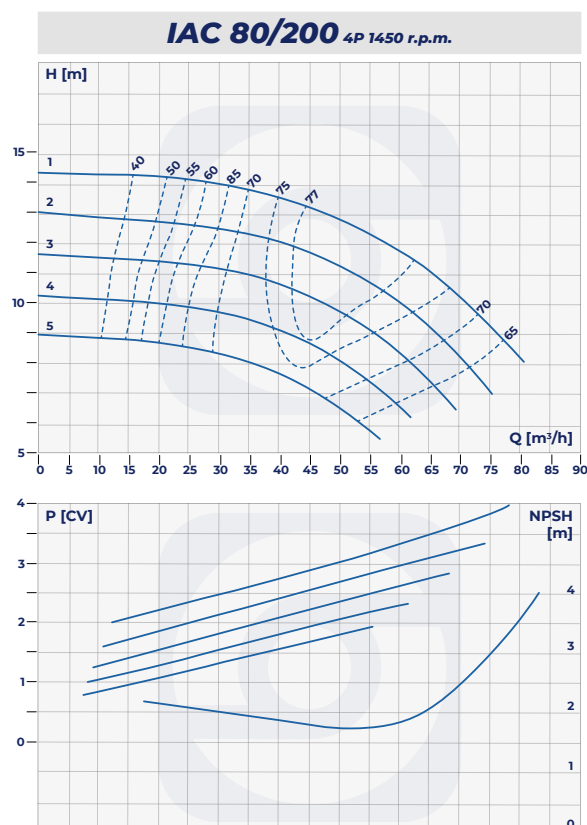
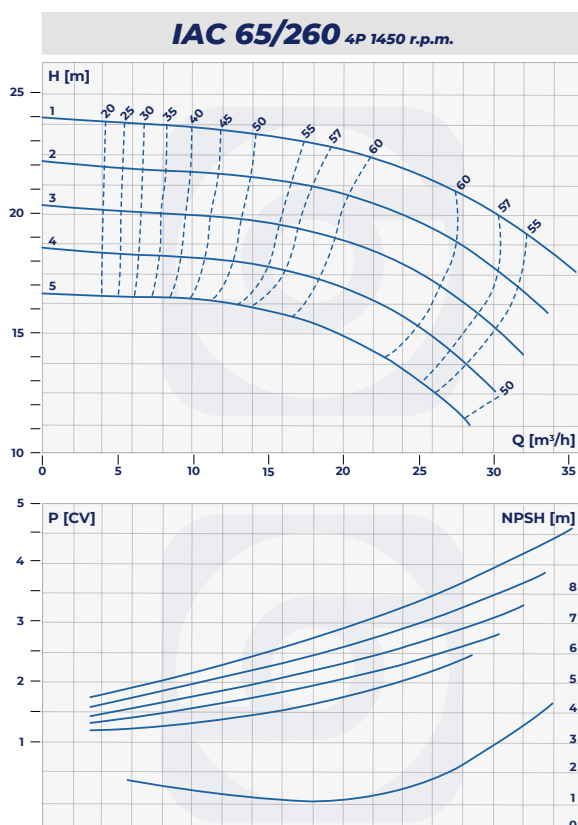
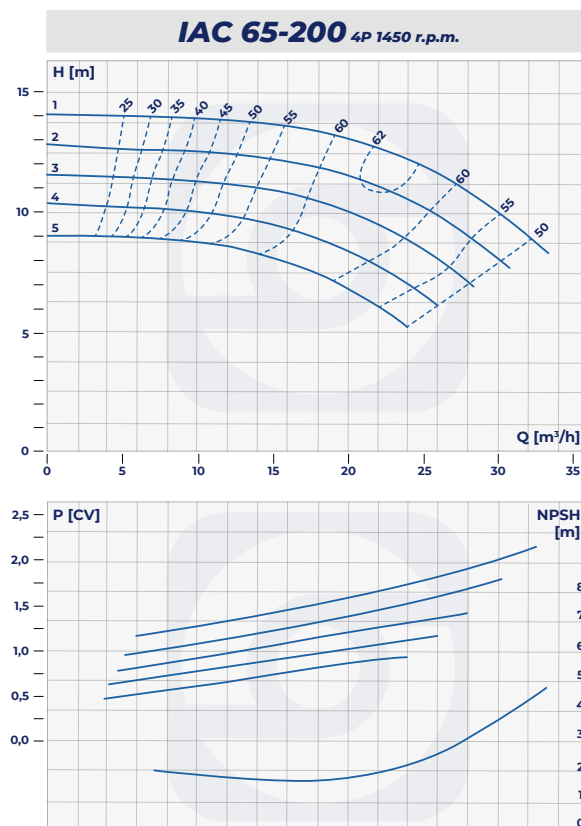
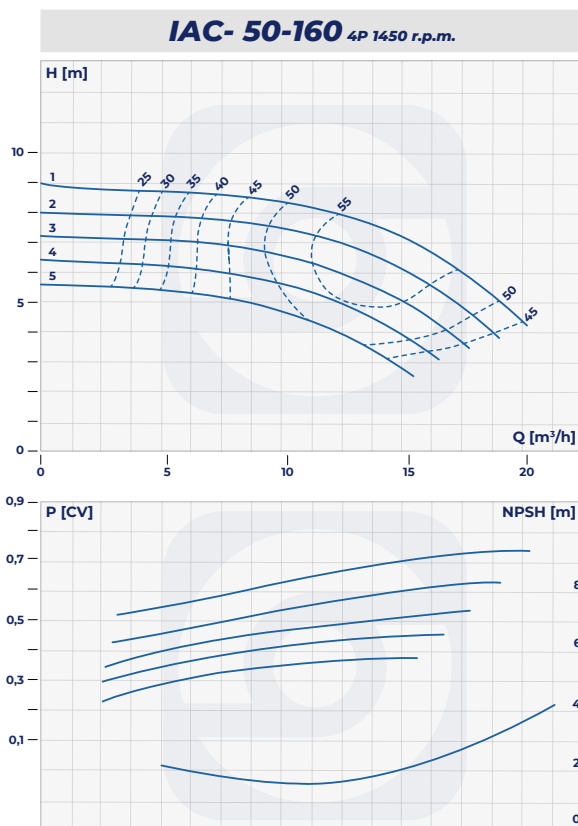
Curvas de funcionamiento

$n = 2900 \text{ r.p.m.} / 50 \text{ Hz}$





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