

VALCO PRODUCTS

Irrigua™-1D EN 733

VOLUTE CASING PUMPS ACCORDING TO EN 733 STANDARD END SUCTION CENTRIFUGAL SINGLE STAGE (with closed impeller). AXIAL FLANGED SUCTION PORT AND RADIAL FLANGE DICHARGE PORT (with horizontal shaft).



CE MADE IN ITALY

VALCO®
International trademark



Manufacturing Group established in Italy in 1976 worldwide.
Works, Pump & Motor Test Laboratory, Pumps and Electric Motors Research Centre.

Exclusive High Tech Pumps for Water and Other Fluids, Motors and Controls, in Standard or Custom Designs.

VALCO: THE MOST COMPLETE RANGE OF PUMPS FOR DOMESTIC, AGRICULTURAL, INDUSTRIAL AND CIVIL USE AND A RELIABLE SOURCE OF PUMP AND MOTOR SERVICE:
A GLOBAL, INNOVATIVE AND COMPETITIVE PUMPING AND MOTORS SOLUTION.

WATER AND PUMPS ARE ESSENTIAL FOR LIFE!

DESCRIPTION:

Performance up to 140 m and 1600 m³/h, these cost-effective, rugged (robust) HEAVY DUTY multipurpose end suction pumps are available in a wide range of sizes.

STANDARDISED VOLUTE CASING PUMPS ACCORDING TO EN 733 STANDARD

VALCO END SUCTION CENTRIFUGAL SINGLE STAGE (with closed single impeller) STANDARD PUMPS WITH STANDARD DIMENSIONS TO EN 733 WITH AXIAL FLANGED SUCTION PORT, AND RADIAL FLANGED DISCHARGE PORT (WITH horizontal shaft) (IE3 electric motors). Back pull-out design: no pipework dismantling for changes of seal and impeller.

HIGH EFFICIENCY HYDRAULICS WITH MEI > 0.40 VALUES AND IE3 MOTORS FOR VERY (EFFECTIVE) LOW OPERATION COSTS.

Irrigua™-1D pumps are designed to pump clean water and fluids (compatible with employees materials) chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive without suspended solids and in non-explosive environments. The stainless steel pumps are suitable for working with various liquids.

Motors: Class F (155 °C)

Fluids temperature: -10 +90 °C (on request +120 °C)

Pump materials: cast iron or stainless steel AISI 304 or 316

Impeller materials: cast iron or stainless steel AISI 304 or 316 or bronze.

CONFIGURATION:

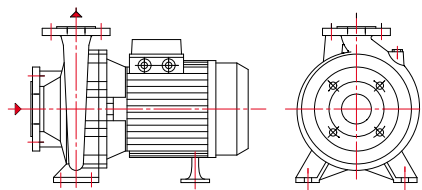
Irrigua™-1D

CLOSE-COUPLED extended shaft with special motor shaft extension, cast iron, coupled to a special electric motor, economical alternative to the frame mounted, of back pull-out design for quick and simple dismantling and reassembling for ease of maintenance.

Single, compact and space-saving balanced unit with incorporated pump base. (no base required).

The compact design saves space with ease of maintenance.

Baseplate and coupling not required.



Irrigua™-1DG

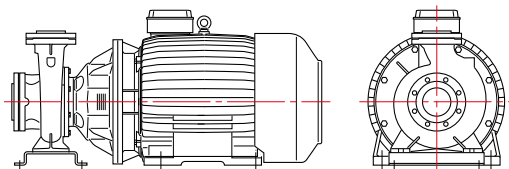
STUB SHAFT RIGID-COUPLED with extended shaft, cast iron.

Stub-shaft and bracket for coupling to a standard electric motor.

Irrigua™-1DG-SS6

STUB SHAFT RIGID-COUPLED with extended shaft, stainless steel AISI 316.

Stub-shaft and bracket for coupling to a standard electric motor.



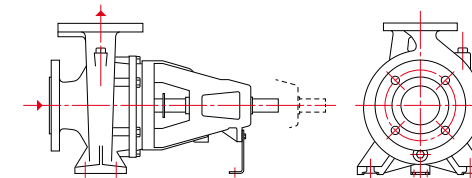
Irrigua™-1DK

BARE SHAFT with bearing bracket, cast iron, supplied without motor, suitable to be coupled with a flexible coupling on a baseplate to a standard 2-pole or 4-pole electric motor (long-coupled through a flexible coupling to a standard electric motor on a baseplate).

It allows the removal, separately, of motor, coupling, bearings bracket and impeller without disturbing the pump housing or pipework.

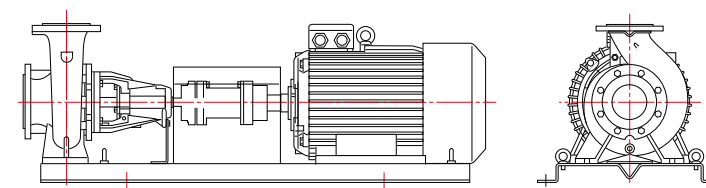
Irrigua™-1DK-SS6

BARE SHAFT with bearing bracket STAINLESS STEEL CASTING AISI 316, supplied without motor suitable to be coupled to a standard 2-pole or 4-pole electric motor.



Irrigua™-1DK-FC / 1DK-SS6-FC / 1D4K-FC / 1D4K-SS6-FC

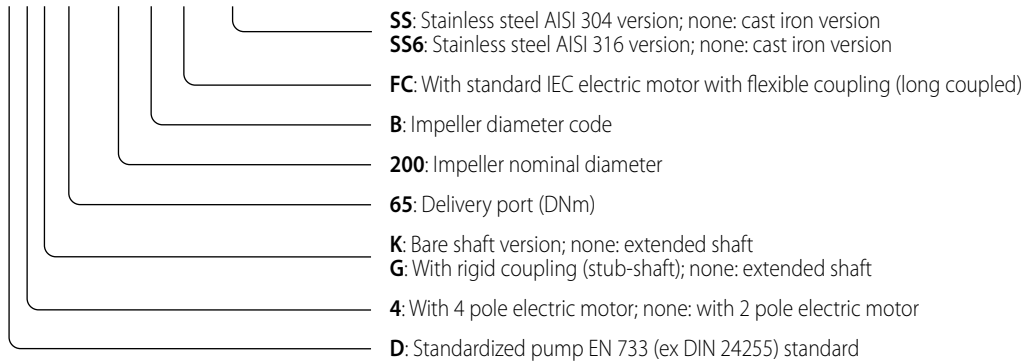
FRAME MOUNTED with bearing bracket, CAST IRON or STAINLESS STEEL, long-coupled through a flexible coupling to a 2-pole or a 4-pole standard electric motor on a baseplate: version with motor, coupling and base. Long-coupled through a flexible coupling to a standard electric motor on a baseplate: it allows the removal, separately, of motor, coupling, bearings bracket and impeller without disturbing the pump housing or pipework.



DESIGNATION/IDENTIFICATION CODES:

Irrigua™-1D VALCO types description key:

D4K65-200B-FC-SS6



Examples:

DK65-200B: bare shaft version, pump in cast iron

DK65-200B-SS6: bare shaft version, pump in stainless steel AISI 316

DK65-200B-FC: with 2 pole standard IEC electric motor with flexible coupling, pump in cast iron

D4K65-200B-FC: with 4 pole standard IEC electric motor with flexible coupling, pump in cast iron

DK65-200B-FC-SS6: with 2 pole standard IEC electric motor with flexible coupling, pump in stainless steel AISI 316

D4K65-200B-FC-SS6: with 4 pole standard IEC electric motor with flexible coupling, pump in stainless steel AISI 316

APPLICATIONS:

Drinking potable water supply, domestic, civil, community and district water boosters, irrigation, firefighting, food processing, chemical, water treatment, sea water pumping, water supply, hot water circulation for central heating, cold water circulation for air conditioning and refrigerating, liquid transfers in agriculture, horticulture and industry, boiler feed, boosting, brine circulation, circulating systems, condensate, draining, filtering, sprinkling, washing, water softening, anti-frost protection, water supply for both civil and industrial uses. Pressurization of water in residential, commercial, industrial and agricultural. Swimming pools for water recirculation. Mining Source, mining dewatering, mine water boosting, municipal water wastewater, residential, recreational boats and vehicles, potable drinking water pumping, ballast water in shipping and ship building.



ADVANTAGES:

- With materials options from cast iron to stainless steel, the best solutions for a wide range of applications.
- High efficiency hydraulics with MEI > 0.40 values and IE3 motors for very (effective) low operation costs.
- Easy maintenance: design with "back pull-out" design: no pipework dismantling for changes of seal and impeller.
- The construction according to the EN 733 standards allows easy replacement on existing systems.

CONTENTS

<i>Irrigua™-1D</i> - Valco Centrifugal Single Stage End Suction Surface Horizontal Cast Iron Close-Coupled Electric Pumps With 2Pole Motors with Standard Dimensions to EN 733 (Ex Din 24255) Standard	page	3
Pumps performance tables	"	3
Pumps performance curves	"	6
Operating Conditions, Construction Materials, Motor	"	15
Dimensions	"	16
Parts list with Exploded view	"	17
 <i>Irrigua™-1DG</i> - Valco Centrifugal Single Stage End Suction Surface Horizontal Cast Iron or Stainless Steel Rigid-Coupled Electric Pumps with 2Pole Motors to EN 733 (Ex DIN 24255) Standard	page	18
Pumps performance tables	"	18
Pumps performance curves	"	19
Operating Conditions, Construction Materials, Motor	"	21
Dimensions	"	22
 <i>Irrigua™-1DK</i> - Valco Centrifugal Single Stage Pumps EN 733 (Ex DIN 24255) Standard In Cast Iron or Stainless Steel (-SS6). Bare Shaft (1DK) or with Standard IEC Electric Motor with Flexible Coupling, 2 Pole (1DK-FC) and 4 Pole (1D4K-FC)	page	23
2 POLE -Pumps performance tables	"	24
4 POLE - Pumps performance tables	"	28
2 POLE - Pumps performance curves	"	34
4 POLE - Pumps performance curves	"	46
Operating Conditions, Construction Materials, Motor	"	63
BARESHAFT VERSION - Dimensions	"	64
2 POLE - Dimensions	"	65
4 POLE - Dimensions	"	67
Parts list with Exploded view	"	70
 STANDARDS	page	71
THE VALCO PROFILE	page	72

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD, FLANGED SUCTION AND DELIVERY PORTS of back pull-out design for quick and simple dismantling and reassembling for ease of maintenance complete with threaded steel counterflanges. Single, compact, balanced unit.

APPLICATIONS:

Drinking potable water supply, domestic, civil, community and district water boosters, irrigation, firefighting, food processing, chemical, water treatment, sea water pumping, water supply, hot water circulation for central heating, cold water circulation for air conditioning and refrigerating, liquid transfers in agriculture, horticulture and industry, boiler feed, boosting, brine circulation, circulating systems, condensate, draining, filtering, sprinkling, washing, water softening, antifrost protection, water supply for both civil and industrial uses.

CONFIGURATIONS:

Irrigua™-1D

CLOSE-COUPLED extended shaft with special motor shaft extension, cast iron, coupled to a special electric motor, economical alternative to the frame mounted, of back pull-out design for quick and simple dismantling and reassembling for ease of maintenance.

Single, compact and space-saving balanced unit.

Baseplate and coupling not required.



TYPES		HP	kW	Q = Performance at 2900 rpm																In (A) 1x230V	In (A) 3x400V	Max Eff. %									
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	4,5	6	7,5	9	12	15	18	21	24	27	30	33														
				l/m	0	75	100	125	150	200	250	300	350	400	450	500	550														
DM32-160C	D32-160C	2	1,5	Hm = Total head in meters w.c.	24,7	24,4	24,1	23,6	23,0	21,5	19,6	17,2	14,1															10,4	4,0	57	
DM32-160B	D32-160B	3	2,2		29,0		28,5	28,0	27,3	25,7	23,8	21,4	18,5	14,8															13,8	5,2	57
-	D32-160A	4	3		36,8		36,4	36,0	35,4	34,2	32,8	31,1	28,8	26,0	22,3														-	7,1	57
DM32-200C	D32-200C	5,5	4		40,1		39,7	39,6	39,3	38,3	36,9	35,2	33,0	30,4	27,6														22,7	8,8	54
-	D32-200B	7,5	5,5		50,1		50,2	50,1	49,9	49,3	48,0	46,4	44,5	42,4	39,8	37,2													-	12,4	55
-	D32-200B-R	7,5	5,5		46,4		46,5	46,4	46,2	45,4	44,2	42,5	40,5	38,3	35,7	32,5												-	11,1	55	
-	D32-200A	10	7,5		58,6		59,0	58,9	58,8	58,2	57,1	55,5	53,4	51,1	48,4	45,6	42,5											-	15,0	55	
-	D32-200A-R	10	7,5		55,1		55,1	55,0	54,9	54,2	52,9	51,2	49,2	46,8	44,3	41,6												-	13,1	55	
-	D32-250C	12,5	9,2		70,0			68,5	68,0	67,0	65,5	63,5	61,0	58,0	50,0	36,5												-	20,1	48	
-	D32-250B	15	11		82,0			81,0	80,5	79,5	78,5	77,0	74,5	71,9	65,0	52,5												-	24,2	48	
-	D32-250A	20	15		93,0			92,5	92,0	91,5	90,5	89,5	87,5	85,0	78,5	66,0												-	30,1	40	
-	D32-250A-R	20	15		91,0			90,0	89,9	89,0	88,0	86,0	83,5	80,8	74,0	61,5												-	27,4	40	

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

TYPES		HP	kW	Q = Performance at 2900 rpm																				In (A) 1x230V	In (A) 3x400V	Max Eff. %
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	7,5	9	12	15	18	21	24	27	30	33	36	39	42	48	54	60					
				l/m	0	125	150	200	250	300	350	400	450	500	550	600	650	700	800	900	1000					
DM40-125C	D40-125C	2	1,5	18,9		19,0	18,8	18,3	17,7	16,9	15,9	14,7	13,2	11,6	9,9								10,0	3,6	68	
DM40-125B	D40-125B	3	2,2	22,5		22,9	22,8	22,5	21,9	21,2	20,3	19,2	18,0	16,7	15,2	13,4							12,2	4,8	69	
-	D40-125A	4	3	26,2		26,6	26,5	26,3	25,9	25,2	24,4	23,4	22,2	20,9	19,4	17,8	16,0						-	6,4	69	
DM40-160B	D40-160B	4	3	30,0		30,1	30,0	29,6	29,0	28,2	27,1	25,9	24,4	22,8	21,0	19,1							19,0	7,2	68	
DM40-160A	D40-160A	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	23,5						24,5	9,2	72	
-	D40-200B	7,5	5,5	44,7		44,9	44,8	44,6	44,0	42,9	41,6	40,0	38,1	36,1	33,6	30,8	27,9						-	12,7	60	
-	D40-200B-R	7,5	5,5	42,2		42,4	42,3	42,1	41,3	40,3	39,1	37,5	35,5	33,3	30,7	28,0							-	11,1	60	
-	D40-200A	10	7,5	57,7		57,7	57,5	57,1	56,3	55,4	54,1	52,5	50,5	48,5	45,9	43,3	40,3						-	16,5	60	
-	D40-200A-R	10	7,5	49,7		49,7	49,7	49,4	48,7	47,9	46,6	45,0	43,2	41,1	38,6	35,9							-	13,8	60	
-	D40-250C	12,5	9,2	63,0		62,6	62,4	61,9	61,3	60,5	59,7	58,6	57,1	55,0	52,4	49,6							-	20,2	52	
-	D40-250B	15	11	70,8		71,3	71,2	71,0	70,5	69,8	68,4	66,6	65,4	63,8	61,2	58,5	55,6						-	23,9	53	
-	D40-250A	20	15	86,1		86,3	86,5	86,4	86,0	85,6	85,0	84,1	82,9	81,3	79,4	77,0	74,3	67,9					-	31,3	55	
-	D40-250A-R	20	15	77,9		78,5	78,4	78,2	77,8	77,3	76,6	75,5	74,1	72,5	70,2	67,4	64,3						-	26,9	53	
-	D40-250B-F	25	18,5	93,1		93,8	94,2	94,2	93,8	93,4	92,9	92,2	91,3	90,2	88,8	87,3	85,6	81,4	75,1				-	38,0	60	
-	D40-250A-F	30	22	101,6		101,9	101,6	101,4	101,2	101,0	100,7	100,3	99,7	98,9	97,8	96,3	94,6	91,2	87,0	80,6			-	43,0	60	

TYPES		HP	kW	Q = Performance at 2900 rpm																				In (A) 1x230V	In (A) 3x400V	Max Eff. %
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	2	78				
				l/m	0	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300				
DM50-125B	D50-125B	4	3	19,8	20,2	20,2	20,1	20,0	19,8	19,5	19,3	18,8	18,5	18,0	17,6	16,5	15,3	14,0	12,5	10,8			18,4	7,1	73	
DM50-125A	D50-125A	5,5	4	24,8	25,2	25,2	25,1	25,0	24,8	24,6	24,3	23,9	23,5	23,2	22,7	21,8	20,7	19,4	17,9	16,2			25,4	9,6	78	
-	D50-160B	7,5	5,5	31,1				32,1	32,0	31,7	31,4	31,0	30,4	29,7	28,9	27,3	25,3	23,1	20,7	18,0	15,2		-	11,6	74	
-	D50-160B-R	7,5	5,5	29,3				30,3	30,2	30,0	29,6	29,0	28,4	27,7	26,9	25,2	23,2	21,0	18,7	16,1	13,2		-	10,7	74	
-	D50-160A	10	7,5	36,7				37,9	37,8	37,7	37,4	37,1	36,6	36,1	35,4	33,9	32,1	30,0	27,8	25,3	22,6		-	15,8	74	
-	D50-160A-R	10	7,5	34,3				35,4	35,3	35,0	34,7	34,3	33,8	33,2	32,4	30,7	28,7	26,5	24,3	21,8	19,0		-	14,1	74	
-	D50-200C	12,5	9,2	46,0					45,6	45,1	44,5	43,7	42,9	41,8	40,8	38,5	35,9	33,0	29,0	24,5			-	18,5	63	
-	D50-200B	15	11	50,8					51,0	50,5	50,0	49,3	48,5	47,7	46,8	44,7	42,2	39,5	35,9	32,0			-	21,0	63	
-	D50-200A	20	15	58,0					58,3	58,0	57,5	57,0	56,4	55,7	55,0	53,2	51,3	49,0	46,3	42,8	38,8		-	27,0	62	
-	D50-200A-R	20	15	57,0					57,3	57,1	56,7	56,2	55,6	54,8	54,1	52,2	50,2	47,5	44,0	40,0			-	25,4	62	
-	D50-250C	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		-	32,5	62	
-	D50-250B	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		-	41,5	62	
-	D50-250A	30	22,5	90,0						89,5	88,8	88,3	87,7	86,9	86,1	84,5	82,7	80,5	78,0	75,2	71,7		-	51,5	61	

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

TYPES		HP	kW	Q = Performance at 2900 rpm																				In (A) 1x230V	In (A) 3x400V	Max Eff. %
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	30	33	36	39	42	48	54	60	66	72	78	84	96	108	120	132	144	156			
				l/m	0	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600			
-	D65-125B	7,5	5,5	H _m = Total head in meters w.c.	20,9	22,0	22,0	21,9	21,8	21,7	21,4	21,0	20,6	20,1	19,6	19,0	18,3	16,6	14,7	12,6				-	12,6	81
-	D65-125B-R	7,5	5,5		19,4	20,4	20,4	20,3	20,2	20,1	19,8	19,4	19,0	18,5	17,9	17,2	16,5	15,0	13,3	11,1				-	11,0	81
-	D65-125A	10	7,5		25,4	26,4	26,4	26,4	26,3	26,3	26,1	25,9	25,6	25,3	24,9	24,5	24,0	22,7	21,0	18,9	16,5			-	16,3	84
-	D65-125A-R	10	7,5		23,0	24,1	24,1	24,0	23,9	23,8	23,6	23,3	23,0	22,7	22,3	21,8	21,2	19,7	17,8	15,7				-	14,0	84
-	D65-160C	12,5	9,2		29,8					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		-	19,5	80
-	D65-160B	15	11		33,0					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		-	22,5	81
-	D65-160A	20	15		39,2					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		-	30,0	81
-	D65-160A-R	20	15		37,1					38,5	38,3	38,1	37,8	37,5	37,1	36,7	36,1	34,6	32,8	30,7	28,4	25,7		-	27,6	81
-	D65-200C	20	15		45,3							46,3	45,7	45,1	44,3	43,4	42,3	39,8	36,7	32,7	28,0			-	31,4	72
-	D65-200C-R	20	15		43,1							43,8	43,2	42,5	41,7	40,6	39,5	36,8	33,4	29,3	24,5			-	28,8	73
-	D65-200B	25	18,5		51,6							52,6	52,2	51,8	51,0	50,2	49,3	47,1	44,1	40,9	36,6	31,3		-	38,2	75
-	D65-200A	30	22,5		60,2							61,0	60,6	60,1	59,5	58,7	57,8	55,8	53,1	49,8	46,1	41,7		-	43,8	78
-	D65-250B	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		-	63,5	74
-	D65-250A	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	-	74,5	76

TYPES		HP	kW	Q = Performance at 2900 rpm																				In (A) 1x230V	In (A) 3x400V	Max Eff. %
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240					
				l/m	0	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000					
-	D80-160E	12,5	9,2	H _m = Total head in meters w.c.	21,4	22,4	22,1	21,6	21,2	20,2	19,2	18,0	16,8	15,4	13,7	12,0							-	17,2	78	
-	D80-160D	15	11		25,4	26,4	26,1	25,7	25,3	24,4	23,6	22,5	21,3	20,0	18,5	16,9	15,1							-	22,1	79
-	D80-160C	20	15		29,7	30,7	30,5	30,3	29,9	29,2	28,1	27,1	26,0	24,7	23,1	21,5	19,7	17,2						-	27,4	79
-	D80-160C-R	20	15		28,5	29,5	29,3	29,0	28,6	27,8	26,9	25,7	24,6	23,3	21,7	19,9	17,9	15,2						-	25,5	79
-	D80-160B	25	18,5		34,0	35,0	35,0	34,8	34,6	34,0	33,3	32,5	31,6	30,5	29,2	27,8	26,0	23,6	21,0					-	34,8	80
-	D80-160A	30	22,5		38,8	39,8	39,7	39,6	39,4	38,9	38,2	37,5	36,7	35,7	34,5	33,2	31,6	29,4	26,8	23,5				-	39,8	82
-	D80-200B	40	30		50,1					53,5	52,7	51,8	50,9	49,9	48,5	46,9	45,2	42,9	40,4	37,7				-	56,5	83
-	D80-200A	50	37		56,7					60,6	59,9	59,1	58,1	57,2	56,0	54,4	52,7	50,7	48,3	45,6	42,4			-	67,0	83

TYPES		HP	kW	Q = Performance at 2900 rpm																				In (A) 1x230V	In (A) 3x400V	Max Eff. %
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m³/h	0	96	108	120	132	144	156	168	180	195	210	225	240	270	300	330						
				l/m	0	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	4500	5000	5500						
-	D100-160B	40	30	H _m	41,8	41,1	41,1	40,9	40,6	40,2	39,7	39,2	38,6	37,9	37,0	36,0	34,8	32,1	28,8	25,1			-	57,2	82	
-	D100-160A	50	37		45,7	45,1	45,2	45,1	44,8	44,4	44,0	43,6	43,2	42,4	41,5	40,5	39,5	37,2	34,3	31,0			-	65,0	84	

• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

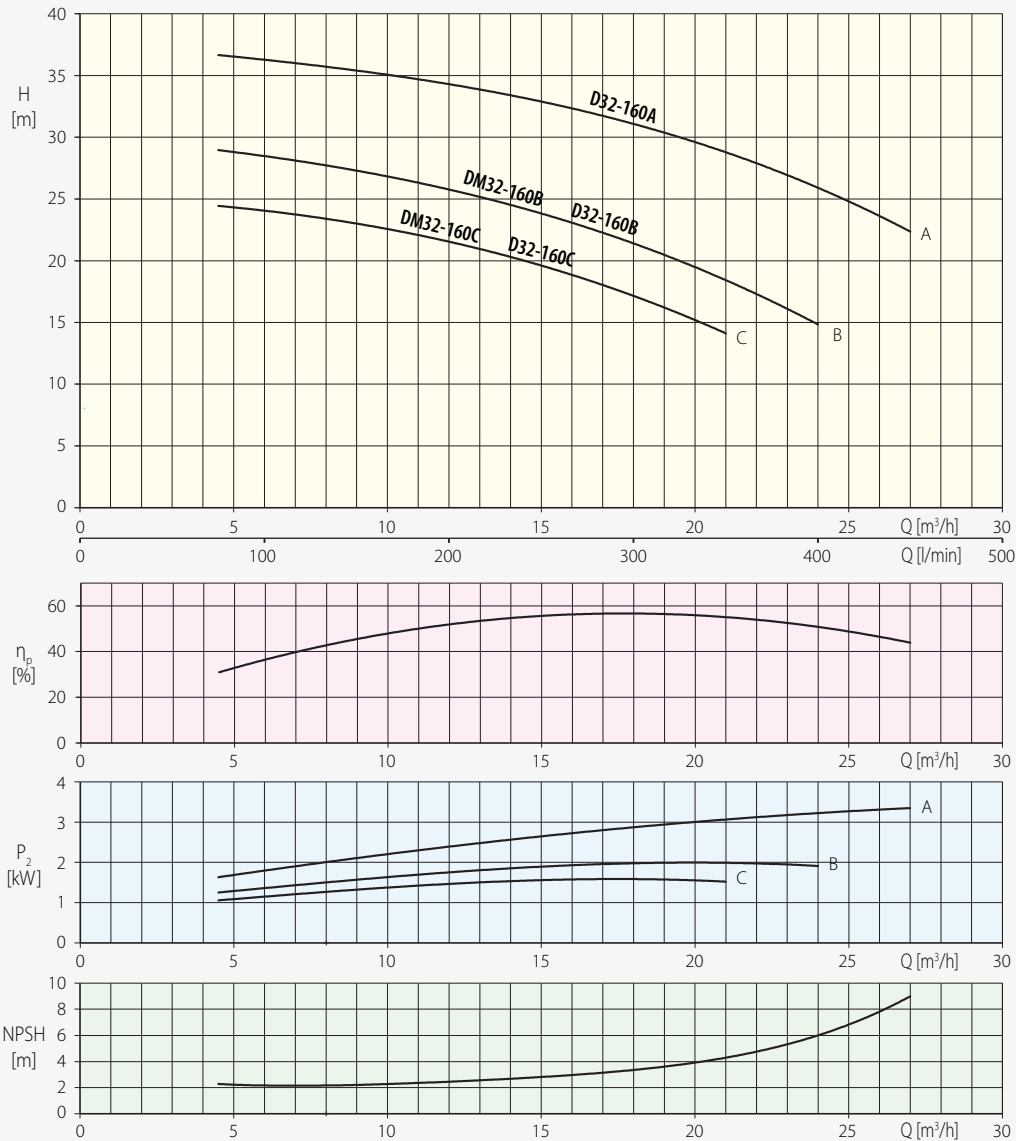
• Tolerances according to ISO 9906 Grade 3B.

1Phase version: 230 V

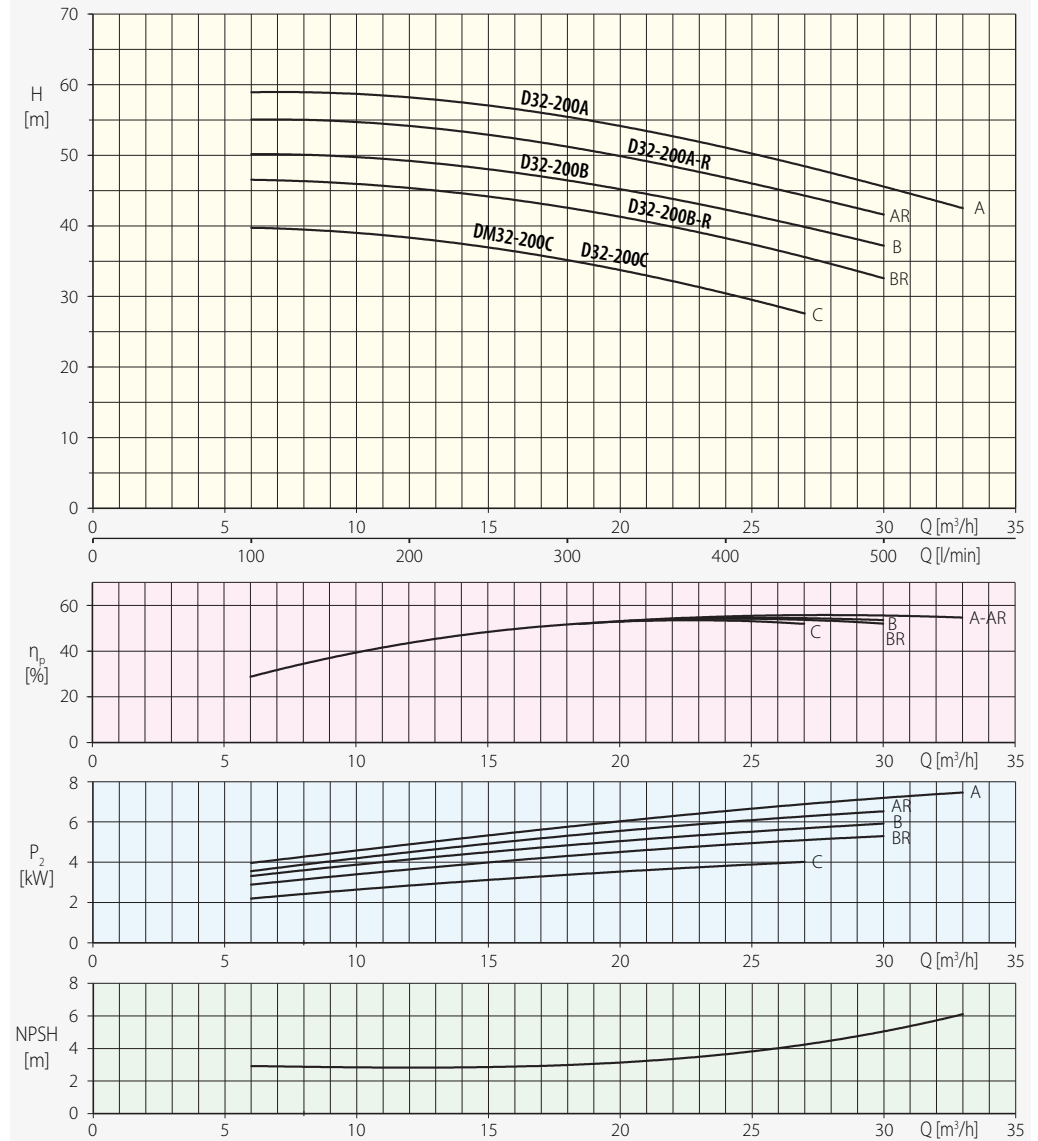
3Phase version: 230/400 V up to 4 kW; 400/690 V from 5,5 kW and above

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

32-160



32-200



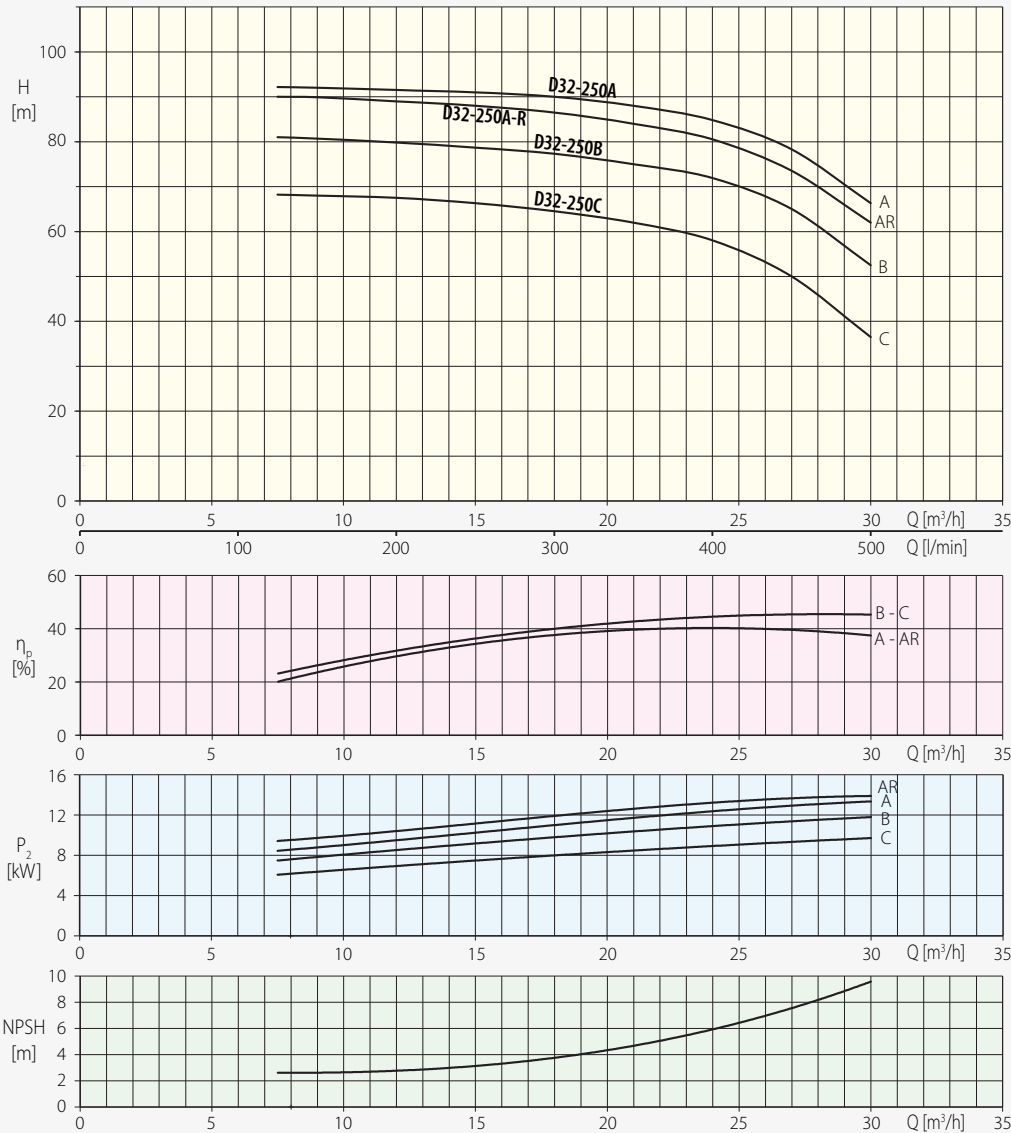
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

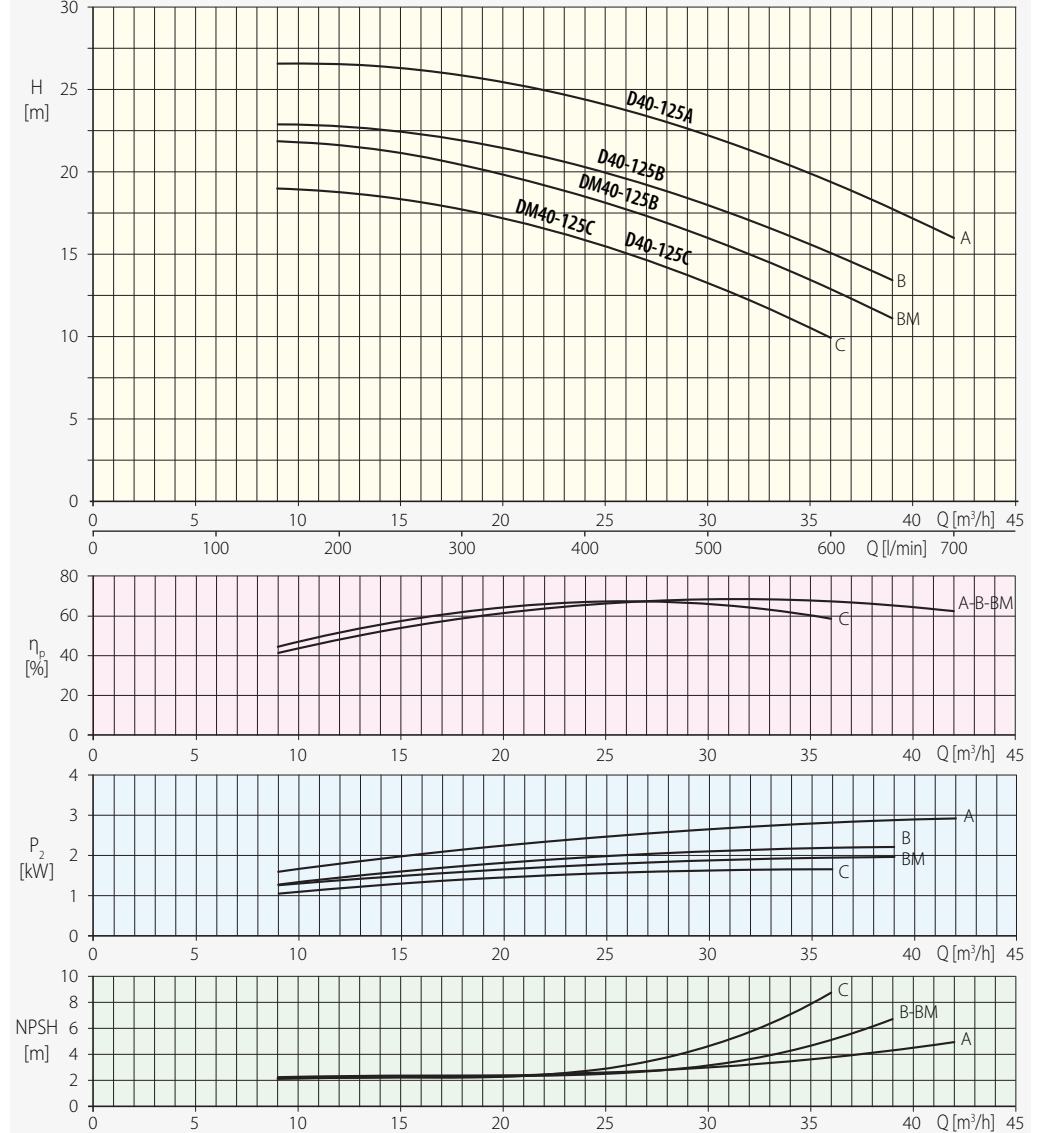
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

32-250



40-125



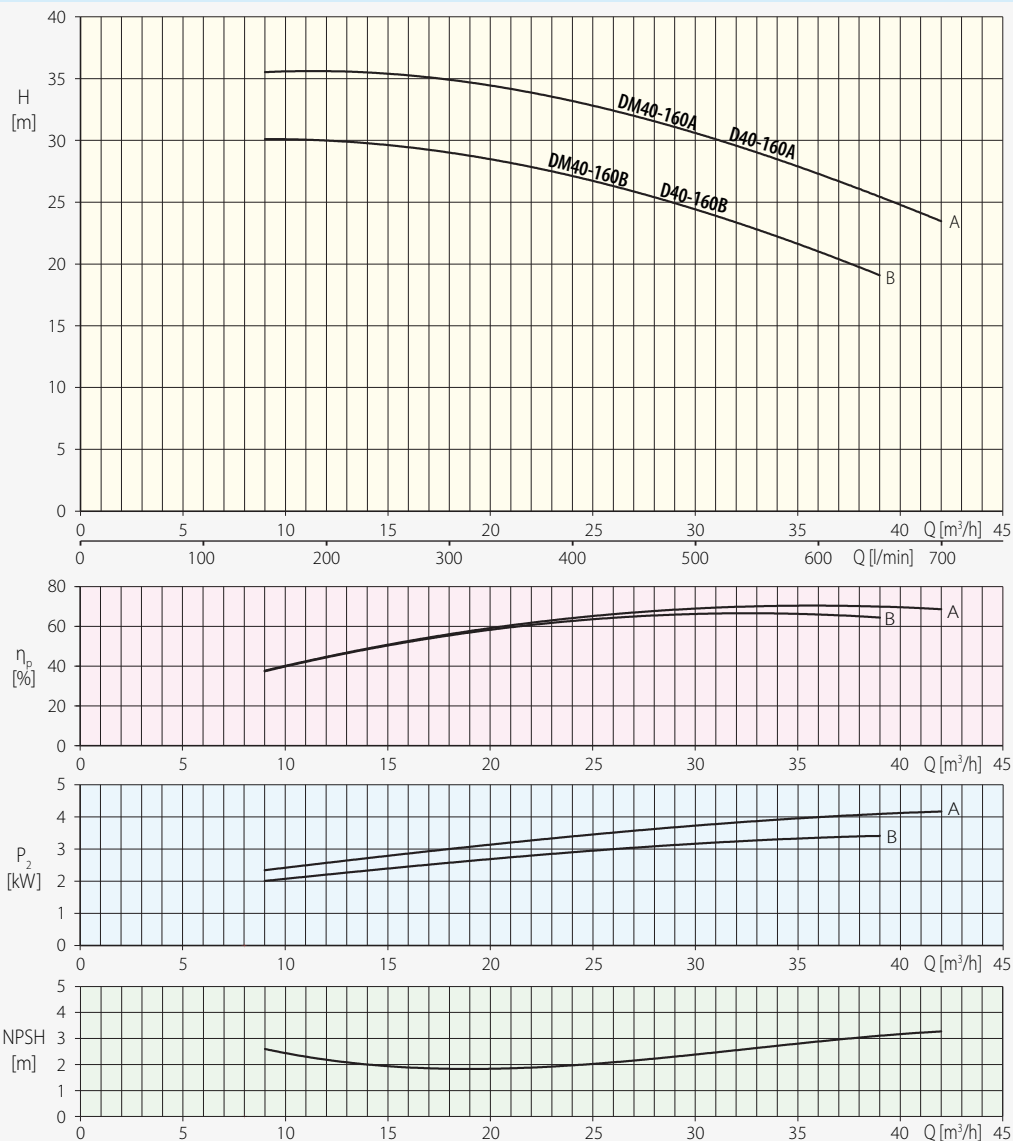
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

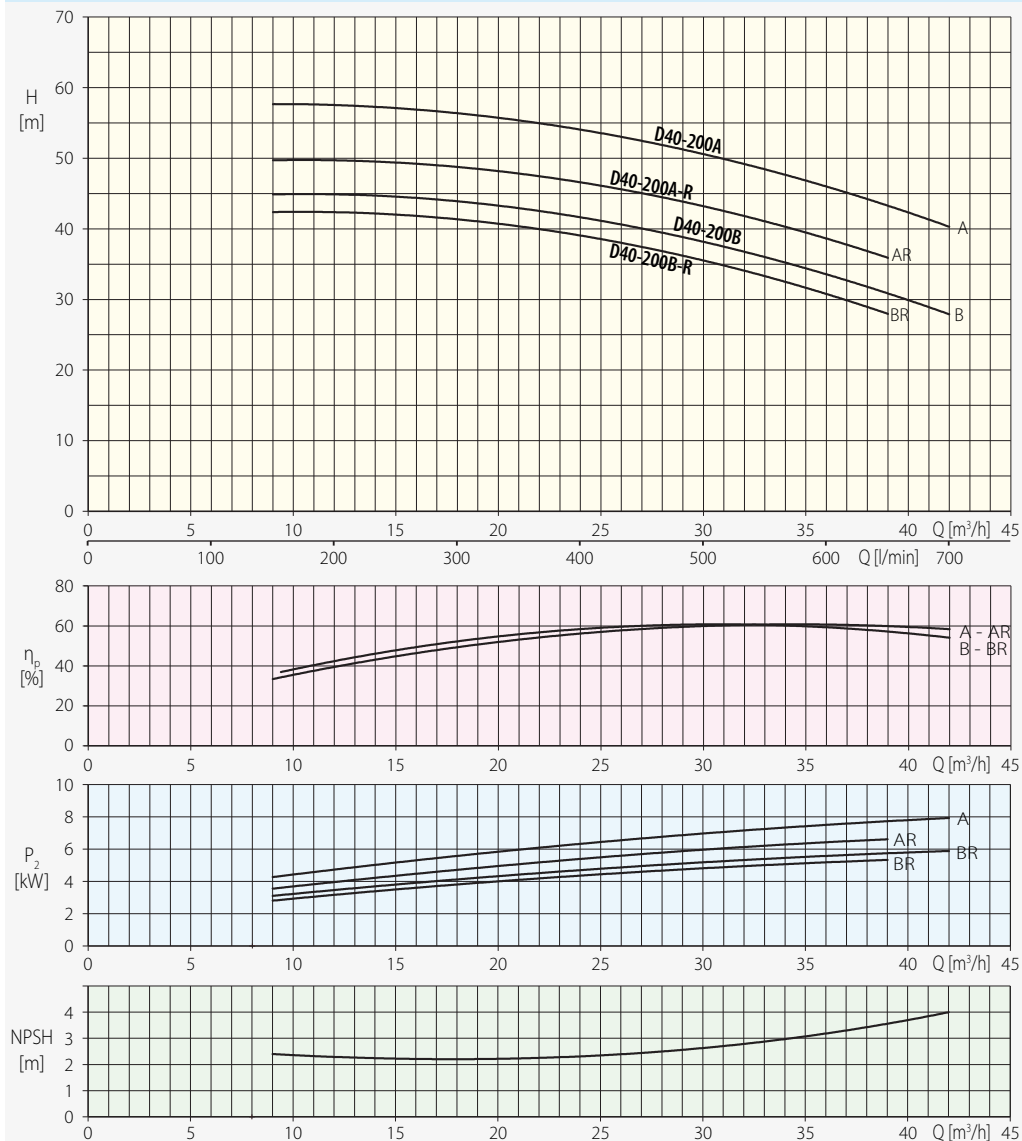
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

40-160



40-200



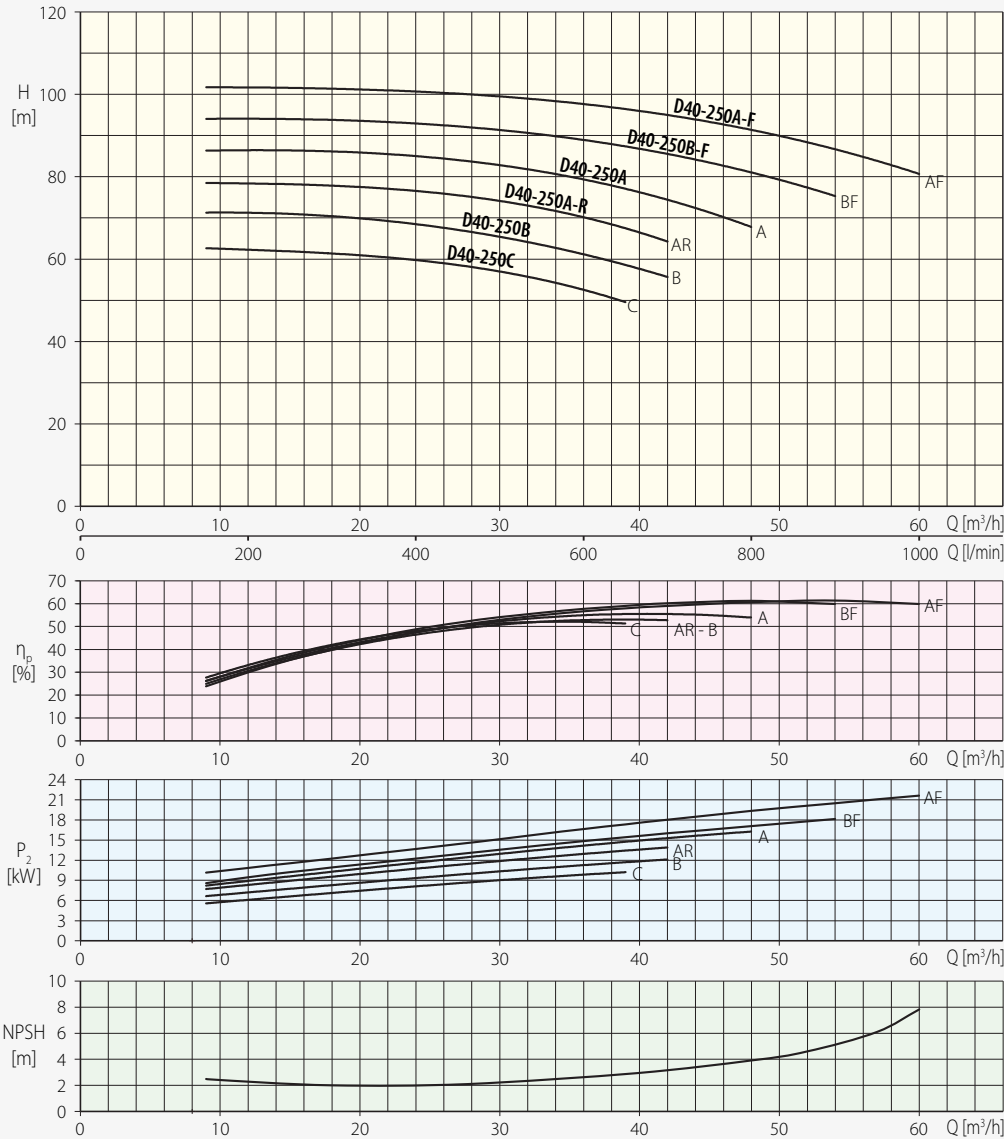
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

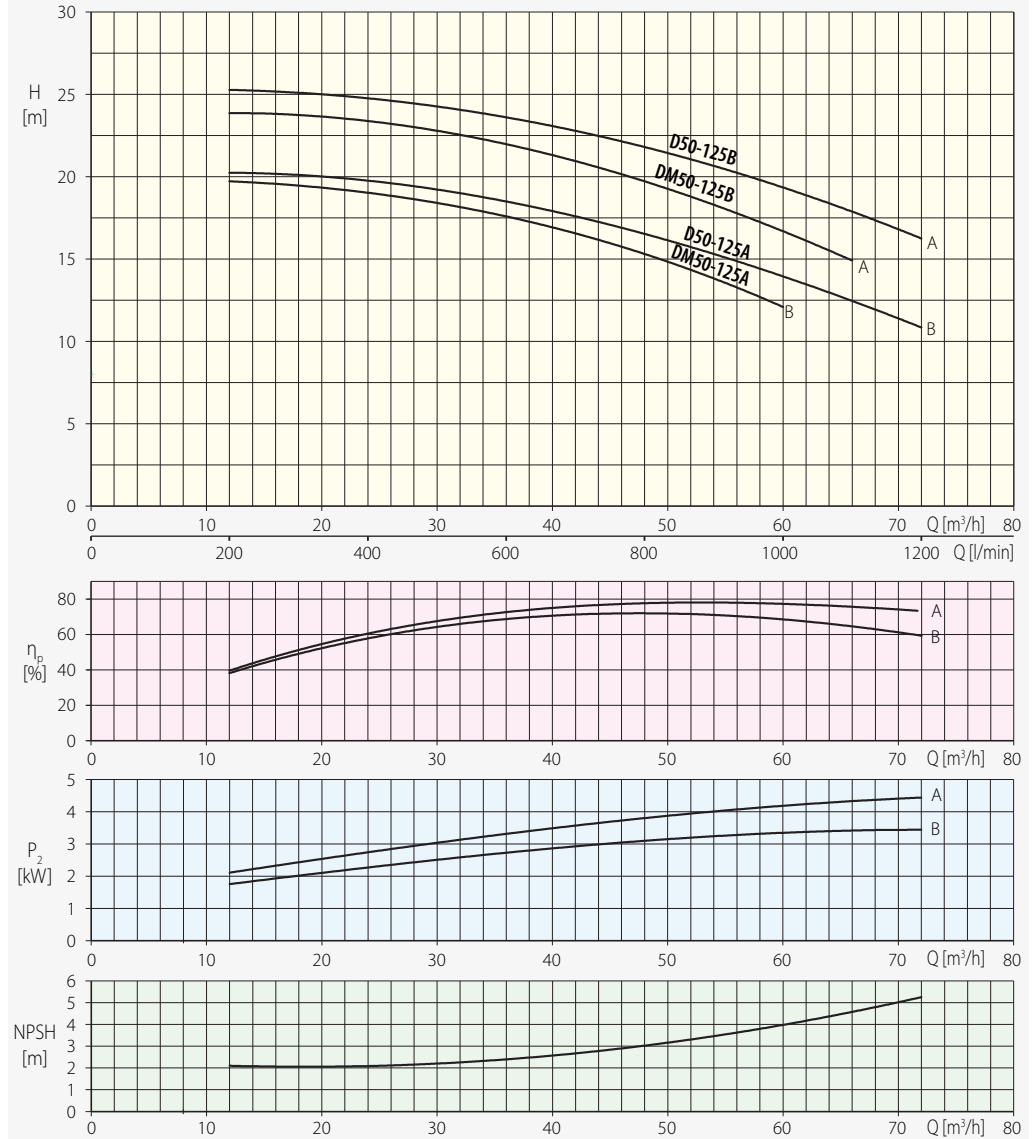
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

40-250



50-125



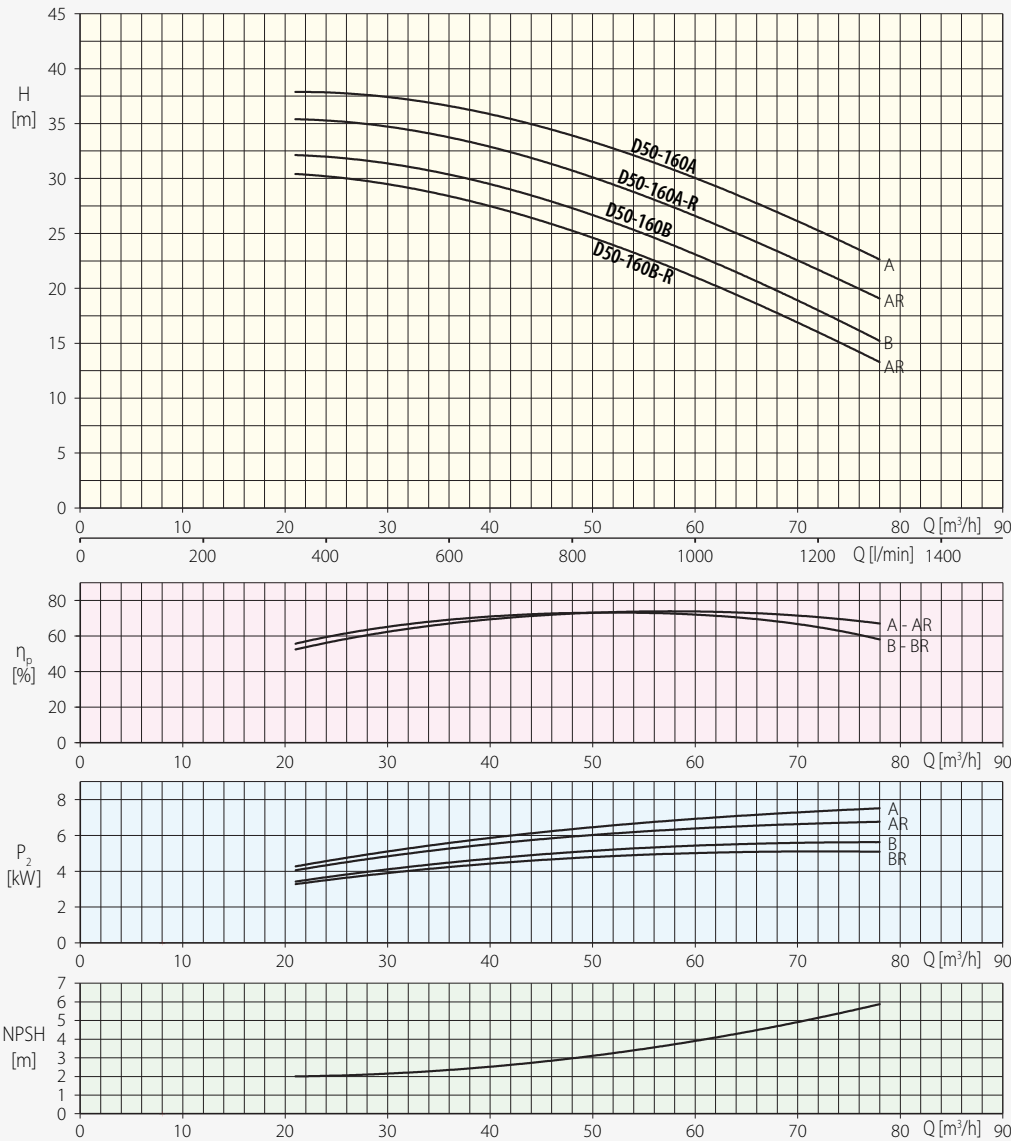
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

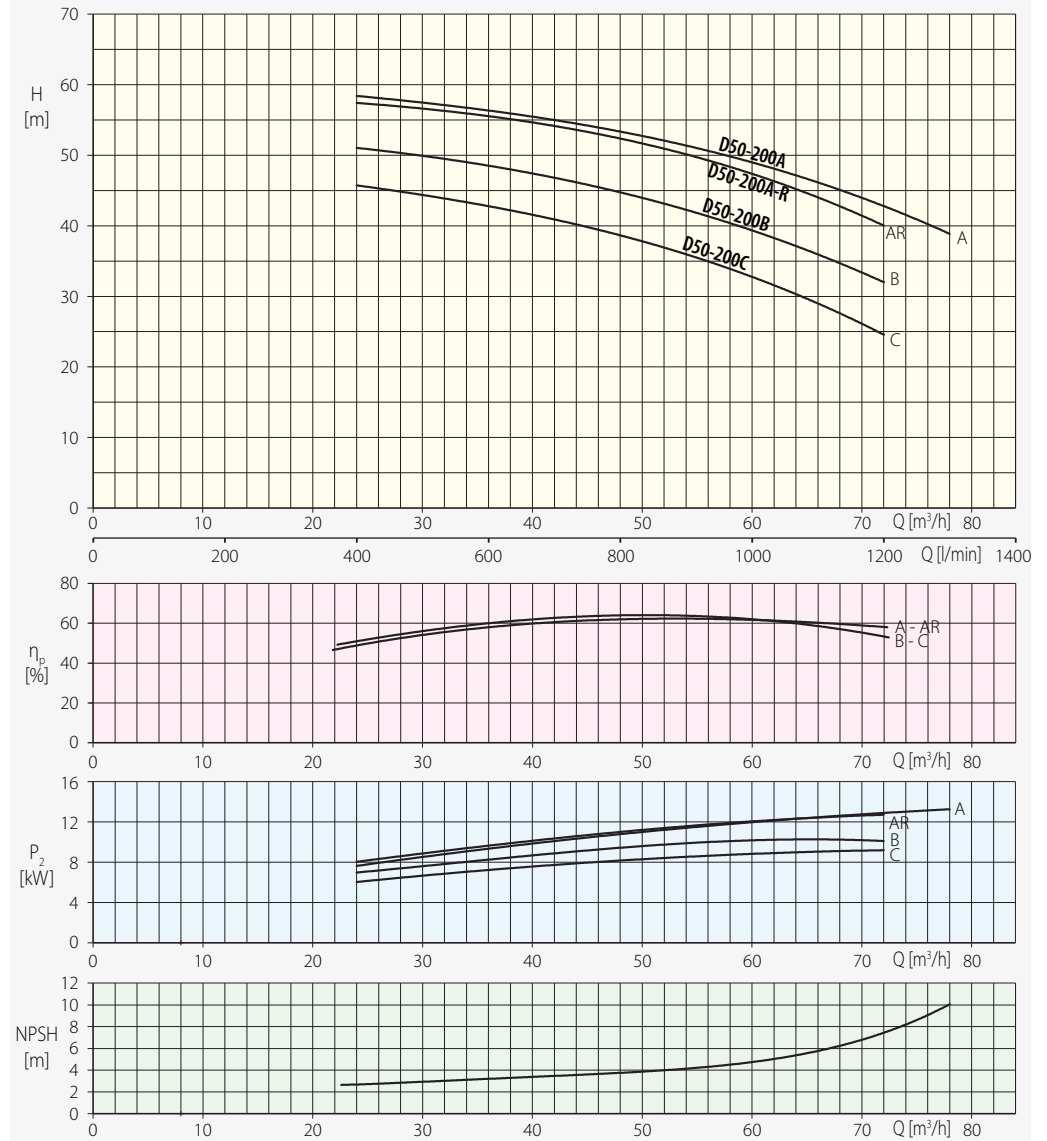
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

50-160



50-200



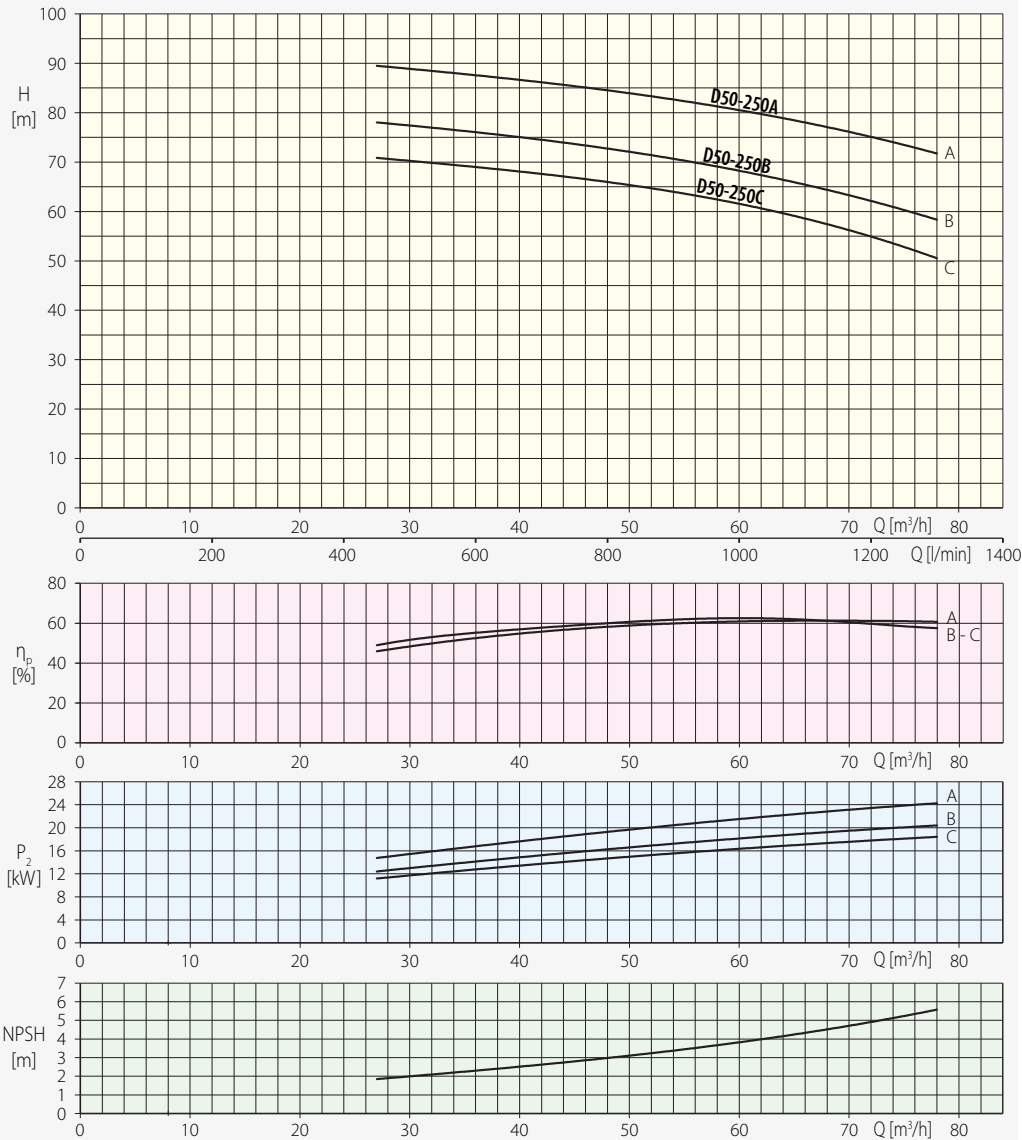
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

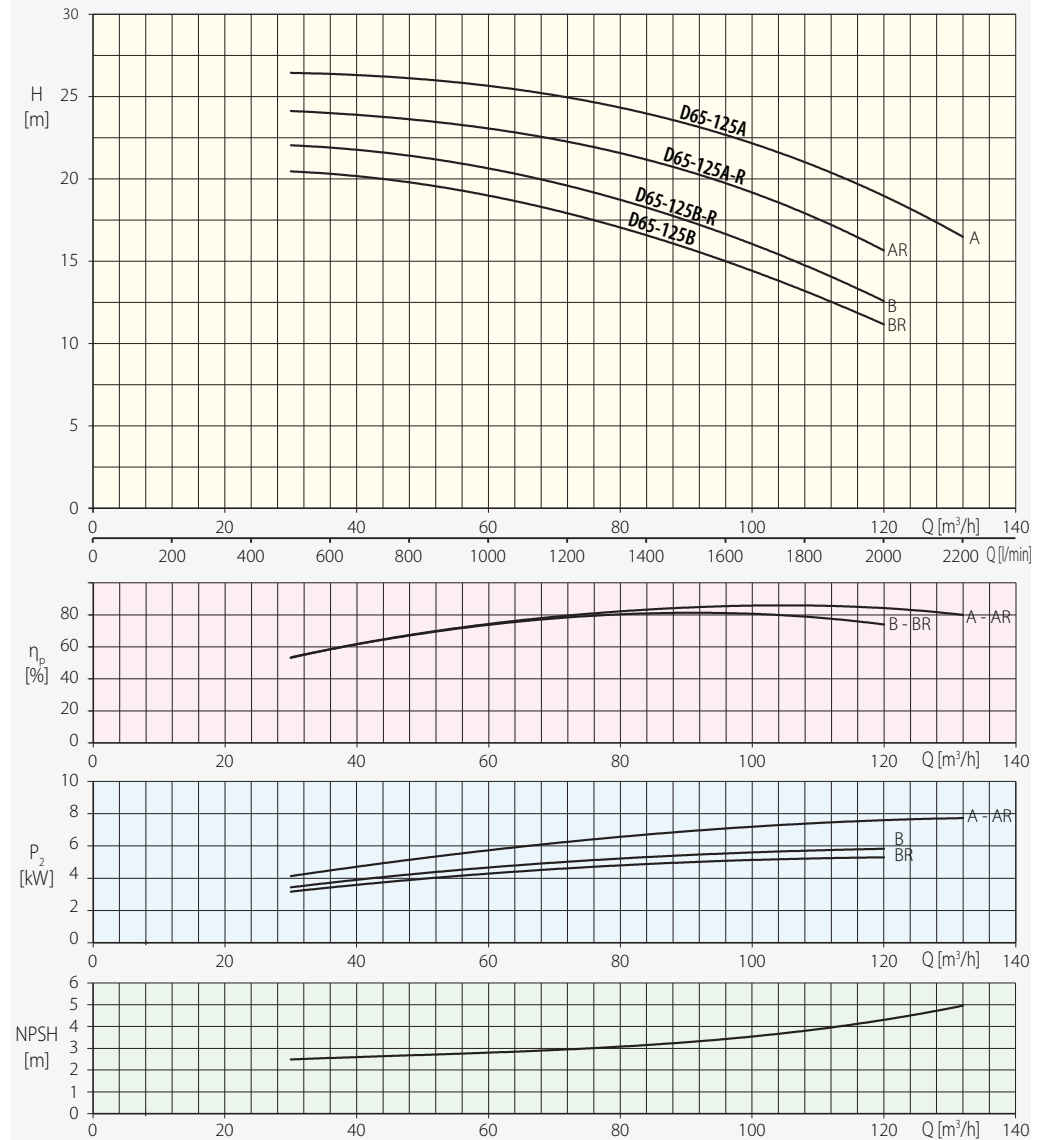
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

50-250



65-125



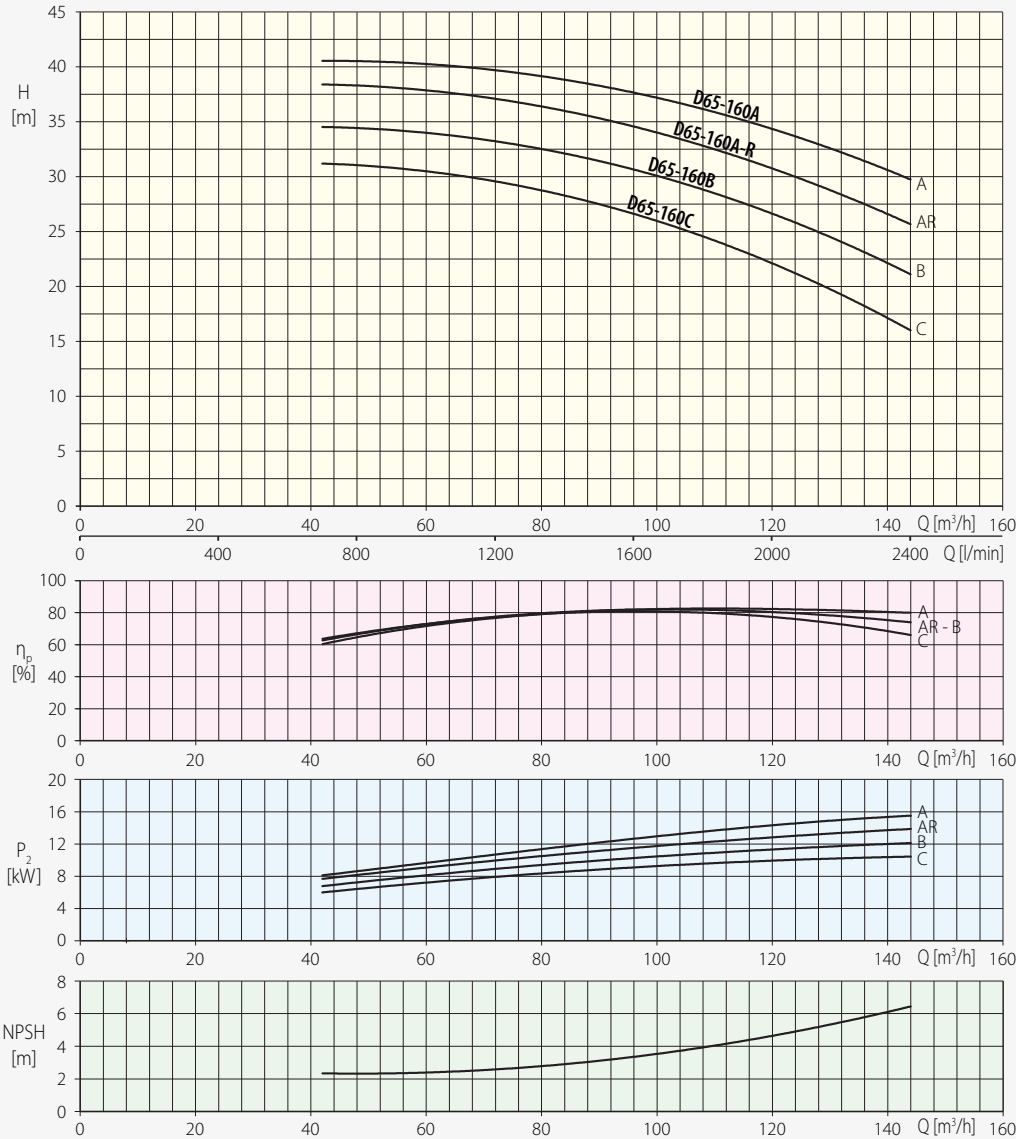
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

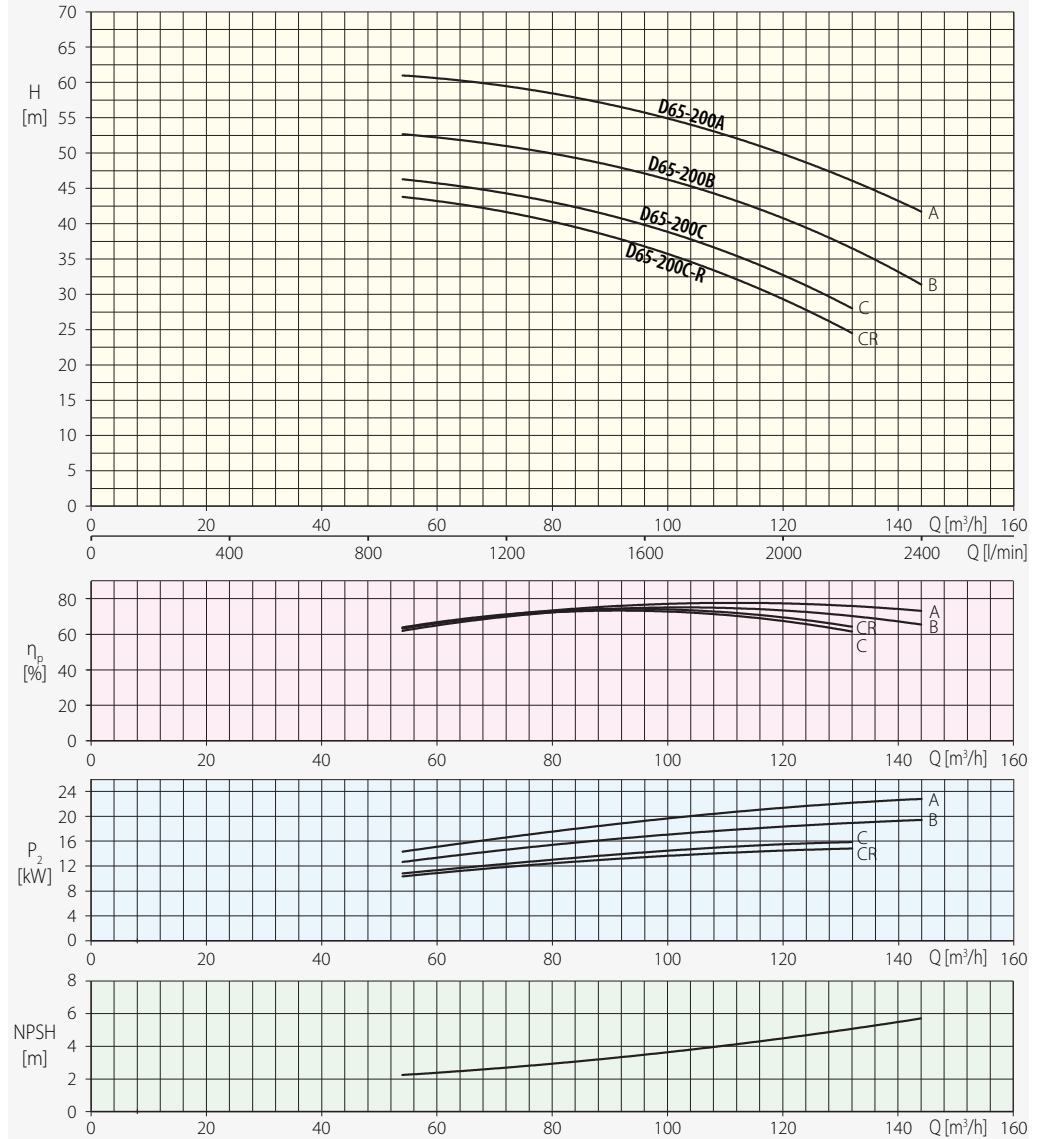
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

65-160



65-200



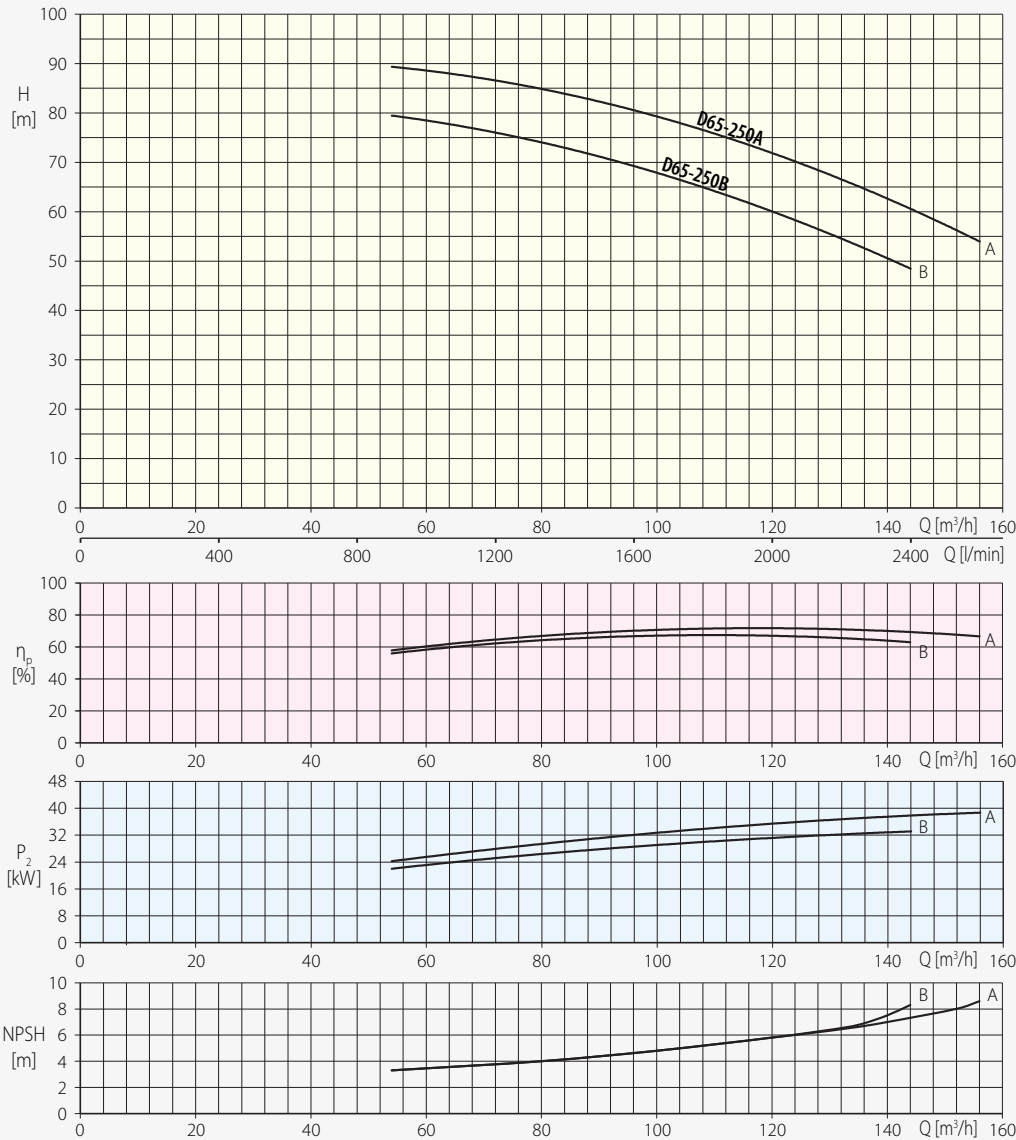
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

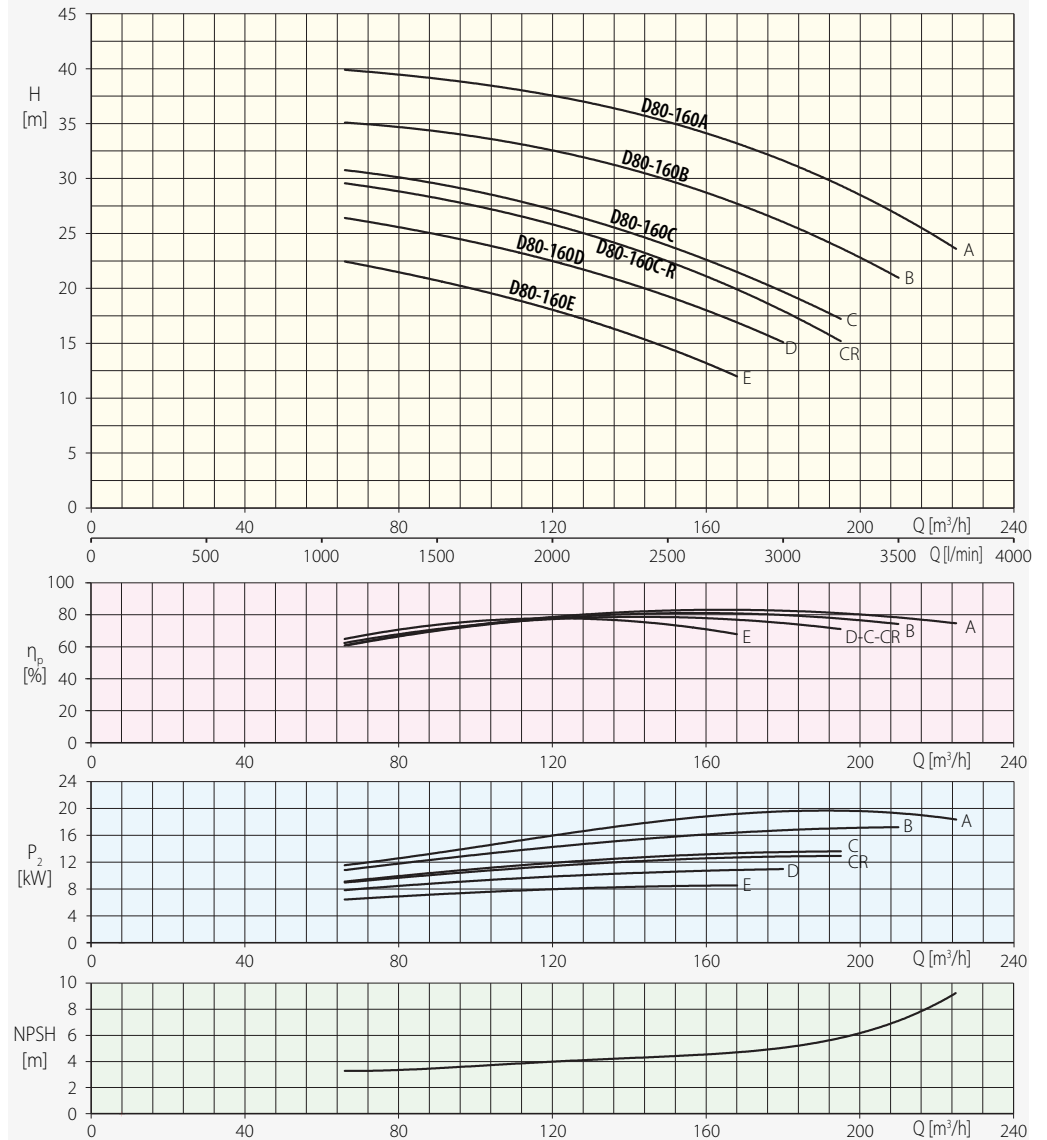
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

65-250



80-160



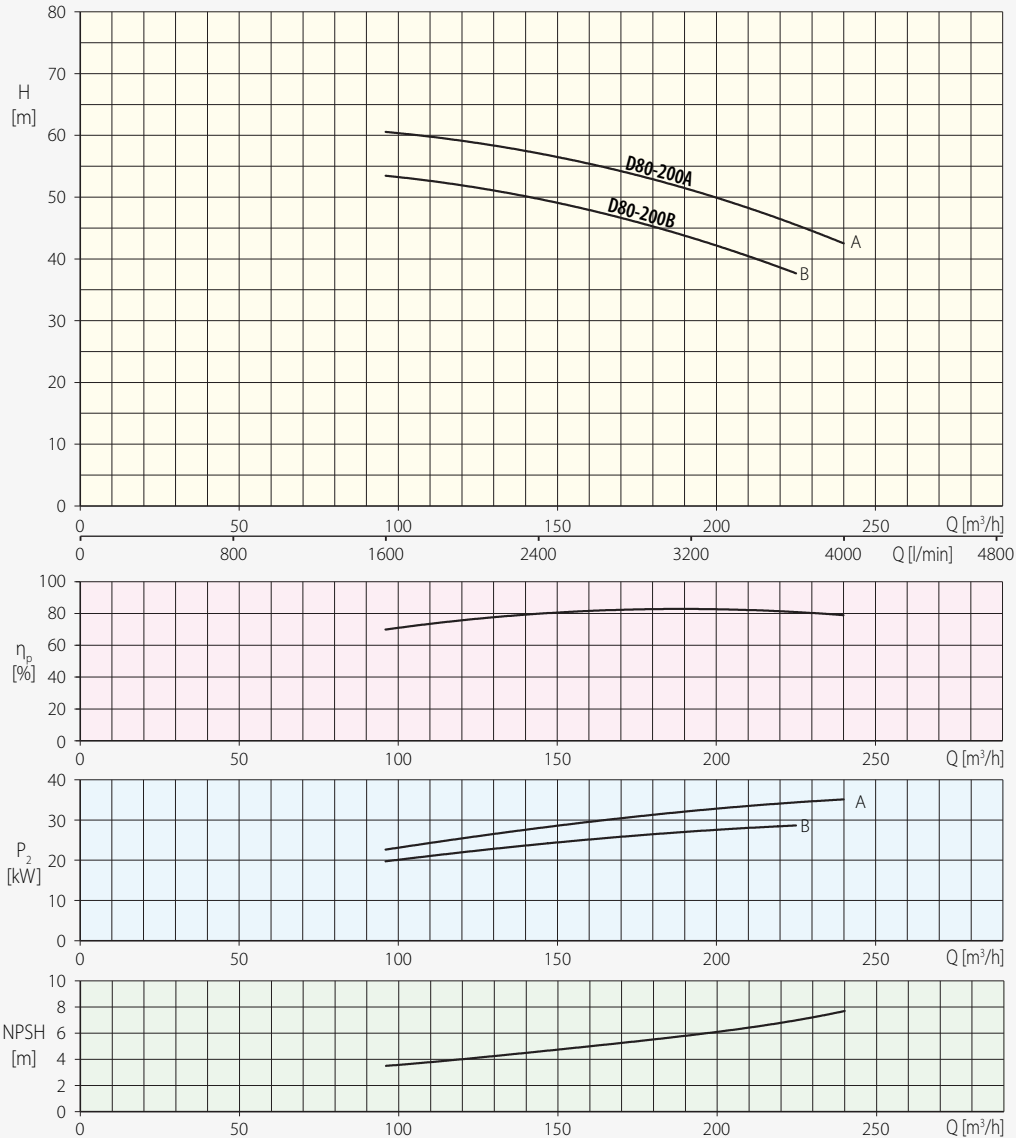
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

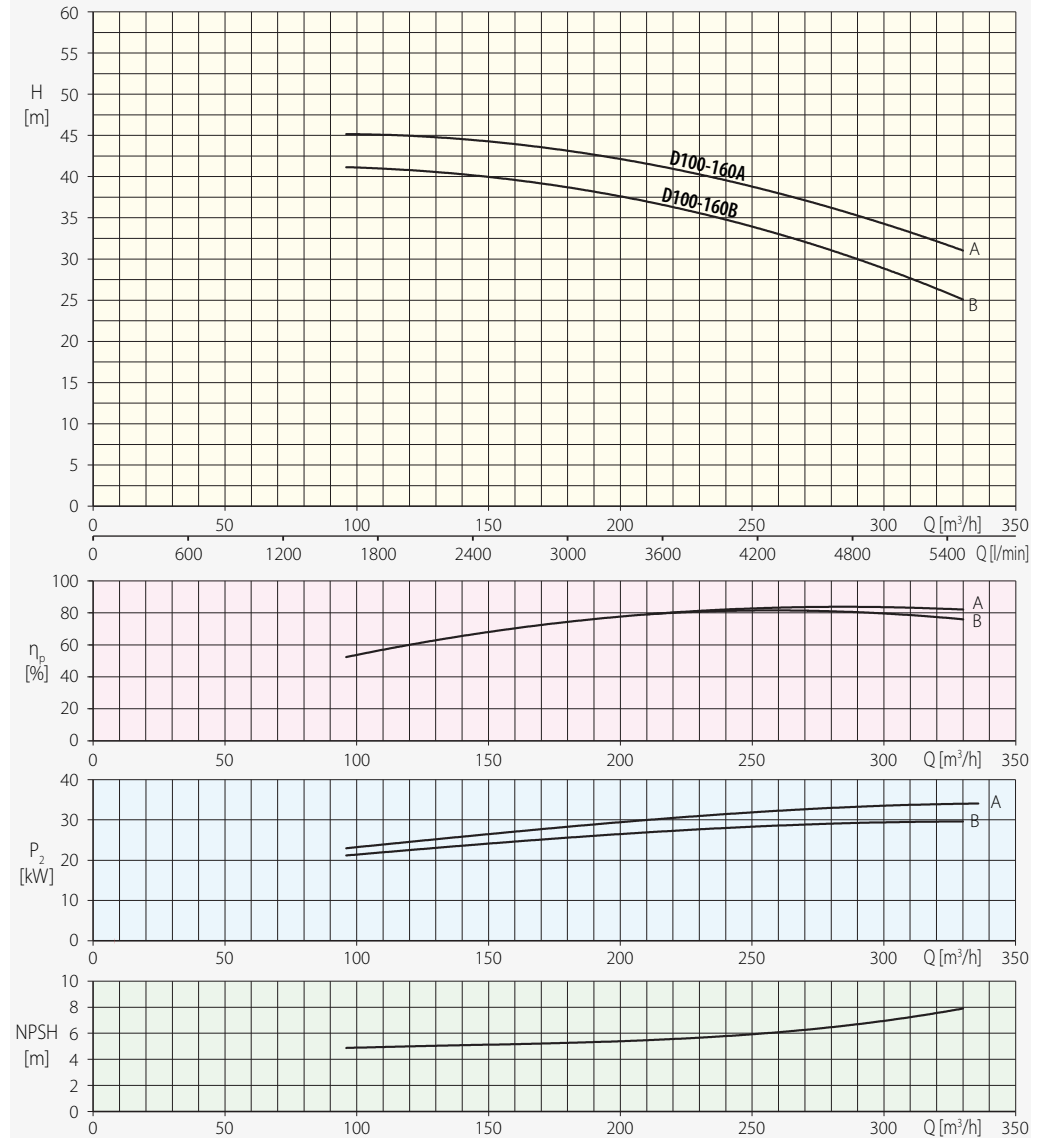
• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

80-200



100-160



• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

OPERATING CONDITIONS (LIMITS OF USE)	
Maximum temperature of pumped liquid °C	-10 +90
Maximum working pressure (maximum permissible/allowed pressure in the pump casing) kPa / bar	1000 / 10*
Maximum ambient temperature °C	40
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive
Density of pumped liquid with γ =water specific gravity kg/dm ³	1
Presence of solids in suspension	NO

* 14 bar for 40-250B-F and 40-250A-F

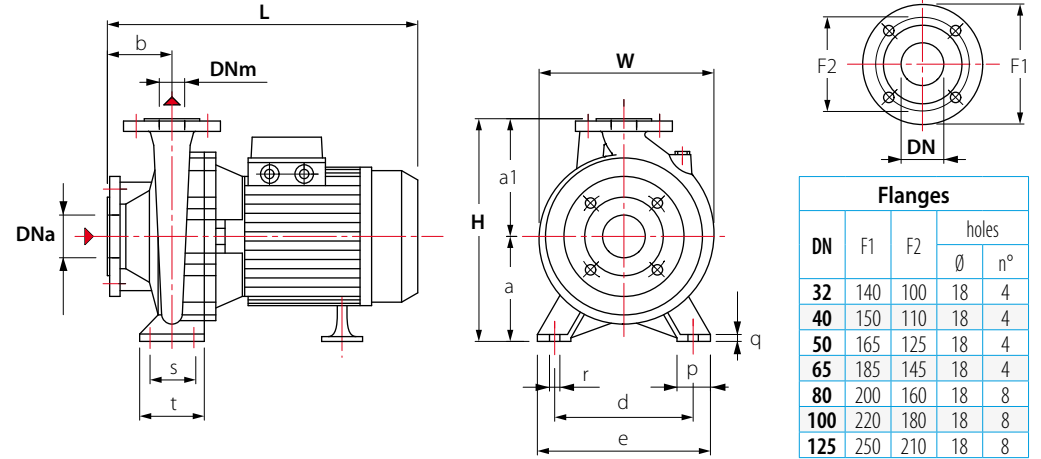
CONSTRUCTION MATERIALS	
Pump body:	Cast Iron
Pump bracket:	Cast iron
Impeller/s	Cast iron
Shaft (pump side)	Stainless steel DIN/EN 1.4301 (AISI 304)
Mechanical seal	Ceramic, carbon-graphite
Motor casing	Aluminium

MOTOR	
Asynchronous Electric motor. Efficiency IE3	2
Insulation class	F
Degree of protection IP	55
Service	Continuous duty
Maximum tolerance (fluctuation) from the nominal voltage	±6%
Starts per hour max	30 up to 2 kW. 20 up to 4 kW, 10 above 4 kW.

3phase version the overload motor protection must be provided by the user (we recommend the use of a control box)

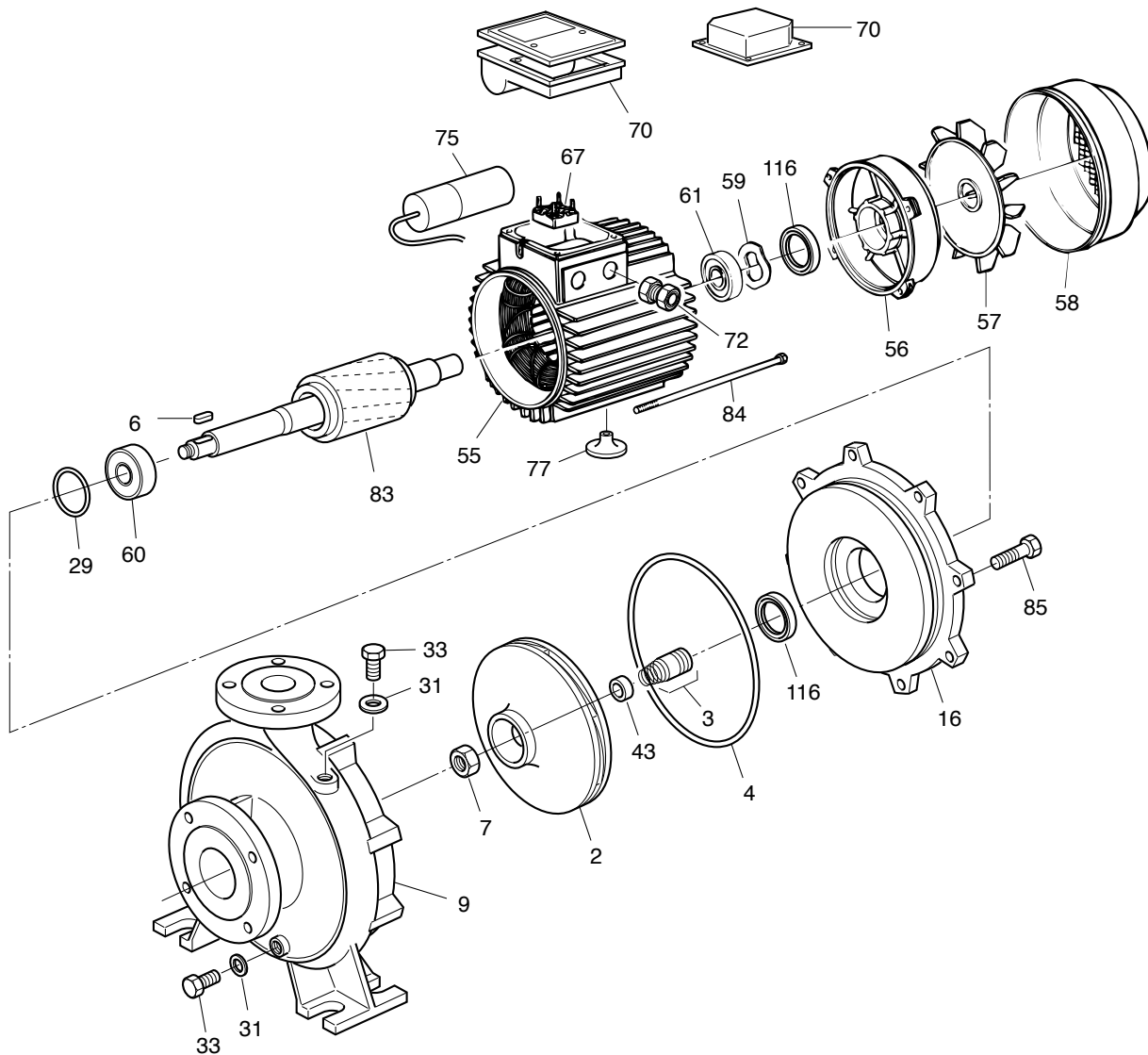
Irrigua™-1D - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON CLOSE-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD.

TYPES	DIMENSIONS in mm													Kg	Diam. Imp.	DNa	DNm
	L	W	H	a	a1	b	d	e	p	q	r	s	t				
D32-160C	490	240	292	132	160	80	190	240	50	12	14	70	100	38	142	50	32
D32-160B	490	240	292	132	160	80	190	240	50	12	14	70	100	39	154		
D32-160A	490	240	292	132	160	80	190	240	50	12	14	70	100	42	170		
D32-200C	505	268	340	160	180	80	190	240	50	12	14	70	100	51,5	175		
D32-200B	565	268	340	160	180	80	190	240	50	12	14	70	100	63	193		
D32-200B-R	520	268	340	160	180	80	190	240	50	12	14	70	100	61	186		
D32-200A	565	268	340	160	180	80	190	240	50	12	14	70	100	69	206		
D32-200A-R	520	268	340	160	180	80	190	240	50	12	14	70	100	67	201		
D32-250C	625	305	405	180	225	100	250	320	65	12	14	95	125	83	234		
D32-250B	625	305	405	180	225	100	250	320	65	14	14	95	125	90	250		
D32-250A	695	305	405	180	225	100	250	320	65	14	14	95	125	120	259		
D32-250A-R	625	305	405	180	225	100	250	320	65	14	14	95	125	95	259		
D40-125C	495	220	252	112	140	80	160	210	50	12	14	70	100	36	127	65	40
D40-125B	495	220	252	112	140	80	160	210	50	12	14	70	100	37	136		
D40-125A	495	220	252	112	140	80	160	210	50	12	14	70	100	40	144,5		
D40-160B	500	245	292	132	160	80	190	240	50	12	14	70	100	47	156		
D40-160A	500	245	292	132	160	80	190	240	50	15	14	70	100	50	166		
D40-200B	590	273	340	160	180	100	212	265	50	15	14	70	100	65	188		
D40-200B-R	545	273	340	160	180	100	190	240	50	15	14	70	100	63	183		
D40-200A	590	273	340	160	180	100	212	265	50	15	14	70	100	71	210		
D40-200A-R	545	273	340	160	180	100	190	240	50	15	14	70	100	69	196		
D40-250C	630	322	405	180	225	100	250	320	65	15	14	95	125	84	218		
D40-250B	630	322	405	180	225	100	250	320	65	15	14	95	125	91	230		
D40-250A	700	322	405	180	225	100	250	320	65	15	14	95	125	121	247		
D40-250A-R	630	322	405	180	225	100	250	320	65	15	14	95	125	96	240		
D40-250B-F	750	332	405	180	225	100	250	320	65	14	14	95	125	140	253		
D40-250A-F	750	332	405	180	225	100	250	320	65	14	14	95	125	149	260		
D50-125B	525	250	292	132	160	100	190	240	50	12	14	70	100	47	129	65	50
D50-125A	525	250	292	132	160	100	190	240	50	12	14	70	100	50	139		
D50-160B	590	270	340	160	180	100	212	265	50	12	14	70	100	65	161		
D50-160B-R	545	270	340	160	180	100	212	265	50	12	14	70	100	63	159		
D50-160A	590	270	340	160	180	100	212	265	50	12	14	70	100	71	172		
D50-160A-R	545	270	340	160	180	100	212	265	50	12	14	70	100	69	169		
D50-200C	635	290	360	160	200	100	212	265	50	12	14	70	100	82	193		
D50-200B	635	290	360	160	200	100	212	265	50	12	14	70	100	89	202		
D50-200A	705	290	360	160	200	100	212	265	50	12	14	70	100	122	212		
D50-200A-R	635	290	360	160	200	100	212	265	50	12	14	70	100	94	212		
D50-250C	705	332	405	180	225	100	250	320	65	14	14	95	125	125	234		
D50-250B	750	332	405	180	225	100	250	320	65	14	14	95	125	140	242		
D50-250A	750	332	405	180	225	100	250	320	65	14	14	95	125	149	255		



TYPES	DIMENSIONS in mm													Kg	Diam. Imp.	DNa	DNm
	L	W	H	a	a1	b	d	e	p	q	r	s	t				
D65-125B	605	280	340	160	180	100	212	280	65	14	14	95	125	64	133	80	65
D65-125B-R	560	280	340	160	180	100	212	280	65	14	14	95	125	62	130		
D65-125A	605	280	340	160	180	100	212	280	65	14	14	95	125	70	143		
D65-125A-R	560	280	340	160	180	100	212	280	65	14	14	95	125	68	139		
D65-160C	635	290	360	160	200	100	212	280	65	14	14	95	125	84	155		
D65-160B	635	290	360	160	200	100	212	280	65	14	14	95	125	90	162		
D65-160A	705	290	360	160	200	100	212	280	65	14	14	95	125	120	172		
D65-160A-R	635	290	360	160	200	100	212	280	65	14	14	95	125	95	168		
D65-200C	705	330	405	180	225	100	250	320	65	14	14	95	125	122	190		
D65-200C-R	675	330	405	180	225	100	250	320	65	14	14	95	125	92	188		
D65-200B	750	330	405	180	225	100	250	320	65	14	14	95	125	138	200		
D65-200A	750	330	405	180	225	100	250	320	65	14	14	95	125	148	213		
D65-250B	850	370	450	200	250	100	280	360	80	16	19	120	160	194	253		
D65-250A	850	370	450	200	250	100	280	360	80	16	19	120	160	214	263		
D80-160E	665	330	405	180	225	125	250	320	65	14	14	95	125	92	140	100	80
D80-160D	665	330	405	180	225	125	250	320	65	14	14	95	125	99	149		
D80-160C	735	330	405	180	225	125	250	320	65	14	14	95	125	129	156		
D80-160C-R	665	330	405	180	225	125	250	320	65	14	14	95	125	104	156		
D80-160B	780	330	405	180	225	125	250	320	65	14	14	95	125	143	165		
D80-160A	780	330	405	180	225	125	250	320	65	14	14	95	125	152	172		
D80-200B	840	355	405	180	250	125	280	345	65	16	14	95	125	189	196		
D80-200A	840	355	405	180	250	125	280	345	65	16	14	95	125	209	207		
D100-160B	842	390	480	200	280	125	280	360	80	18	18	120	160	198	188	125	100
D100-160S	842	390	480	200	280	125	280	360	80	18	18	120	160	230	194		

Parts list with exploded view



REF.	PART
2	IMPELLER
3	MECHANICAL SEAL
4	OR GASKET
6	KEY
7	IMPELLER STOP NUT
9	PUMP BODY
16	MOTOR BRACKET
29	SPLASH RING
31	WASHER
33	PLUG
43	IMPELLER SPACER BUSHING
55	MOTOR CASE AND STATOR
56	MOTOR COVER
57	FAN
58	FAN COVER
59	ADJUSTING RING
60	FRONT BEARING
61	BACK BEARING
67	TERMINAL BOX
70	TERMINAL BOX COVER
72	CABLE GLAND
75	CAPACITOR
77	SUPPORTING FOOT WITH SCREW
83	SHAFT AND ROTOR
84	MOTOR ROD
85	SCREW
116	SEAL RING

NOTE

To order SPARE PARTS always state:
 - pump type
 - part description
 - part reference number

Irrigua™-1DG - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON OR STAINLESS STEEL RIGID-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS TO EN 733 (EX DIN 24255) STANDARD.

Irrigua™-1DG - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON OR STAINLESS STEEL RIGID-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS WITH STANDARD DIMENSIONS TO EN 733 (ex DIN 24255) STANDARD, FLANGED SUCTION AND DELIVERY PORTS of back pull-out design for quick and simple dismantling and reassembling for ease of maintenance complete with threaded steel counterflanges. Single, compact, balanced unit.

APPLICATIONS:

Drinking potable water supply, domestic, civil, community and district water boosters, irrigation, firefighting, food processing, chemical, water treatment, sea water pumping, water supply, hot water circulation for central heating, cold water circulation for air conditioning and refrigerating, liquid transfers in agriculture, horticulture and industry, boiler feed, boosting, brine circulation, circulating systems, condensate, draining, filtering, sprinkling, washing, water softening, antifrost protection, water supply for both civil and industrial uses.

CONFIGURATIONS:

Irrigua™-1DG

STUB SHAFT RIGID-COUPLED with extended shaft, cast iron.
Stub-shaft and bracket for coupling to a standard electric motor.

Irrigua™-1DG-SS6

STUB SHAFT RIGID-COUPLED with extended shaft, stainless steel AISI 316.
Stub-shaft and bracket for coupling to a standard electric motor.



Types	HP	KW	Q = Performance at 2900 rpm																	Motor size	Max Eff. %			
			m³/h	0	96	108	120	132	144	168	180	195	210	225	240	255	270	300	330			360		
			l/m.	0	1600	1800	2000	2200	2400	2800	3000	3250	3500	3750	4000	4250	4500	5000	5500			6000		
DG80-250B(-SS6)	60	45	H (m) / Pump input power (kW)	77,2	80,0	79,0	77,5	75,3	73,1	69,0	67,0	64,5	61,8	58,8								225M	79	
				14,00	30,93	32,60	34,34	36,16	37,86	40,78	42,10	43,60	44,94	46,16										
DG80-250A(-SS6)	75	55		90,0	92,8	91,1	89,3	87,4	85,4	80,7	78,5	75,7	72,4	68,8	65,2							250M	79	
				16,75	36,55	38,57	40,54	42,46	44,31	47,80	49,29	50,93	52,59	54,17	55,50									
DG100-200B(-SS6)	60	45		56,1		56,8	56,5	56,1	55,6	54,5	53,9	53,1	52,2	51,4	50,4	49,0	47,5	43,8	39,7				225M	85
				21,75		28,84	29,75	30,73	31,75	33,89	35,07	36,55	37,81	38,89	39,85	40,76	41,59	42,92	43,82					
DG100-200A(-SS6)	75	55		61,1		62,2	61,8	61,5	61,0	59,9	59,5	58,9	58,3	57,4	56,4	55,2	53,8	50,6	46,8	42,5			250M	85
				24,57		33,04	34,05	35,09	36,18	38,39	39,49	40,87	42,24	43,60	44,97	46,22	47,28	49,05	50,52	51,61				
DG100-250C(-SS6)	75	55		71,9			73,2	73,1	72,9	72,2	71,8	71,1	70,3	69,3	67,9	66,4	64,7	61,0					250M	84
				24,75			40,12	41,93	43,70	46,77	48,15	49,89	51,65	53,38	55,05	56,67	58,19	60,99						
DG100-250B(-SS6)	100	75	83,6			83,7	83,5	83,2	82,5	82,1	81,4	80,8	80,0	79,0	77,9	76,4	72,0	67,6				280S	84	
			29,69			47,10	49,07	51,01	54,76	56,55	58,55	60,25	61,86	63,51	65,15	66,93	70,90	73,78						
DG100-250A(-SS6)	120	90	93,5			93,9	93,7	93,4	92,4	91,8	90,9	89,9	88,8	87,4	85,8	84,0	80,4	75,8	73,2			280M	84	
			32,72			51,98	54,16	56,31	60,59	62,70	65,02	66,97	68,83	70,82	72,83	74,73	78,16	81,33	85,53					

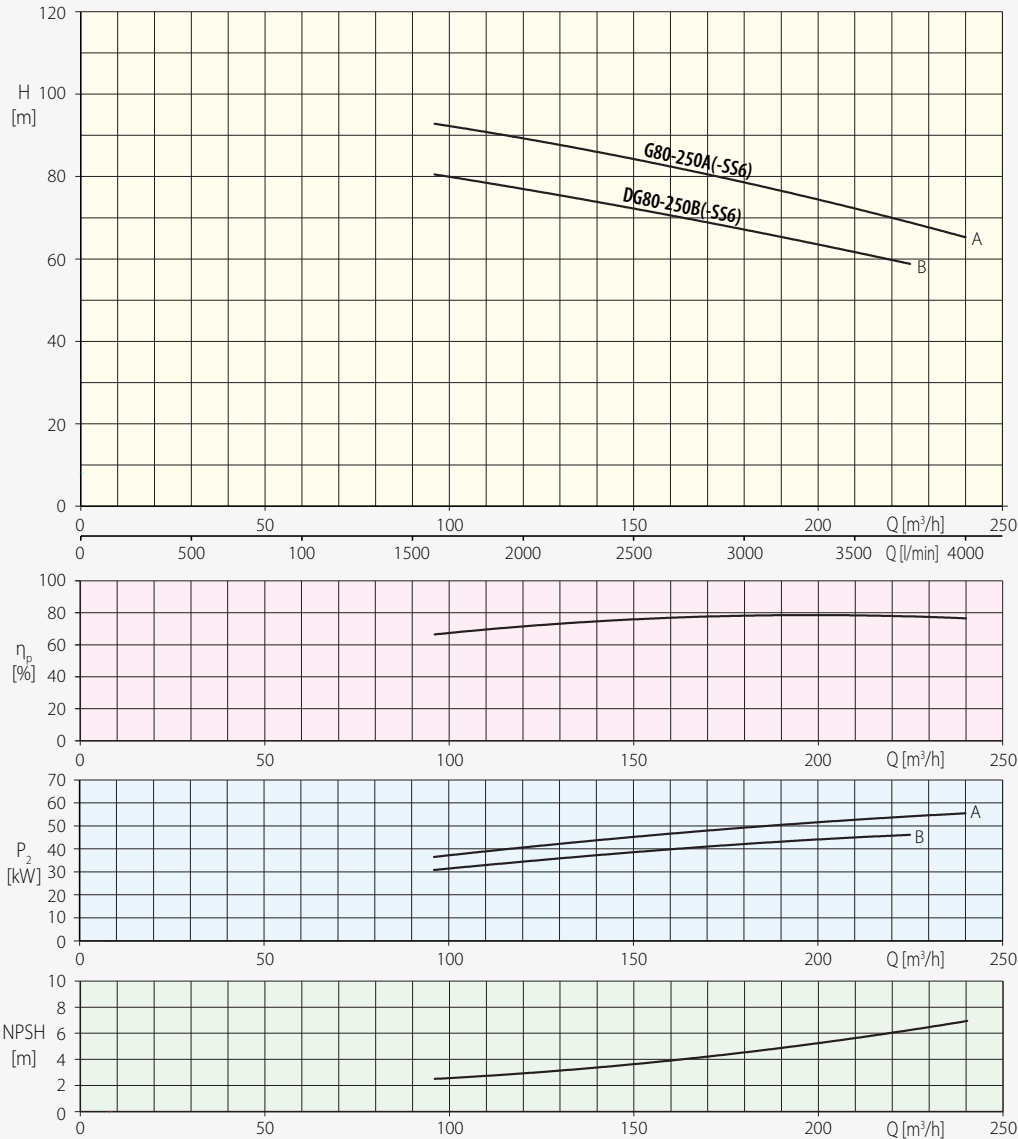
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

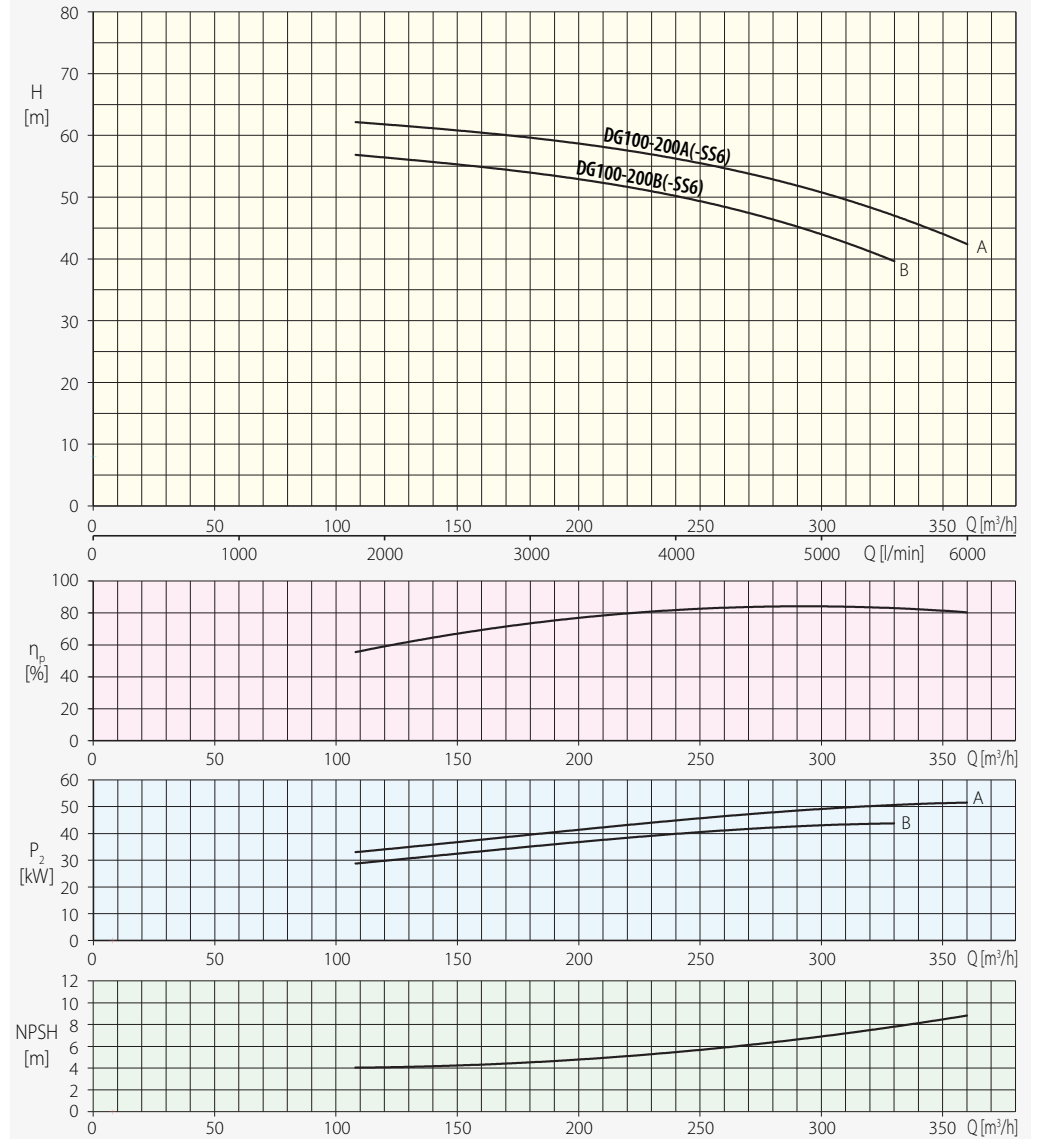
• Tolerances according to ISO 9906 Grade 3B.

Irrigua™-1DG - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON OR STAINLESS STEEL RIGID-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS TO EN 733 (EX DIN 24255) STANDARD.

80-250



100-200

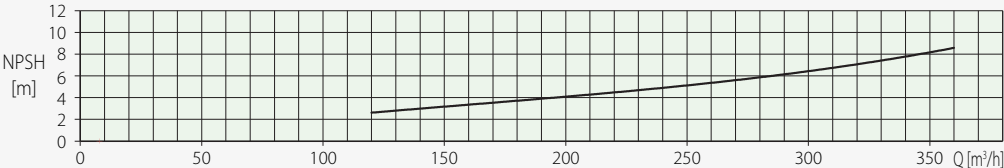
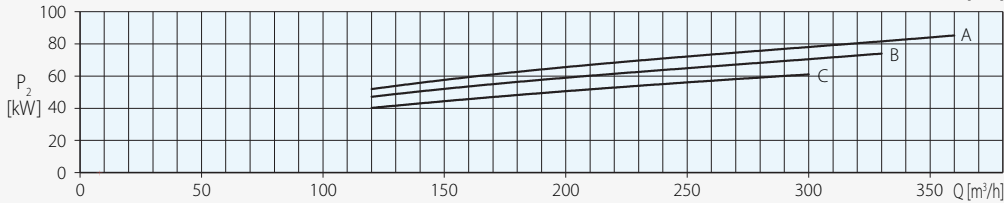
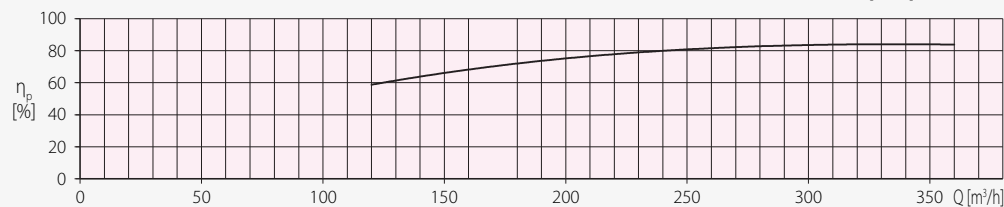
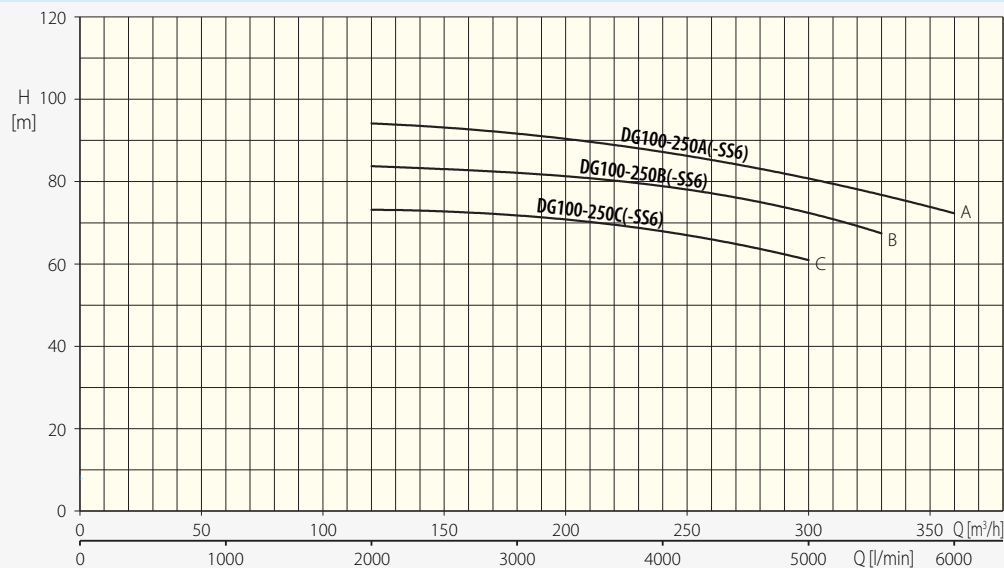


• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

100-250



• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1DG - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON OR STAINLESS STEEL RIGID-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS TO EN 733 (EX DIN 24255) STANDARD.

OPERATING CONDITIONS (LIMITS OF USE)	Cast iron version	Stainless steel (-SS6) version
Maximum temperature of pumped liquid °C	-10 +90	-10 +90
Maximum working pressure (maximum permissible/allowed pressure in the pump casing) kPa / bar	1000 / 10	1000 / 10
Maximum ambient temperature °C	40	40
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive
Density of pumped liquid with γ =water specific gravity kg/dm ³	1	1
Presence of solids in suspension	NO	NO

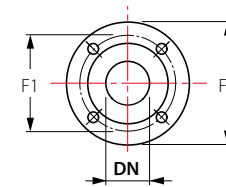
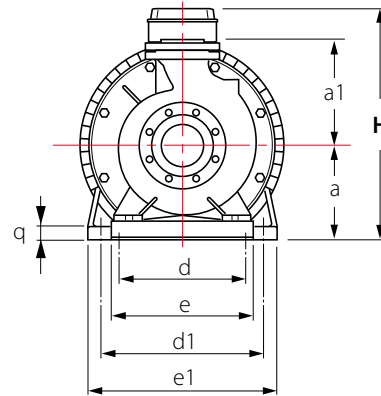
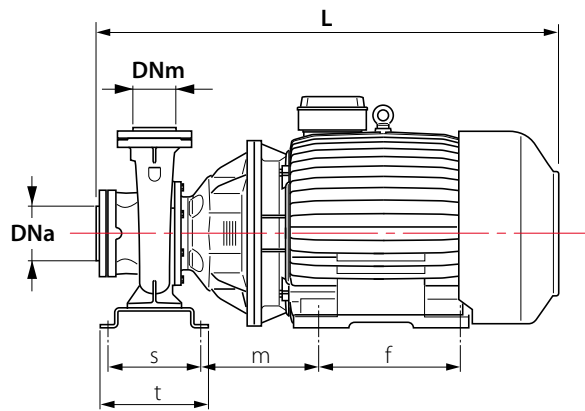
CONSTRUCTION MATERIALS	Cast iron version	Stainless steel (-SS6) version
Pump body	Cast iron	Stainless steel DIN/EN 1.4401 (AISI 316)
Pump bracket	Cast iron	Cast iron
Seal holding disc	Cast iron	Stainless steel DIN/EN 1.4401 (AISI 316)
Impeller/s	Cast iron	Stainless steel DIN/EN 1.4401 (AISI 316)
Shaft (pump side)	Stainless steel DIN/EN 1.4401 (AISI 316)	Stainless steel DIN/EN 1.4401 (AISI 316)
Mechanical seal	Ceramic, carbon-graphite	Ceramic, carbon-graphite
Motor casing	Aluminium	Aluminium

MOTOR	Cast iron and stainless steel (-SS6) version
Asynchronous Electric motor. Efficiency IE3	
Number of poles	2
Insulation class	F
Degree of protection IP	55
Service	Continuous duty
Maximum tolerance (fluctuation) from the nominal voltage	±6%
Starts per hour max	10 (5 for star-delta starting or reactance)

3phase version the overload motor protection must be provided by the user (we recommend the use of a control box)

Irrigua™-1DG - VALCO CENTRIFUGAL SINGLE STAGE END SUCTION SURFACE HORIZONTAL CAST IRON OR STAINLESS STEEL RIGID-COUPLED ELECTRIC PUMPS WITH 2POLE MOTORS TO EN 733 (EX DIN 24255) STANDARD.

TYPES	DIMENSIONS in mm														Kg	DNa	DNm
	L	H	a	a1	d	d1	e	e1	f	m	q	s	t				
DG80-250B(-SS6)	1102	555	225	317	315	356	406	435	311	356	28	120	200	418	100	80	
DG80-250A(-SS6)	1158	655	280	317	360	406	420	485	349	325	58	280	320	505			
DG100-200B(-SS6)	1130	555	225	321	280	356	360	435	311	356	28	120	200	417			
DG100-200A(-SS6)	1235	655	280	321	360	406	420	485	349	325	60	280	320	505	125	100	
DG100-250C(-SS6)	1250	655	280	321	360	406	420	485	349	325	60	280	320	516			
DG100-250B(-SS6)	1325	685	280	321	360	457	420	545	368	347	35	280	320	645			
DG100-250A(-SS6)	1370	685	280	321	360	457	420	545	419	347	35	280	320	680			



Flanges				
DN	F2	F1	D holes	No holes
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8

Not in scale

***Irrigua™-1DK* - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).**

Standardized horizontal surface single stage end suction cast iron or stainless steel pumps with standard dimensions to EN 733 (ex DIN 24255) standards with flanged suction and delivery ports complete with threaded steel counterflanges. Can be provided with a flexible coupling to a two-pole and four-pole standard IEC electric motor on a baseplate mounted on long-coupled units with coupling protection.

APPLICATIONS:

Drinking potable water supply, domestic, civil, community and district water boosters, irrigation, firefighting, food processing, chemical, water treatment, sea water pumping, water supply, hot water circulation for central heating, cold water circulation for air conditioning and refrigerating, liquid transfers in agriculture, horticulture and industry, boiler feed, boosting, brine circulation, circulating systems, condensate, draining, filtering, sprinkling, washing, water softening, antifrost protection, water supply for both civil and industrial uses.

LEGEND:

DK... BARESHAFT VERSION

DK...-FC WITH 2 POLE STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING

D4K...-FC WITH 4 POLE STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING

...-SS6 STAINLESS STEEL AISI 316 VERSION

CONFIGURATIONS:

Irrigua™-1DK; -1DK-SS6

BARE SHAFT with bearing bracket, **CAST IRON** or **STAINLESS STEEL CASTING AISI 316, supplied without motor**, suitable to be coupled with a flexible coupling on a baseplate to a standard 2-pole or 4-pole electric motor (long-coupled through a flexible coupling to a standard electric motor on a baseplate).

It allows the removal ,separately, of motor, coupling, bearings bracket and impeller without disturbing the pump housing or pipework.



CONFIGURATIONS:

Irrigua™-1DK-FC; -1DK-SS6-FC; -1D4K-FC; -1D4K-SS6-FC

FRAME MOUNTED with bearing bracket, **CAST IRON** or **STAINLESS STEEL CASTING AISI 316**, long-coupled through a flexible coupling to a 2-pole or 4-pole standard electric motor on a baseplate: **version with motor, coupling and base.**

Long-coupled through a flexible coupling to a standard electric motor on a baseplate:

it allows the removal ,separately, of motor, coupling, bearings bracket and impeller without disturbing the pump housing or pipework.



Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE																								
Types	HP	kW	Q = Performance at 2900 rpm																	Motor size	Max Eff. %			
			m³/h	0	4,5	6	7,5	9	12	15	18	21	24	27	30	33								
			l/m	0	75	100	125	150	200	250	300	350	400	450	500	550								
DK32-160C-FC(-SS6)	2	1,5	H (m) / Pump input power (kW)	24,4	24,3	24,0	23,5	23,0	21,8	20,0	17,5	14,8									90S	54		
	3	2,2		0,73	0,98	1,07	1,16	1,24	1,39	1,52	1,62	1,71									90L			
DK32-160B-FC(-SS6)	3	2,2		28,1	28,2	27,9	27,5	27,0	25,9	24,4	22,2	19,5	16,6									90L	55	
				0,97	1,25	1,36	1,46	1,56	1,75	1,92	2,06	2,17	2,28											
DK32-160A-FC(-SS6)	4	3		36,8	36,6	36,4	36,0	35,6	34,5	33,2	31,5	29,1	26,0	22,8									100L	58
				1,24	1,61	1,74	1,88	2,01	2,27	2,50	2,70	2,88	3,03	3,16										
DK32-200C-FC(-SS6)	5,5	4		40,1		39,7	39,6	39,3	38,3	36,9	35,2	33,0	30,4	27,6									112M	54
				1,57		2,20	2,37	2,53	2,84	3,13	3,38	3,61	3,82	4,02										
DK32-200B-FC(-SS6)	7,5	5,5		50,1		50,2	50,1	49,9	49,3	48,0	46,4	44,5	42,4	39,8	37,2								132S	54
				2,34		3,31	3,53	3,75	4,14	4,50	4,84	5,15	5,43	5,69	5,92									
DK32-200A-FC(-SS6)	10	7,5		58,6		59,0	58,9	58,8	58,2	57,1	55,5	53,4	51,1	48,4	45,6	42,5							132S	54
				3,03		3,96	4,19	4,43	4,90	5,36	5,76	6,11	6,52	6,92	7,22	7,45								
DK32-250C-FC(-SS6)	15	11	70,0			68,5	68,0	67,0	65,5	63,5	61,0	58,0	50,0	36,5								160M	45	
			4,89			6,15	6,48	7,11	7,74	8,19	8,54	8,89	9,24	9,63										
DK32-250B-FC(-SS6)	15	11	82,0			81,0	80,5	79,5	78,5	77,0	74,5	71,9	65,0	52,5								160M	45	
			6,45			8,02	8,35	9,00	9,56	10,10	10,50	11,20	11,80	12,10										160M
DK32-250A-FC(-SS6)	20	15	93,0			92,5	92,0	91,5	90,5	89,5	87,5	85,0	78,5	66,0								160M	40	
			7,85			9,30	9,88	10,70	11,40	12,20	12,90	13,60	14,30	14,90										

2 POLE																								
Types	HP	kW	Q = Performance at 2900 rpm																	Motor size	Max Eff. %			
			m³/h	0	9	12	15	18	21	24	27	30	33	36	39	42	48	54	60					
			l/m	0	150	200	250	300	350	400	450	500	550	600	650	700	800	900	1000					
DK40-125C-FC(-SS6)	2	1,5	H (m) / Pump input power (kW)	18,9	19,0	18,8	18,3	17,7	16,9	15,9	14,7	13,2	11,6	9,9								90S	65	
				0,69	1,05	1,18	1,30	1,40	1,48	1,55	1,60	1,63	1,65	1,66										
DK40-125B-FC(-SS6)	3	2,2		22,5	22,9	22,8	22,5	21,9	21,2	20,3	19,2	18,0	16,7	15,2	13,4							90L	68	
				0,86	1,28	1,45	1,60	1,74	1,86	1,96	2,04	2,10	2,15	2,19	2,22									
DK40-125A-FC(-SS6)	4	3		26,2	26,6	26,5	26,3	25,9	25,2	24,4	23,4	22,2	20,9	19,4	17,8	16,0							100L	68
				1,11	1,60	1,79	1,98	2,15	2,30	2,43	2,55	2,66	2,75	2,82	2,87	2,92								
DK40-160B-FC(-SS6)	4	3		30,0	30,1	30,0	29,6	29,0	28,2	27,1	25,9	24,4	22,8	21,0	19,1								100L	66
				1,39	2,00	2,20	2,38	2,57	2,75	2,91	3,04	3,16	3,26	3,35	3,41								112M	
DK40-160A-FC(-SS6)	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	23,5							112M	68
				1,64	2,36	2,55	2,78	3,00	3,21	3,40	3,56	3,72	3,86	3,99	4,08	4,17							132S	
DK40-200B-FC(-SS6)	7,5	5,5		44,7	44,9	44,8	44,6	44,0	42,9	41,6	40,0	38,1	36,1	33,6	30,8	27,9							132S	60
				2,30	3,30	3,60	3,80	4,20	4,60	4,60	5,00	5,30	5,40	5,60	5,70	6,00								
DK40-200A-FC(-SS6)	10	7,5	57,7	57,7	57,5	57,1	56,3	55,4	54,1	52,5	50,5	48,5	45,9	43,3	40,3							132S	60	
			3,20	4,30	4,60	5,20	5,60	6,10	6,40	6,70	7,10	7,40	7,60	7,90	8,00									
DK40-250C-FC(-SS6)	15	11	63,0	62,6	62,4	61,9	61,3	60,5	59,7	58,6	57,1	55,0	52,4	49,6								160M	52	
			4,40	5,60	6,08	6,61	7,13	7,63	8,10	8,57	9,04	9,45	9,83	10,22										
DK40-250B-FC(-SS6)	15	11	70,8	71,3	71,2	71,0	70,5	69,8	68,4	66,6	65,4	63,8	61,2	58,5	55,6							160M	55	
			5,16	6,65	7,22	7,76	8,28	8,80	9,33	9,86	10,35	10,82	11,25	11,69	12,11									
DK40-250A-FC(-SS6)	20	15	86,1	86,3	86,5	86,4	86,0	85,6	85,0	84,1	82,9	81,3	79,4	77,0	74,3	67,9						160M	56	
			6,70	8,24	8,89	9,58	10,29	10,97	11,65	12,31	12,95	13,55	14,13	14,74	15,32	16,27								
DK40-250BL-FC(-SS6)	25	18,5	93,1	93,8	94,2	94,2	93,8	93,4	92,9	92,2	91,3	90,2	88,8	87,3	85,6	81,4						160L	60	
			10,81	8,68	9,59	10,35	11,05	11,73	12,40	13,06	13,74	14,40	15,03	15,63	16,20	17,29	18,37							
DK40-250AL-FC(-SS6)	30	22	101,6	101,9	101,6	101,4	101,2	101,0	100,7	100,3	99,7	98,9	97,8	96,3	94,6	91,2	87,0	80,6				180M	61	
			8,99	10,26	10,99	11,69	12,40	13,13	13,84	14,57	15,33	16,11	16,85	17,56	18,26	19,57	20,75	21,89						

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE																									
Types 3 PH 230/400V up to 4 kW, 400/690V from 5,5 kW and above. 50Hz	HP	kW	Q = Performance at 2900 rpm																			Motor size	Max Eff. %		
			m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	96	108	120	132			144	
			l/m	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200			2400	
DK50-125B-FC(-SS6)	4	3	H (m) / Pump input power (kW)	19,9	20,2	20,1	19,8	19,1	18,3	17,4	16,4	15,3	14,0	12,7	11,2								100L	71	
	5,5	4		1,22	1,77	2,11	2,33	2,55	2,76	2,98	3,10	3,20	3,30	3,39	3,43										112M
DK50-125A-FC(-SS6)	5,5	4		24,5		24,9	24,6	24,2	23,5	22,7	21,8	20,8	19,6	18,1	16,5									112M	78
	7,5	5,5		1,78		2,70	3,01	3,33	3,50	3,87	4,14	4,42	4,58	4,74	4,90									132S	
DK50-160B-FC(-SS6)	7,5	5,5		31,1			32,0	31,4	30,4	28,9	27,3	25,3	23,1	20,7	18,0	15,2								132S	73
DK50-160A-FC(-SS6)	10	7,5		36,7			37,8	37,4	36,6	35,4	33,9	32,1	30,0	27,8	25,3	22,6								132S	73
				2,60			4,50	5,10	5,60	6,20	6,50	6,90	7,10	7,30	7,50	7,60									
DK50-200C-FC(-SS6)	15	11		46,0			45,6	44,5	42,9	40,8	38,5	35,9	33,0	29,0	24,5									160M	62
DK50-200B-FC(-SS6)	15	11		50,8			51,0	50,0	48,5	46,8	44,7	42,2	39,5	35,9	32,0									160M	62
				3,38			6,68	7,80	8,46	9,15	9,50	9,85	10,10	10,40	10,64										
DK50-200A-FC(-SS6)	20	15		58,0			58,3	57,5	56,4	55,0	53,2	51,3	49,0	46,3	42,8	38,8								160M	63
DK50-250C-FC(-SS6)	20	15		71,5			70,3	69,0	67,6	66,0	64,0	61,5	58,6	55,0	50,5									160M	61
				6,74			11,90	12,90	13,77	14,60	15,50	16,32	17,00	17,68	18,40										
DK50-250B-FC(-SS6)	25	18,5		78,0			77,4	76,1	74,5	72,8	70,6	68,2	65,5	62,2	58,3									160L	62
30	22	6,87				12,70	14,00	15,30	15,87	16,90	17,88	18,60	19,27	20,22									180M		
DK50-250A-FC(-SS6)	30	22		90,0			88,8	87,7	86,1	84,5	82,7	80,5	78,0	75,2	71,7									180M	60
40	30	10,10				16,30	17,60	19,20	20,10	21,12	22,00	22,96	23,90	24,80									200L		
DK50-315DG-FC*	50	37		87,8					90,4	90,2	89,9	89,2	88,2	87,1	86,0	84,8	82,4	79,9	76,9	73,4				200L	75
DK50-315CG-FC*	60	45		101,8					105,0	104,8	104,3	103,7	102,7	101,5	100,3	99,1	96,7	94,1	91,3	88,7				225M	75
				13,32				23,97	25,62	27,25	28,79	30,21	31,54	32,85	34,15	36,68	39,07	41,26	43,26						
DK50-315BG-FC*	75	55		122,3					124,3	124,5	124,7	124,4	123,6	122,5	121,3	119,9	116,6	113,3	110,1	107,1	103,5			250M	75
DK50-315AG-FC*	100	75		17,44					29,30	31,27	33,28	35,14	36,80	38,34	39,85	41,39	44,41	47,32	50,01	52,39	54,83			250M	75
				146,1				146,9	147,3	147,4	147,3	146,9	146,3	145,3	144,1	141,2	137,9	134,1	130,0	125,8	125,8	125,8	125,8	125,8	
				22,75					35,89	38,23	40,53	42,67	44,71	46,70	48,67	50,61	54,26	57,62	60,84	63,78	66,34			280S	75

* Not to EN 733, only cast iron version

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE																										
Types	HP	kW	Q = Performance at 2900 rpm																				Motor size	Max Eff. %		
			m³/h	0	36	42	48	54	60	72	78	84	96	108	120	132	144	156	168	180	195	210				
			l/m	0	600	700	800	900	1000	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500				
H (m) / Pump input power (kW)	DK65-125B-FC(-SS6)	7,5	5,5	20,9 2,30	21,9 3,80	21,7 4,00	21,4 4,30	21,0 4,60	20,6 4,70	19,6 5,10	19,0 5,20	18,3 5,40	16,6 5,40	14,7 5,80	12,6 5,90								132S	81		
	DK65-125A-FC(-SS6)	10	7,5	25,4 2,80	26,4 4,60	26,3 4,90	26,1 5,20	25,9 5,50	25,6 5,90	24,9 6,40	24,5 6,70	24,0 6,90	22,7 7,20	21,0 7,50	18,9 7,70	16,5 7,80								132S	86	
	DK65-160C-FC(-SS6)	15	11	29,8 3,09		31,2 6,00	31,1 6,42	30,8 6,82	30,5 7,21	29,6 7,93	29,0 8,25	28,3 8,55	26,6 9,09	24,6 9,56	22,1 9,95	19,3 10,23	16,0 10,43							160M	80	
	DK65-160B-FC(-SS6)	15	11	33,0 3,49		34,6 6,79	34,4 7,24	34,2 7,67	34,0 8,09	33,3 8,91	32,8 9,29	32,1 9,63	30,6 10,28	28,8 10,85	26,7 11,32	24,1 11,70	21,1 12,16							160M	81	
	DK65-160A-FC(-SS6)	20	15	39,2 4,65		40,6 8,10	40,6 8,64	40,4 9,16	40,2 9,66	39,7 10,68	39,4 11,19	38,9 11,69	37,7 12,66	36,2 13,55	34,3 14,34	32,2 14,93	29,8 15,55							160M	81	
	DK65-200C-FC(-SS6)	20	15	45,3 4,90				46,3 10,80	45,7 11,30	44,3 12,30	43,4 12,90	42,3 13,30	39,8 13,80	36,7 14,90	32,7 15,40	28,0 15,80								160M	73	
	DK65-200B-FC(-SS6)	25	18,5	51,6 5,40				52,6 11,60	52,2 12,20	51,0 13,80	50,2 14,30	49,3 15,00	47,1 16,00	44,1 16,70	40,9 17,50	36,6 18,20	31,3 18,60							160L	76	
	DK65-200A-FC(-SS6)	30	22	60,2 7,60				61,0 14,90	60,6 15,40	59,5 17,10	58,7 17,90	57,8 18,80	55,8 19,80	53,1 20,90	49,8 22,00	46,1 22,80	41,7 23,30							180M	78	
	DK65-250B-FC(-SS6)	40	30	81,0 10,71				79,5 22,03	78,5 23,12	76,0 25,16	74,5 26,08	73,0 26,94	69,3 28,60	65,0 30,01	60,0 31,18	54,5 32,16	48,5 33,14							200L	67	
	DK65-250A-FC(-SS6)	50	37	90,0 12,09				89,5 24,25	88,5 25,52	86,5 27,90	85,5 29,05	84,0 30,15	80,5 32,07	76,5 33,78	72,0 35,41	66,5 36,76	60,5 37,84	54,0 38,67							200L	70
	DK65-315CG-FC*	75	55	93,9 15,58				96,5 26,64	96,4 27,98	96,0 30,48	95,6 31,67	95,1 32,86	93,8 35,28	92,3 37,62	90,7 39,76	89,1 41,93	87,5 44,18	85,5 46,34	83,2 48,31	80,8 50,27					250M	80
	DK65-315BG-FC*	100	75	120,0 22,54				121,6 36,67	121,6 38,36	121,1 41,69	120,8 43,33	120,4 44,95	119,1 48,12	117,6 51,12	116,0 53,93	114,1 56,52	111,9 58,98	109,6 61,49	107,2 63,91	104,6 66,34	101,1 69,36				280S	77
	DK65-315AG-FC*	120	90	138,2 26,69				138,8 43,17	138,5 45,01	137,6 48,79	137,0 50,67	136,4 52,51	135,0 56,09	133,5 59,52	131,7 62,82	129,5 66,09	127,0 69,20	124,5 72,02	121,8 74,81	118,8 77,32	114,8 80,16	110,4 83,11			280M	76

* Only cast iron version

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE																								
Types	HP	kW	Q = Performance at 2900 rpm																		Motor size	Max Eff. %		
			m³/h	0	78	84	96	108	120	132	144	156	168	180	195	210	225	240	255					
			l/m	0	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	4250					
DK80-160E-FC(-SS6)	15	11	H (m) / Pump input power (kW)	21,4 3,70	21,6 6,86	21,2 7,06	20,2 7,41	19,2 7,66	18,0 7,93	16,8 8,22	15,4 8,39	13,7 8,48	12,0 8,53									160M	80	
DK80-160D-FC(-SS6)	15	11		25,4 4,28	25,7 8,44	25,3 8,71	24,4 9,11	23,6 9,45	22,5 9,79	21,3 10,14	20,0 10,50	18,5 10,71	16,9 10,83	15,1 10,97									160M	80
DK80-160C-FC(-SS6)	20	15		29,7 4,90	30,3 9,84	29,9 10,19	29,2 10,81	28,1 11,34	27,1 11,86	26,0 12,35	24,7 12,75	23,1 13,09	21,5 13,36	19,7 13,53	17,2 13,61								160M	81
DK80-160B-FC(-SS6)	25	18,5		34,0 6,32	34,8 11,66	34,6 12,07	34,0 12,83	33,3 13,54	32,5 14,25	31,6 14,91	30,5 15,49	29,2 15,99	27,8 16,42	26,0 16,76	23,6 17,04	21,0 17,23							160L	81
DK80-160A-FC(-SS6)	30	22		38,8 7,02	39,6 12,94	39,4 13,41	38,9 14,30	38,2 15,13	37,5 15,96	36,7 16,76	35,7 17,50	34,5 18,18	33,2 18,77	31,6 19,29	29,4 19,81	26,8 20,30	23,5 19,95						180M	83
DK80-200B-FC(-SS6)	40	30		50,1 9,20			53,5 19,70	52,7 20,92	51,8 21,99	50,9 23,00	49,9 23,95	48,5 24,85	46,9 25,69	45,2 26,46	42,9 27,32	40,4 28,05	37,7 28,62						200L	83
DK80-200A-FC(-SS6)	50	37		56,7 10,58			60,6 22,62	59,9 24,07	59,1 25,46	58,1 26,77	57,2 27,92	56,0 29,07	54,4 30,29	52,7 31,35	50,7 32,45	48,3 33,46	45,6 34,35	42,4 35,12					200L	83
DK80-250B-FC(-SS6)	60	45		77,2 14,01			80,0 30,93	79,0 32,60	77,5 34,34	75,3 36,16	73,1 37,86	71,0 39,38	69,0 40,78	67,0 42,10	64,5 43,60	61,8 44,94	58,8 46,15						225M	79
DK80-250A-FC(-SS6)	75	55		90,0 16,74			92,8 36,56	91,1 38,57	89,3 40,54	87,4 42,46	85,4 44,31	83,1 46,11	80,7 47,81	78,5 49,29	75,7 50,92	72,4 52,59	68,8 54,18	65,2 55,50					250M	79
DK80-315BG-FC*	120	90		108,0 21,85	112,4 42,35	112,4 44,06	112,2 47,49	111,7 50,85	111,1 54,13	110,2 57,25	109,1 60,24	107,9 63,14	106,4 65,95	104,9 68,74	102,7 72,14	100,4 75,50	98,3 78,97	95,7 82,35	90,8 85,17				280M	78
DK80-315AG-FC*	150	110		140,5 31,92	141,4 55,48	141,1 57,36	140,2 61,13	139,2 64,93	138,1 68,78	136,9 72,88	135,5 76,96	134,1 80,84	132,5 84,36	131,0 86,98	128,7 90,23	125,8 94,71	122,5 99,35	121,7 102,58	118,5 106,15				315S	78

2 POLE																								
Types	HP	kW	Q = Performance at 2900 rpm																		Motor size	Max Eff. %		
			m³/h	0	108	120	132	144	156	168	180	195	210	225	240	255	270	300	330	360				
			l/m	0	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	4250	4500	5000	5500	6000				
DK100-200B-FC(-SS6)	60	45	H (m) / Pump input power (kW)	56,1 21,75	56,8 28,84	56,5 29,75	56,1 30,73	55,6 31,75	55,1 32,80	54,5 33,89	53,9 35,07	53,1 36,55	52,2 37,82	51,4 38,89	50,4 39,85	49,0 40,77	47,5 41,60	43,8 42,92	39,7 43,82			225M	85	
DK100-200A-FC(-SS6)	75	55		61,1 24,57	62,2 33,04	61,8 34,05	61,5 35,09	61,0 36,18	60,5 37,29	59,9 38,39	59,5 39,49	58,9 40,87	58,3 42,23	57,4 43,60	56,4 44,97	55,2 46,20	53,8 47,28	50,6 49,05	46,8 50,53	42,5 51,62			250M	85
DK100-250C-FC(-SS6)	75 100	55 75		71,9 24,75		73,2 40,12	73,1 41,93	72,9 43,70	72,6 45,31	72,2 46,77	71,8 48,15	71,1 49,88	70,3 51,65	69,3 53,38	67,9 55,05	66,4 56,66	64,7 58,19	61,0 60,99					250M 280S	83
DK100-250B-FC(-SS6)	100	75		83,6 29,69		83,7 47,10	83,5 49,07	83,2 51,01	82,9 52,90	82,5 54,76	82,1 56,55	81,4 58,56	80,8 60,26	80,0 61,86	79,0 63,51	77,9 65,17	76,4 66,93	72,0 70,91	67,6 73,78				280S	83
DK100-250A-FC(-SS6)	120	90		93,5 32,71		93,9 51,99	93,7 54,16	93,4 56,31	92,9 58,44	92,4 60,60	91,8 62,70	90,9 65,02	89,9 66,97	88,8 68,84	87,4 70,82	85,7 72,81	84,0 74,73	80,4 78,17	75,8 81,33	73,2 85,53			280M	83

- Reduction in speed will result in a fall of performance.
- DO NOT RUN PUMP DRY!
- Tolerances according to ISO 9906 Grade 3B

* Only cast iron version

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																									
Types	HP	kW	Q = Performance at 1450 rpm																	Motor size	Max Eff. %				
			m³/h	0	1,5	3	4,5	6	7,5	9	10,5	12	15	18	21										
			l/m	0	25	50	75	100	125	150	175	200	250	300	350										
D4K32-160C-FC(-SS6)	0,5	0,37	H (m) / Pump input power (kW)	6,4 0,17	6,4 0,20	6,3 0,22	6,0 0,24	5,8 0,27	5,3 0,29	4,8 0,31	4,0 0,31	3,1 0,32								71M	63				
D4K32-160B-FC(-SS6)	0,5	0,37		7,4 0,19	7,4 0,22	7,3 0,25	6,9 0,28	6,6 0,30	6,1 0,32	5,5 0,34	4,8 0,35	3,8 0,37									71M	63			
D4K32-160A-FC(-SS6)	0,75	0,55		9,2 0,24	9,2 0,28	9,1 0,31	8,9 0,33	8,6 0,37	8,3 0,39	7,8 0,42	7,3 0,44	6,6 0,46	4,5 0,48									80M	63		
D4K32-200C-FC(-SS6)	1	0,75		11,0 0,26		10,8 0,39	10,6 0,43	10,2 0,47	9,9 0,51	9,4 0,54	8,9 0,57	8,4 0,59	6,7 0,66	4,2 0,71									80M	55	
D4K32-200B-FC(-SS6)	1,5	1,1		13,4 0,40		13,1 0,49	12,9 0,53	12,6 0,59	12,1 0,63	11,6 0,69	11,0 0,73	10,5 0,77	9,1 0,82	6,8 0,85									90S	55	
D4K32-200A-FC(-SS6)	1,5	1,1		15,9 0,44		15,7 0,53	15,5 0,57	15,3 0,66	15,0 0,71	14,5 0,77	13,8 0,82	13,2 0,88	11,7 0,98	9,5 1,04	6,8 1,10									90S	55
D4K32-250C-FC(-SS6)	2	1,5		17,5 0,55		17,2 0,75	16,9 0,79	16,6 0,85	16,2 0,90	15,7 0,95	15,1 1,00	14,4 1,04	12,5 1,09	10,0 1,18	6,5 1,21									90L	43
D4K32-250B-FC(-SS6)	2	1,5		20,3 0,75		20,0 0,87	19,7 0,93	19,4 1,00	19,0 1,06	18,4 1,14	17,8 1,19	17,0 1,24	15,3 1,33	12,6 1,39	8,3 1,42									90L	43
D4K32-250A-FC(-SS6)	3	2,2		22,6 0,80		22,2 0,95	21,9 1,03	21,6 1,10	21,3 1,18	20,7 1,24	20,0 1,30	18,9 1,36	17,2 1,46	14,8 1,52	9,1 1,55									100L	43

4 POLE																										
Types	HP	kW	Q = Performance at 1450 rpm																	Motor size	Max Eff. %					
			m³/h	0	4,5	6	7,5	9	10,5	12	15	18	21	24	27	30	33									
			l/m	0	75	100	125	150	175	200	250	300	350	400	450	500	550									
D4K40-125C-FC(-SS6)	0,5	0,37	H (m) / Pump input power (kW)	4,6 0,17	4,8 0,20	4,7 0,21	4,6 0,23	4,5 0,25	4,4 0,26	4,2 0,28	3,8 0,29	3,2 0,31	2,4 0,32									71M	73			
D4K40-125B-FC(-SS6)	0,5	0,37		5,5 0,19	5,6 0,23	5,6 0,25	5,5 0,27	5,4 0,29	5,3 0,30	5,1 0,32	4,7 0,35	4,1 0,36	3,4 0,37										71M	73		
D4K40-125A-FC(-SS6)	0,75	0,55		6,4 0,24	6,5 0,29	6,5 0,31	6,4 0,33	6,3 0,35	6,2 0,37	6,0 0,39	5,6 0,42	5,1 0,44	4,4 0,46	3,6 0,48										80M	73	
D4K40-160B-FC(-SS6)	0,75	0,55		7,7 0,22	7,8 0,31	7,9 0,36	7,7 0,39	7,5 0,42	7,3 0,44	7,1 0,46	6,4 0,48	5,2 0,50	4,0 0,51	2,7 0,52										80M	71	
D4K40-160A-FC(-SS6)	1	0,75		8,9 0,23	9,0 0,35	9,1 0,39	9,0 0,42	8,8 0,46	8,6 0,48	8,4 0,50	7,6 0,54	6,7 0,58	5,7 0,60	4,3 0,61										80M	71	
D4K40-200B-FC(-SS6)	1,5	1,1		11,7 0,38		11,8 0,54	11,7 0,58	11,5 0,62	11,2 0,67	10,9 0,71	10,0 0,78	8,9 0,81	7,3 0,85	5,4 0,87										90S	61	
D4K40-200A-FC(-SS6)	1,5 2	1,1 1,5		14,5 0,40		14,6 0,68	14,5 0,77	14,3 0,79	14,1 0,84	13,9 0,88	13,0 0,97	12,0 1,05	10,7 1,13	9,2 1,19										90S 90L	61	
D4K40-250C-FC(-SS6)	1,5 2	1,1 1,5		15,7 0,61				15,2 0,93	15,0 0,98	14,7 1,04	14,0 1,14	12,8 1,22	11,1 1,32	9,1 1,38	6,6 1,45									90S 90L	51	
D4K40-250B-FC(-SS6)	3	2,2		18,3 0,73				18,2 1,13	17,9 1,19	17,7 1,24	17,1 1,39	16,2 1,51	14,9 1,62	12,9 1,73	10,7 1,82	8,2 1,91									100L	53
D4K40-250A-FC(-SS6)	3 4	2,2 3		21,6 0,93				21,5 1,38	21,3 1,46	21,1 1,54	20,5 1,68	19,7 1,82	18,6 1,96	17,1 2,08	15,0 2,19	12,3 2,30	9,5 2,41								100L 100L	55

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																								
Types	HP	kW	Q = Performance at 1450 rpm																			Motor size	Max Eff. %	
			m³/h	0	9	12	15	18	21	24	27	30	36	42	45	48	54	60	72	84	90			96
			l/m	0	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1200	1400	1500			1600
D4K50-125B-FC(-SS6)	0,75	0,55	H (m) / Pump input power (kW)	5,5 0,16	5,7 0,24	5,6 0,29	5,5 0,34	5,3 0,39	5,1 0,42	4,9 0,46	4,6 0,46	4,3 0,48	3,3 0,49	2,3 0,51								80M	78	
D4K50-125A-FC(-SS6)	1	0,75		6,4 0,24	6,6 0,39	6,5 0,43	6,5 0,46	6,3 0,49	6,2 0,53	6,0 0,57	5,7 0,61	5,4 0,64	4,6 0,66	3,6 0,67	3,0 0,68								80M	78
D4K50-160B-FC(-SS6)	1	0,75		7,9 0,23	8,0 0,43	7,8 0,47	7,7 0,51	7,3 0,56	6,9 0,60	6,4 0,63	5,9 0,65	5,3 0,66	4,0 0,68	2,3 0,67									80M	73
D4K50-160A-FC(-SS6)	1,5	1,1		9,4 0,34	9,4 0,55	9,3 0,59	9,2 0,65	9,0 0,72	8,7 0,77	8,3 0,80	7,8 0,82	7,2 0,84	6,0 0,87	4,7 0,88	3,9 0,89	3,1 0,88							90S	73
D4K50-200C-FC(-SS6)	1,5	1,1		12,0 0,39	12,0 0,63	11,7 0,72	11,2 0,79	10,7 0,83	10,0 0,86	9,3 0,89	8,2 0,91	7,2 0,93	4,6 0,94										90S	63
D4K50-200B-FC(-SS6)	2	1,5		13,1 0,48		13,1 0,83	12,7 0,92	12,2 1,02	11,6 1,09	10,9 1,14	10,0 1,18	9,2 1,22	7,0 1,27	4,2 1,27									90L	63
D4K50-200A-FC(-SS6)	2	1,5		14,8 0,54		14,5 0,92	14,4 1,03	13,9 1,14	13,4 1,22	12,7 1,28	11,9 1,32	11,0 1,36	8,9 1,43	6,3 1,47	4,6 1,48								90L	63
D4K50-250C-FC(-SS6)	3 4	2,2 3		18,5 0,61		18,3 1,30	18,0 1,38	17,5 1,53	17,0 1,66	16,5 1,79	15,6 1,88	14,8 1,98	13,1 2,14	10,3 2,26	8,3 2,32								100L 100L	62
D4K50-250B-FC(-SS6)	4	3		19,9 0,79			19,6 1,58	19,1 1,72	18,8 1,85	18,2 1,97	17,5 2,07	16,7 2,19	14,6 2,37	12,0 2,52	10,4 2,58	8,2 2,64							100L	62
D4K50-250A-FC(-SS6)	5,5	4		23,0 0,90			22,7 1,84	22,5 2,07	22,2 2,21	21,8 2,42	21,1 2,60	20,4 2,78	18,7 3,12	16,6 3,43	15,2 3,53	13,4 3,62	8,4 3,74						112M	62
D4K50-315C-FC(-SS6)*	7,5	5,5		24,4 1,64				24,7 2,58	24,7 2,77	24,6 2,96	24,5 3,15	24,3 3,33	23,7 3,66	23,1 3,96	22,8 4,11	22,5 4,24	21,9 4,51	21,1 4,77	19,2 5,23	16,8 5,62			132M	74
D4K50-315B-FC(-SS6)*	10	7,5		31,3 2,35				31,4 3,54	31,4 3,78	31,3 4,01	31,3 4,24	31,2 4,47	30,6 4,89	29,9 5,27	29,5 5,46	29,1 5,64	28,2 5,99	27,3 6,32	25,5 6,89	23,1 7,37	21,6 7,58		132M	74
D4K50-315A-FC(-SS6)*	15	11		37,5 3,06				37,2 4,39	37,2 4,65	37,1 4,92	37,0 5,18	36,9 5,45	36,5 5,97	36,0 6,45	35,6 6,68	35,2 6,90	34,3 7,31	33,3 7,69	30,9 8,37	28,4 8,96	26,9 9,18	25,1 9,37	160M	74

* Not to EN 733

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																									
Types	HP	kW	Q= Performance at 1450 rpm																				Motor size	Max Eff. %	
			m³/h	0	18	24	27	30	36	42	48	54	60	66	72	78	84	96	108	120	132	138			
			l/m	0	300	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2300			
D4K65-125B-FC(-SS6)	1	0,75	H (m) / Pump input power (kW)	5,1 0,33	5,3 0,51	5,2 0,56	5,2 0,59	5,1 0,60	4,8 0,66	4,6 0,70	4,1 0,73	3,6 0,74	3,1 0,75									80M	87		
D4K65-125A-FC(-SS6)	1,5	1,1		6,2 0,41		6,2 0,67	6,2 0,70	6,1 0,74	5,9 0,80	5,6 0,84	5,1 0,86	4,8 0,88	4,4 0,89	3,8 0,90	3,2 0,91								90S	87	
D4K65-160C-FC(-SS6)	2	1,5		7,8 0,48		8,1 0,87	8,0 0,92	7,9 0,97	7,6 1,05	7,2 1,11	6,7 1,14	6,3 1,16	5,6 1,22	5,0 1,24	4,2 1,25	3,6 1,25							90L	83	
D4K65-160B-FC(-SS6)	2	1,5		8,7 0,50		8,9 0,90	8,8 0,95	8,6 0,99	8,3 1,11	7,9 1,20	7,5 1,25	6,9 1,31	6,3 1,34	5,6 1,38	4,8 1,40	4,1 1,41							90L	83	
D4K65-160A-FC(-SS6)	3	2,2		9,8 0,66		9,9 1,06	9,9 1,14	9,8 1,20	9,5 1,30	9,1 1,39	8,7 1,46	8,2 1,52	7,6 1,58	6,8 1,63	6,1 1,67	5,3 1,72	4,6 1,72						100L	83	
D4K65-200C-FC(-SS6)	3	2,2		11,2 0,50			11,9 1,29	11,8 1,38	11,6 1,57	11,2 1,71	10,6 1,83	10,0 1,95	9,4 2,01	8,6 2,07	7,7 2,12	6,8 2,17	5,6 2,21						100L	78	
D4K65-200B-FC(-SS6)	4	3		12,3 0,69			13,1 1,45	13,0 1,51	12,7 1,70	12,3 1,88	11,9 2,01	11,3 2,11	10,6 2,21	10,0 2,29	9,0 2,36	8,0 2,42	7,0 2,48						100L	78	
D4K65-200A-FC(-SS6)	4	3		14,0 1,12			14,8 1,74	14,7 1,82	14,5 2,02	14,0 2,18	13,7 2,34	13,3 2,48	12,7 2,59	12,0 2,70	11,3 2,81	10,3 2,91	9,3 3,00						100L	78	
D4K65-250B-FC(-SS6)	5,5 7,5	4 5,5		20,6 1,42			21,0 2,87	20,8 2,98	20,1 3,38	19,3 3,61	18,4 3,78	17,3 3,87	16,0 3,97	14,5 4,07	12,9 4,17	11,2 4,19	8,7 4,21						112M 132S	72	
D4K65-250A-FC(-SS6)	7,5	5,5		22,8 1,58				22,9 3,41	22,1 3,70	21,4 3,88	20,4 4,11	19,2 4,31	18,0 4,44	16,9 4,58	15,4 4,71	13,6 4,75	11,5 4,79						132S	72	
D4K65-315CL-FC(-SS6)	10	7,5		23,0 2,05			23,5 3,38	23,5 3,55	23,3 3,86	23,1 4,16	22,7 4,47	22,3 4,77	21,9 5,05	21,5 5,33	21,0 5,59	20,5 5,84	20,0 6,08	18,5 6,56	16,9 6,97	15,0 7,35			132M	75	
D4K65-315BL-FC(-SS6)	15	11		28,9 2,72			28,9 4,33	28,9 4,52	28,7 4,89	28,4 5,24	28,0 5,61	27,5 5,98	27,0 6,33	26,5 6,65	25,9 6,95	25,3 7,24	24,7 7,53	23,3 8,06	21,6 8,52	19,6 8,91	17,2 9,29		160M	75	
D4K65-315AL-FC(-SS6)	15	11		34,5 3,44			34,0 5,43	33,9 5,66	33,5 6,10	33,1 6,54	32,6 6,96	32,2 7,35	31,6 7,73	31,0 8,10	30,4 8,45	29,6 8,78	28,9 9,08	27,2 9,61	25,1 10,05	22,5 10,40	19,6 10,68	18,2 10,78		160M	75

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																									
Types	HP	kW	Q = Performance at 1450 rpm																			Motor size	Max Eff. %		
			m³/h	0	27	30	36	42	48	60	72	84	96	102	108	120	132	144	150	156	168				
			l/m	0	450	500	600	700	800	1000	1200	1400	1600	1700	1800	2000	2200	2400	2500	2600	2800				
D4K80-160E-FC(-SS6)	1,5	1,1	H (m) / Pump input power (kW)	5,5 0,35	5,7 0,74	5,7 0,74	5,4 0,81	5,1 0,88	4,9 0,90	4,2 0,97	3,8 1,02	2,8 1,02	2,2 1,00									90S	86		
D4K80-160D-FC(-SS6)	2	1,5		6,3 0,61	6,8 0,89	6,7 0,91	6,5 0,98	6,3 1,04	6,1 1,10	5,5 1,19	4,8 1,25	4,0 1,28	3,1 1,30	2,6 1,29									90L	86	
D4K80-160C-FC(-SS6)	2	1,5		7,0 0,67		7,4 1,04	7,3 1,12	7,1 1,18	6,8 1,25	6,4 1,35	5,7 1,42	4,9 1,47	4,0 1,48	3,5 1,48	3,1 1,48									90L	86
D4K80-160B-FC(-SS6)	3	2,2		8,5 0,62			8,9 1,35	8,7 1,43	8,5 1,51	8,0 1,72	7,5 1,87	6,8 1,95	5,7 2,01	5,2 2,02	4,7 2,04	3,5 2,04								100L	86
D4K80-160A-FC(-SS6)	4	3		9,3 1,09			9,8 1,60	9,7 1,71	9,5 1,81	9,1 2,01	8,6 2,14	7,9 2,27	7,1 2,34	6,6 2,37	6,2 2,39	5,0 2,42	3,8 2,43							100L	86
D4K80-200B-FC(-SS6)	5,5	4		12,3 1,25				13,1 2,32	13,0 2,48	12,6 2,79	12,1 3,03	11,4 3,26	10,5 3,45	10,1 3,52	9,6 3,58	8,4 3,69	7,1 3,75							112M	80
D4K80-200A-FC(-SS6)	7,5	5,5		13,8 1,40				14,7 2,64	14,6 2,81	14,2 3,14	13,7 3,43	13,1 3,66	12,3 3,87	11,7 3,99	11,2 4,09	10,1 4,21	8,8 4,30	7,5 4,35						132S	82
D4K80-250B-FC(-SS6)	7,5	5,5		18,9 1,79				19,2 3,52	19,0 3,75	18,1 4,14	17,0 4,48	15,9 4,78	14,8 5,05	14,2 5,16	13,6 5,24	12,4 5,41	11,1 5,54							132S	77
D4K80-250A-FC(-SS6)	10	7,5		22,4 2,22				22,9 4,28	22,6 4,56	21,8 5,05	20,7 5,46	19,6 5,85	18,3 6,21	17,7 6,37	17,0 6,52	15,6 6,77	14,2 6,96	12,6 7,10						132S	77
D4K80-315B-FC(-SS6)	15	11		27,7 2,99				28,3 5,48	28,2 5,88	27,9 6,67	27,2 7,42	26,4 8,09	25,4 8,67	24,9 8,95	24,4 9,21	23,2 9,74	21,9 10,28	20,5 10,69	19,9 10,87					160M	77
D4K80-315A-FC(-SS6)	20	15		34,5 4,29				35,0 7,30	34,9 7,79	34,6 8,75	34,1 9,66	33,3 10,53	32,4 11,36	31,9 11,77	31,3 12,17	30,1 12,91	28,8 13,50	27,3 14,04	26,4 14,31	25,6 14,56	23,7 15,04			160L	77

4 POLE																									
Types	HP	kW	Q = Performance at 1450 rpm																			Motor size	Max Eff. %		
			m³/h	0	48	60	72	84	102	108	120	144	150	156	168	180	192	204	216	228	240			252	
			l/m	0	800	1000	1200	1400	1700	1800	2000	2400	2500	2600	2800	3000	3200	3400	3600	3800	4000			4200	
D4K100-200B-FC(-SS6)	7,5	5,5	H (m) / Pump input power (kW)	13,5 2,79	13,6 3,48	13,4 3,70	13,1 3,93	12,8 4,15	12,3 4,49	12,1 4,59	11,6 4,77	10,3 5,05	9,9 5,09	9,5 5,13	8,7 5,19	7,8 5,23							132S	80	
D4K100-200A-FC(-SS6)	10	7,5		15,2 3,12	15,4 3,96	15,3 4,22	15,0 4,48	14,8 4,74	14,4 5,17	14,2 5,31	13,8 5,58	12,5 5,99	12,2 6,07	11,8 6,13	11,0 6,23	10,1 6,33	9,1 6,40							132M	82
D4K100-250E-FC(-SS6)	10	7,5		16,7 3,06		16,9 4,71	16,8 5,06	16,6 5,42	16,2 5,91	16,0 6,07	15,5 6,39	14,0 6,96	13,6 7,08	13,2 7,19	12,4 7,38	11,4 7,53								132M	79
D4K100-250D-FC(-SS6)	10 15	7,5 11		19,6 3,39		19,6 5,44	19,4 5,88	19,2 6,29	18,7 6,82	18,5 6,98	18,0 7,30	16,6 7,90	16,2 8,05	15,7 8,19	14,8 8,41	13,7 8,60	12,7 8,75							132M 160M	83
D4K100-250A-FC(-SS6)	15	11		22,6 3,96		22,3 6,17	22,1 6,67	21,8 7,15	21,2 7,80	21,0 8,00	20,5 8,37	19,1 9,04	18,7 9,20	18,3 9,36	17,3 9,63	16,1 9,85	15,0 10,04	13,8 10,19						160M	83
D4K100-315B-FC(-SS6)	20	15		31,8 4,74			31,4 9,27	30,6 10,01	29,4 10,10	29,0 11,42	28,2 11,10	26,3 12,27	25,8 12,54	25,3 13,54	24,2 13,06	23,0 14,31	21,4 13,54	19,7 14,92	17,9 15,14					160L	79
D4K100-315A-FC(-SS6)	25	18,5		37,1 5,63			36,5 11,03	35,7 11,94	34,4 13,21	34,0 13,60	33,1 14,33	31,2 15,69	30,7 16,02	30,2 16,32	29,1 16,86	27,9 17,32	26,3 17,76	24,7 18,15	23,1 18,49					180M	79
D4K100-400C-FC(-SS6)	30	22		42,4 6,93				40,6 14,36	39,3 15,81	38,8 16,27	37,8 17,14	35,5 18,83	34,9 19,25	34,3 19,64	32,8 20,30	31,4 20,95	30,3 21,50	29,1 21,91	27,7 22,31	25,8 22,70				180L	72
D4K100-400B-FC(-SS6)	40	30		50,3 9,32				48,7 18,20	47,5 20,14	47,0 20,75	46,0 21,93	43,8 24,07	43,2 24,56	42,6 25,03	41,3 25,95	39,8 26,80	38,2 27,61	36,5 28,36	34,7 29,01	33,1 29,56	31,6 30,00			200L	72
D4K100-400A-FC(-SS6)	50	37		58,3 11,46				56,0 21,50	54,8 23,80	54,3 24,54	53,4 25,95	51,3 28,63	50,7 29,27	50,1 29,89	48,7 31,07	47,3 32,15	45,8 33,12	44,3 34,00	42,7 34,77	40,9 35,48	38,8 36,11	36,7 36,69		225S	72

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																											
Types		HP	kW	Q = Performance at 1450 rpm																				Motor size	Max Eff. %		
3 PH 230/400V up to 4 kW, 400/690V from 5,5 kW and above. 50Hz				m³/h	0	102	108	120	132	144	150	156	168	180	192	204	216	228	240	252	276	348	372				
				l/m	0	1700	1800	2000	2200	2400	2500	2600	2800	3000	3200	3400	3600	3800	4000	4200	4600	5800	6200				
D4K125-250B-FC(-SS6)		15	11	H (m) / Pump input power (kW)	19,6 5,41	20,2 8,04	20,0 8,22	19,7 8,56	19,2 8,80	18,8 9,30	18,5 9,50	18,2 9,66	17,6 9,99	16,9 10,23	16,1 10,44	15,2 10,67	14,3 10,88	13,3 11,02	12,2 11,12	11,1 11,18			160M	80			
D4K125-250A-FC(-SS6)		20	15		23,2 6,18	24,0 9,71	23,8 9,92	23,5 10,36	23,2 10,80	22,8 11,24	22,6 11,47	22,4 11,70	21,9 12,16	21,3 12,60	20,7 13,02	20,0 13,42	19,3 13,77	18,5 14,08	17,6 14,34	16,6 14,57	14,7 14,94			160L	83		
D4K125-315C-FC(-SS6)		30	22		24,1 7,23			25,8 12,72	25,7 13,39	25,5 14,05	25,4 14,38	25,3 14,70	25,0 15,34	24,7 15,95	24,4 16,49	24,1 16,99	23,7 17,48	23,3 17,98	22,8 18,49	22,2 18,99	21,0 19,96	15,7 22,32			180L	80	
D4K125-315B-FC(-SS6)		40	30		31,5 9,52			33,0 16,73	33,0 17,53	32,9 18,36	32,8 18,77	32,7 19,15	32,4 19,84	32,1 20,43	31,7 21,01	31,3 21,67	31,0 22,39	30,6 23,13	30,1 23,83	29,6 24,48	28,3 25,71	24,2 29,14	22,2 30,13			200L	85
D4K125-315A-FC(-SS6)		50	37		38,6 11,88			39,6 20,51	39,5 21,40	39,2 22,29	39,0 22,73	38,8 23,17	38,4 24,03	38,1 24,84	37,9 25,60	37,6 26,36	37,3 27,14	37,0 27,97	36,6 28,82	36,2 29,66	35,2 31,26	29,6 35,58	28,2 36,82			225S	85
D4K125-400C-FC(-SS6)		60	45		46,2 13,91			47,6 24,65	47,5 25,83	47,2 27,03	47,0 27,62	46,9 28,20	46,5 29,31	46,1 30,30	45,7 31,22	45,2 32,17	44,7 33,24	44,2 34,42	43,7 35,62	43,2 36,73	42,4 38,53	36,5 43,95	33,8 45,52			225M	81
D4K125-400B-FC(-SS6)		75	55		53,4 16,79			54,5 28,74	54,3 30,15	54,1 31,55	54,0 32,25	53,9 32,94	53,5 34,30	53,2 35,60	52,7 36,85	52,3 38,07	51,7 39,30	51,2 40,56	50,6 41,82	50,0 43,06	48,8 45,43	44,6 51,75	42,0 53,55			250M	80
D4K125-400A-FC(-SS6)		100	75		58,6 18,95			59,5 31,66	59,4 33,20	59,2 34,74	59,1 35,52	59,0 36,29	58,7 37,81	58,3 39,30	57,8 40,77	57,4 42,22	56,8 43,66	56,3 45,09	55,7 46,50	55,1 47,87	53,9 50,49	49,9 57,63	47,2 59,76			280S	80

4 POLE																													
Types		HP	kW	Q = Performance at 1450 rpm																				Motor size	Max Eff. %				
3 PH 230/400V up to 4 kW, 400/690V from 5,5 kW and above. 50Hz				m³/h	0	144	150	156	168	180	204	216	240	252	276	348	372	396	492	540	564	588	612						
				l/m	0	2400	2500	2600	2800	3000	3400	3600	4000	4200	4600	5800	6200	6600	8200	9000	9400	9800	10200						
D4K150-315D-FC(-SS6)		40	30	H (m) / Pump input power (kW)	25,7 12,22	28,3 18,44	28,3 18,74	28,3 19,04	28,2 19,63	28,1 20,19	27,7 21,22	27,5 21,72	26,8 22,73	26,5 23,25	25,8 24,37	24,7 27,81	23,8 28,75	22,7 29,56						200L	84				
D4K150-315C-FC(-SS6)		50	37		29,6 14,01	32,2 21,16	32,2 21,49	32,3 21,84	32,2 22,52	32,2 23,20	31,9 24,45	31,6 25,02	31,0 26,14	30,7 26,73	30,2 28,01	28,6 31,79	27,9 32,95	27,0 34,00	21,8 37,45						225S	85			
D4K150-315B-FC(-SS6)		60	45		34,0 16,47	36,3 24,33	36,2 24,72	36,2 25,12	36,2 25,92	36,1 26,72	35,7 28,17	35,5 28,85	35,2 30,15	34,9 30,83	34,5 32,25	32,8 36,29	32,2 37,54	31,3 38,77	26,9 43,09	23,6 44,99						225M	86		
D4K150-315A-FC(-SS6)		75	55		39,4 18,39	41,0 27,78	41,0 28,22	40,8 28,66	40,8 29,55	40,8 30,43	40,6 32,18	40,3 33,05	39,7 34,77	39,5 35,59	39,2 37,10	37,6 41,75	36,6 43,40	35,8 45,02	31,7 50,36	28,9 52,60	27,2 53,65						250M	86	
D4K150-400C-FC(-SS6)		100	75		45,6 20,78			47,8 35,35	47,7 36,41	47,4 38,54	47,2 39,58	46,7 41,65	46,5 42,62	45,8 44,48	43,9 50,44	43,1 52,51	42,0 54,34	35,8 60,59	35,8 63,18	31,5 64,43	28,7 66,43						280S	82	
D4K150-400B-FC(-SS6)		100	75		52,8 26,57			54,4 41,90	54,2 43,10	53,7 45,48	53,5 46,65	52,9 48,96	52,6 50,10	51,8 52,35	50,3 58,79	49,8 60,86	48,9 62,94	42,9 70,20	39,1 73,30	36,7 74,72	34,3 76,14						280S	83	
D4K150-400A-FC(-SS6)		120	90		59,0 29,82			60,3 47,01	60,2 48,30	59,8 50,88	59,9 52,18	59,1 54,78	58,8 56,10	58,1 58,76	56,4 66,15	56,0 68,45	55,3 70,93	50,6 79,82	46,7 83,73	44,5 85,61	42,2 87,41	39,8 89,16						280M	83

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE																					
Types 3 PH 230/400V up to 4 kW, 400/690V from 5,5 kW and above. 50Hz	HP	kW	Q = Performance at 1450 rpm																Motor size	Max Eff. %	
			m³/h	0	200	250	400	600	800	850	900										
			l/m	0	3333	4167	6667	10000	13333	14167	15000										
D4K200-315D*	50	37	H (m) / Pump input power (kW)	21,2	21,7	21,8	21,2	18,3	12,5											225S	82
				18,00	24,31	26,11	31,21	36,07	37,00												
D4K200-315C*	60	45		26,6	26,6	26,4	25,9	23,1	16,9	14,6										225M	89
				21,54	29,42	31,44	37,61	43,07	45,42	45,55											
D4K200-315B*	75	55		33,4	33,4	33,2	32,2	28,6	21,7	19,4	16,7									250M	90
				25,04	36,30	38,91	46,32	52,72	55,67	55,62	55,25										
D4K200-315A*	100	75		36,3	35,9	35,8	35,0	31,8	24,9	22,5	19,8									280S	91
				27,90	39,49	42,13	50,07	58,82	62,36	62,45	62,15										
D4K200-400C*	120	90		43,0	44,1	44,1	43,6	39,9	31,5											280M	85
				31,27	45,90	50,14	62,49	77,58	89,60												
D4K200-400B*	150	110		49,5	50,8	51,0	50,6	47,2	39,5	36,6										315S	85
				40,00	54,29	58,92	73,89	91,32	105,65	108,43											
D4K200-400A*	180	132	57,2	58,5	58,6	58,2	55,2	48,2	45,6	44,0									315M	85	
			49,00	65,01	70,26	87,26	107,05	124,54	128,46	132,15											

4 POLE																							
Types 3 PH 230/400V up to 4 kW, 400/690V from 5,5 kW and above. 50Hz	HP	kW	Q = Performance at 1450 rpm																Motor size	Max Eff. %			
			m³/h	0	250	400	600	800	850	900	1100	1170	1200	1300	1400	1500	1600						
			l/m	0	4167	6667	10000	13333	14167	15000	18333	19500	20000	21667	23333	25000	26667						
D4K250-315C*	75	55	H (m) / Pump input power (kW)	26,1	25,5	25,3	24,1	22,3	21,7	21,0	16,8									280M	87		
				28,00	37,82	44,23	51,71	57,65	58,82	59,57	59,89										280S		
D4K250-315B*	100	75		33,2	33,0	32,7	31,8	29,6	28,6	27,5	21,7	19,0								280S	90		
				43,46	54,77	61,20	68,72	74,57	75,26	75,64	74,47	73,35											
D4K250-315A*	120	90		35,8	35,0	34,4	33,3	31,3	30,4	29,3	23,0	20,7	20,0							280M	90		
				46,41	57,61	64,50	73,28	78,44	79,01	79,32	78,27	77,03	76,36										
D4K250-400D*	150	110		38,3	39,9	39,9	39,0	36,9	36,1	35,2	30,6	28,6	27,7	24,3						315S	86		
				48,00	61,74	71,25	84,15	95,73	98,36	100,80	108,97	111,27	112,17	114,78							315M		
D4K250-400C*	180	132		44,0	45,8	45,9	44,9	42,7	42,0	41,2	37,2	35,4	34,5	31,3	27,4					315M	86		
				53,83	71,89	83,20	98,11	112,06	115,25	118,20	128,07	130,85	131,93	135,08	137,50						315L		
D4K250-400B*	215	160		50,0	51,7	51,8	51,0	49,0	48,4	47,6	43,9	42,3	41,5	38,5	34,8	30,3				315L	87		
				64,57	84,18	97,49	115,36	131,10	134,76	138,27	151,48	155,58	157,12	161,60	164,88	167,09					315L		
D4K250-400A*	270	200	55,7	57,4	57,5	56,5	54,5	53,8	53,0	49,4	47,9	47,1	44,3	40,8	36,6	31,7			315L	88			
			70,94	91,89	106,81	127,19	145,00	149,18	153,24	168,92	173,94	175,86	181,62	186,11	189,07	190,57							

• Reduction in speed will result in a fall of performance.

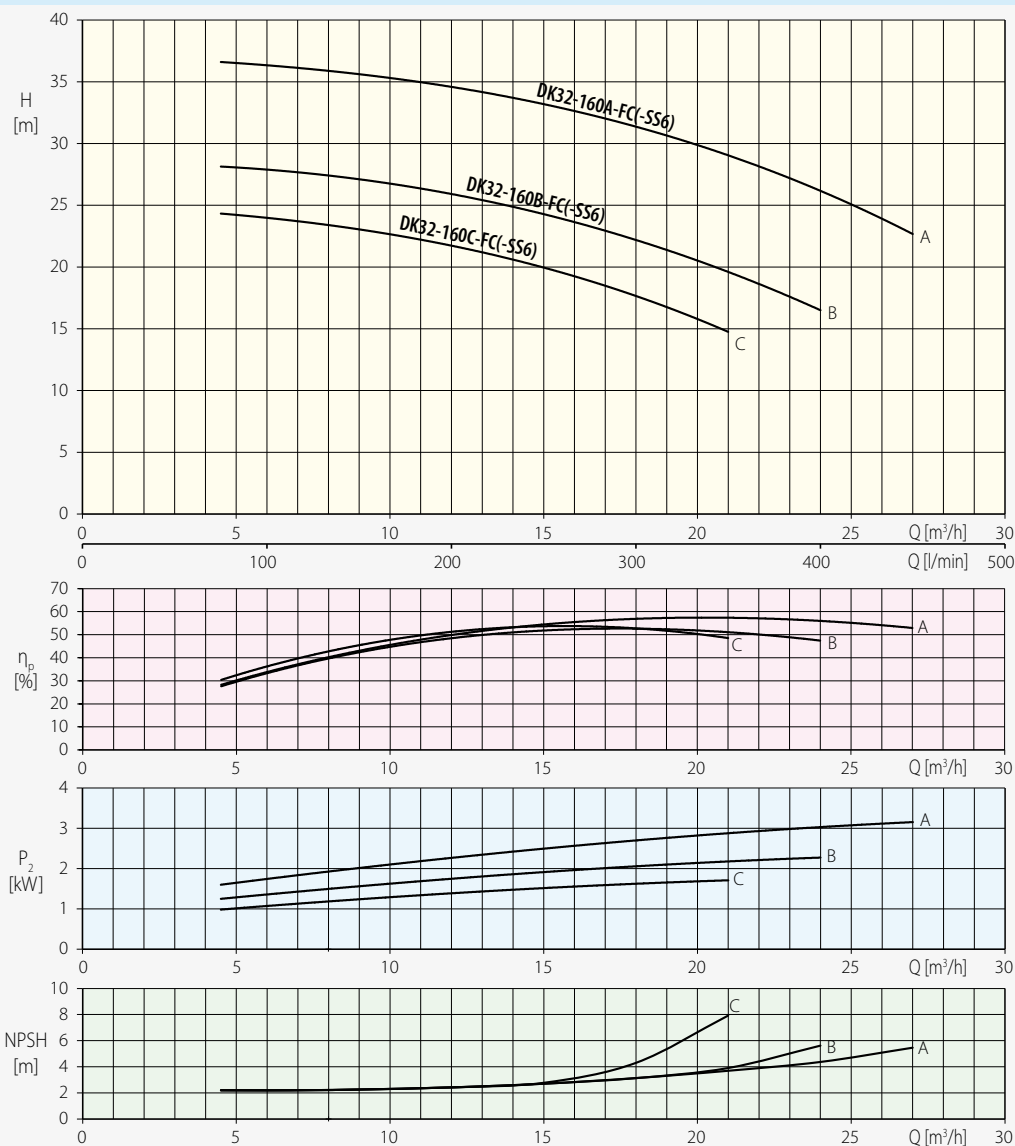
• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

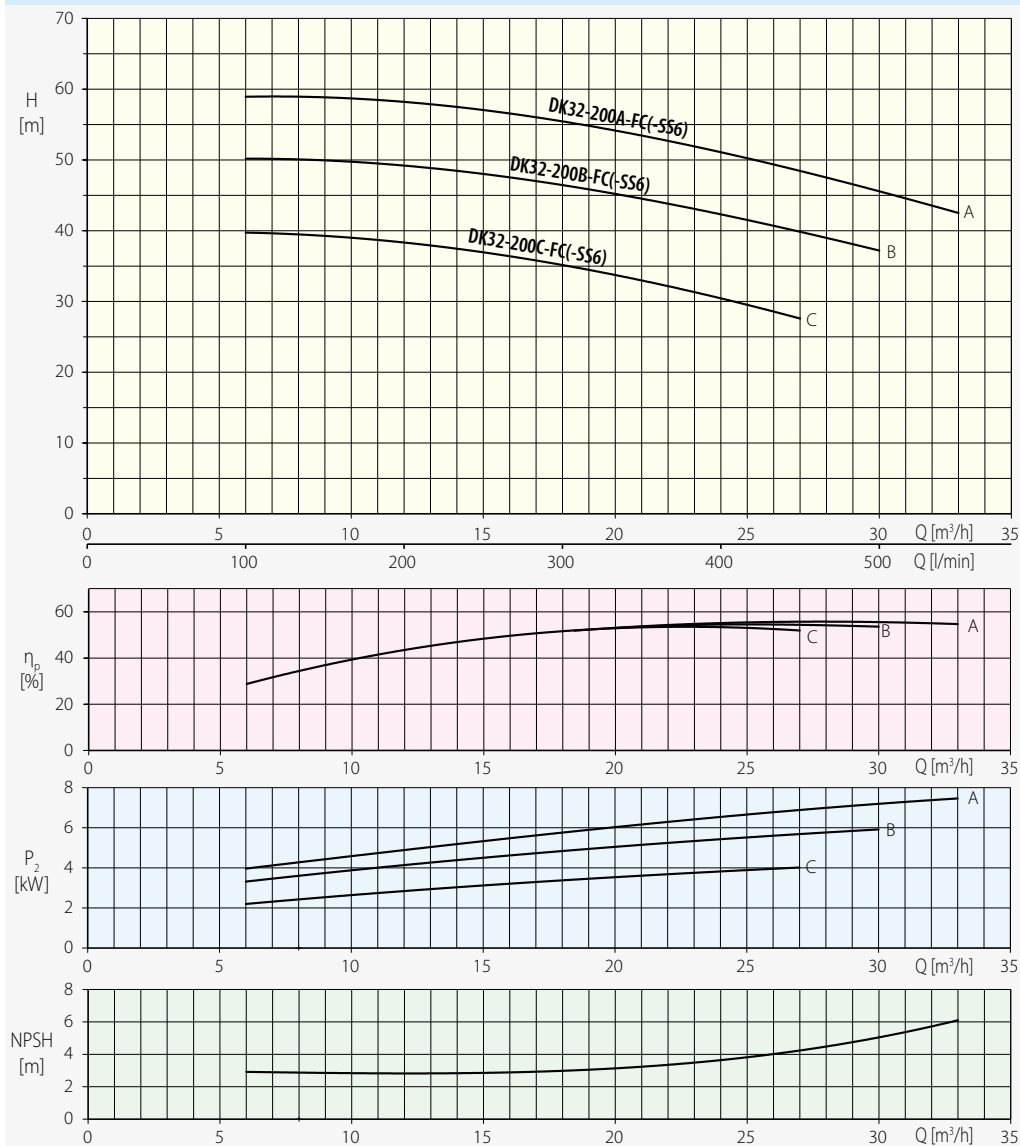
*Not to EN 733. Electric motor only on request.

2 POLE

32-160



32-200



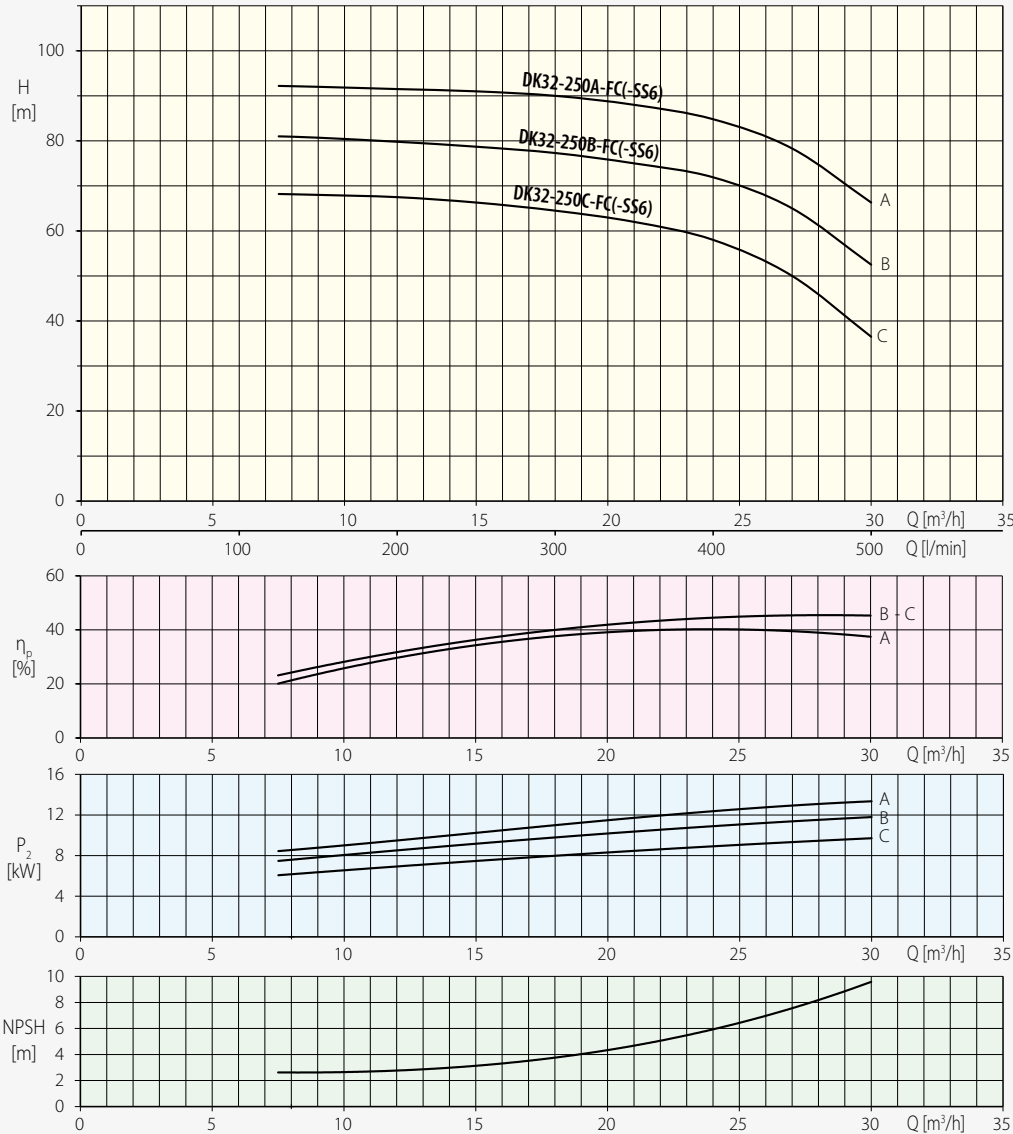
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

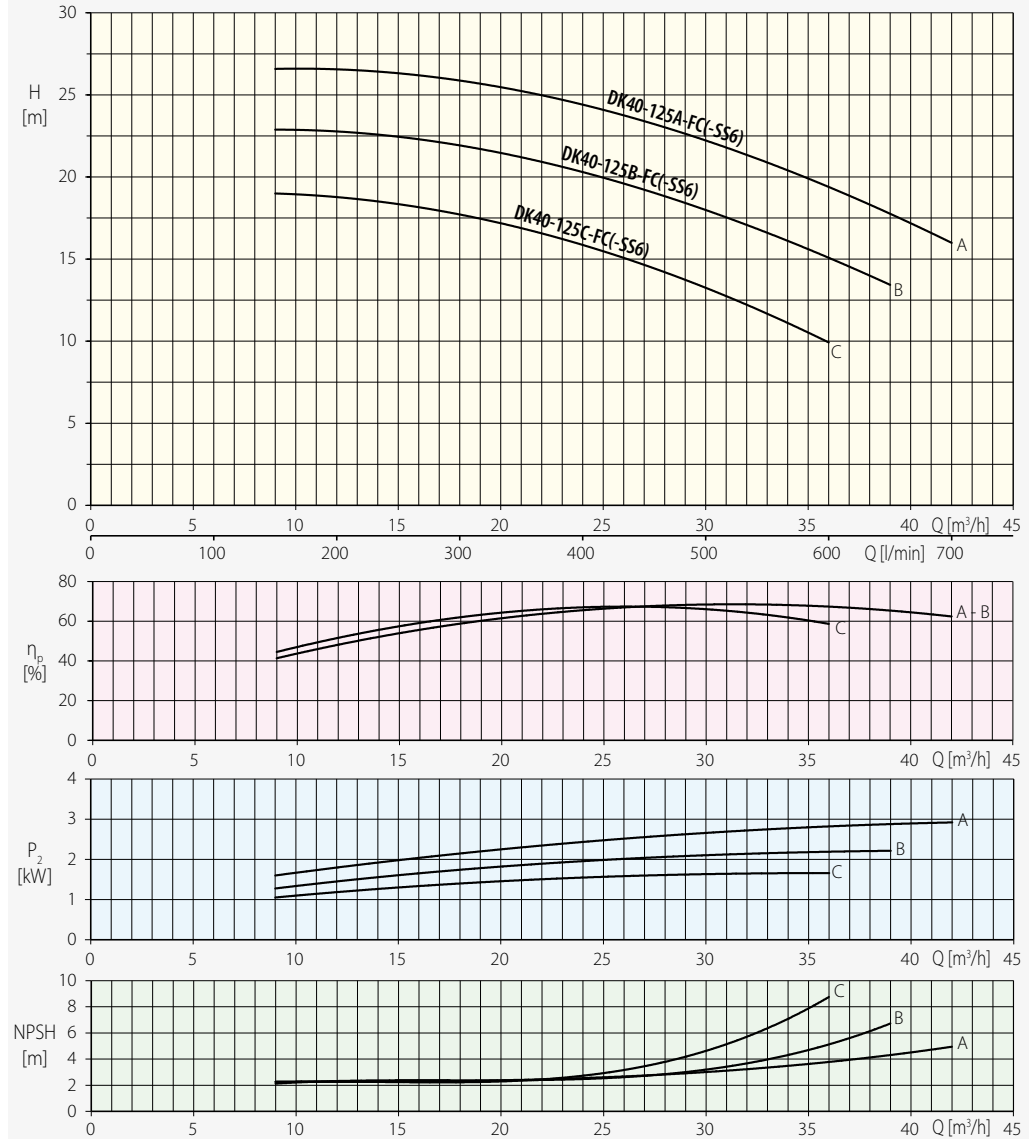
• Tolerances according to ISO 9906 Grade 3B

2 POLE

32-250



40-125



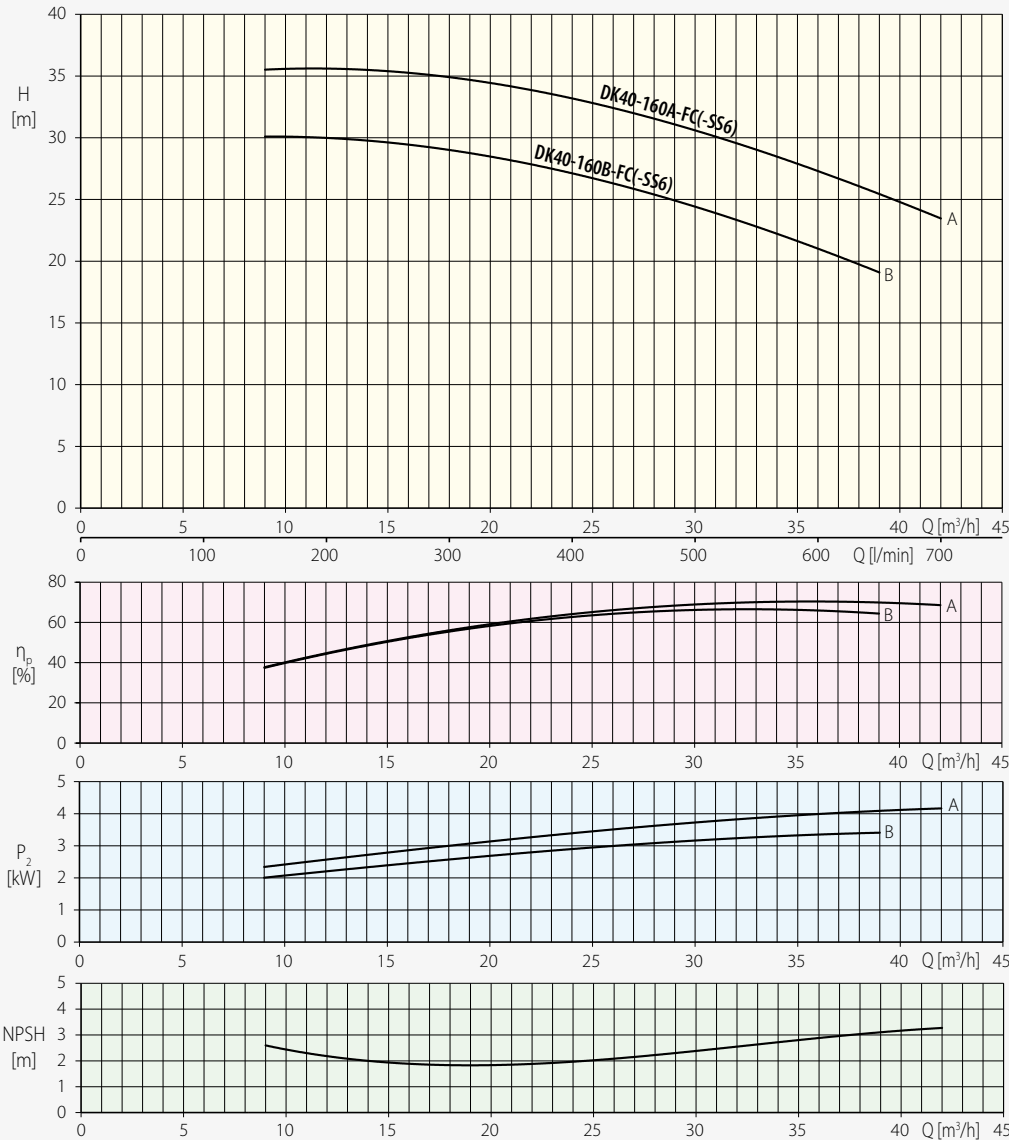
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

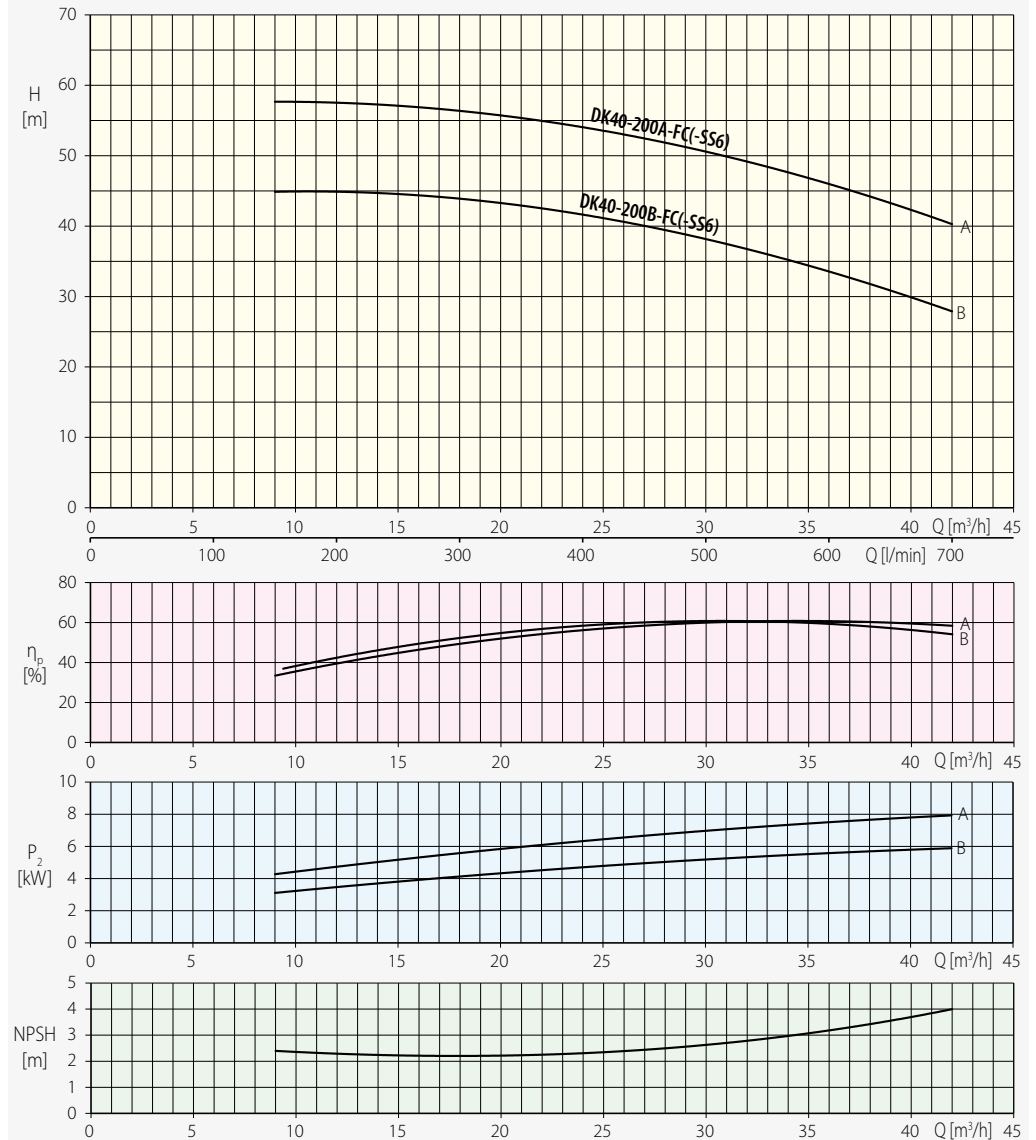
• Tolerances according to ISO 9906 Grade 3B

2 POLE

40-160



40-200



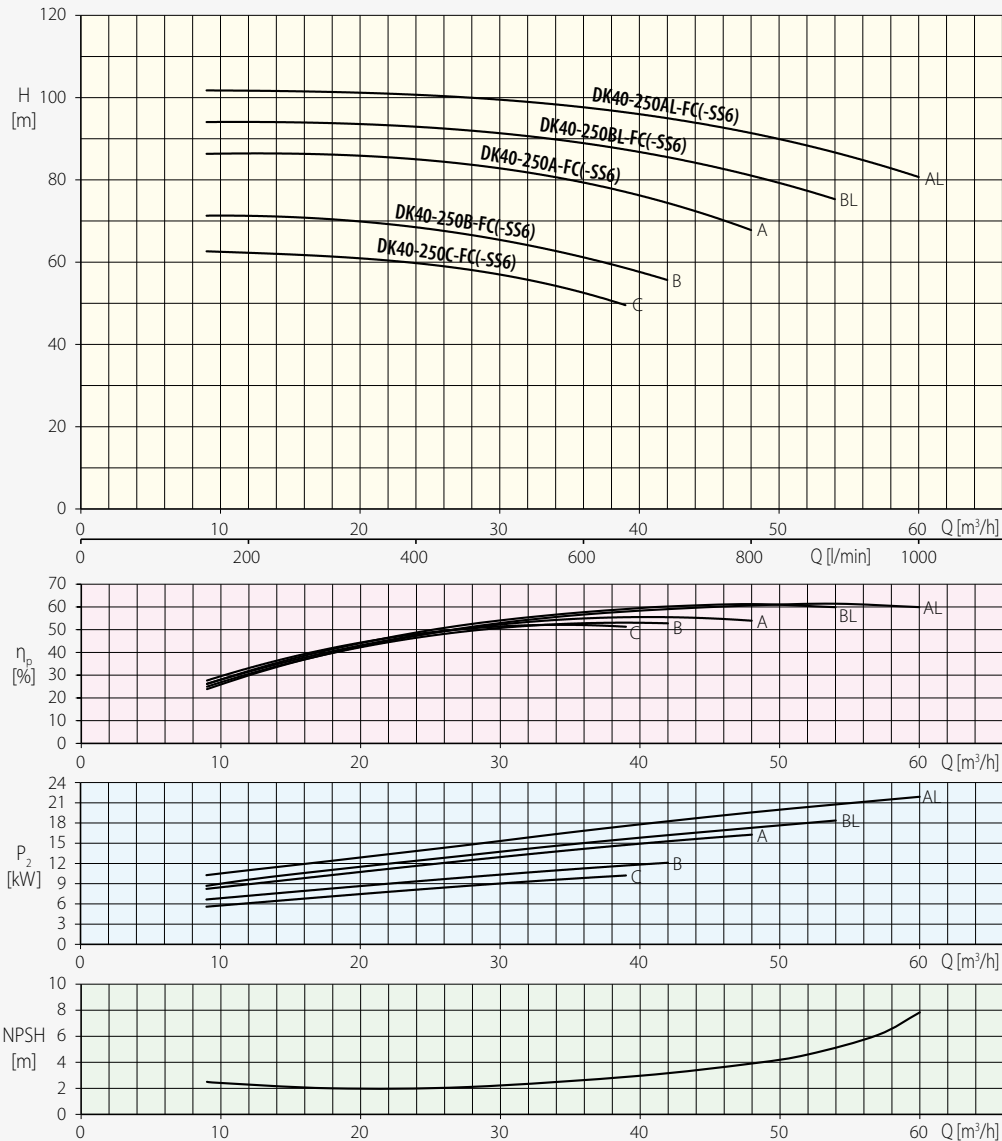
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

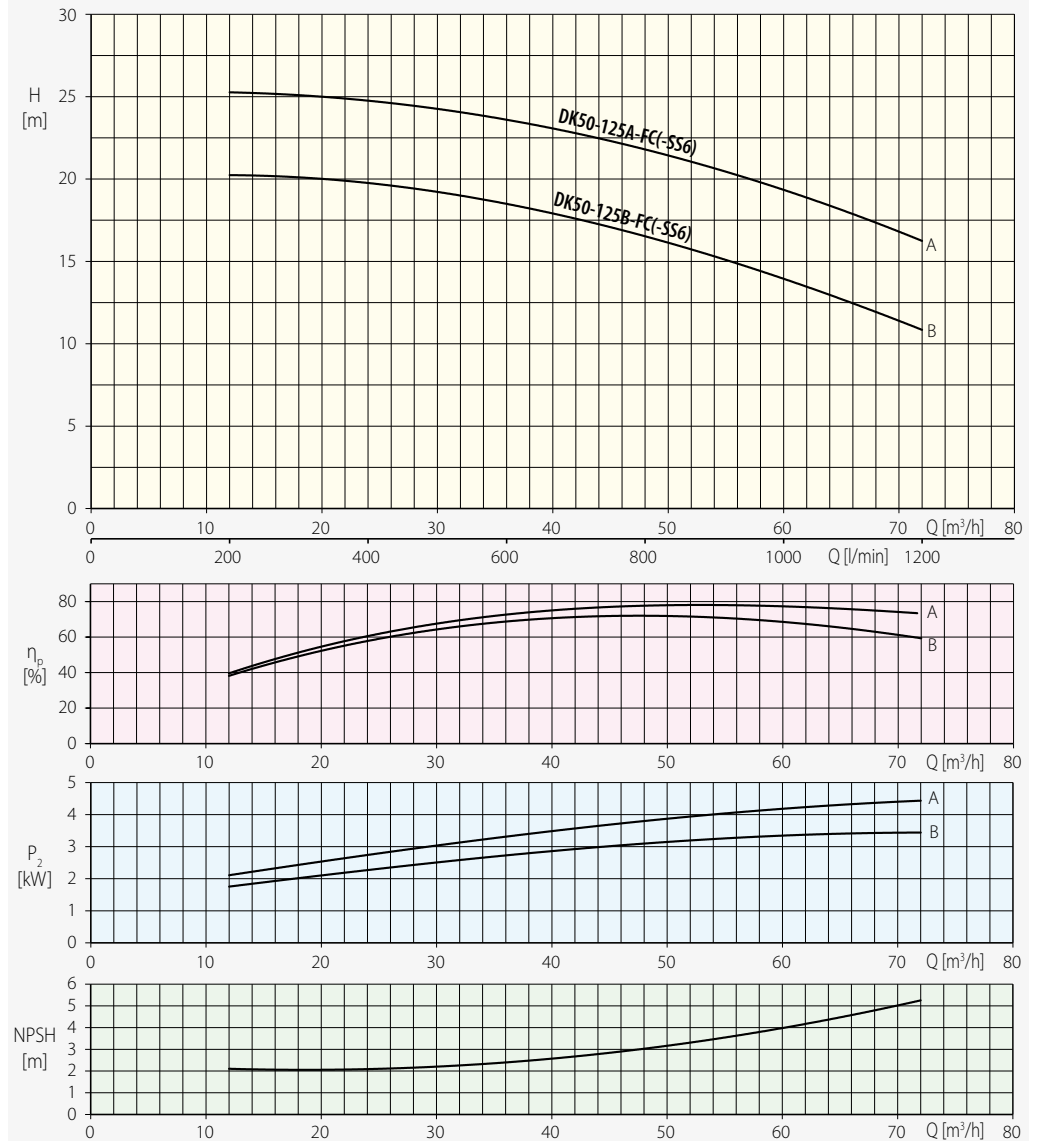
• Tolerances according to ISO 9906 Grade 3B

2 POLE

40-250



50-125



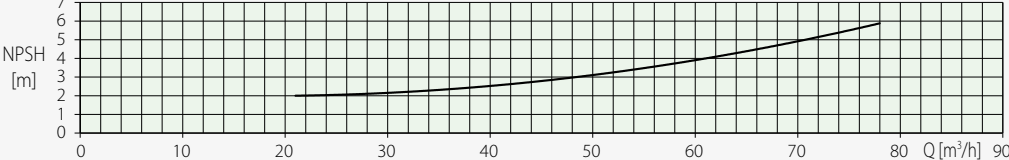
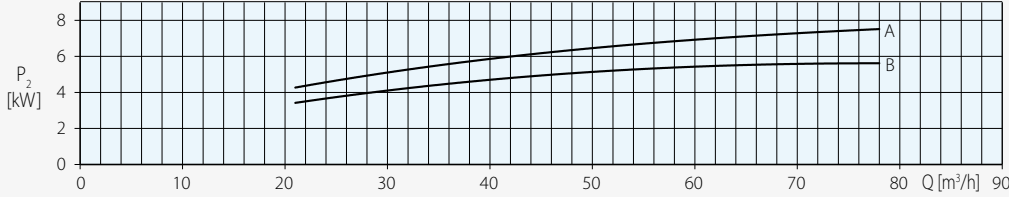
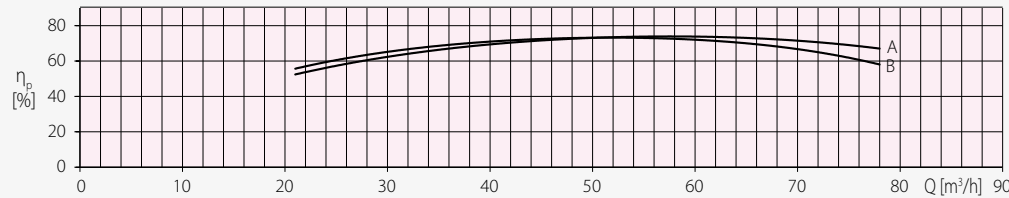
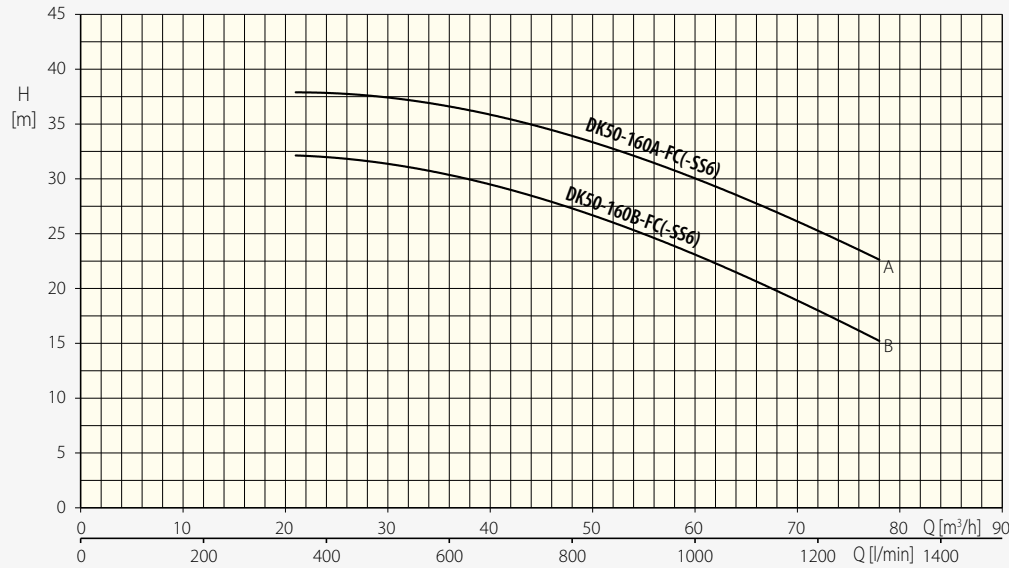
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

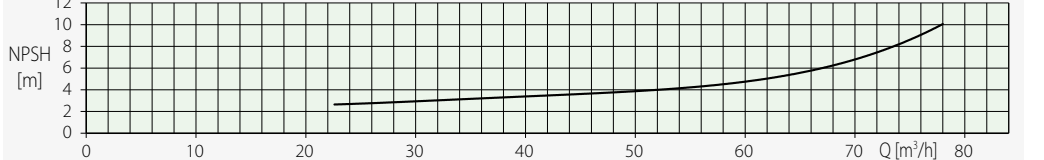
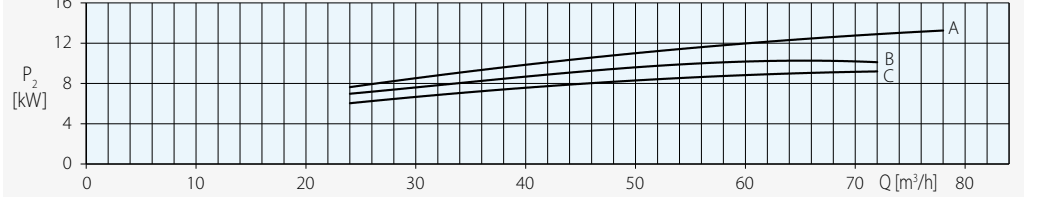
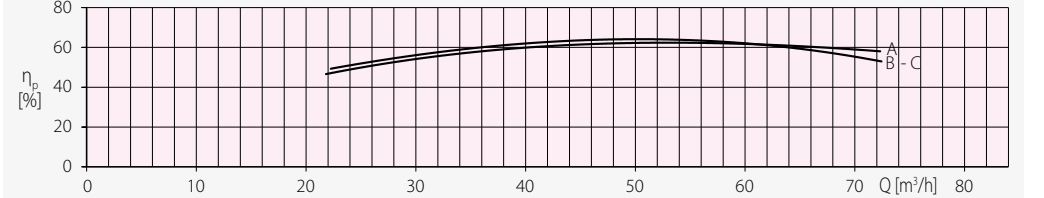
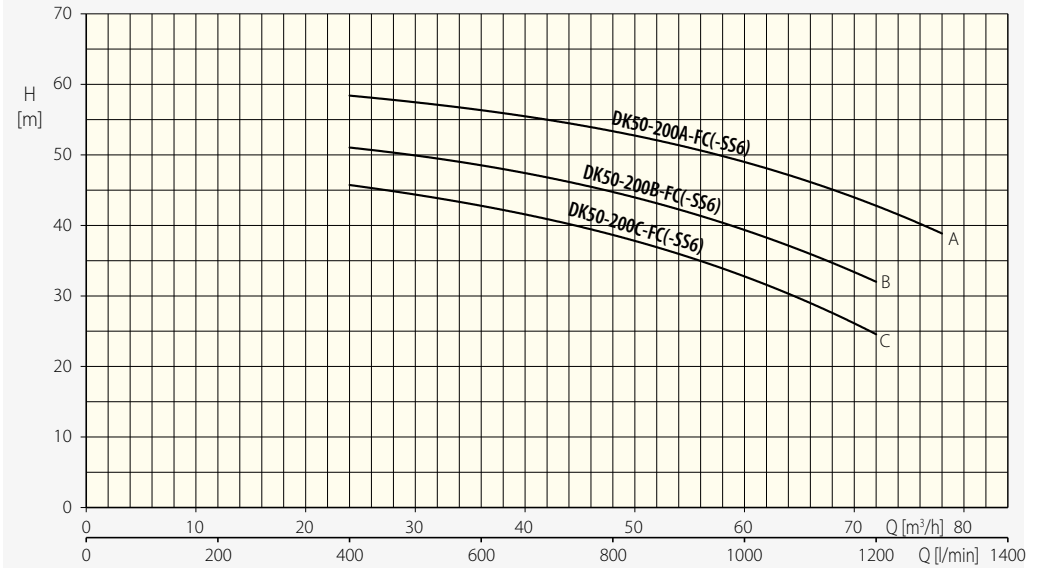
• Tolerances according to ISO 9906 Grade 3B

2 POLE

50-160



50-200



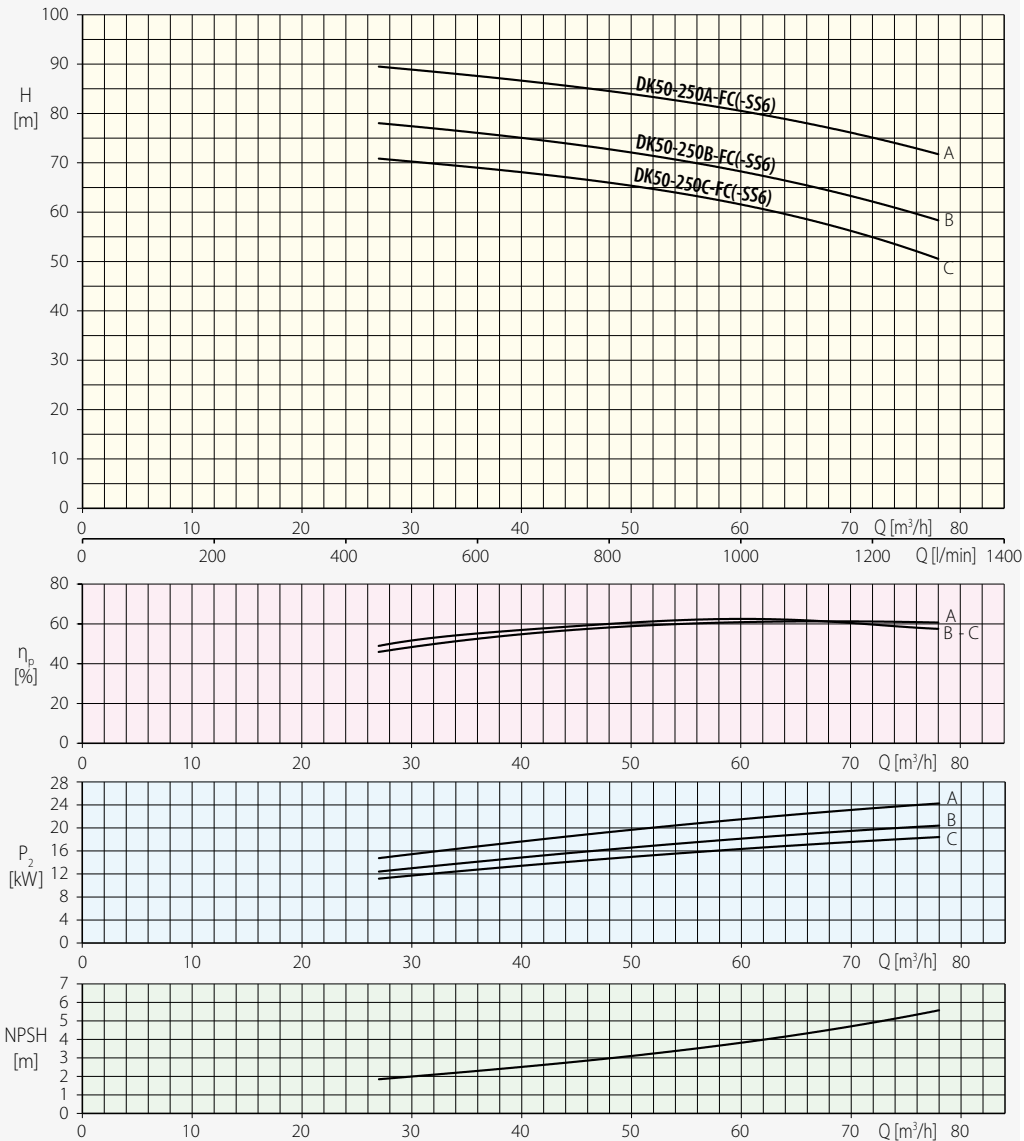
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

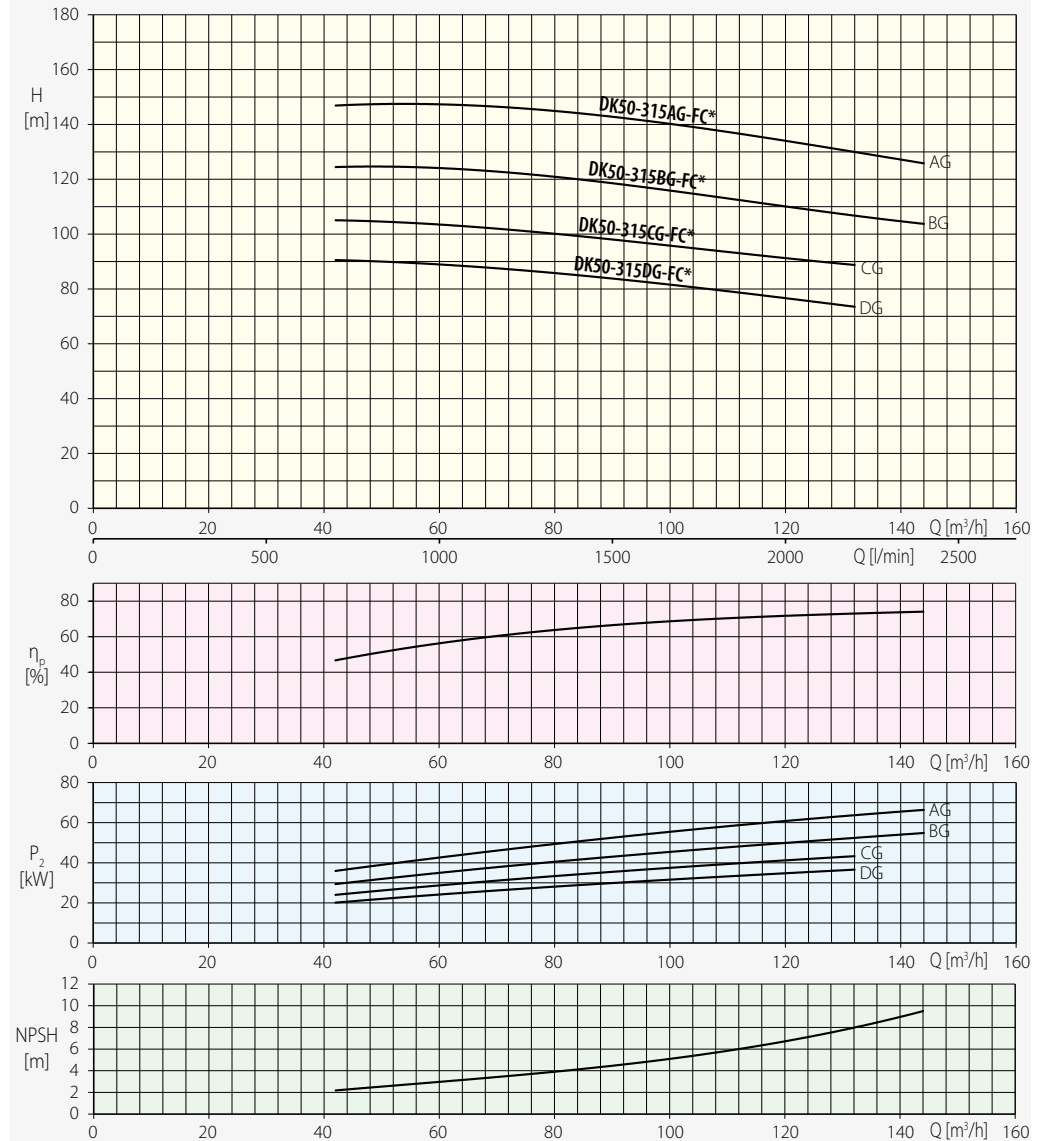
• Tolerances according to ISO 9906 Grade 3B

2 POLE

50-250



50-315



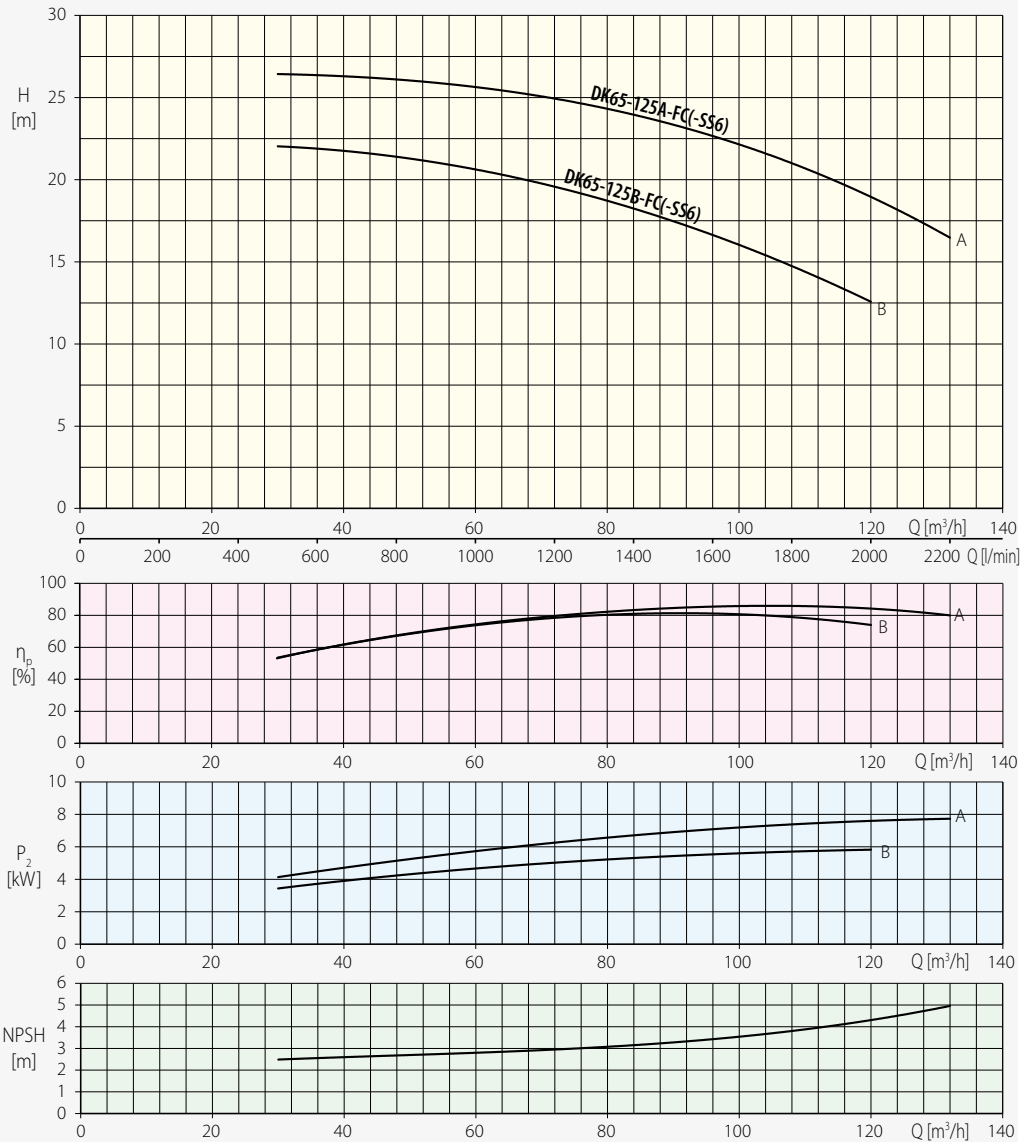
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

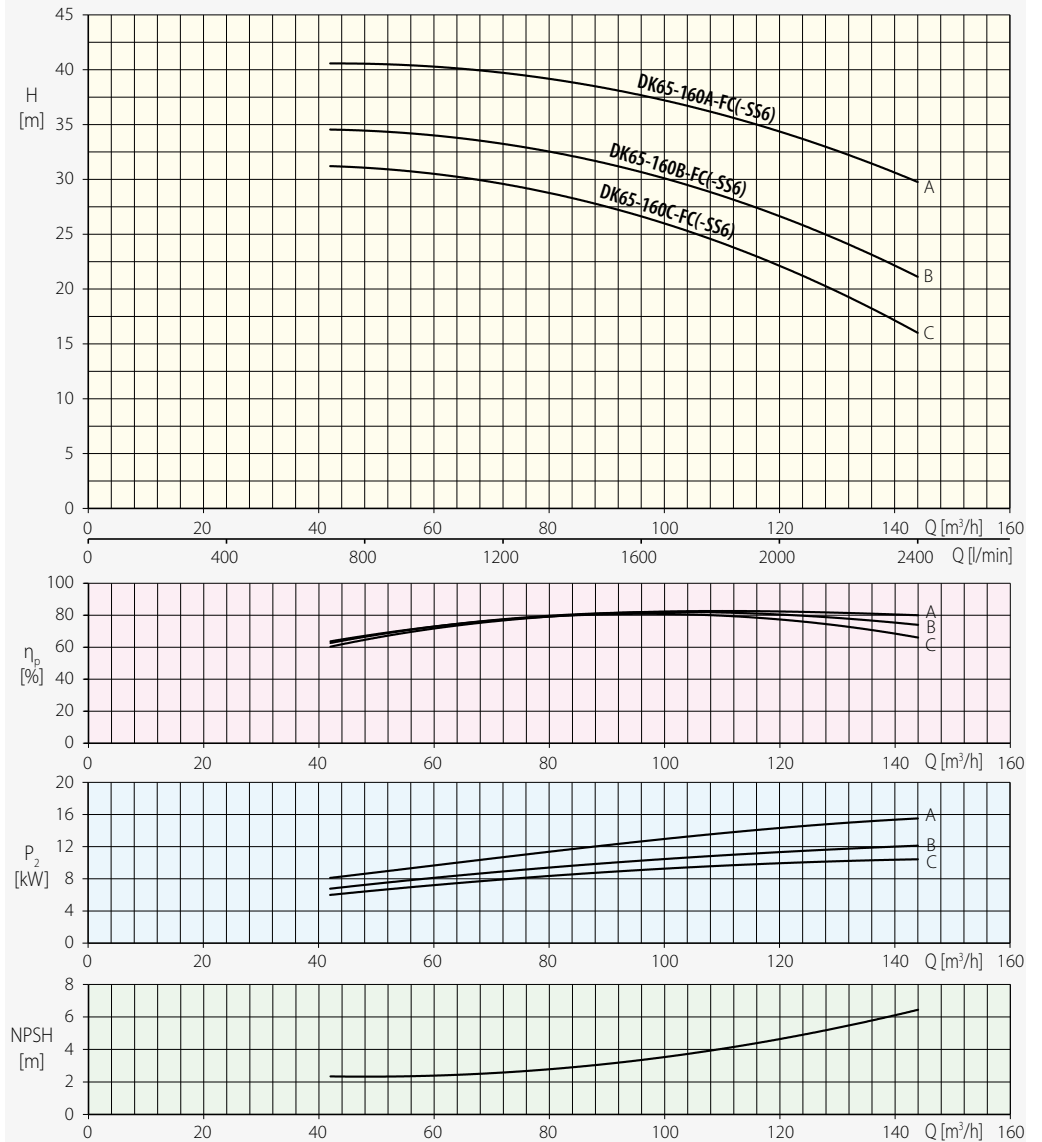
• Tolerances according to ISO 9906 Grade 3B

2 POLE

65-125



65-160



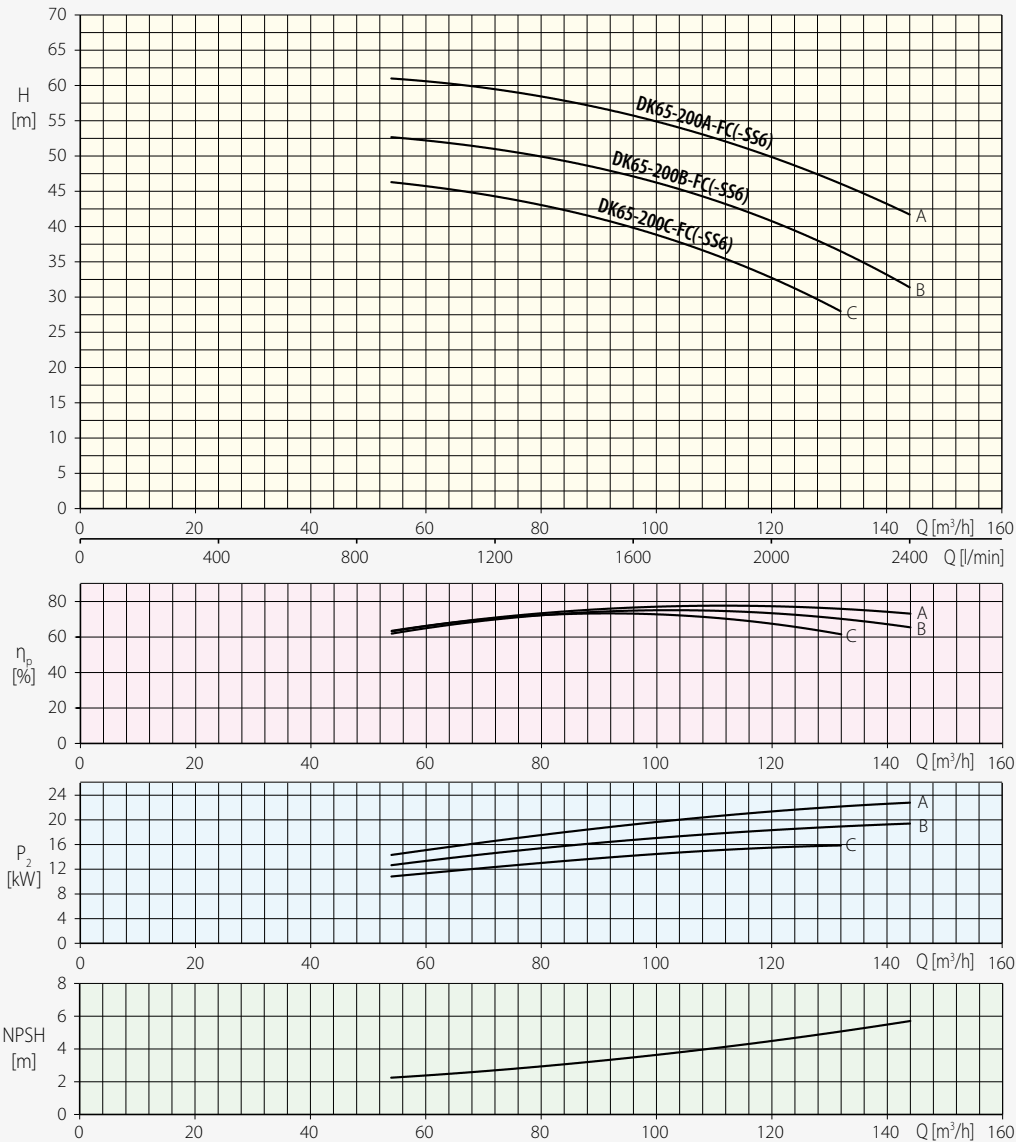
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

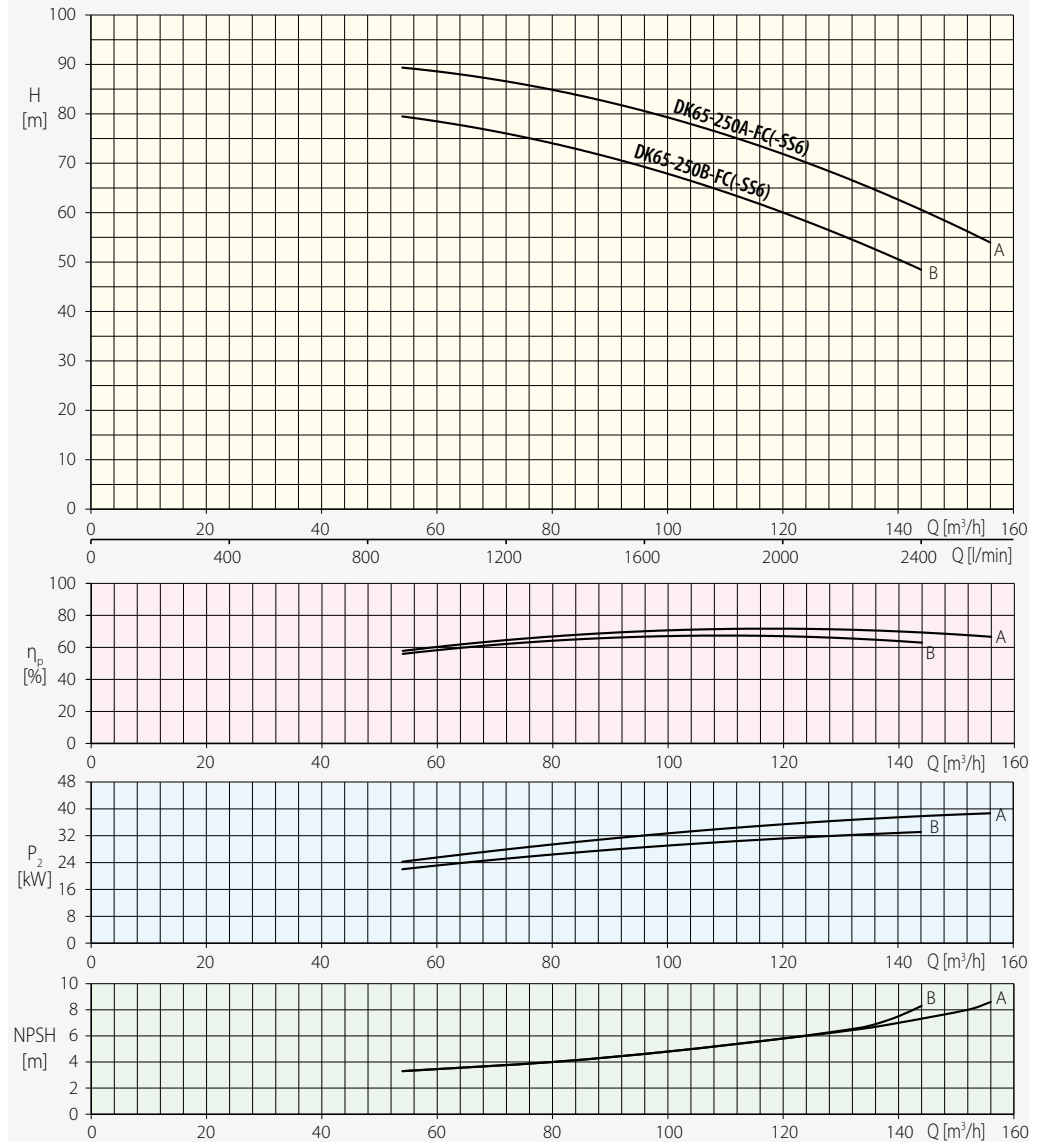
• Tolerances according to ISO 9906 Grade 3B

2 POLE

65-200



65-250



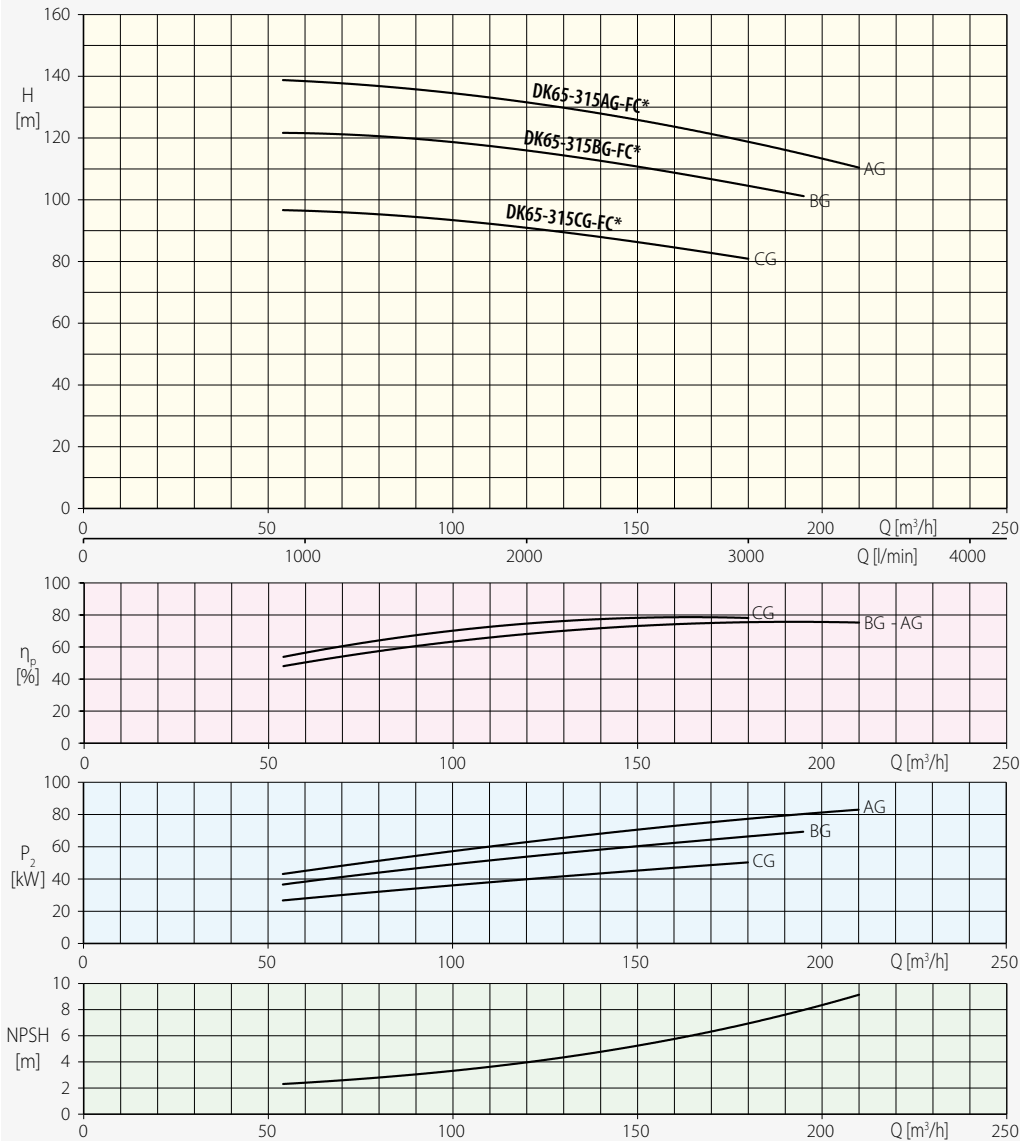
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

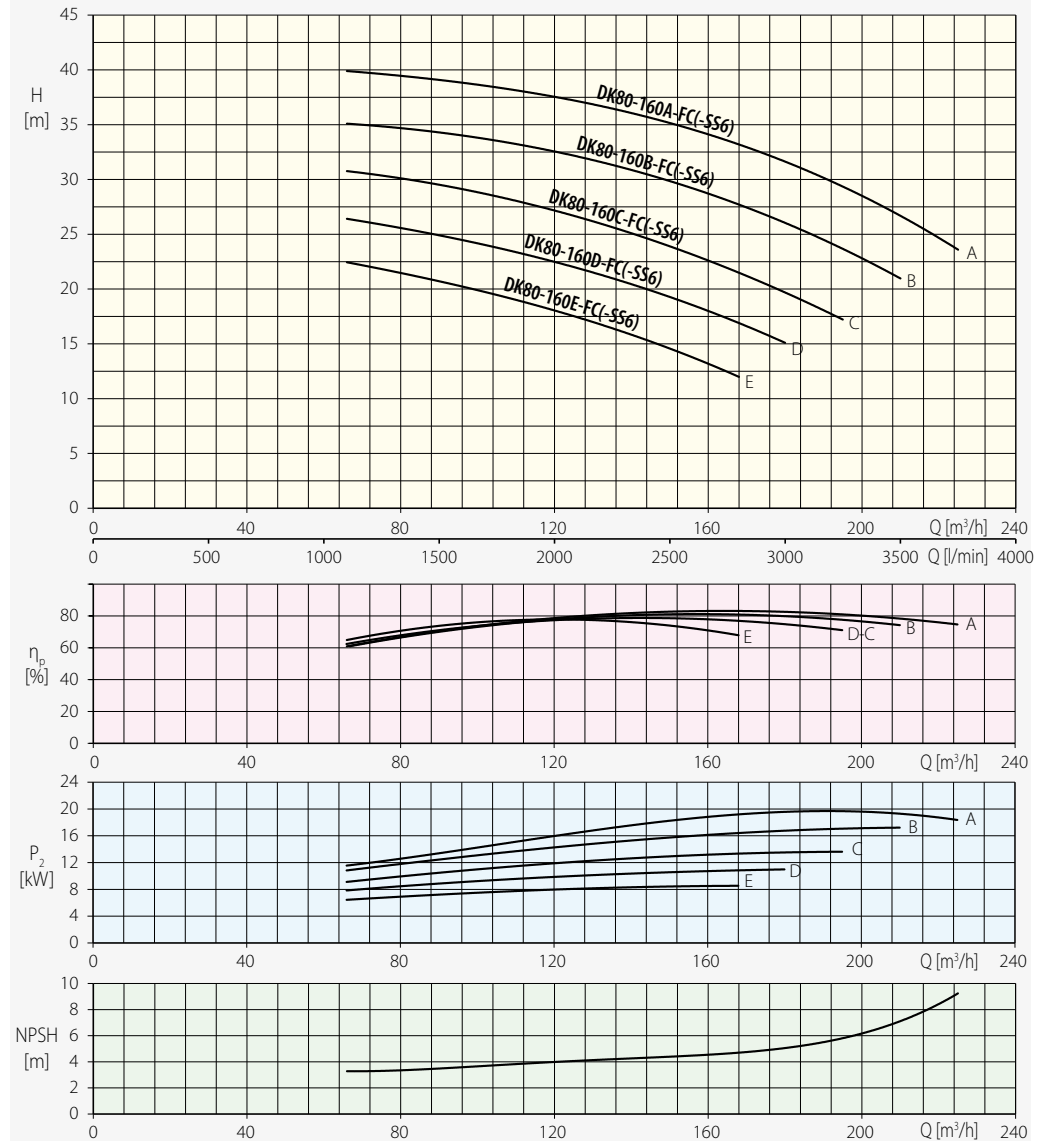
• Tolerances according to ISO 9906 Grade 3B

2 POLE

65-315



80-160



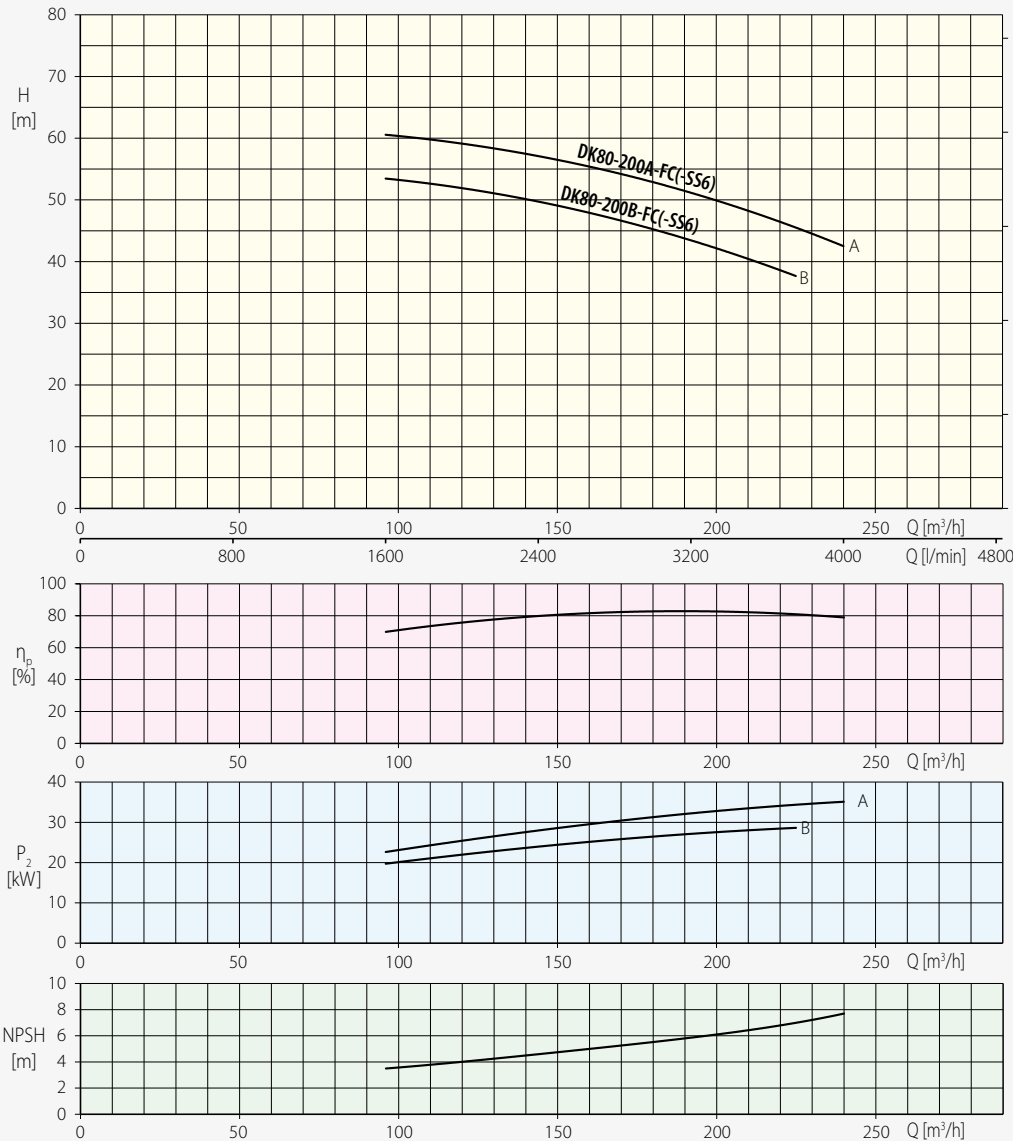
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

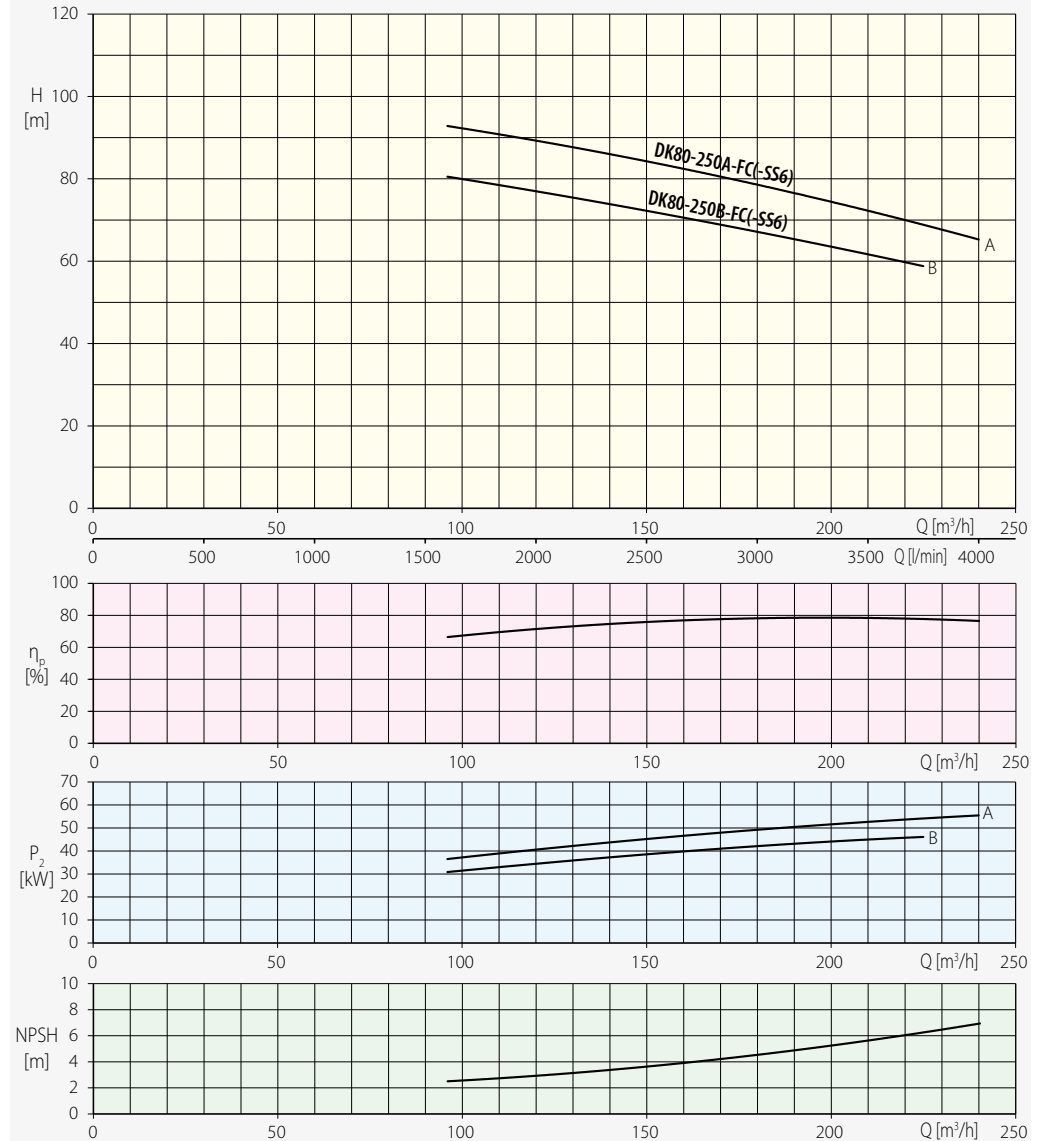
• Tolerances according to ISO 9906 Grade 3B

2 POLE

80-200



80-250



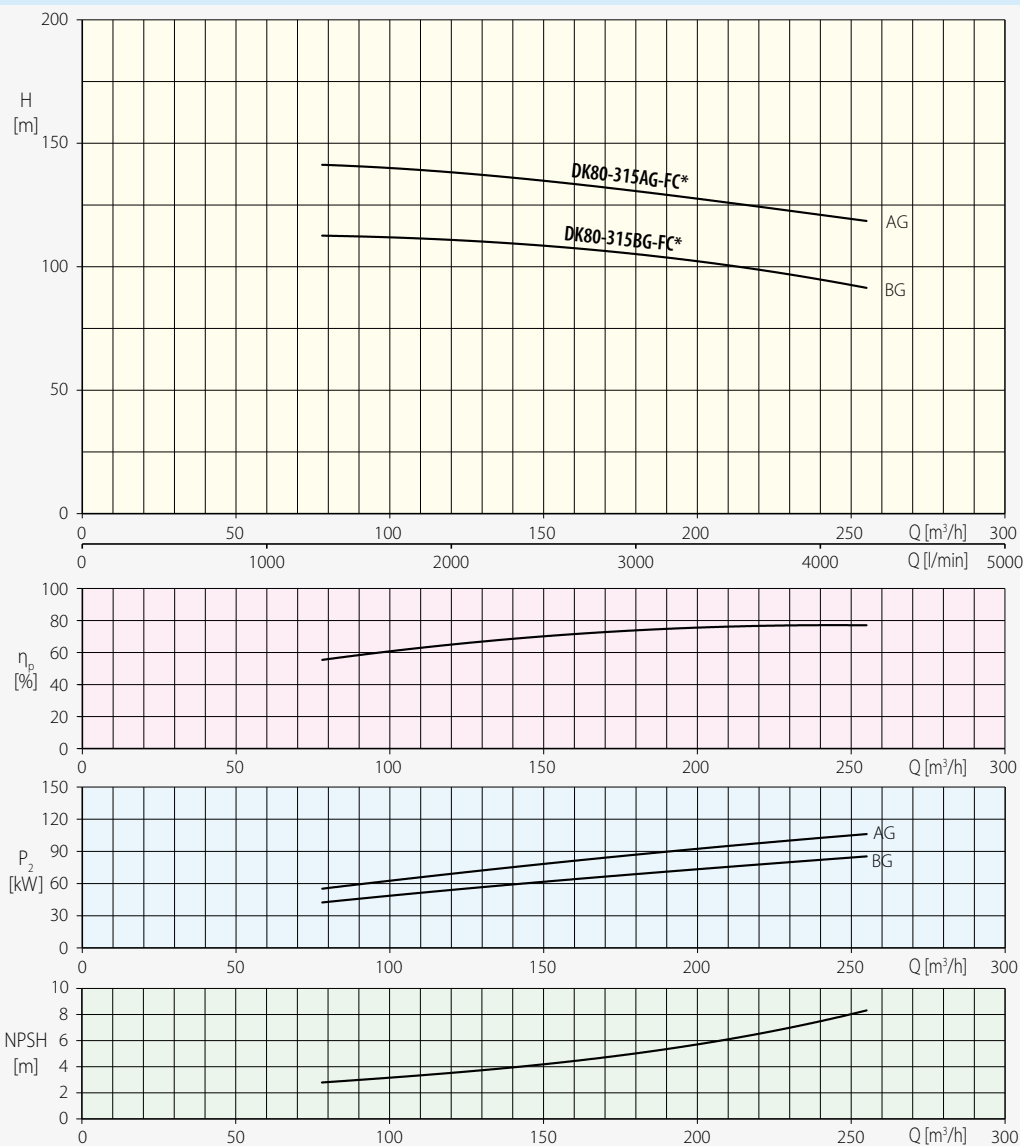
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

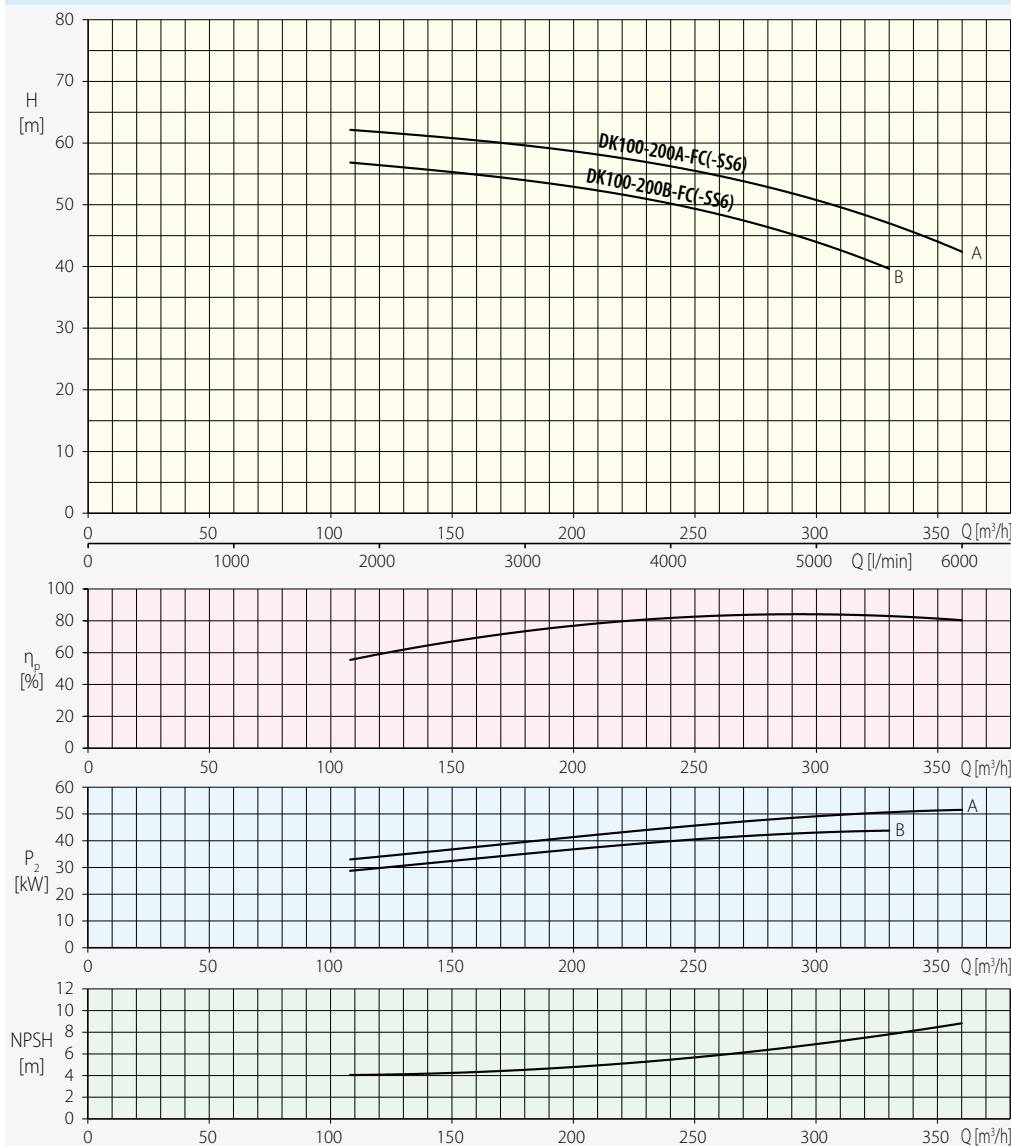
• Tolerances according to ISO 9906 Grade 3B

2 POLE

80-315



100-200



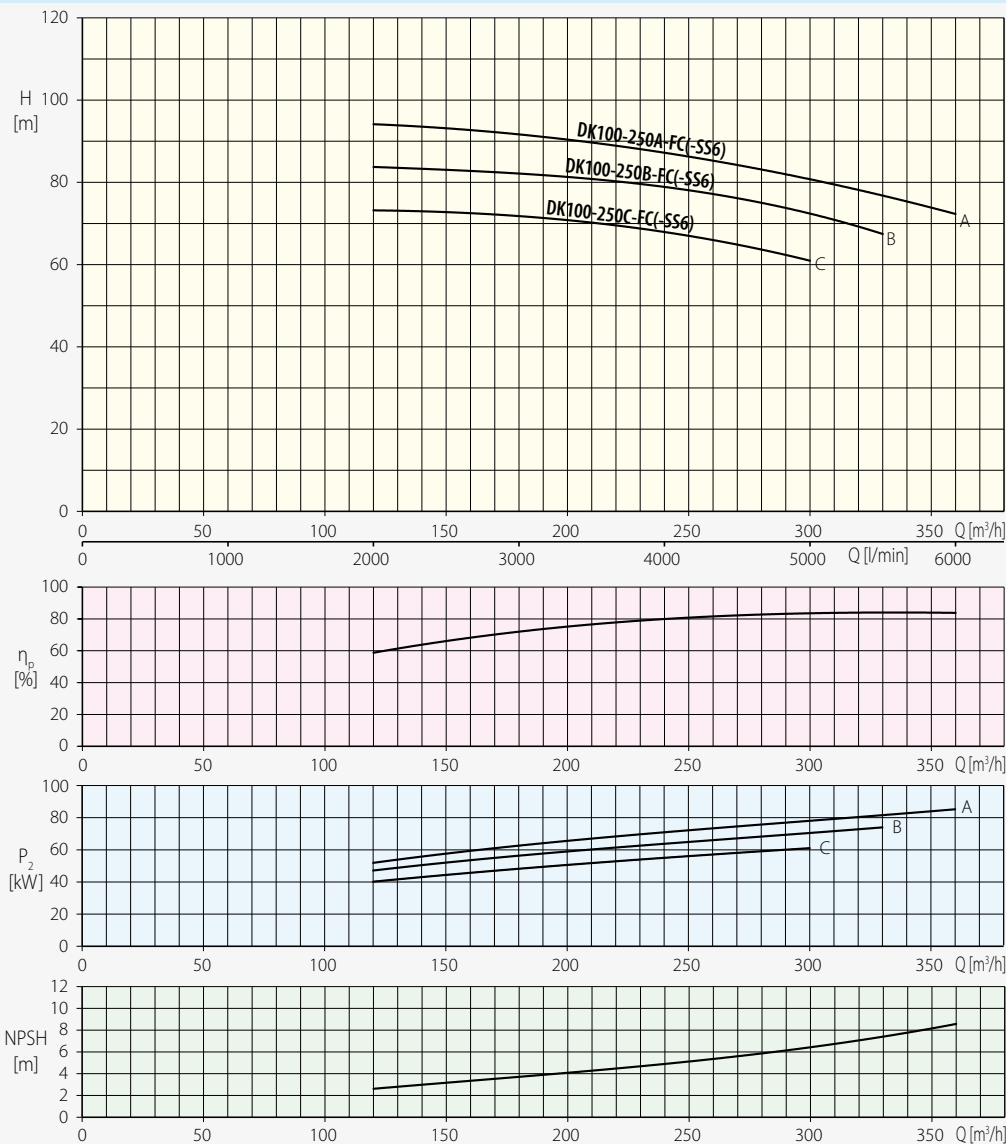
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

2 POLE

100-250



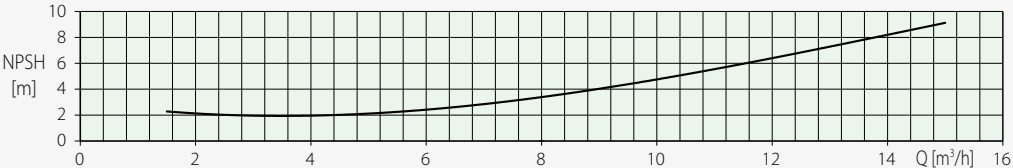
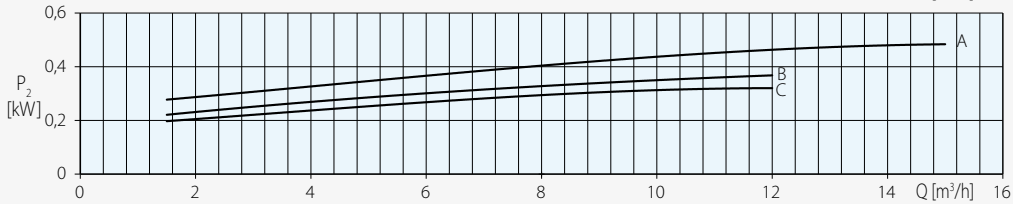
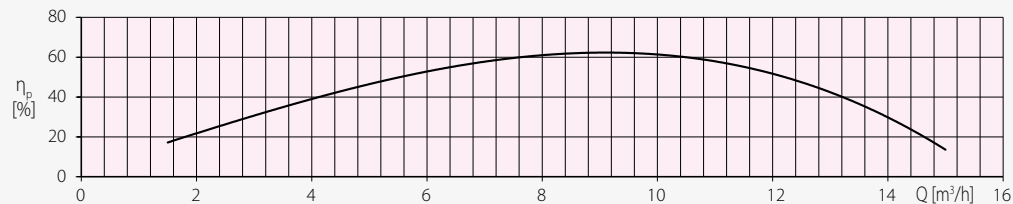
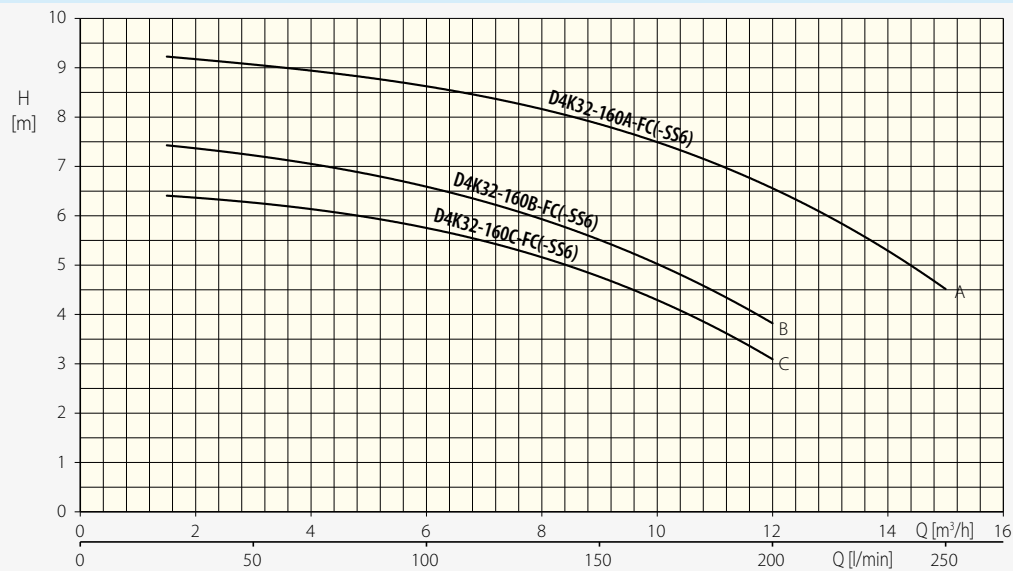
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

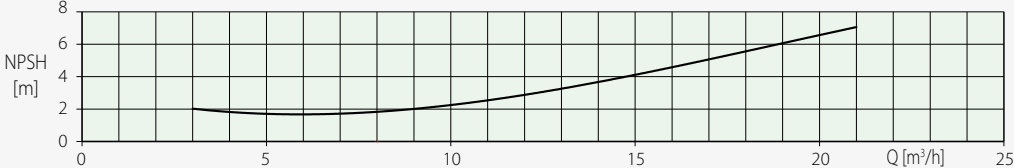
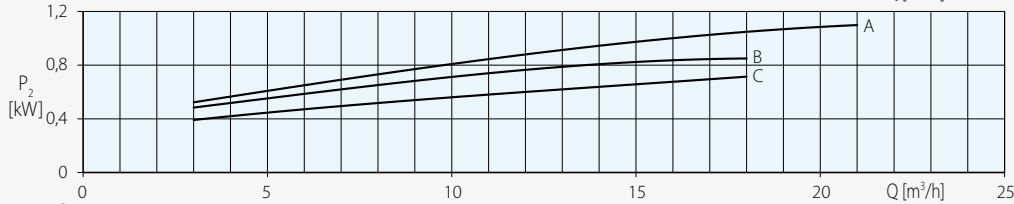
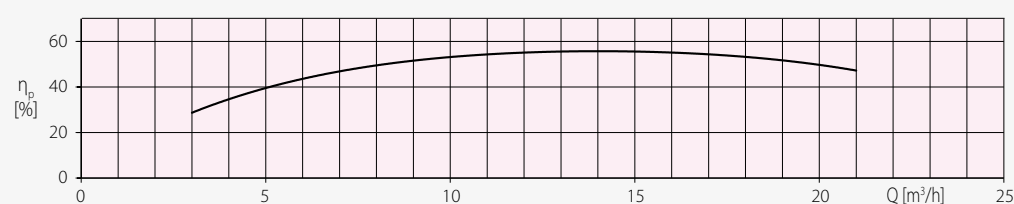
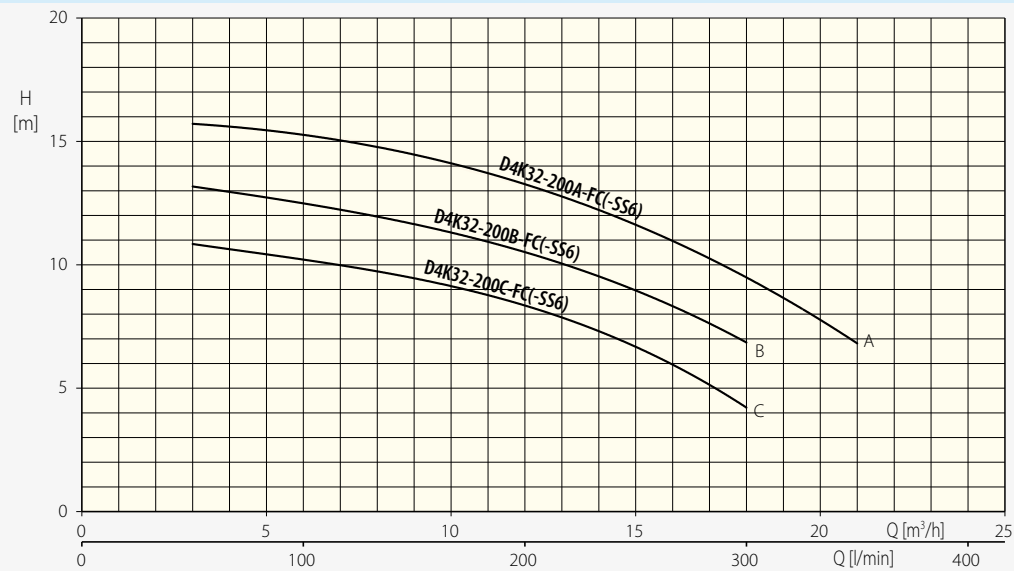
• Tolerances according to ISO 9906 Grade 3B

4 POLE

32-160



32-200



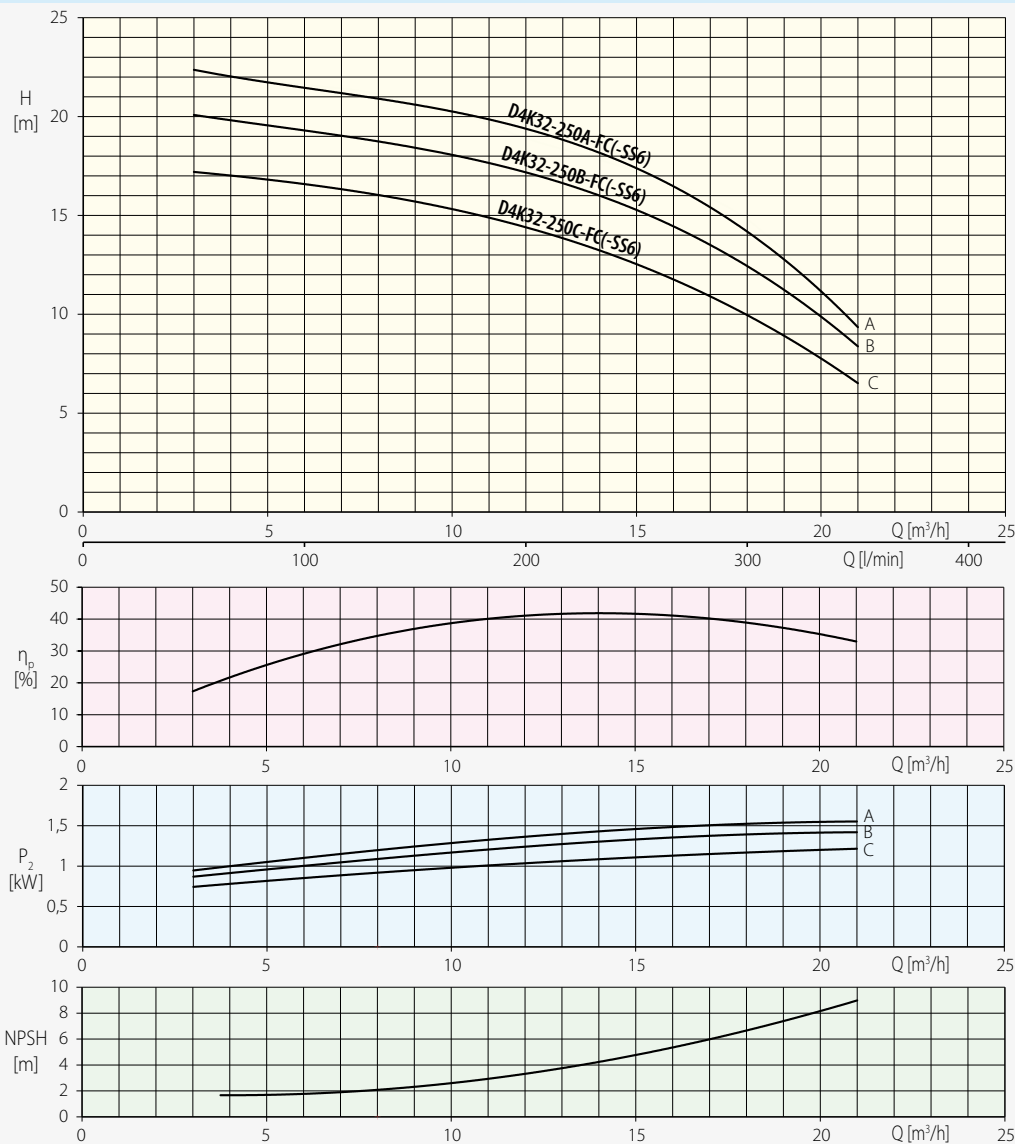
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

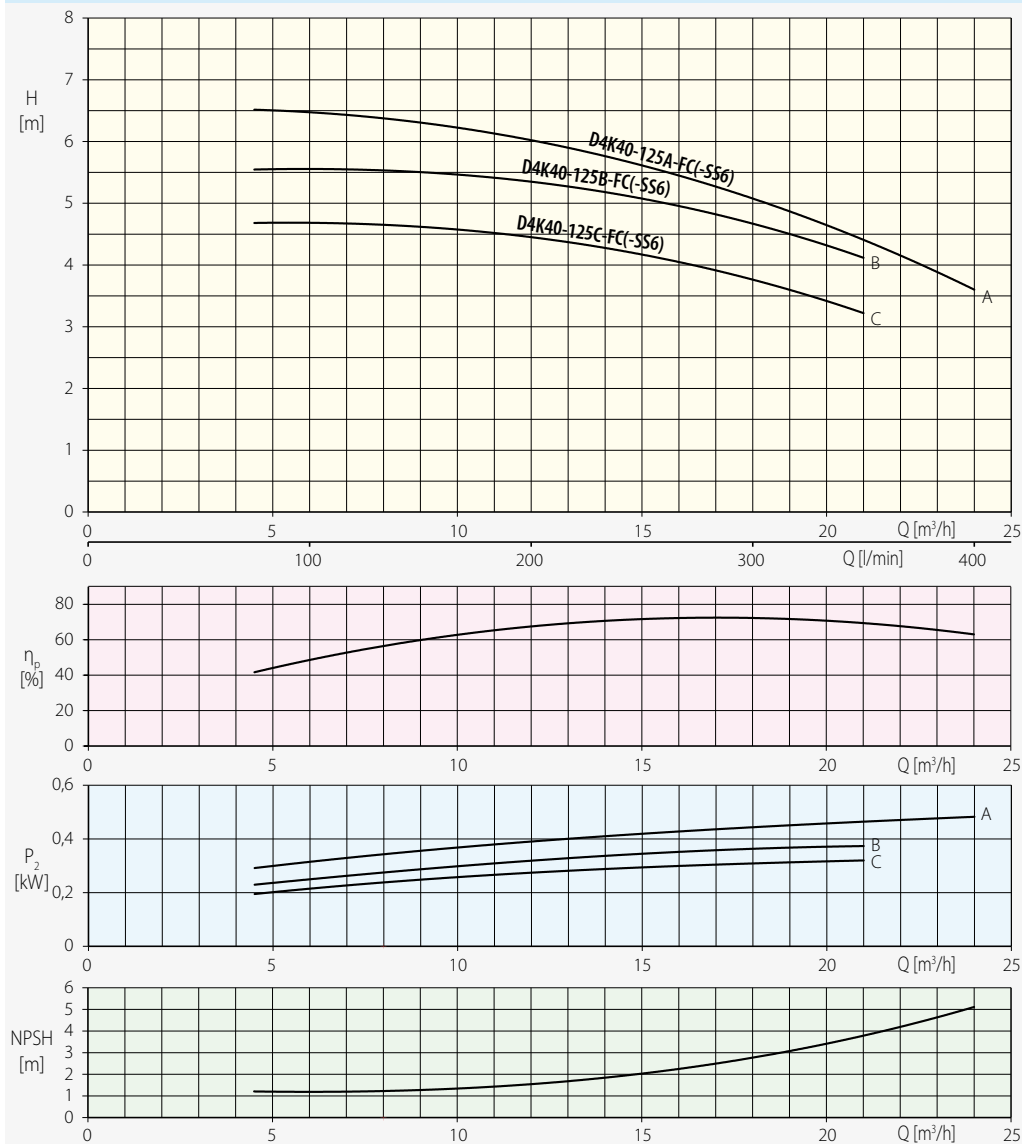
• Tolerances according to ISO 9906 Grade 3B

4 POLE

32-250



40-125



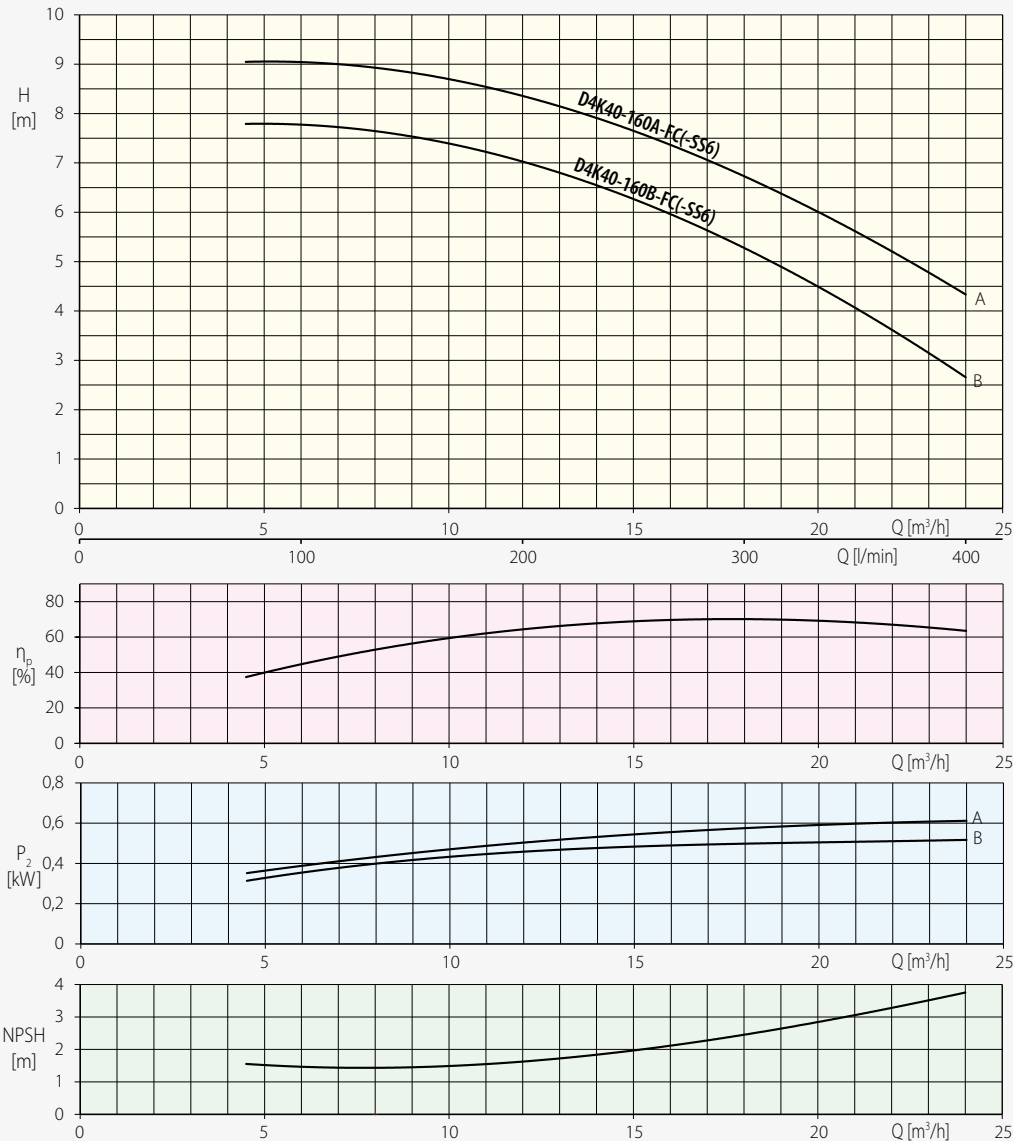
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

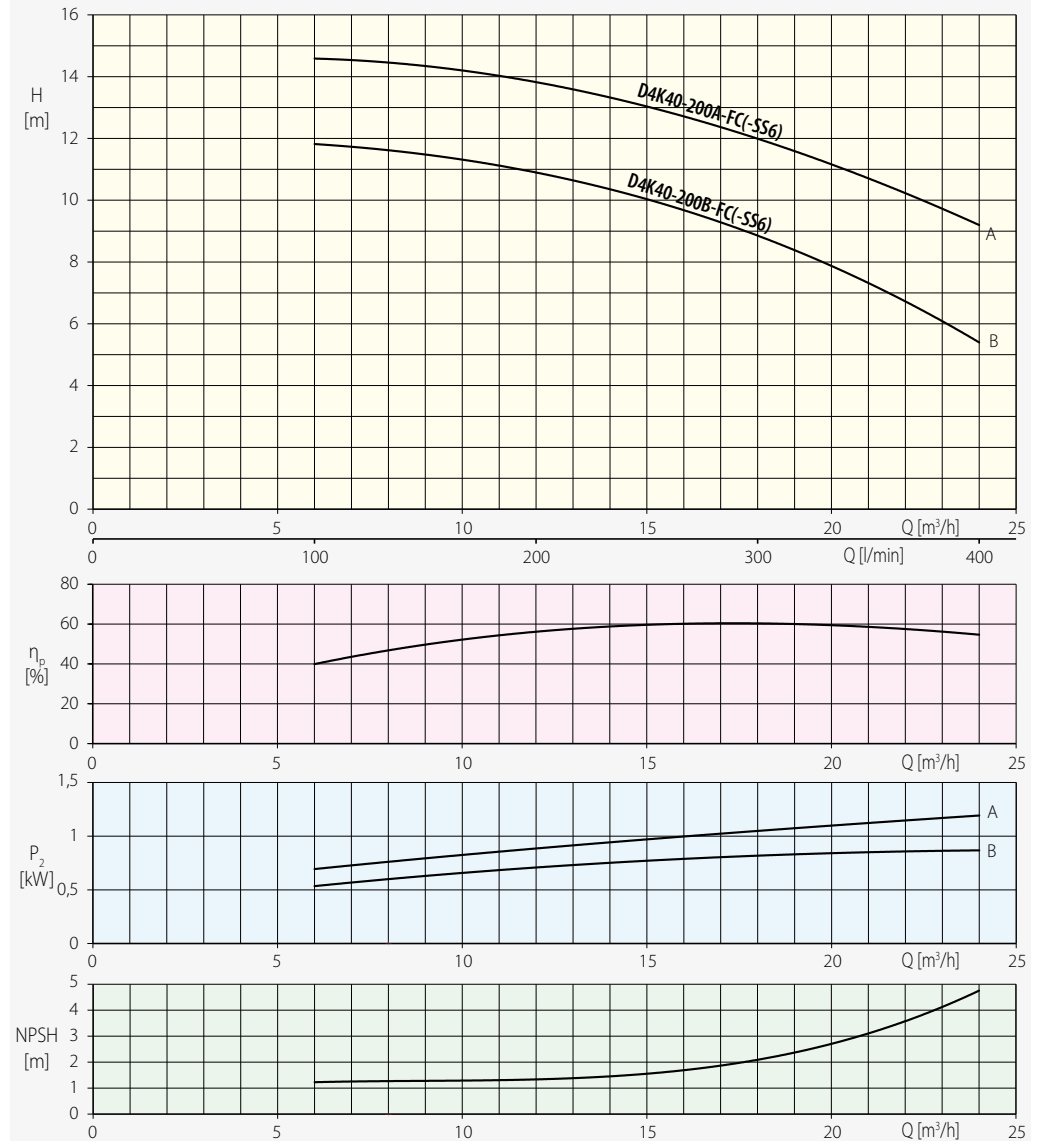
• Tolerances according to ISO 9906 Grade 3B

4 POLE

40-160



40-200



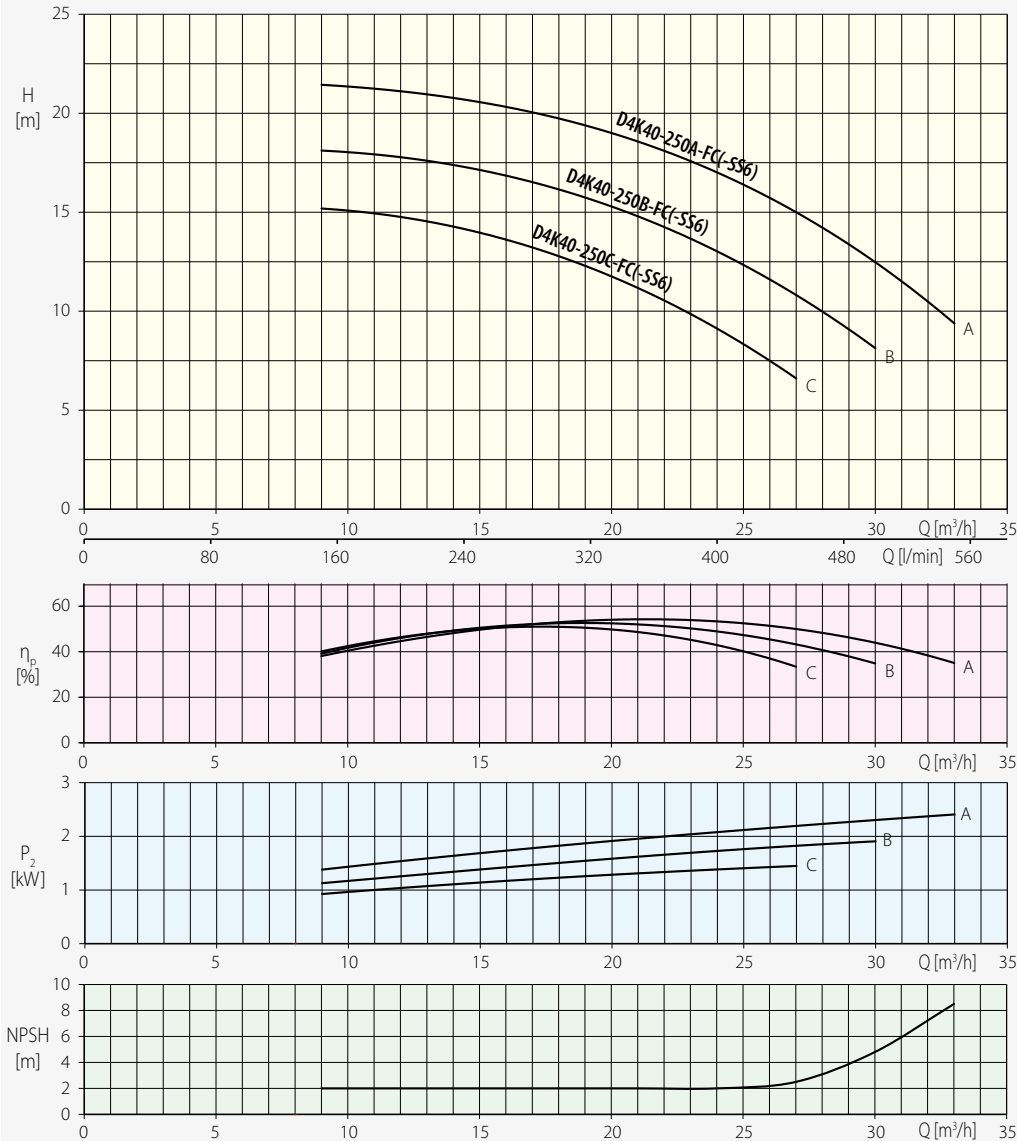
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

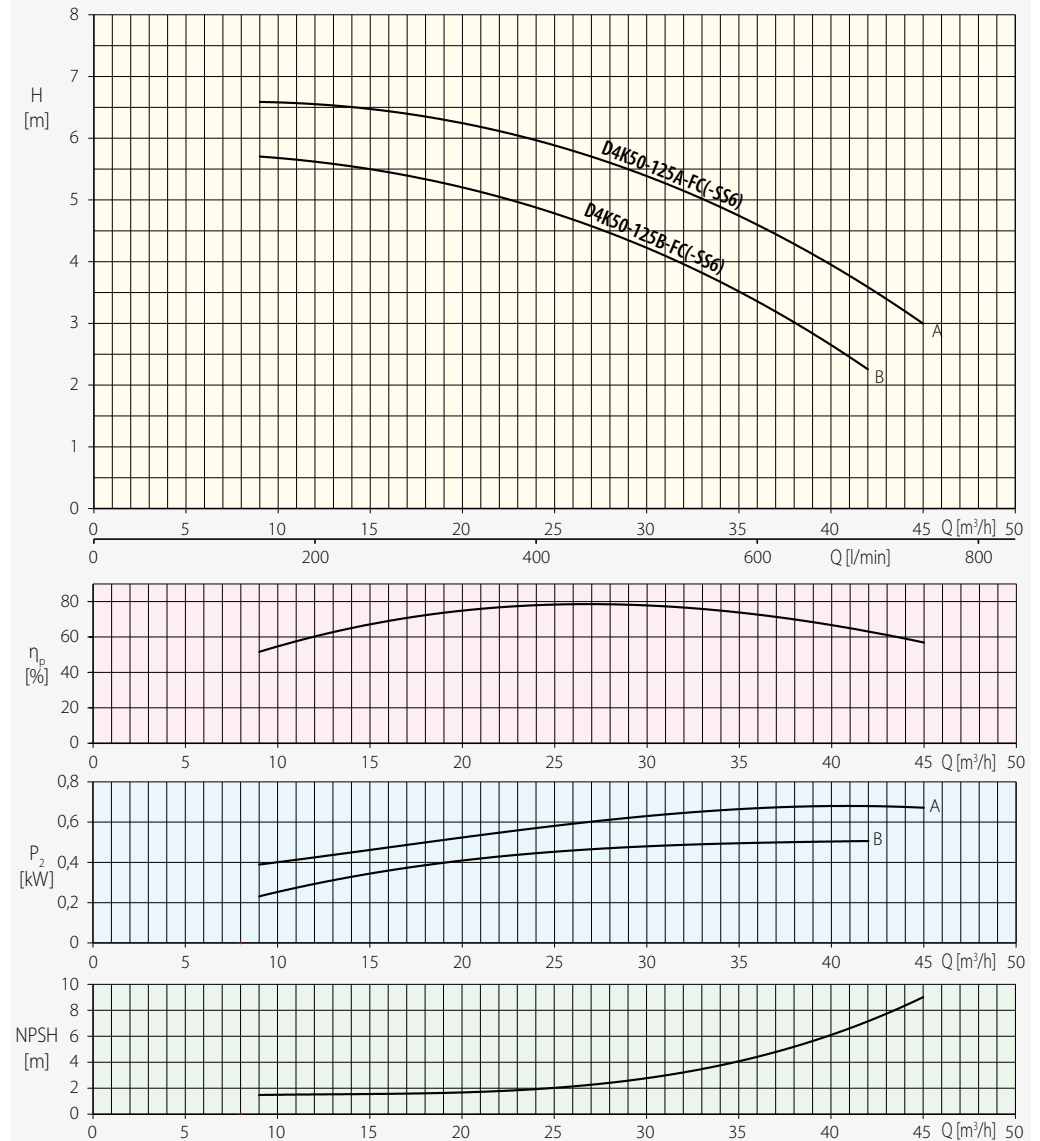
• Tolerances according to ISO 9906 Grade 3B

4 POLE

40-250



50-125



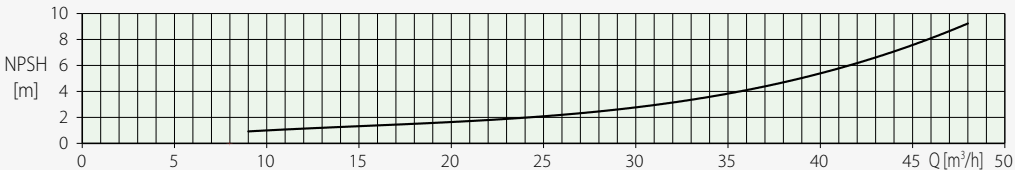
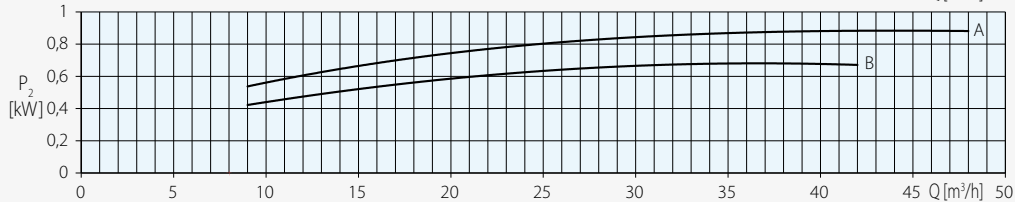
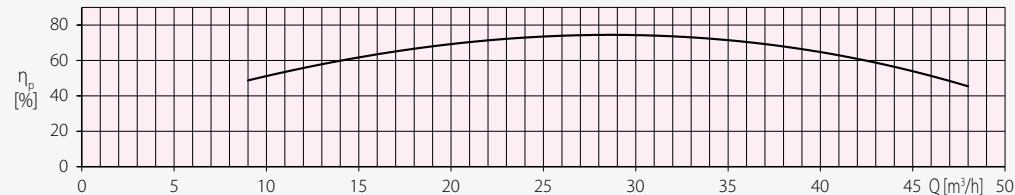
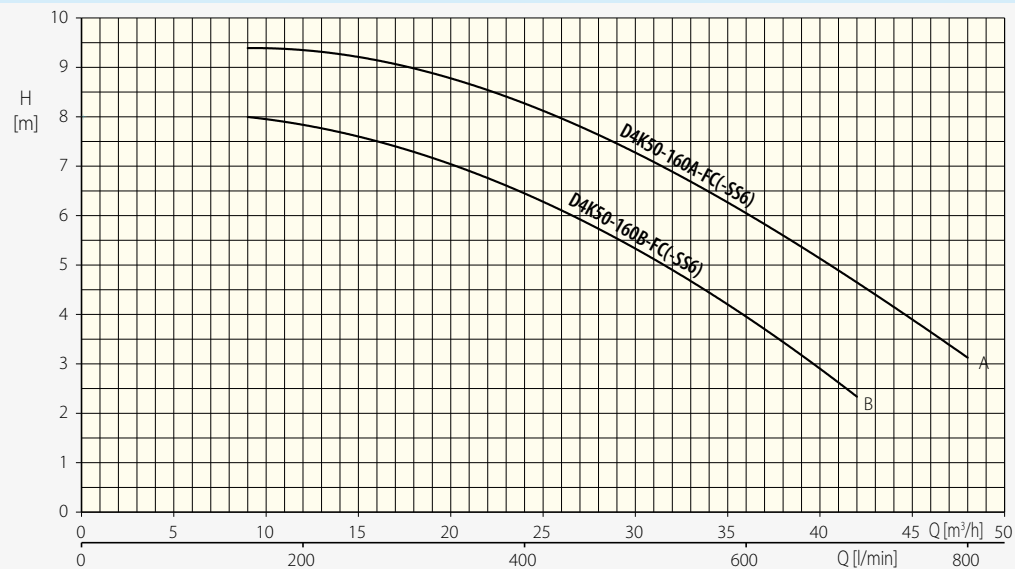
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

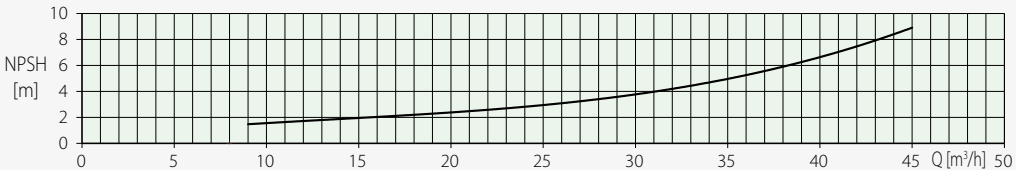
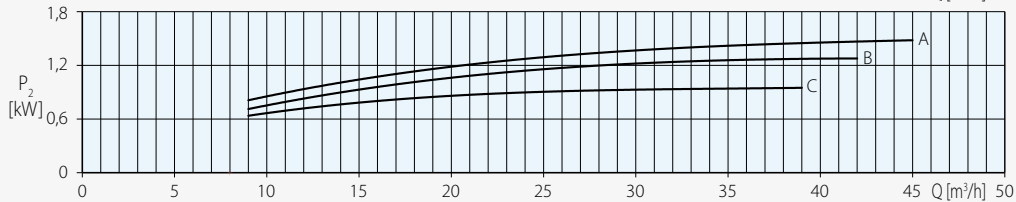
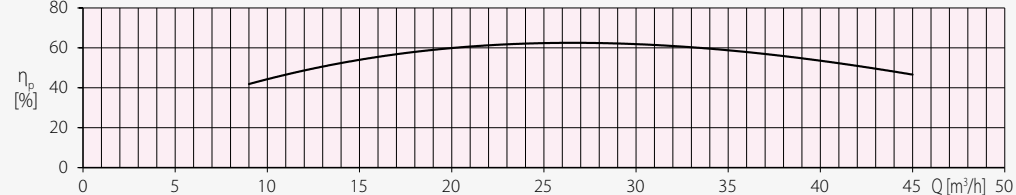
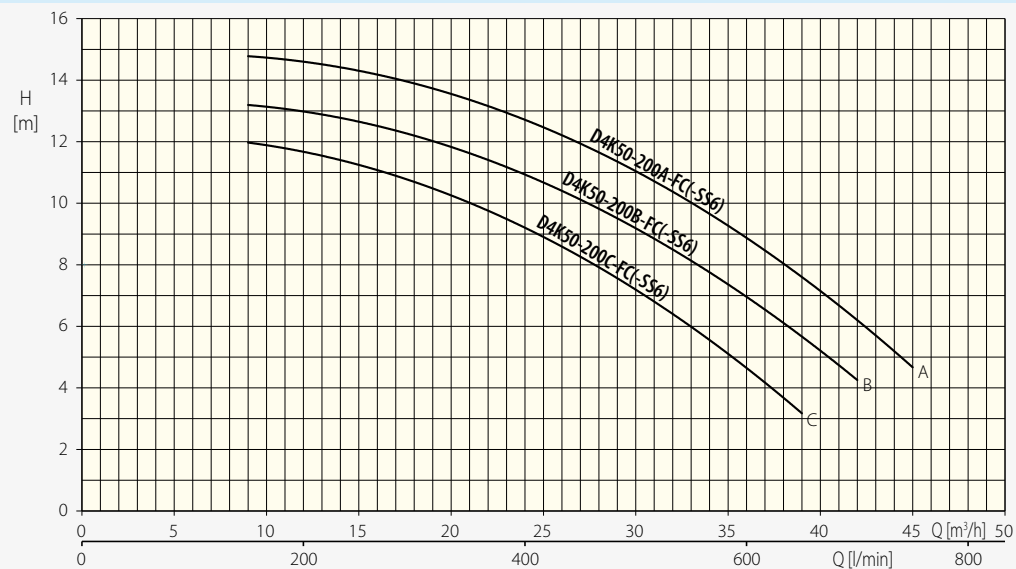
• Tolerances according to ISO 9906 Grade 3B

4 POLE

50-160



50-200



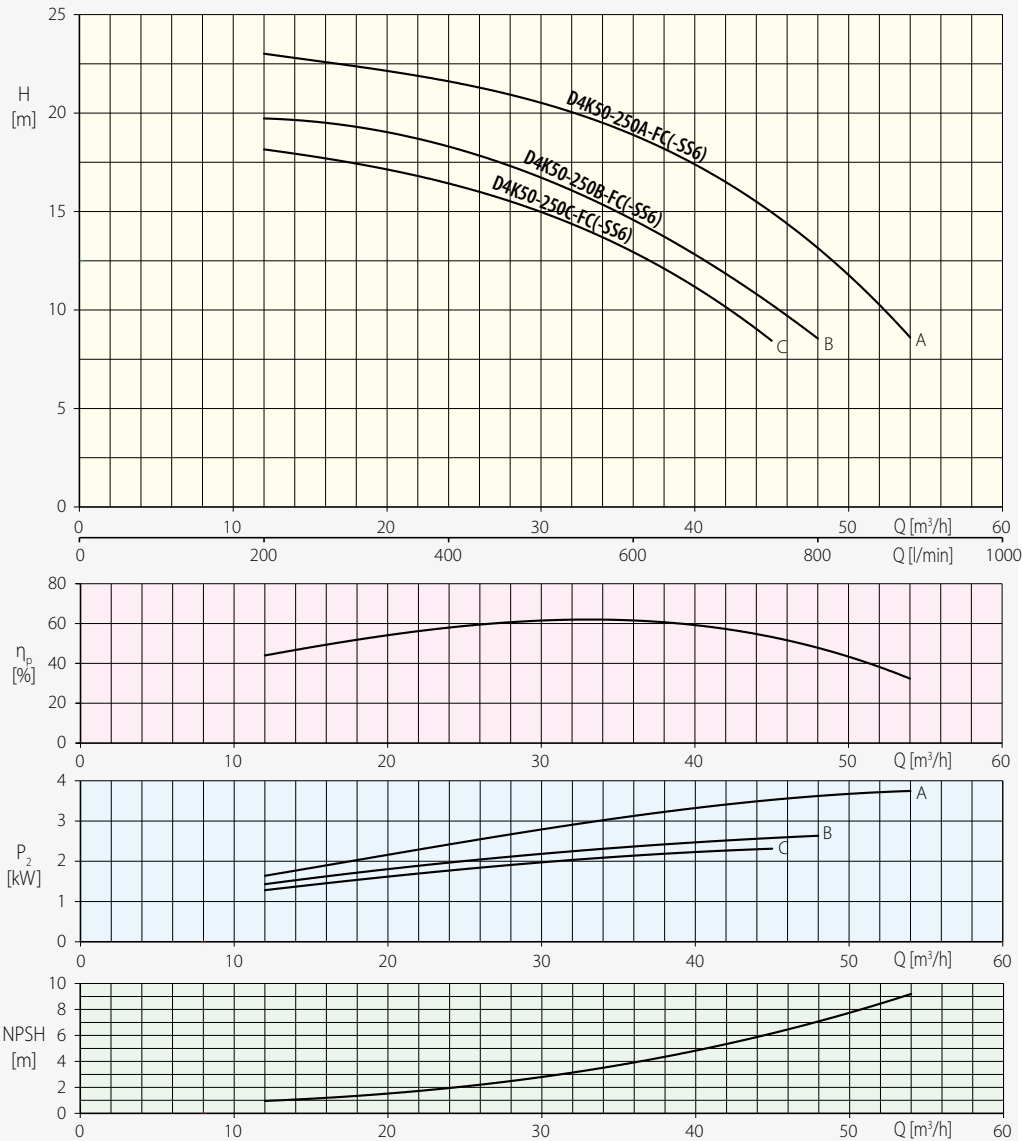
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

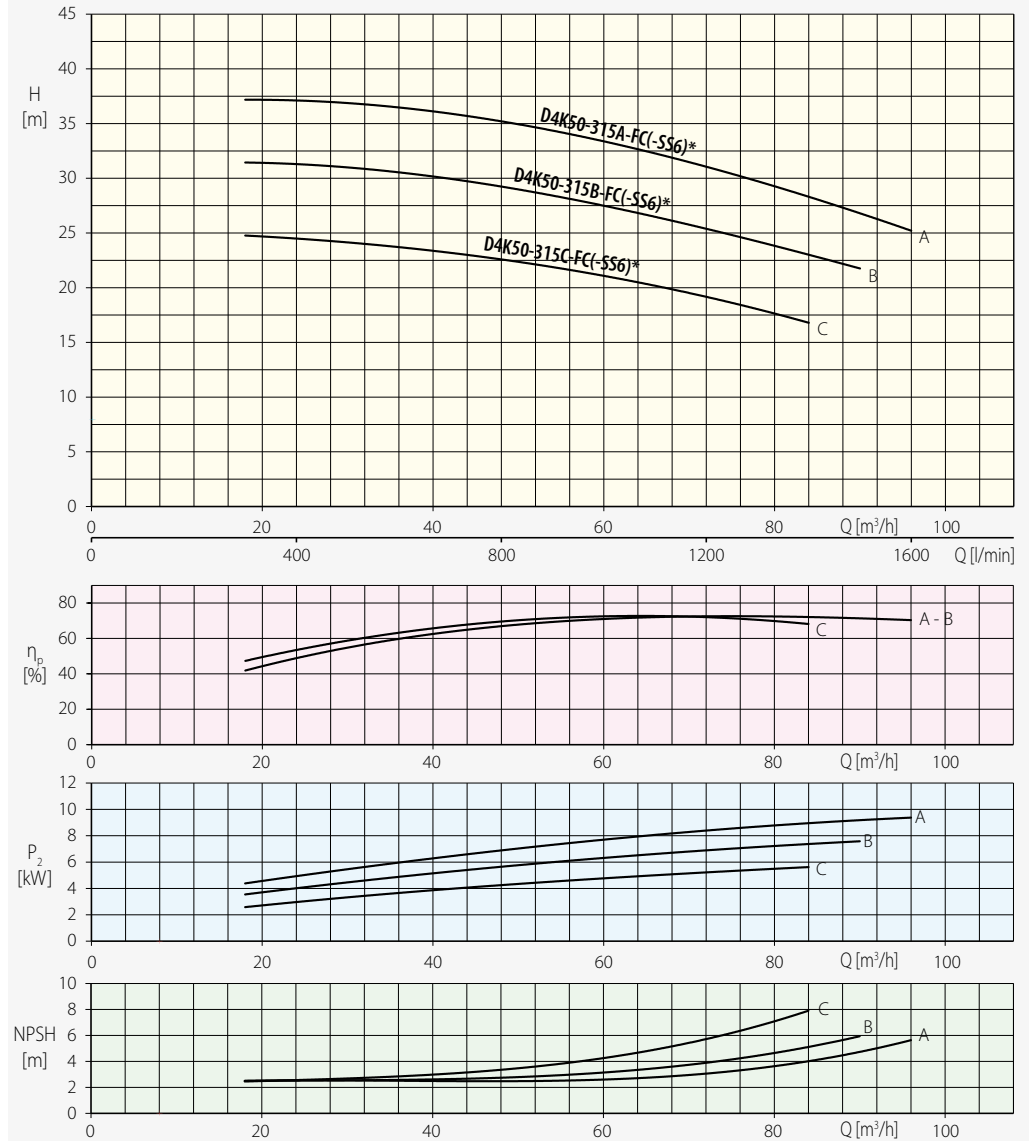
• Tolerances according to ISO 9906 Grade 3B

4 POLE

50-250



50-315



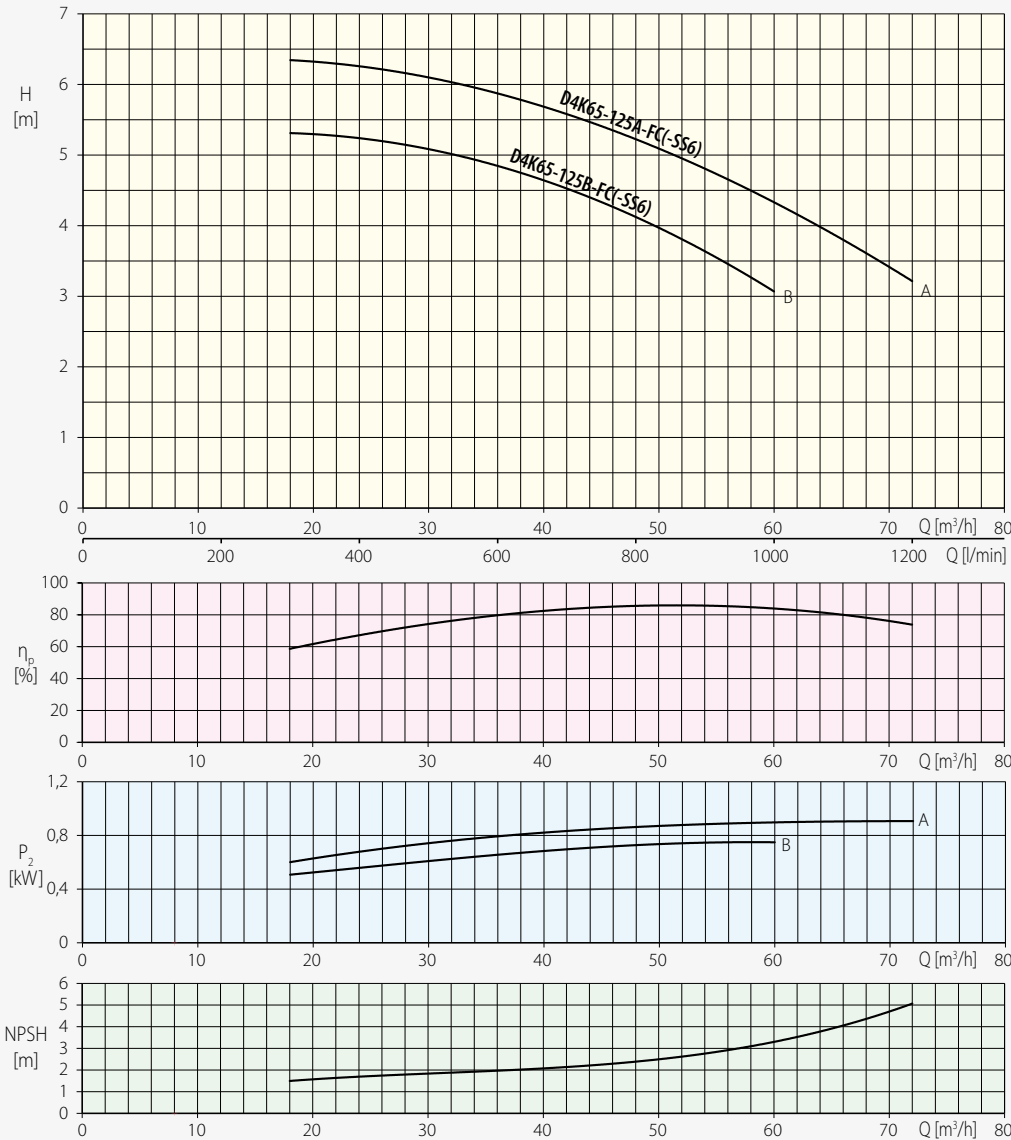
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

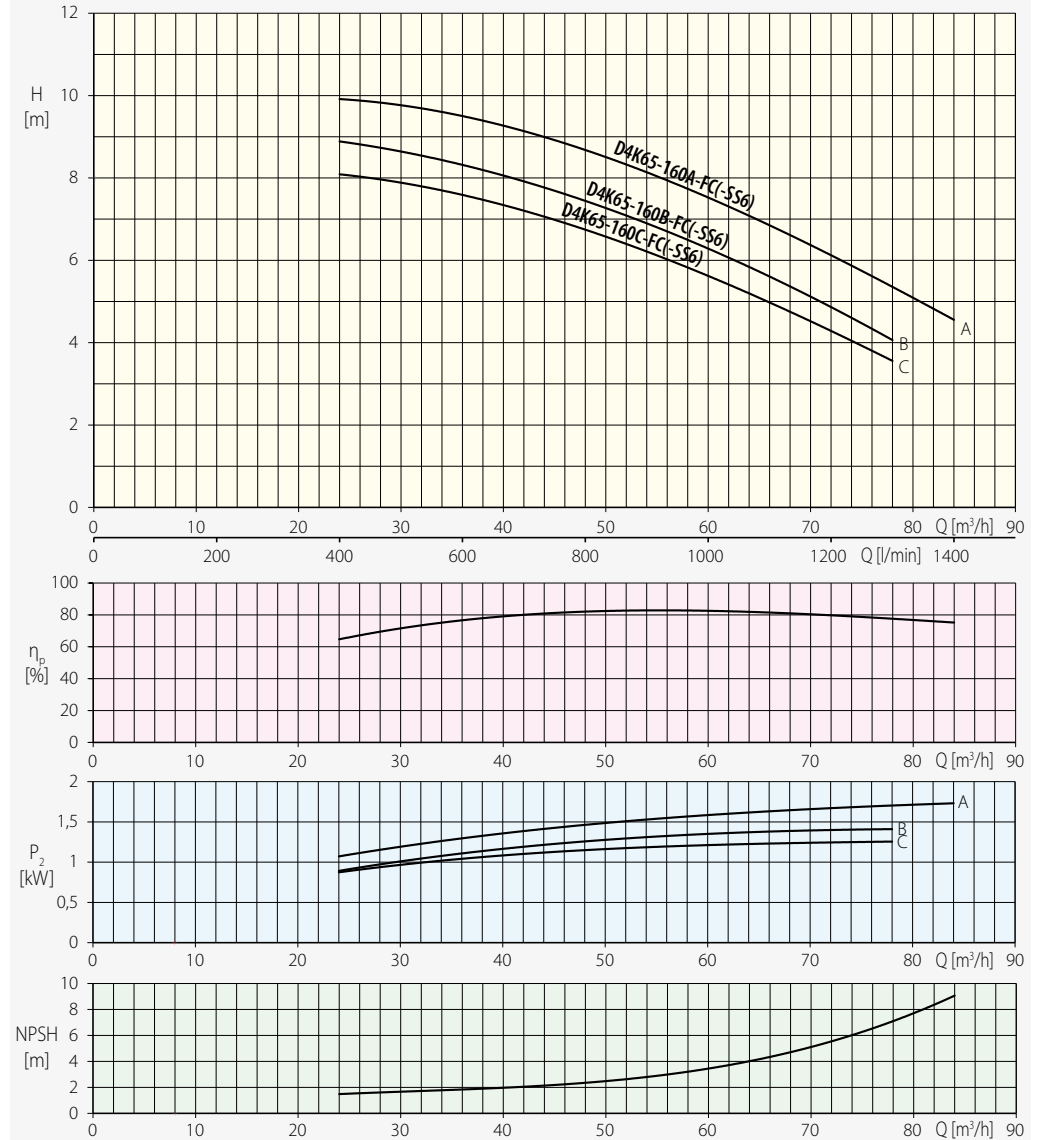
• Tolerances according to ISO 9906 Grade 3B

4 POLE

65-125



65-160



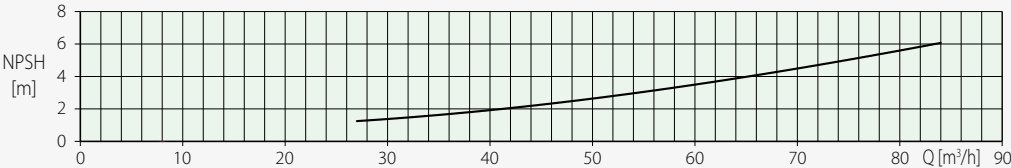
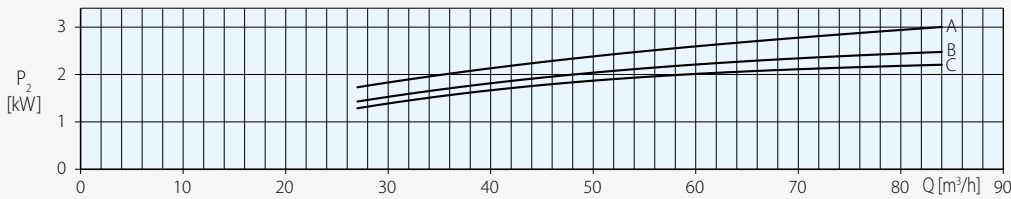
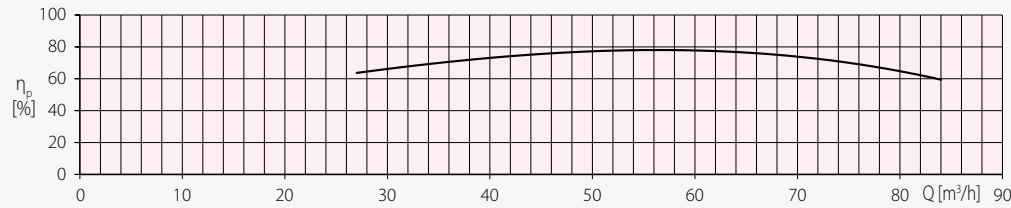
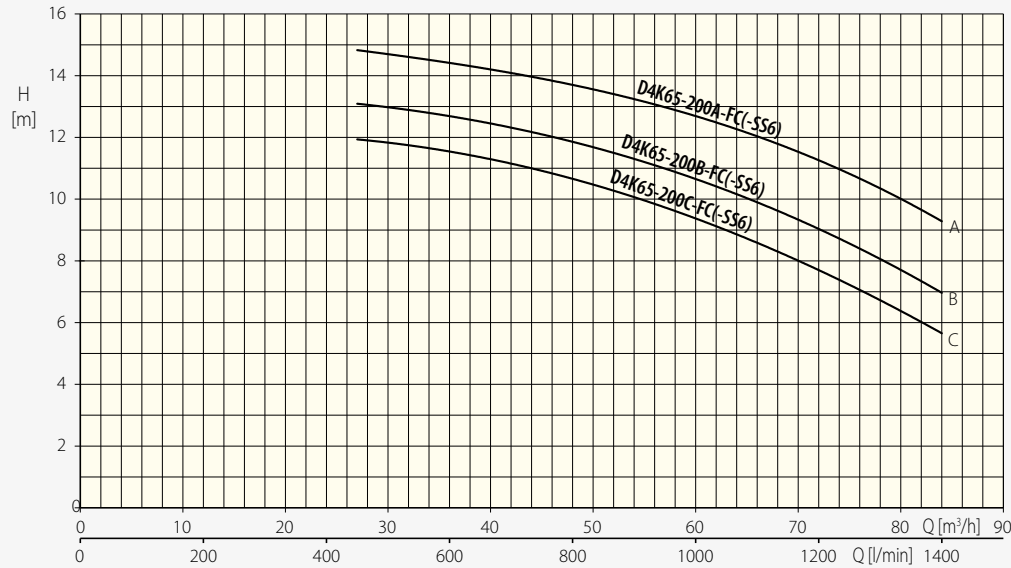
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

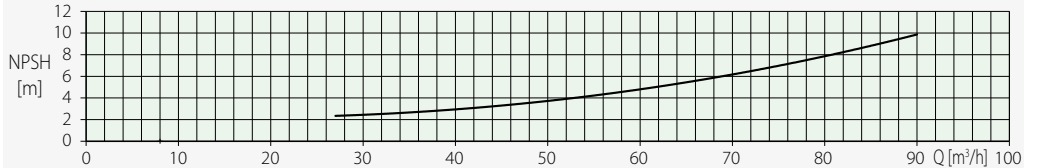
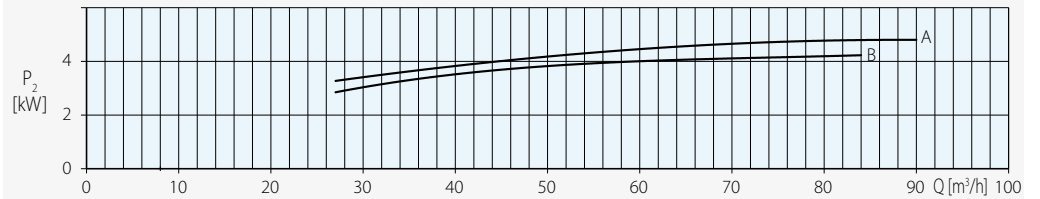
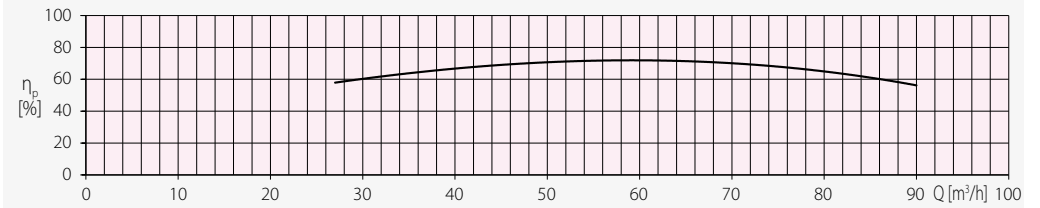
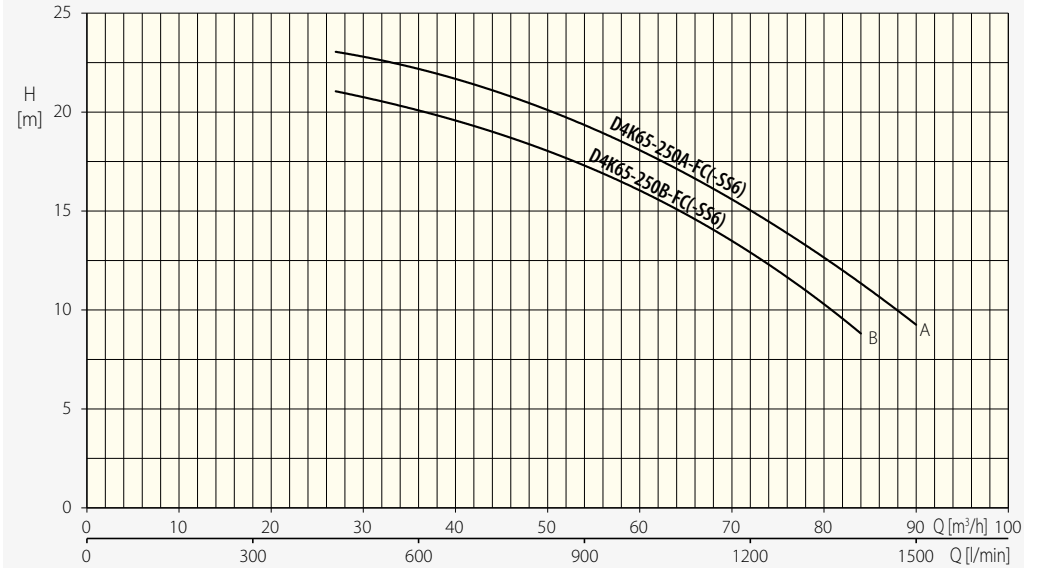
• Tolerances according to ISO 9906 Grade 3B

4 POLE

65-200



65-250



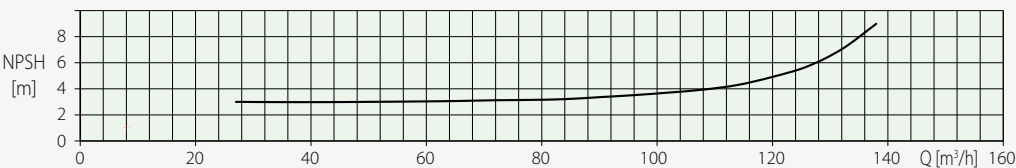
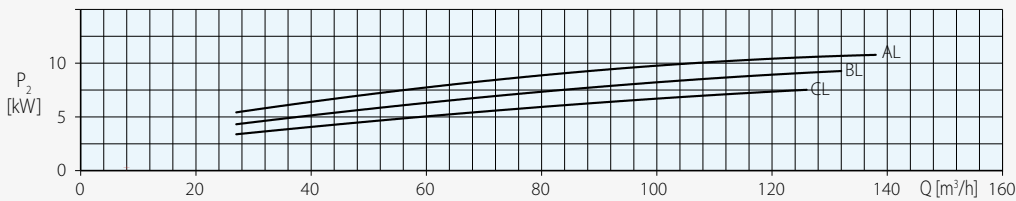
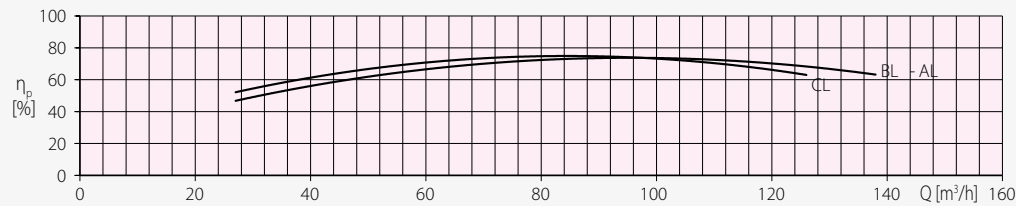
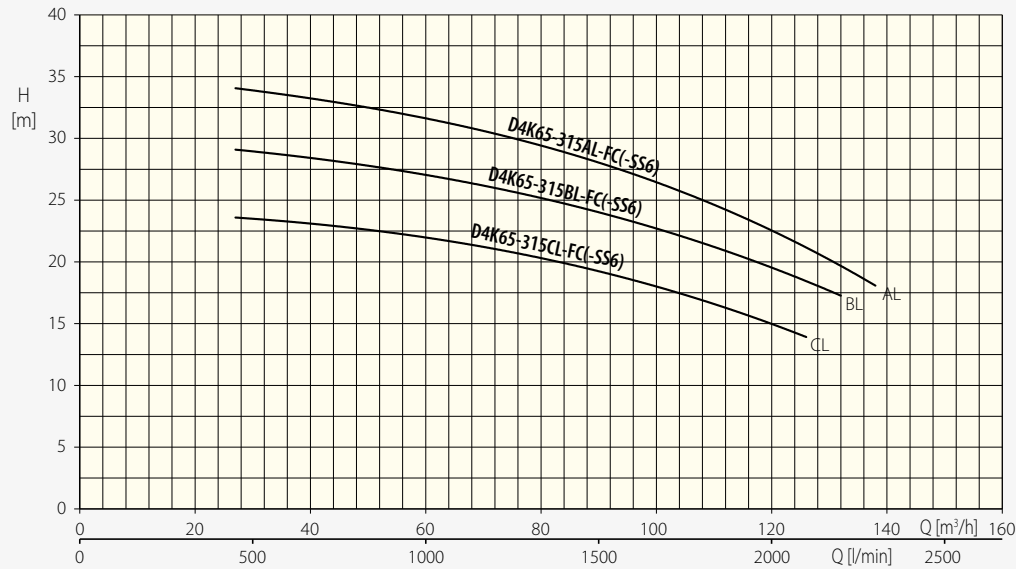
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

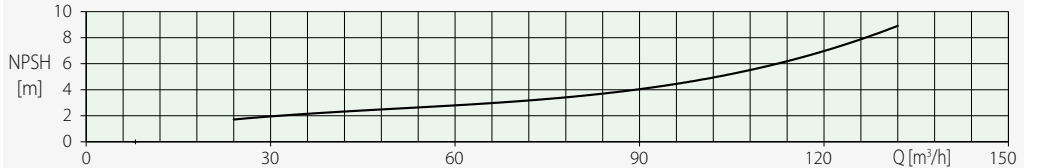
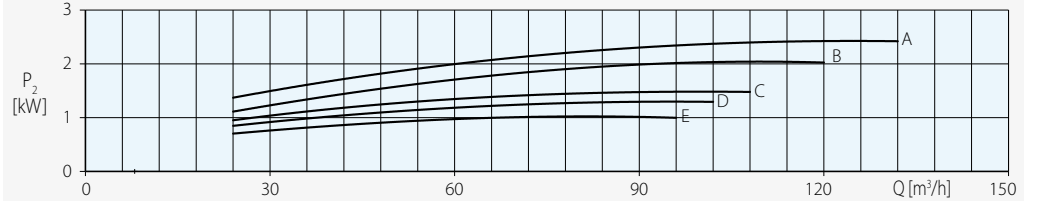
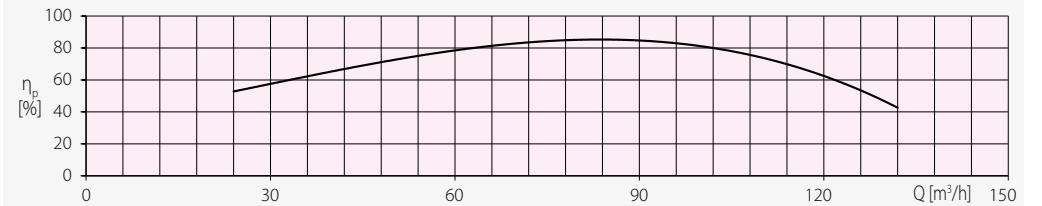
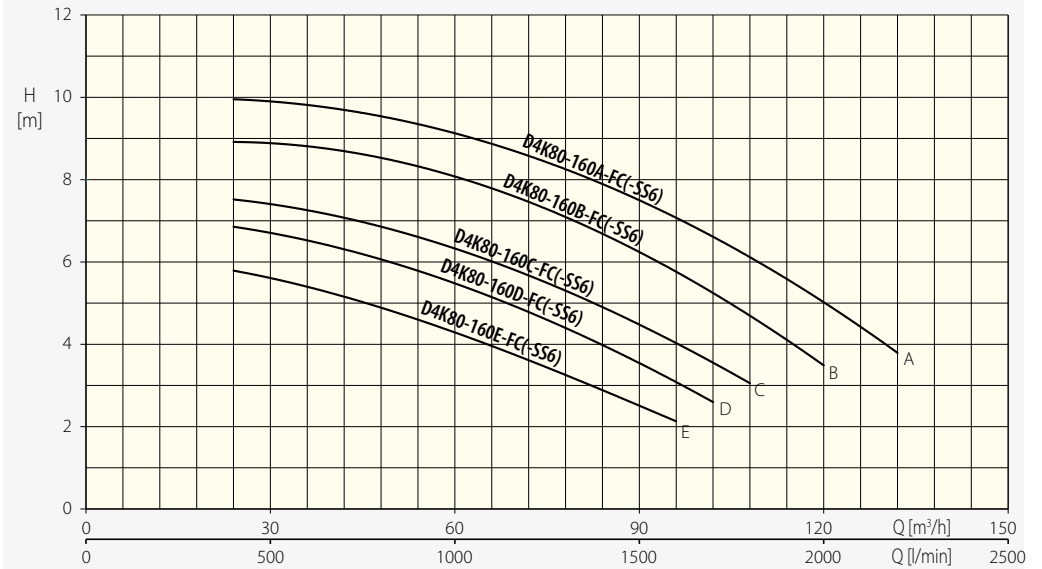
• Tolerances according to ISO 9906 Grade 3B

4 POLE

65-315



80-160



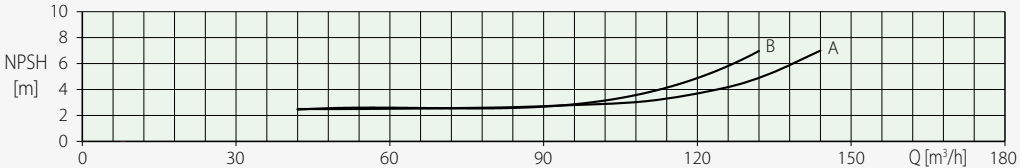
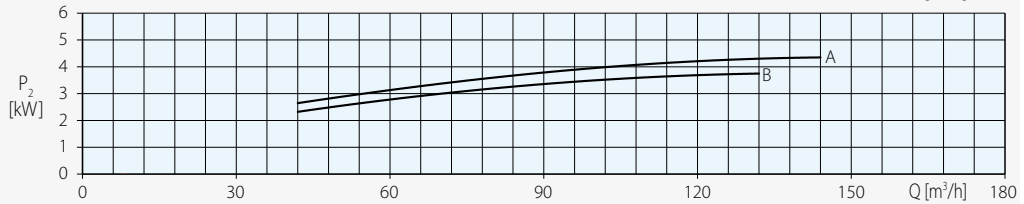
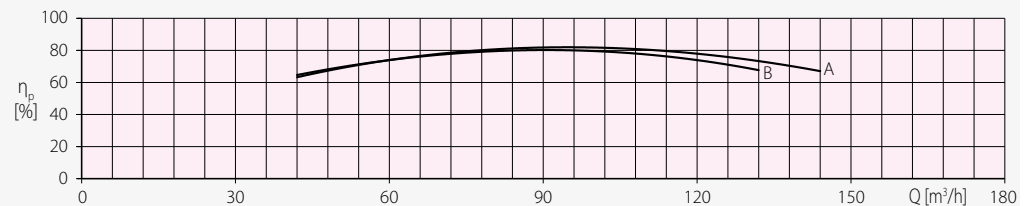
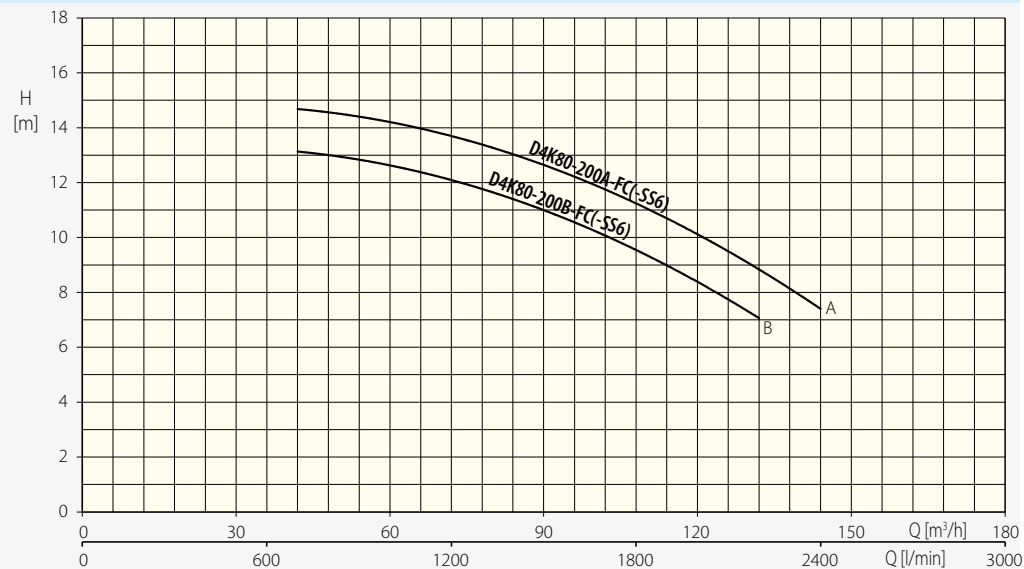
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

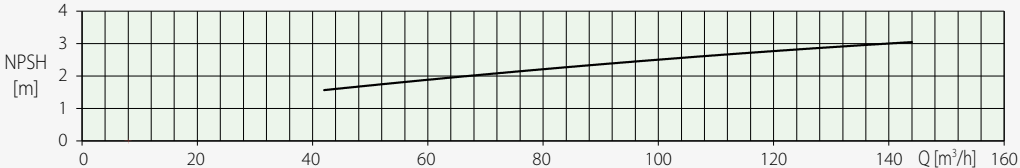
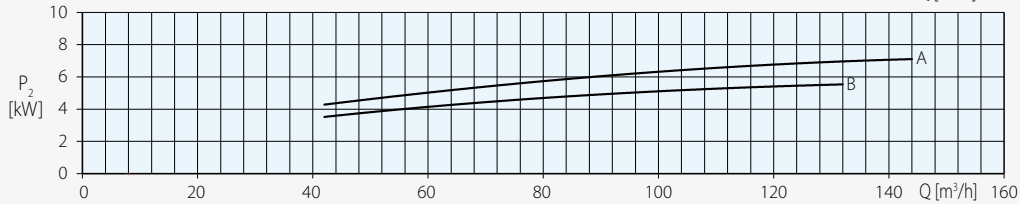
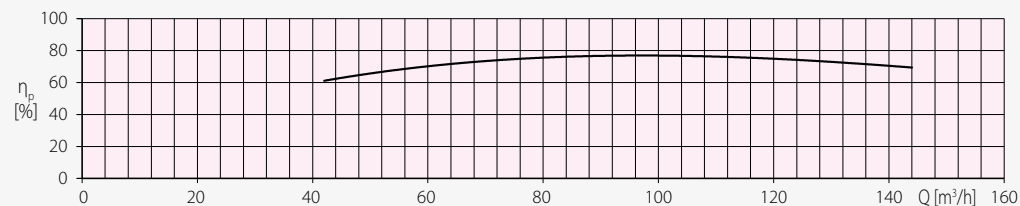
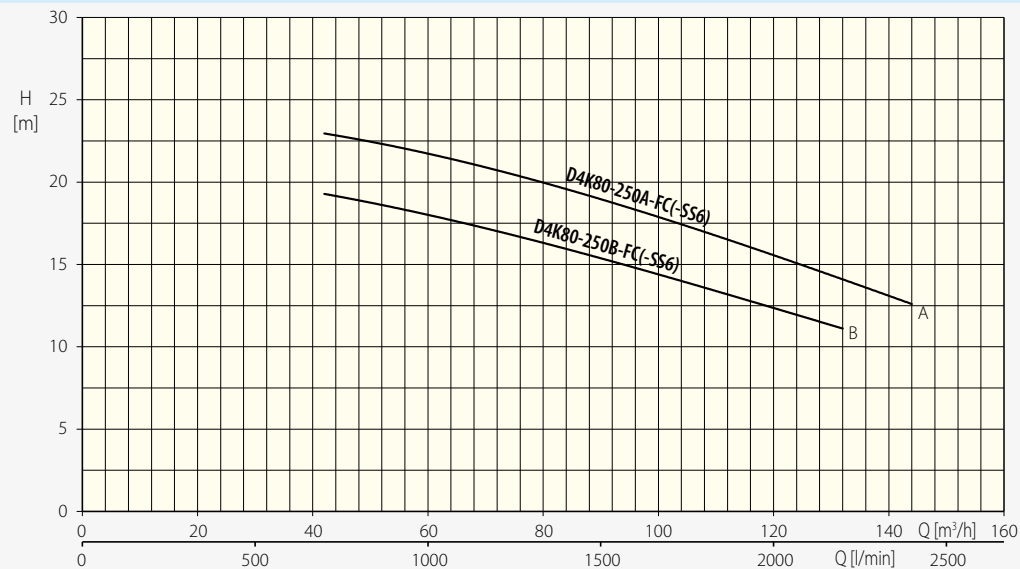
• Tolerances according to ISO 9906 Grade 3B

4 POLE

80-200



80-250



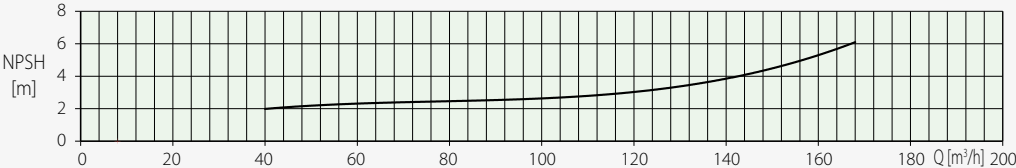
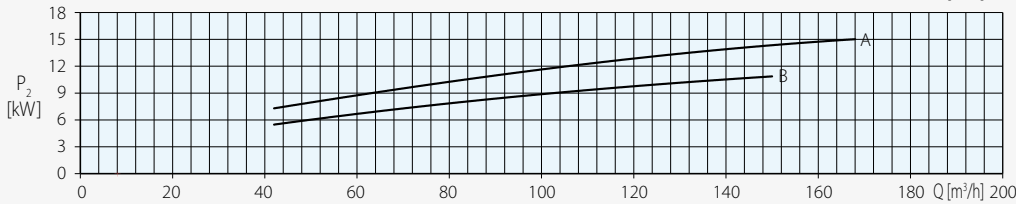
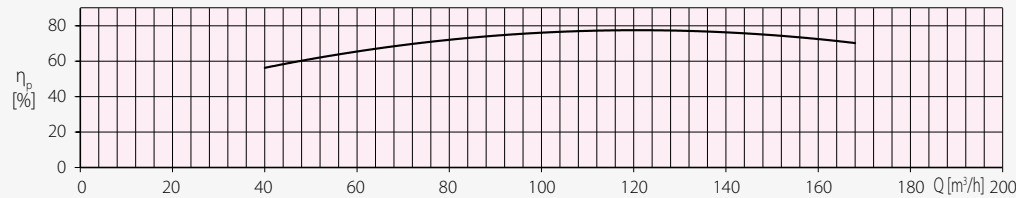
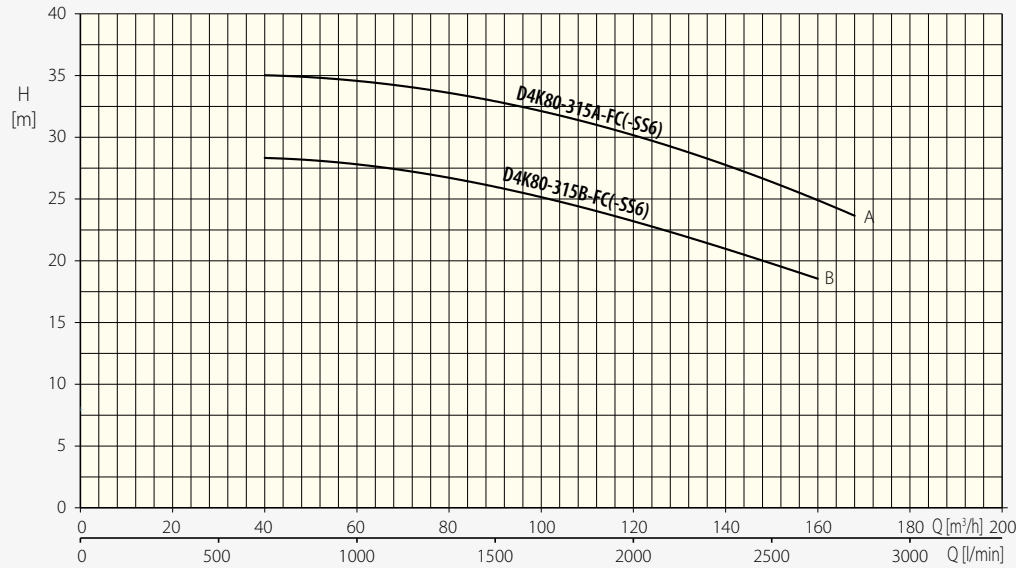
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

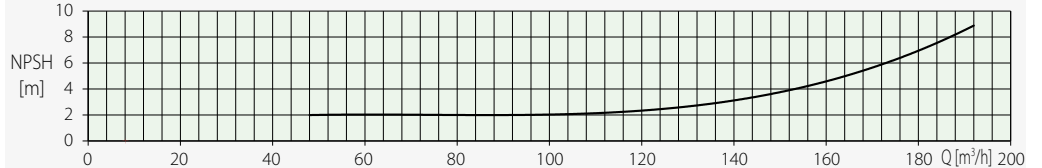
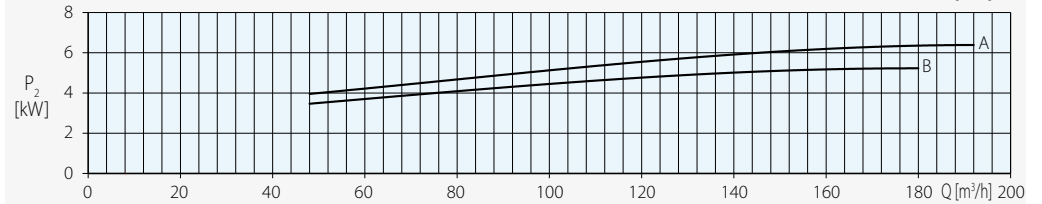
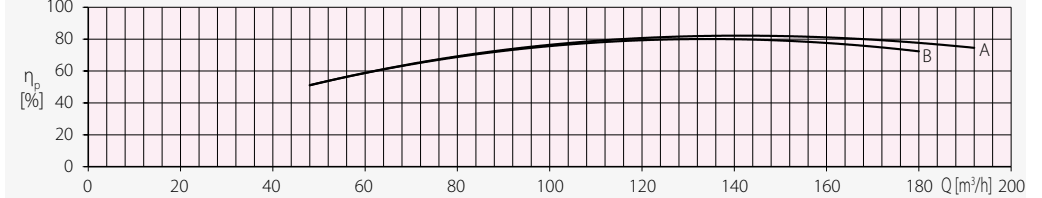
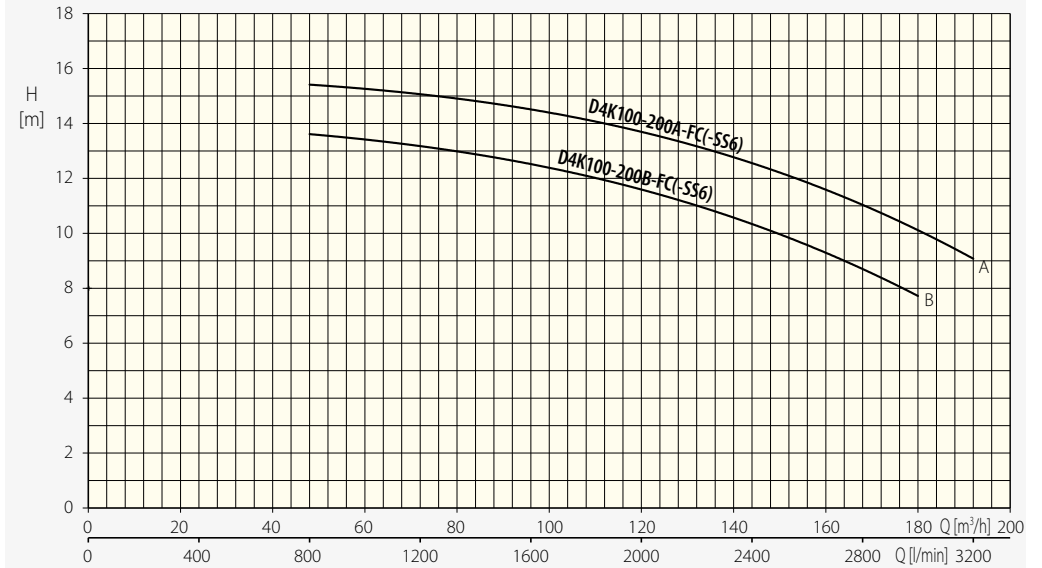
• Tolerances according to ISO 9906 Grade 3B

4 POLE

80-315



100-200



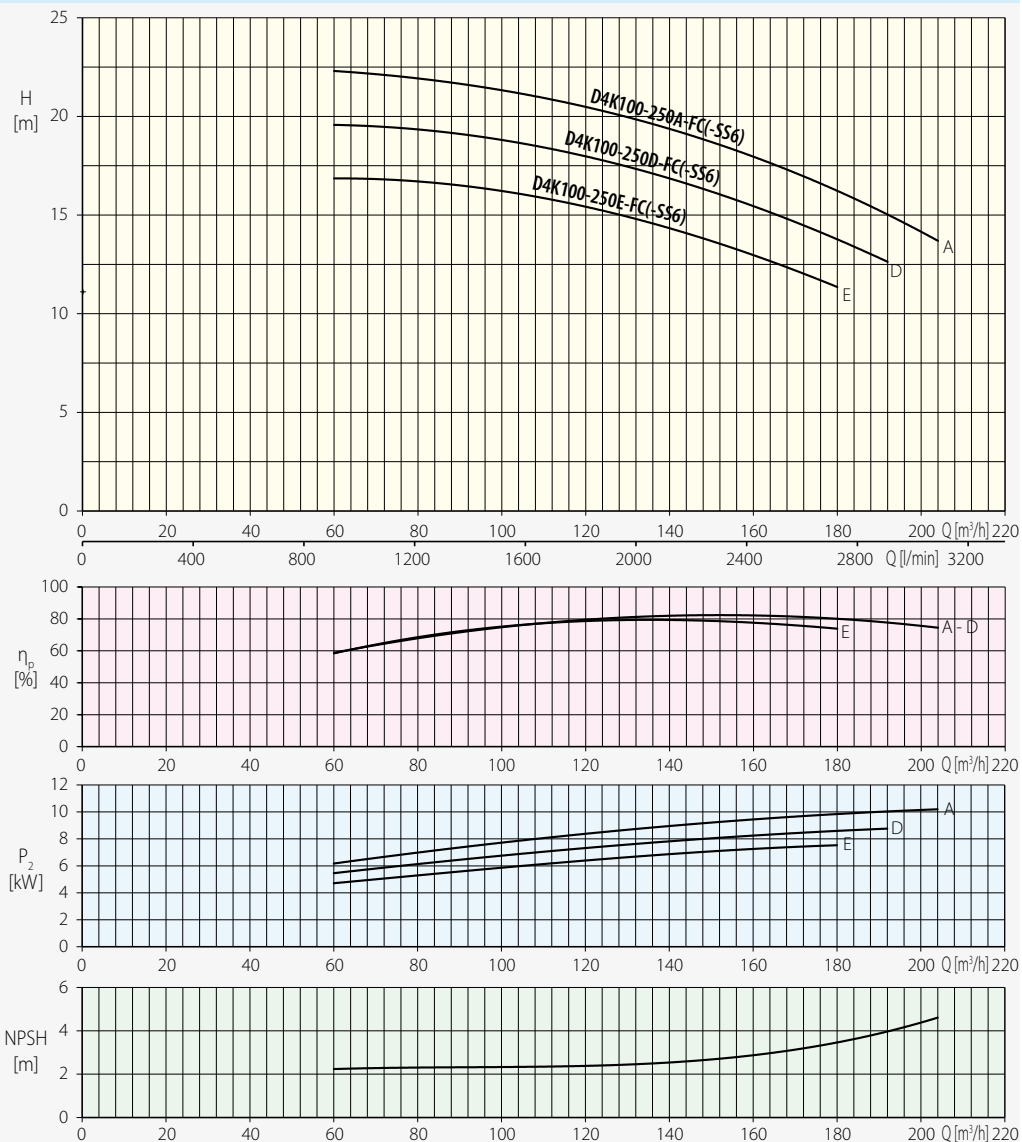
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

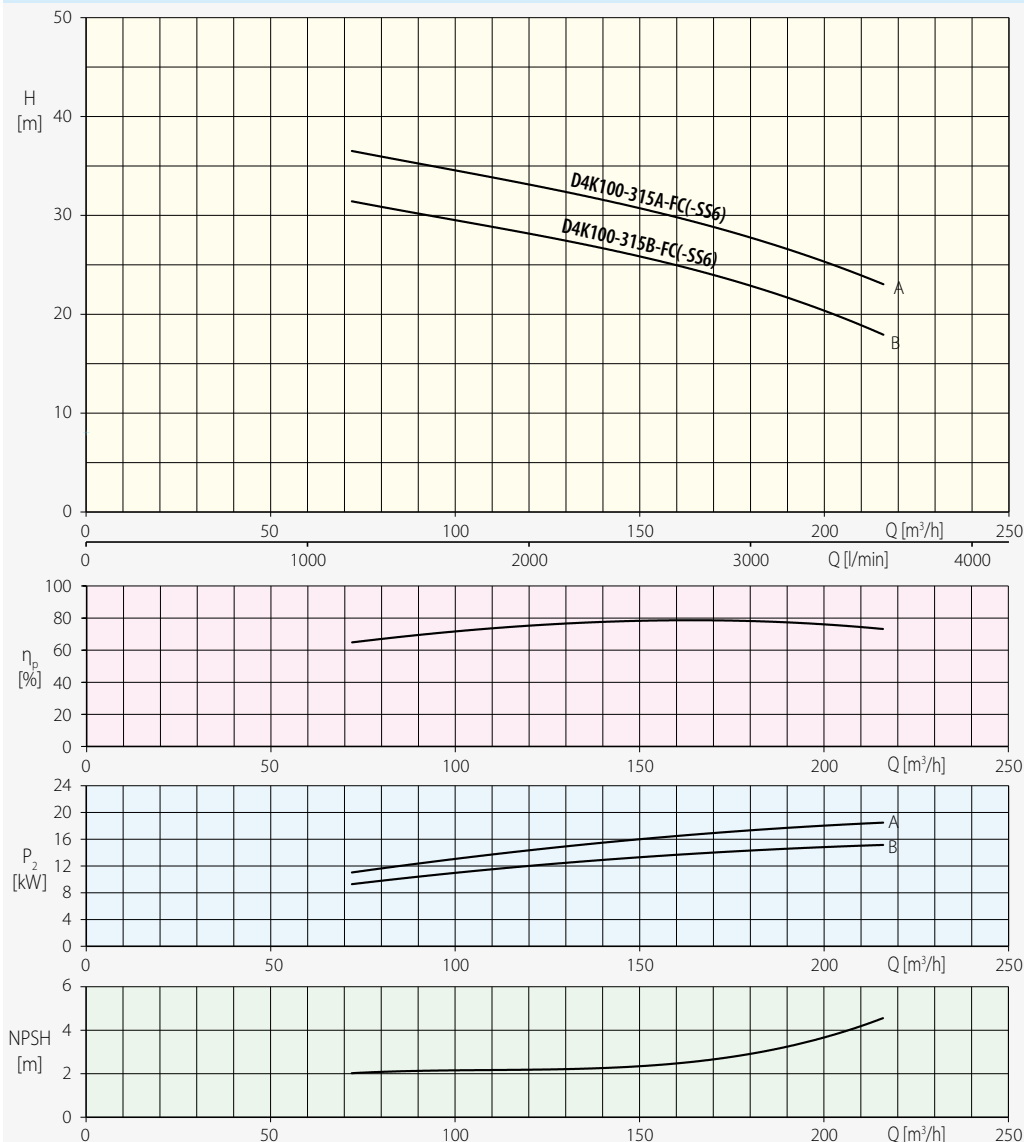
• Tolerances according to ISO 9906 Grade 3B

4 POLE

100-250



100-315



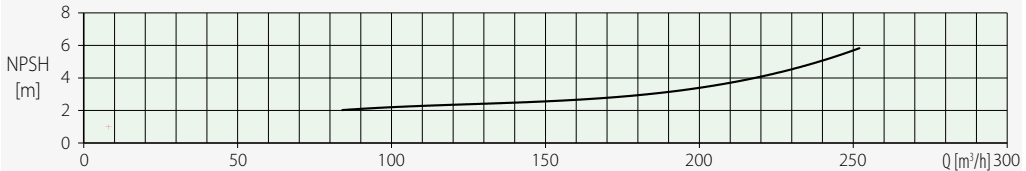
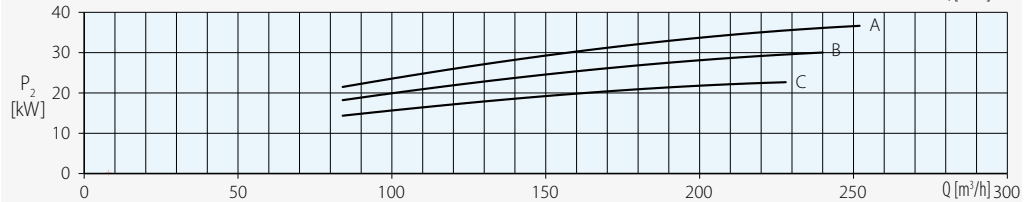
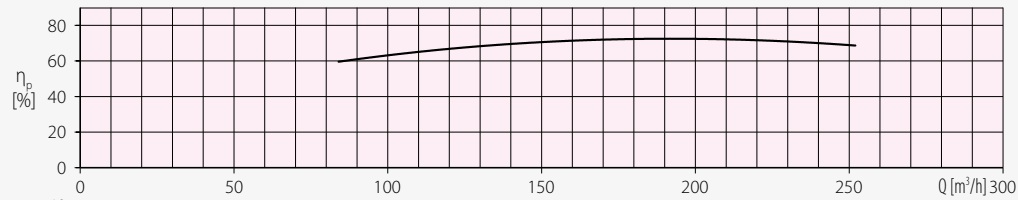
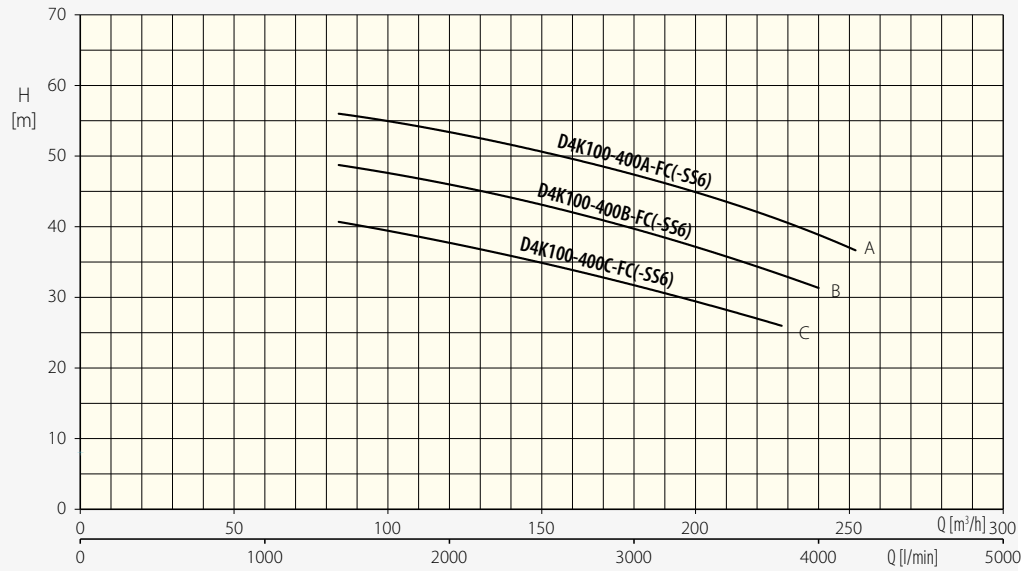
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

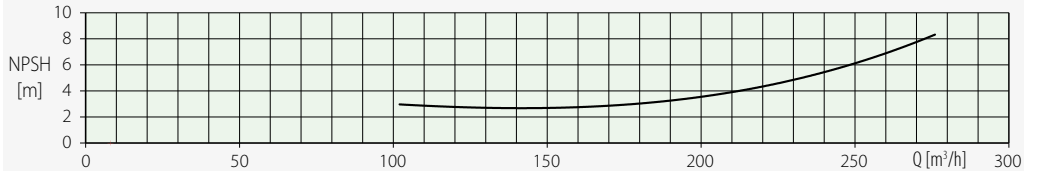
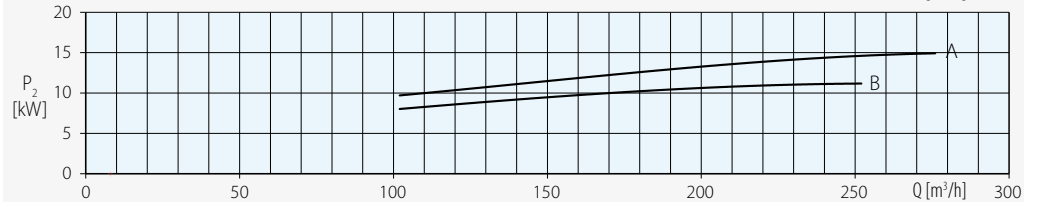
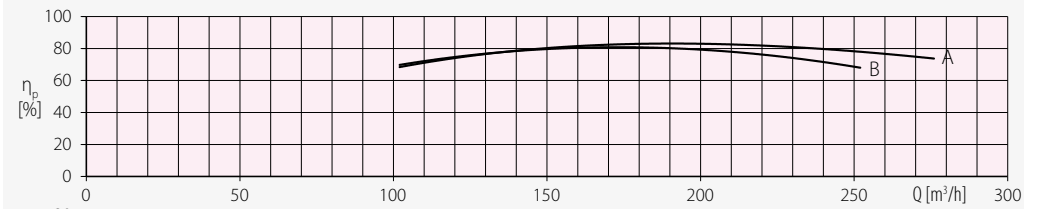
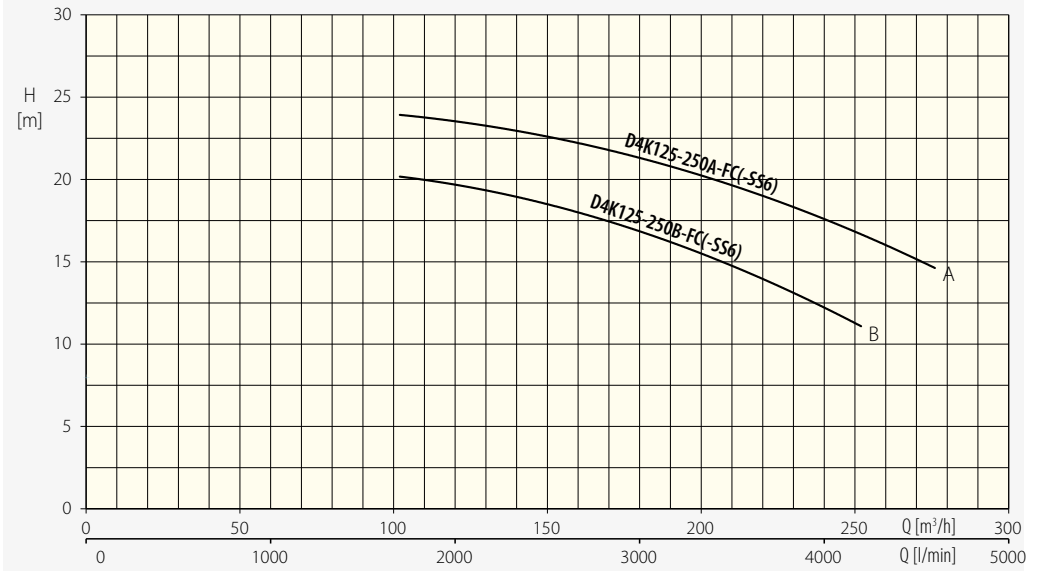
• Tolerances according to ISO 9906 Grade 3B

4 POLE

100-400



125-250



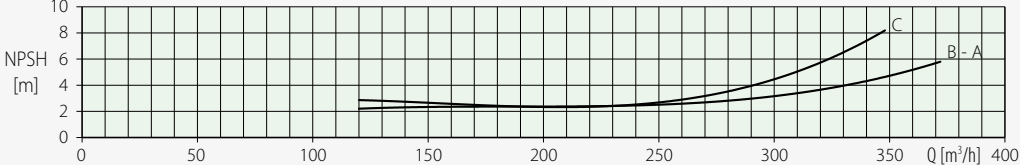
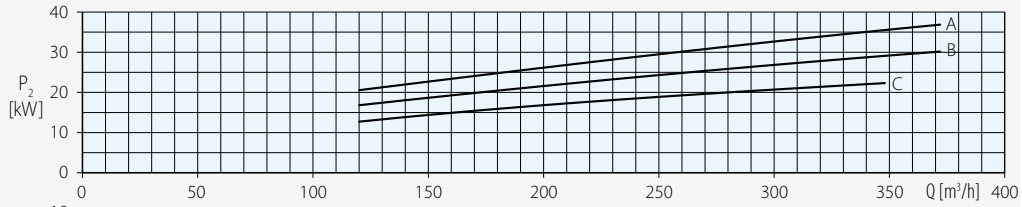
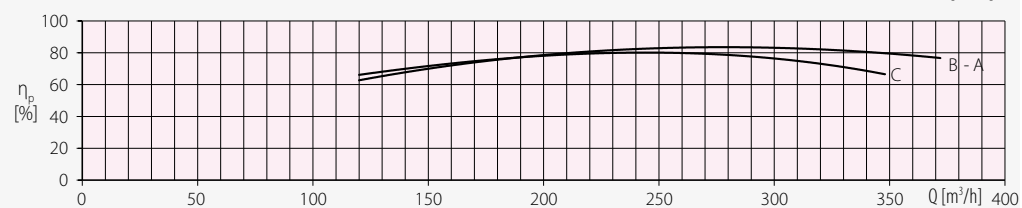
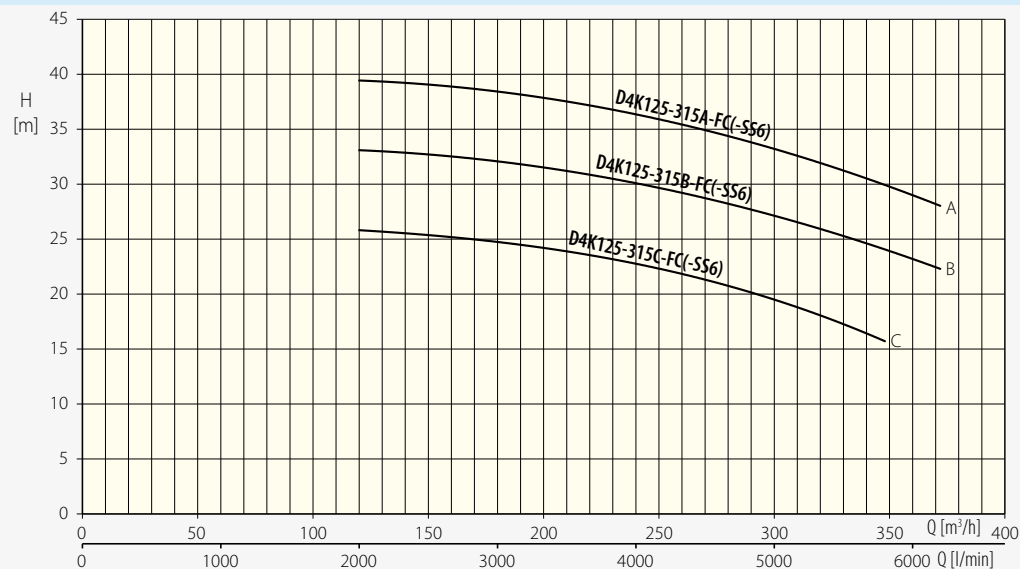
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

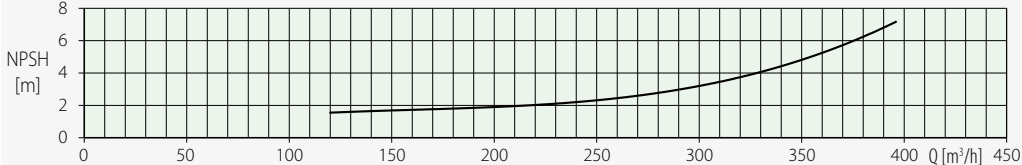
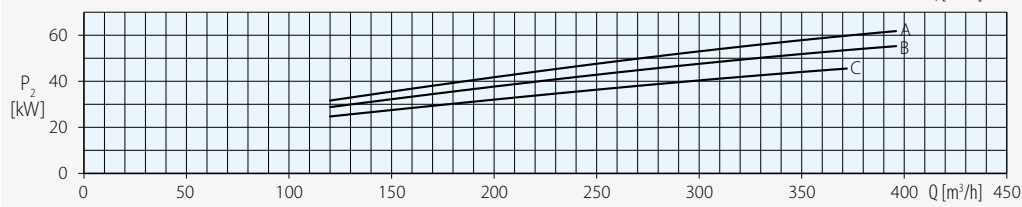
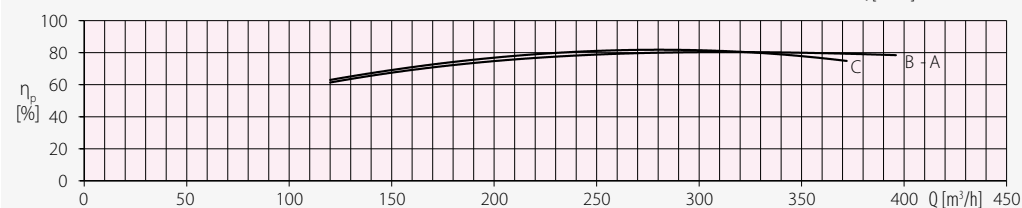
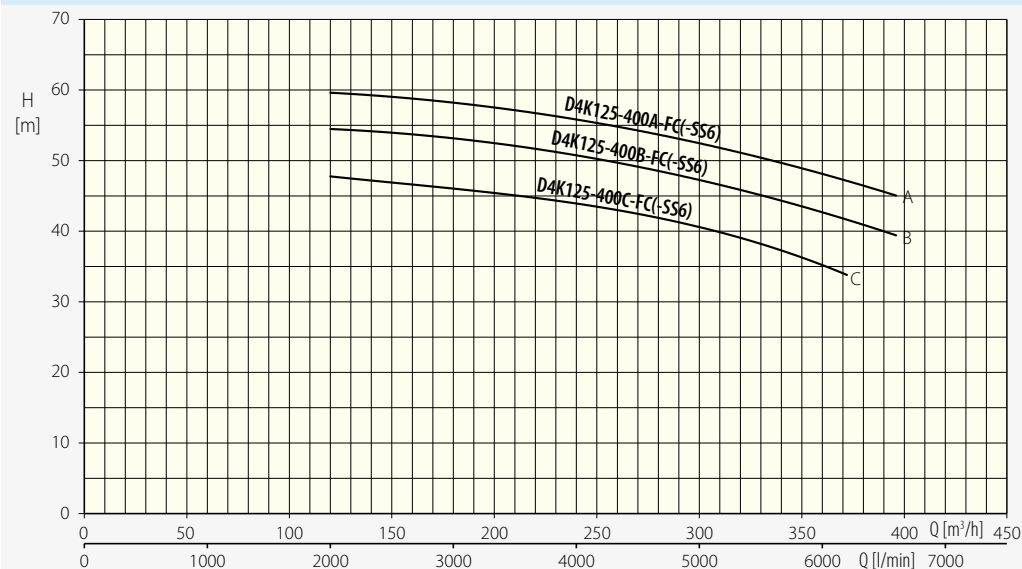
• Tolerances according to ISO 9906 Grade 3B

4 POLE

125-315



125-400



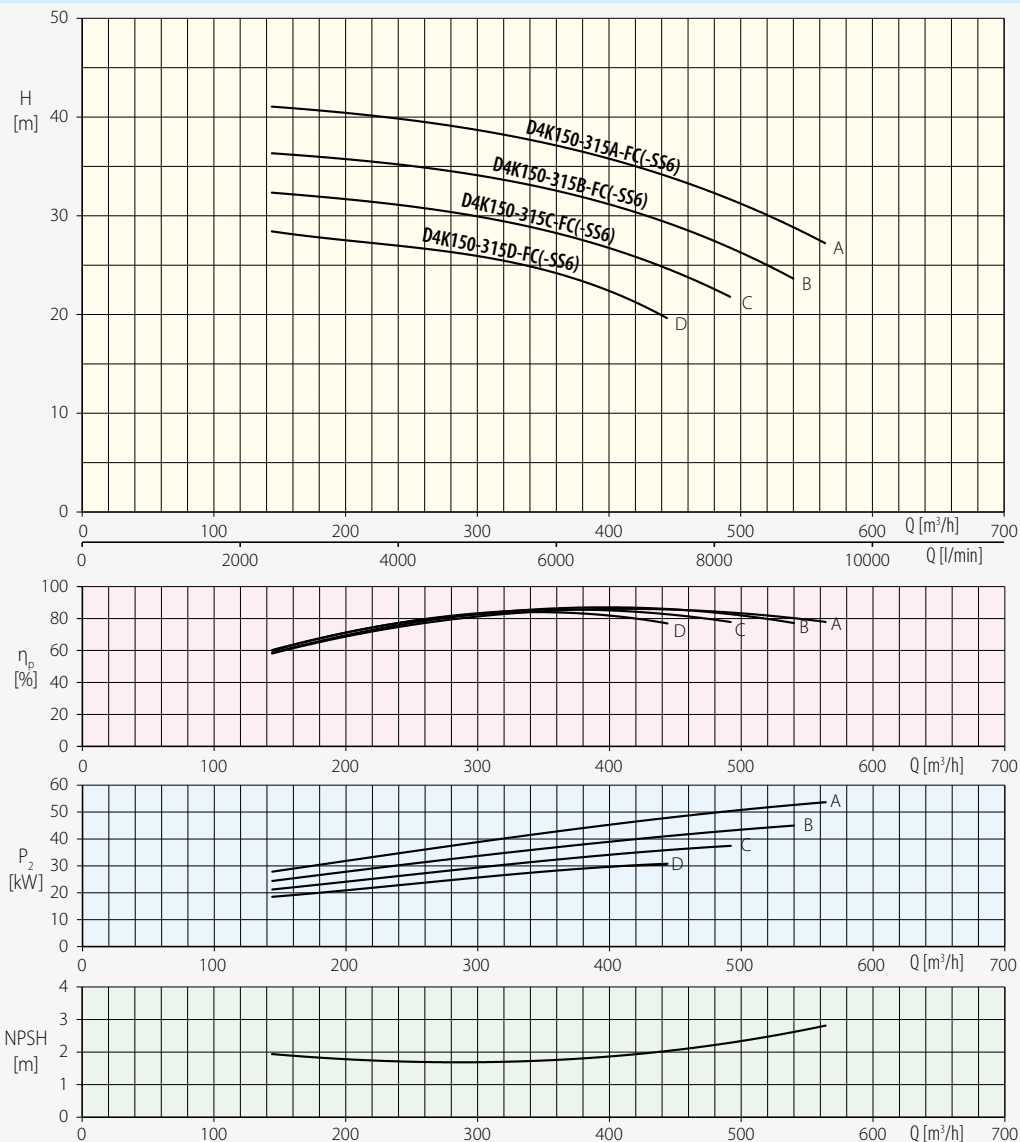
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

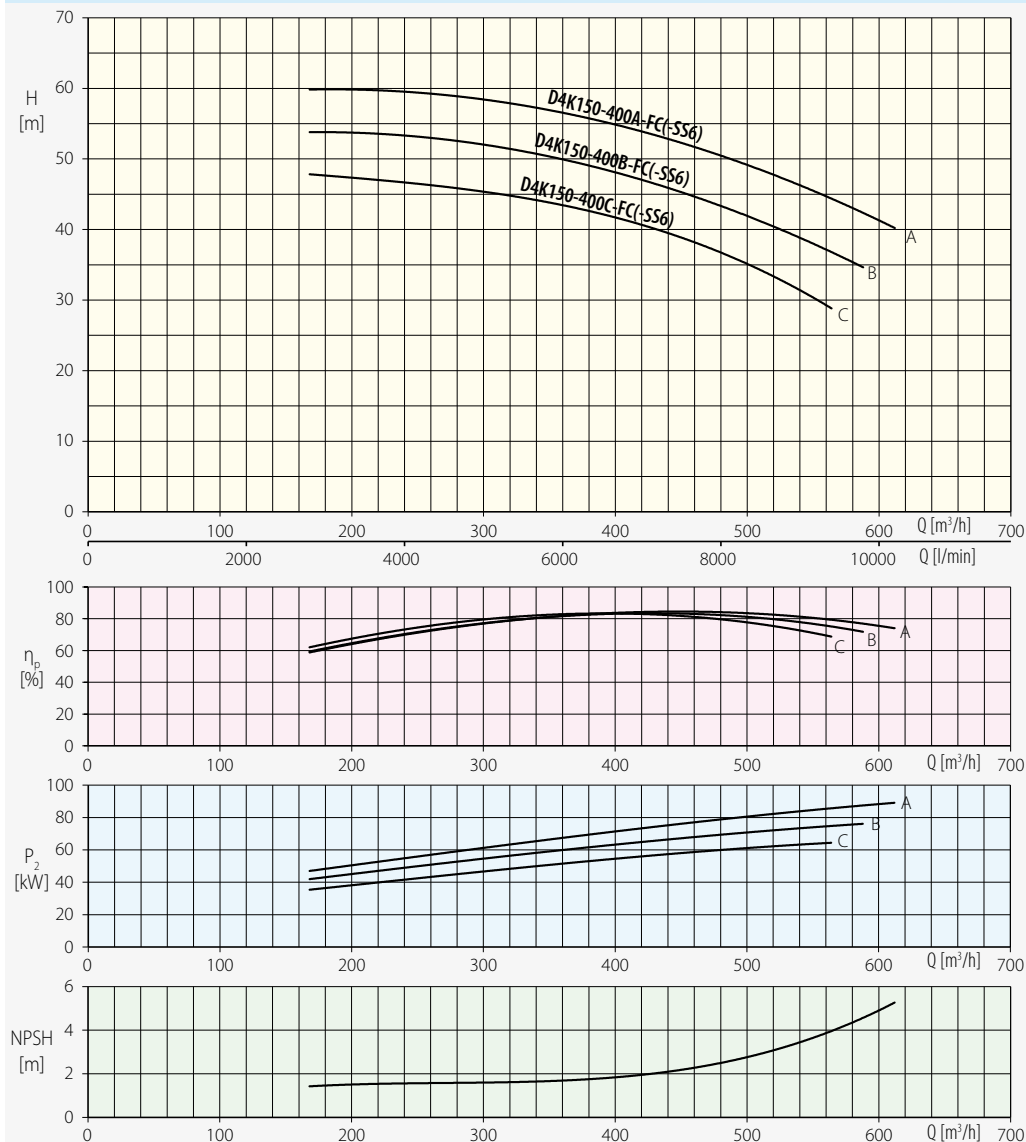
• Tolerances according to ISO 9906 Grade 3B

4 POLE

150-315



150-400



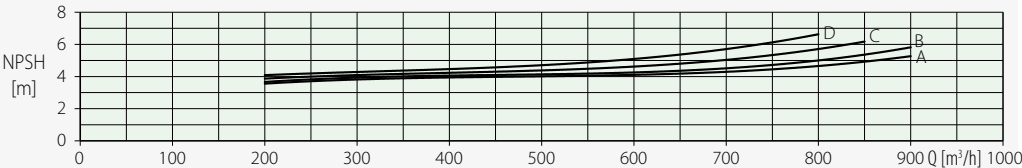
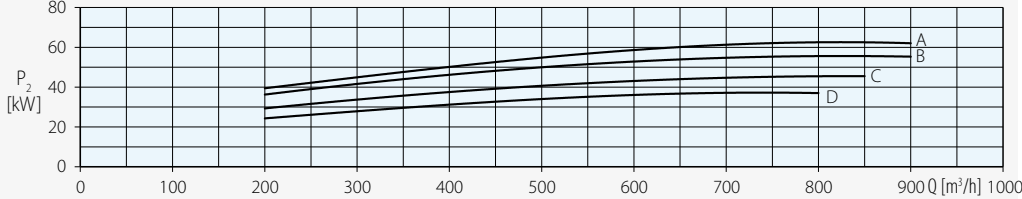
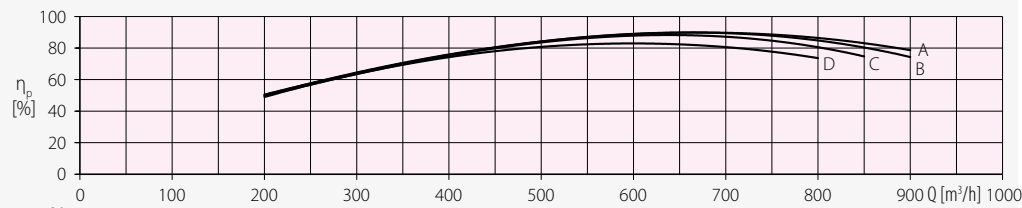
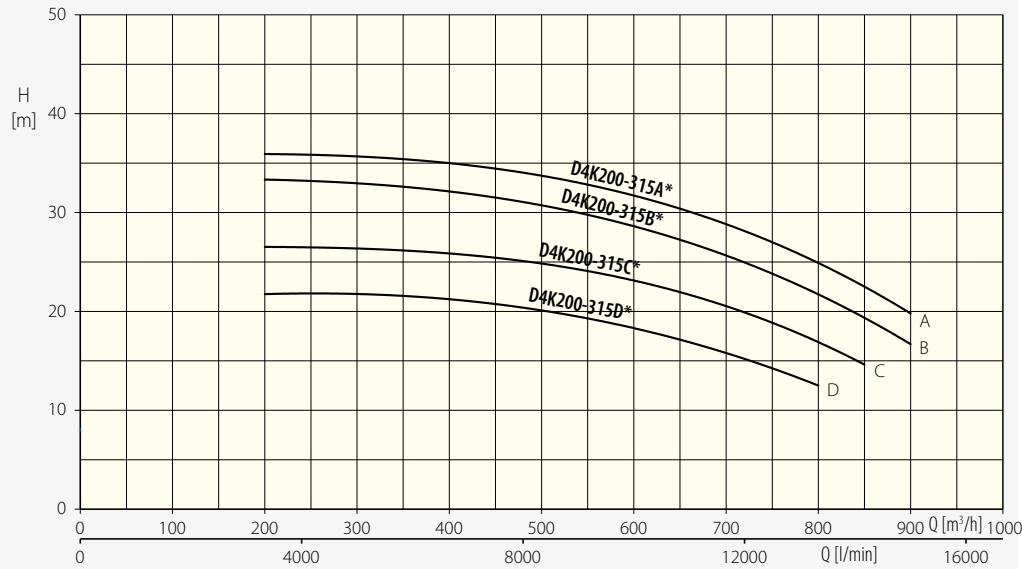
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

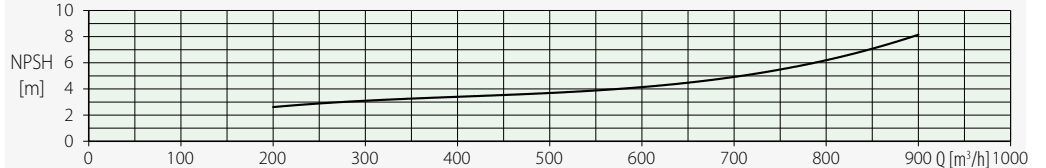
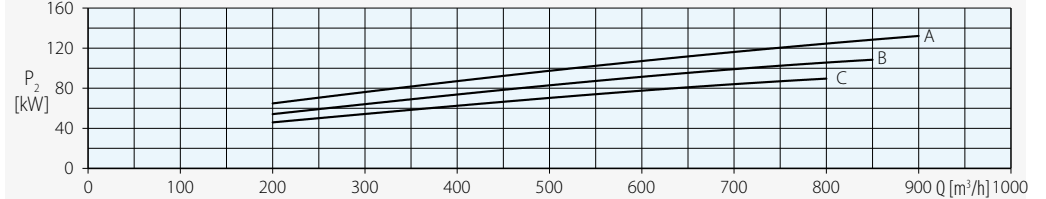
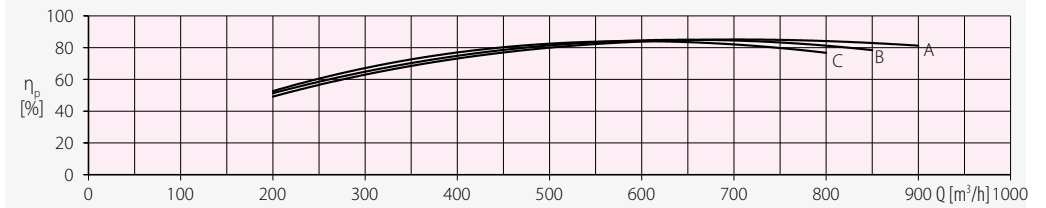
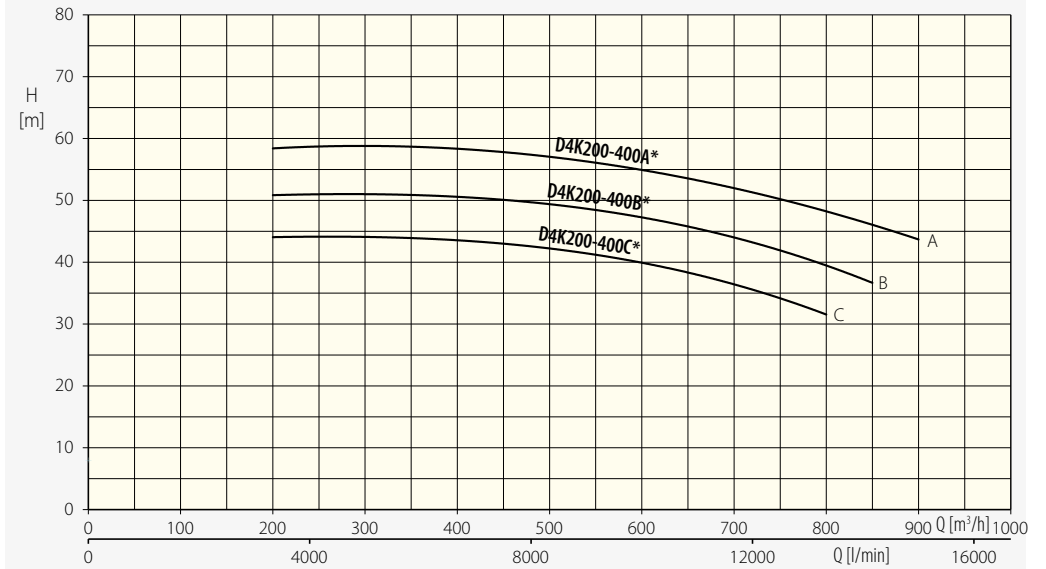
• Tolerances according to ISO 9906 Grade 3B

4 POLE

200-315



200-400



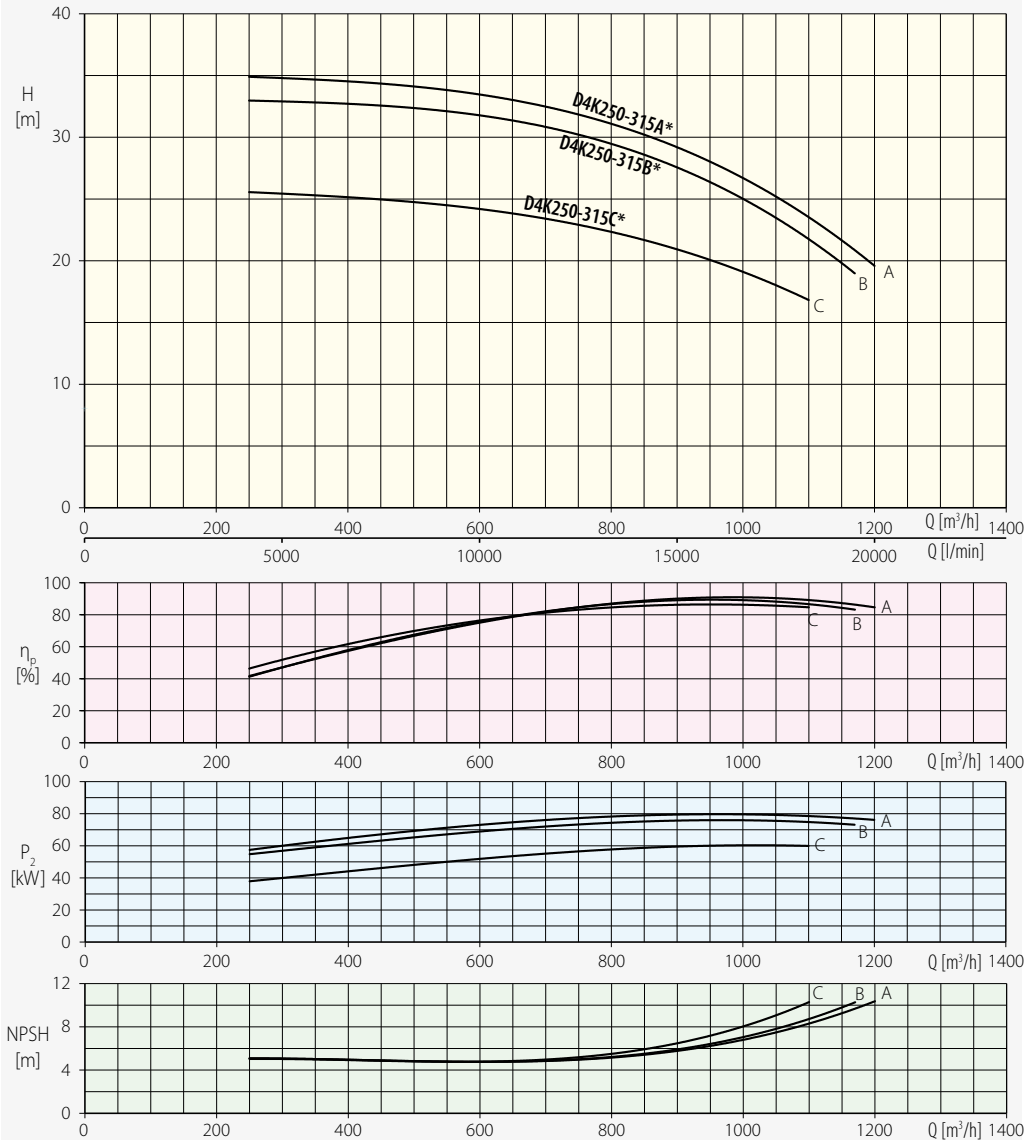
• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

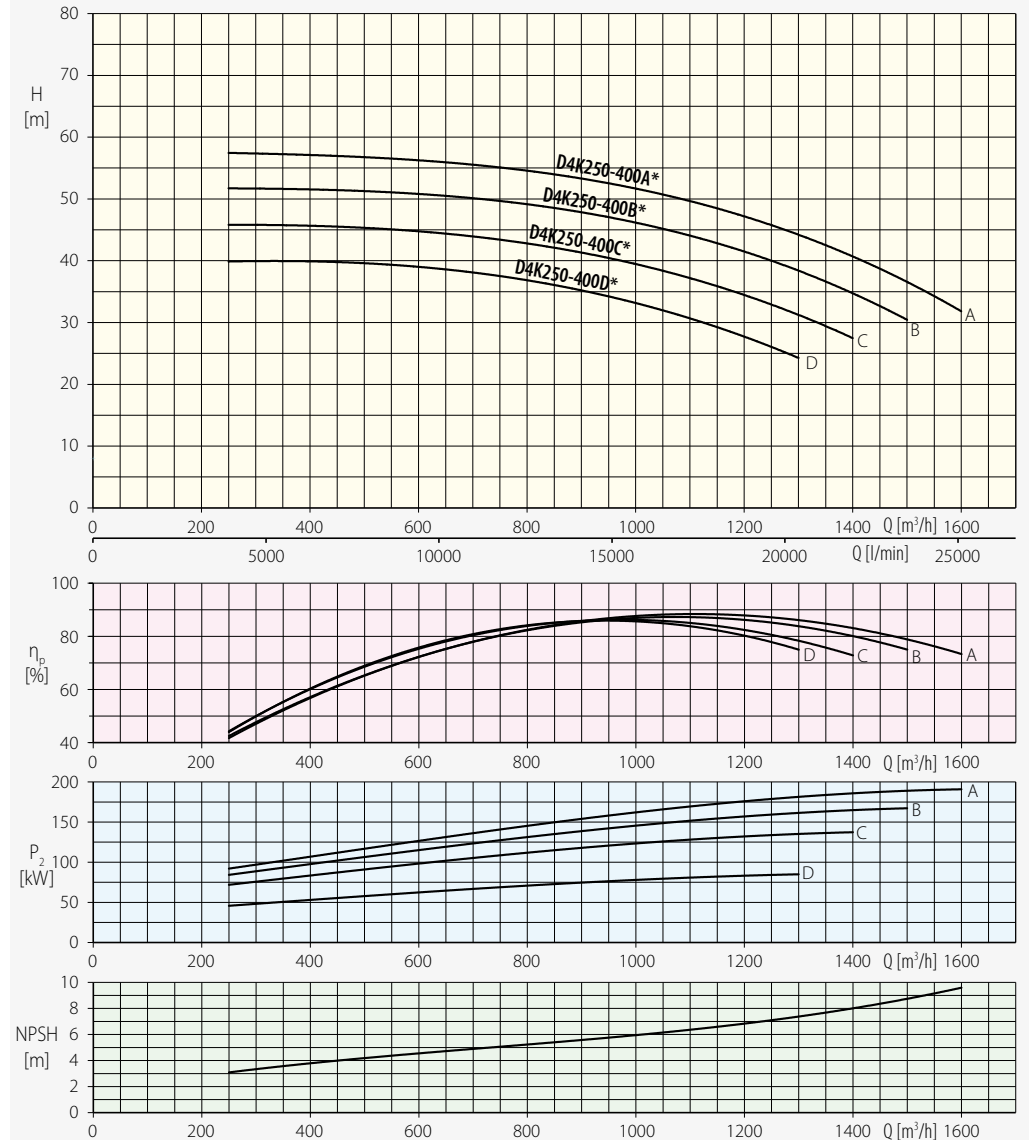
• Tolerances according to ISO 9906 Grade 3B

4 POLE

250-315



250-400



• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906 Grade 3B

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 AND 4 POLE

OPERATING CONDITIONS (LIMITS OF USE)	Cast iron version	Stainless steel (-SS6) version
Maximum temperature of pumped liquid °C	-10 +90	-10 +90
Maximum working pressure (maximum permissible/allowed pressure in the pump casing) kPa / bar	1000 / 10 (1)	1000 / 10 (1)
Maximum ambient temperature °C	40	40
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive
Density of pumped liquid with γ =water specific gravity kg/dm ³	1	1
Presence of solids in suspension	NO	NO

CONSTRUCTION MATERIALS	Cast iron version	Stainless steel (-SS6) version
Pump body	Cast iron	Stainless steel DIN/EN 1.4401 (AISI 316)
Pump bracket	Cast iron	Cast iron
Seal holding disc	Cast iron	Stainless steel DIN/EN 1.4401 (AISI 316)
Impeller/s	Cast iron (2)	Stainless steel DIN/EN 1.4401 (AISI 316)
Shaft (pump side)	Stainless steel DIN/EN 1.4401 (AISI 316)	Stainless steel DIN/EN 1.4401 (AISI 316)
Mechanical seal	Ceramic, carbon-graphite (3)	Ceramic, carbon-graphite (3)
Motor casing	Aluminium	Aluminium

MOTOR	Cast iron and stainless steel (-SS6) version
Standard IEC asynchronous Electric motor. Efficiency IE3	
Number of poles	2
Insulation class	F
Degree of protection IP	55
Service	Continuous duty
Maximum tolerance (fluctuation) from the nominal voltage	±6%
Starts per hour max	30 up to 2 kW. 20 up to 4 kW, 10 above 4 kW.

3phase version the overload motor protection must be provided by the user (we recommend the use of a control box)

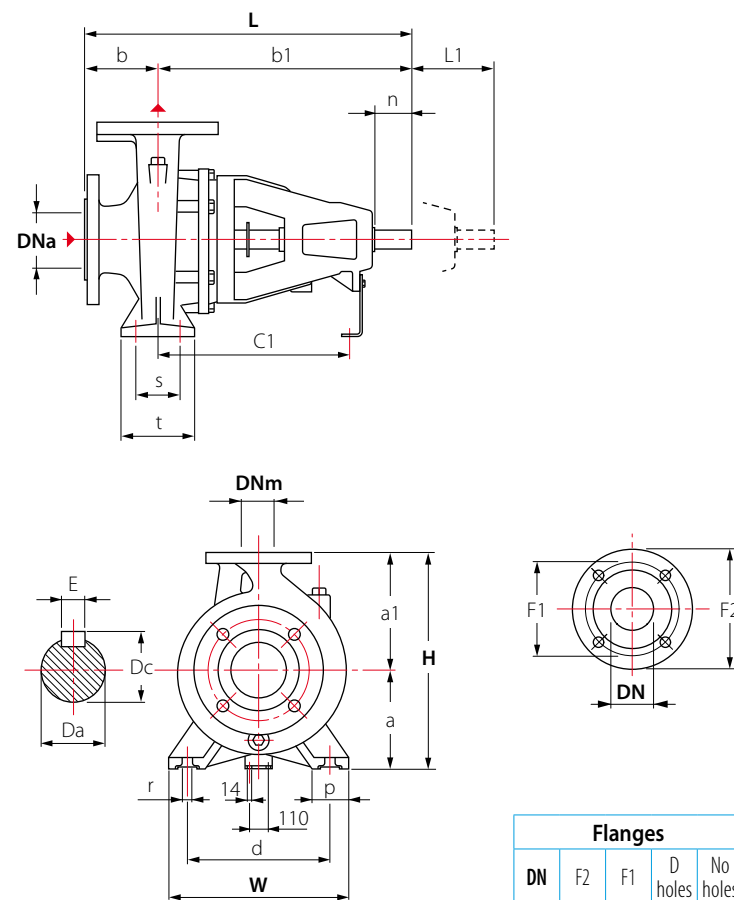
(1) Max 14 bar for-315 only cast iron 2 pole and DK40-250-FC(-SS6) 2 pole

(2) Also available on demand with overprice in bronze or stainless steel DIN/EN 1.4401 (AISI 316)

(3) Also available on demand with overprice with gland packing seal; excluded DK65-315 and DK80-315 2 pole

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

BARESHAFT VERSION																					
TYPES	DIMENSIONS in mm																	Kg	DNa	DNm	
	L	W	H	a	a1	b	b1	C1	d	Da	Dc	E	L1	n	p	r	s				t
DK32-160	440	240	292	132	160	80	360	260	190	24	27,0	8	100	50	50	14	70	100	38	50	32
DK32-200	440	240	340	160	180	80	360	260	190	24	27,0	8	100	50	50	14	70	100	41		
DK32-250	460	320	405	180	225	100	360	260	250	24	27,0	8	100	65	65	14	95	125	42	65	40
DK40-125	440	210	252	112	140	80	360	260	160	24	27,0	8	100	50	50	14	70	100	37		
DK40-160	440	240	292	132	160	80	360	260	190	24	27,0	8	100	50	50	14	70	100	40		
DK40-200	460	265	340	160	180	100	360	260	212	24	27,0	8	100	50	50	14	70	100	44		
DK40-250	460	320	405	180	225	100	360	260	250	24	27,0	8	100	50	65	14	95	125	53		
DK50-125	460	240	292	132	160	100	360	260	190	24	27,0	8	100	50	50	14	70	100	40,5	65	50
DK50-160	460	265	340	160	180	100	360	260	212	24	27,0	8	100	50	50	14	70	100	44		
DK50-200	460	265	360	160	200	100	360	260	212	24	27,0	8	100	50	50	14	70	100	47		
DK50-250	460	320	405	180	225	100	360	260	250	24	27,0	8	100	50	65	14	95	100	56		
DK50-315	595	345	505	225	280	125	470	340	280	32	35,3	10	100	80	65	14	95	125	92	80	65
DK65-125	460	280	340	160	180	100	360	260	212	24	27,0	8	100	65	65	14	95	125	41		
DK65-160	460	280	360	160	200	100	360	260	212	24	27,0	8	100	65	65	14	95	125	49		
DK65-200	460	320	405	180	225	100	360	260	250	24	27,0	8	140	65	65	14	95	125	54		
DK65-250	570	360	450	200	250	100	470	340	280	32	35,0	10	140	80	80	19	120	160	76,5	80	65
DK65-315	595	400	505	225	280	125	470	340	315	32	35,0	10	140	80	80	19	120	160	96		
DK80-160	485	320	405	180	225	125	360	260	250	24	27,0	8	140	50	65	14	95	125	58	100	80
DK80-200	595	345	430	180	250	125	470	340	280	32	35,0	10	140	80	65	14	95	125	74		
DK80-250	595	400	480	200	280	125	470	340	315	32	35,3	10	140	80	80	18	120	160	91		
DK80-315	595	400	565	250	315	125	470	340	315	32	35,3	10	140	80	80	18	120	160	97	125	100
DK100-200	595	360	480	200	280	125	470	340	286	32	35,3	10	140	80	80	18	120	160	95		
DK100-250	610	400	505	225	280	140	470	340	315	32	35,3	10	140	80	80	18	120	160	105		
DK100-315	610	400	565	250	315	140	470	340	315	32	35,3	10	140	80	80	18	120	160	115		
DK100-400	670	500	635	280	355	140	530	370	400	42	45,3	12	140	110	100	22	150	200	170	150	125
DK125-250	690	400	765	315	450	160	530	370	315	32	45,3	12	140	110	100	22	150	200	132		
DK125-315	670	500	635	280	355	140	530	370	400	42	45,3	12	140	110	100	22	150	200	176		
DK125-400	670	500	715	315	400	140	530	370	400	42	45,3	12	140	110	100	22	150	200	180		
DK150-315	690	550	680	280	400	160	530	370	450	42	45,3	12	140	110	100	22	150	200	191	200	150
DK150-400	690	550	765	315	450	160	530	370	450	42	45,3	12	140	110	100	22	150	200	228		
DK200-315	886	634	805	355	450	180	706	523	500	55	58,3	16	208	110	134	28	190	250	345	250	200
DK200-400	886	634	855	355	500	180	706	523	500	55	58,3	16	214	110	134	28	190	250	346		
DK250-315	936	694	900	400	500	225	711	528	560	55	58,3	16	214	110	134	28	200	250	-	300	250
DK250-400	931	694	950	400	550	225	706	523	560	55	58,3	16	220	110	134	28	200	250	-		

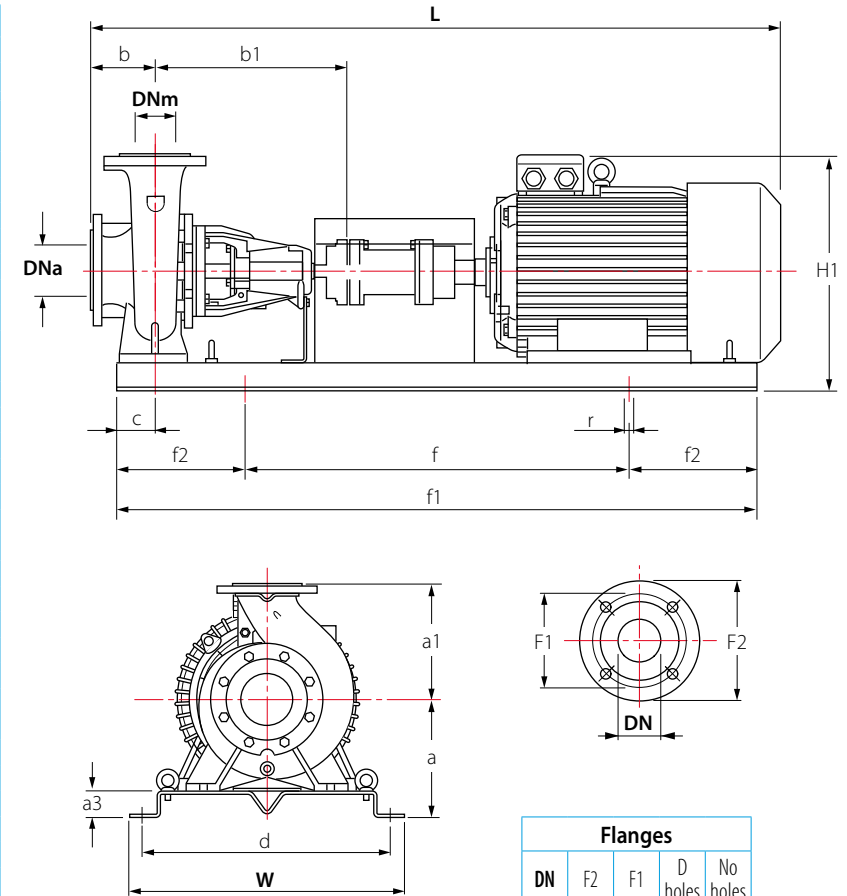


Not in scale

Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE			With standard IEC electric motor and flexible coupling															Diam. Imp	Kg	DNa	DNm
TYPES	kW	Motor size	DIMENSIONS in mm																		
			W	L	a	a1	a3	b	b1	c	d	f	f1	f2	H1	r					
DK32-160C-FC(-SS6)	1,5	90S	360	855	182	160	50	80	360	60	320	540	800	130	342	18	138	82	50	32	
DK32-160C-FC(-SS6)	2,2	90L	390	920	182	160	50	80	360	60	350	600	900	150	342	18	138	88			
DK32-160B-FC(-SS6)	2,2	90L	390	920	182	160	50	80	360	60	350	600	900	150	342	18	147	87,7			
DK32-160A-FC(-SS6)	3	100L	390	920	182	160	50	80	360	60	350	600	900	150	362	18	166	95,7			
DK32-160A-FC(-SS6)	4	112M	390	940	182	160	50	80	360	60	350	600	900	150	375	18	166	102,7			
DK32-200C-FC(-SS6)	4	112M	390	940	210	180	50	80	360	60	350	600	900	150	403	18	175	106,7			
DK32-200B-FC(-SS6)	5,5	132S	450	1020	210	180	50	80	360	60	400	660	1000	170	433	22	193	131,3			
DK32-200A-FC(-SS6)	7,5	132S	450	1020	210	180	50	80	360	60	400	660	1000	170	433	22	206	134,3			
DK32-250C-FC(-SS6)	11	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	234	189,3			
DK32-250B-FC(-SS6)	11	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	250	189,3			
DK32-250B-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	250	199,3			
DK32-250A-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	259	199,3			
DK40-125C-FC(-SS6)	1,5	90S	360	855	162	140	50	80	360	60	320	540	800	130	317	18	127	82,2	65	40	
DK40-125B-FC(-SS6)	2,2	90L	390	920	162	140	50	80	360	60	350	600	900	150	317	18	136	87,8			
DK40-125A-FC(-SS6)	3	100L	390	920	162	140	50	80	360	60	350	600	900	150	342	18	145	95,8			
DK40-160B-FC(-SS6)	3	100L	390	920	182	160	50	80	360	60	350	600	900	150	362	18	156	98,8			
DK40-160B-FC(-SS6)	4	112M	390	940	182	160	50	80	360	60	350	600	900	150	375	18	156	105,8			
DK40-160A-FC(-SS6)	4	112M	390	940	182	160	50	80	360	60	350	600	900	150	375	18	166	105,8			
DK40-160A-FC(-SS6)	5,5	132S	450	1020	182	160	50	80	360	60	400	660	1000	170	405	22	166	130,4			
DK40-200B-FC(-SS6)	5,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	188	134,4			
DK40-200A-FC(-SS6)	7,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	210	137,4			
DK40-250C-FC(-SS6)	11	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	218	201,4			
DK40-250B-FC(-SS6)	11	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	230	201,4			
DK40-250B-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	230	211,4			
DK40-250A-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	247	211,4			
DK40-250A-FC(-SS6)	18,5	160L	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	247	228,4			
DK40-250BL-FC(-SS6)	18,5	160L	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	253	228,4			
DK40-250AL-FC(-SS6)	22	180M	540	1275	230	225	50	100	360	75	490	840	1250	205	510	22	260	267,8			
DK50-125B-FC(-SS6)	3	100L	390	940	182	160	50	100	360	60	350	600	900	150	362	18	129	99,7	65	50	
DK50-125B-FC(-SS6)	4	112M	390	960	182	160	50	100	360	60	350	600	900	150	375	18	129	106,7			
DK50-125A-FC(-SS6)	4	112M	390	960	182	160	50	100	360	60	350	600	900	150	375	18	139	106,7			
DK50-125A-FC(-SS6)	5,5	132S	450	1040	182	160	50	100	360	60	400	660	1000	170	405	22	139	131,3			
DK50-160B-FC(-SS6)	5,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	161	134,8			
DK50-160A-FC(-SS6)	7,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	172	137,8			
DK50-200C-FC(-SS6)	11	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	193	190,8			
DK50-200B-FC(-SS6)	11	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	202	190,8			
DK50-200A-FC(-SS6)	15	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	212	200,8			

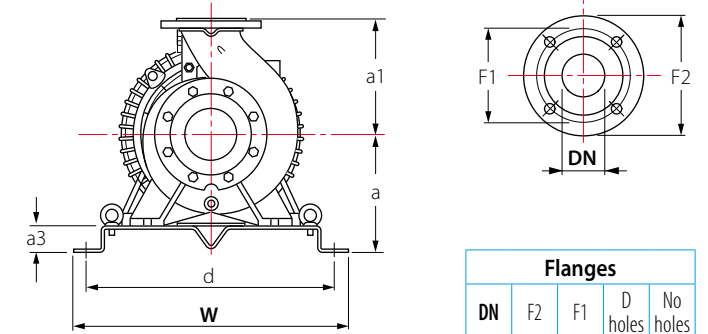
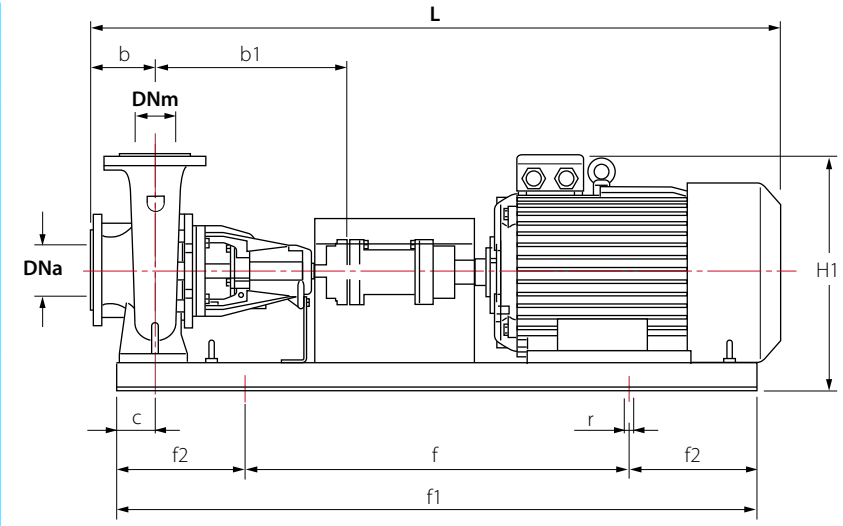


Not in scale

Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

2 POLE			With standard IEC electric motor and flexible coupling															Diam. Imp	Kg	DNa	DNm
TYPES	kW	Motor size	DIMENSIONS in mm																		
			W	L	a	a1	a3	b	b1	c	d	f	f1	f2	H1	r					
DK50-250C-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	234	214,8	65	50	
DK50-250C-FC(-SS6)	18,5	160L	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	234	231,8			
DK50-250B-FC(-SS6)	18,5	160L	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	242	231,8			
DK50-250B-FC(-SS6)	22	180M	540	1275	230	225	50	100	360	75	490	840	1250	205	510	22	242	271,2			
DK50-250A-FC(-SS6)	22	180M	540	1275	230	225	50	100	360	75	490	840	1250	205	510	22	255	271,2			
DK50-250A-FC(-SS6)	30	200L	610	1425	230	225	50	100	360	75	550	940	1400	230	560	26	255	329,2			
DK50-315DG-FC*	37	200L	610	1455	275	280	50	125	470	75	550	940	1400	230	585	26	260	384,5			
DK50-315CG-FC*	45	225M	610	1500	275	280	50	125	470	75	550	940	1400	230	605	26	280	450,3			
DK50-315BG-FC*	55	250M	660	1650	310	280	85	125	470	75	600	1060	1600	270	710	26	305	571,3			
DK50-315AG-FC*	75	280S	730	1850	310	280	85	125	470	75	670	1200	1800	300	770	26	330	724,3			
DK65-125B-FC(-SS6)	5,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	133	133,1			
DK65-125A-FC(-SS6)	7,5	132S	450	1040	210	180	50	100	360	60	400	660	1000	170	433	22	143	136,1			
DK65-160C-FC(-SS6)	11	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	155	194,1			
DK65-160B-FC(-SS6)	11	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	162	194,1			
DK65-160A-FC(-SS6)	15	160M	490	1168	210	200	50	100	360	60	440	740	1120	190	475	22	172	204,1			
DK65-200C-FC(-SS6)	15	160M	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	190	214,5			
DK65-200B-FC(-SS6)	18,5	160L	540	1275	230	225	50	100	360	75	490	840	1250	205	495	22	200	231,5			
DK65-200A-FC(-SS6)	22	180M	540	1290	230	225	50	100	360	75	490	840	1250	205	510	22	213	270,3			
DK65-250B-FC(-SS6)	30	200L	610	1470	250	250	50	100	470	90	550	940	1400	230	560	26	253	350,8			
DK65-250A-FC(-SS6)	37	200L	610	1470	250	250	50	100	470	90	550	940	1400	230	560	26	263	369,8			
DK65-315CG-FC**	55	250M	660	1645	310	280	85	125	470	90	600	1060	1600	270	710	26	264	576,2			
DK65-315BG-FC**	75	280S	730	1835	310	280	85	125	470	90	670	1200	1800	300	770	26	304	729,2			
DK65-315AG-FC**	90	280M	730	1835	310	280	85	125	470	90	670	1200	1800	300	770	26	325	759,2			
DK80-160E-FC(-SS6)	11	160M	540	1300	230	225	50	125	360	75	490	840	1250	205	495	22	140	209,8			
DK80-160D-FC(-SS6)	11	160M	540	1300	230	225	50	125	360	75	490	840	1250	205	495	22	149	209,8			
DK80-160C-FC(-SS6)	15	160M	540	1300	230	225	50	125	360	75	490	840	1250	205	495	22	156	219,8			
DK80-160B-FC(-SS6)	18,5	160L	540	1300	230	225	50	125	360	75	490	840	1250	205	495	22	165	236,8			
DK80-160A-FC(-SS6)	22	180M	540	1315	230	225	50	125	360	75	490	840	1250	205	510	22	172	275,7			
DK80-200B-FC(-SS6)	30	200L	610	1495	230	250	50	125	470	75	550	940	1400	230	560	26	196	349,7			
DK80-200A-FC(-SS6)	37	200L	610	1495	230	250	50	125	470	75	550	940	1400	230	560	26	207	368,7			
DK80-250B-FC(-SS6)	45	225M	610	1540	250	280	50	125	470	90	550	940	1400	230	605	26	242	451,5			
DK80-250A-FC(-SS6)	55	250M	660	1645	285	280	85	125	470	90	600	1060	1600	270	710	26	260	572,5			
DK80-315BG-FC**	90	280M	730	1835	335	315	85	125	470	90	670	1200	1800	300	770	26	288	761,5			
DK80-315AG-FC**	110	315M	-	-	-	315	-	125	470	90	-	-	-	-	-	-	319	-			
DK100-200B-FC(-SS6)	45	225M	610	1540	250	280	50	125	470	90	550	940	1400	230	605	26	206	458,5			
DK100-200A-FC(-SS6)	55	250M	660	1645	285	280	85	125	470	90	600	1060	1600	270	710	26	213	579,5			
DK100-250C-FC(-SS6)	55	250M	660	1660	310	280	85	140	470	90	600	1060	1600	270	710	26	235	589,5			
DK100-250B-FC(-SS6)	75	280S	730	1850	310	280	85	140	470	90	670	1200	1800	300	770	26	235	742,5			
DK100-250A-FC(-SS6)	75	280S	730	1850	310	280	85	140	470	90	670	1200	1800	300	770	26	250	742,5			
DK100-250A-FC(-SS6)	90	280M	730	1850	310	280	85	140	470	90	670	1200	1800	300	770	26	263	772,5			



Not in scale

Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

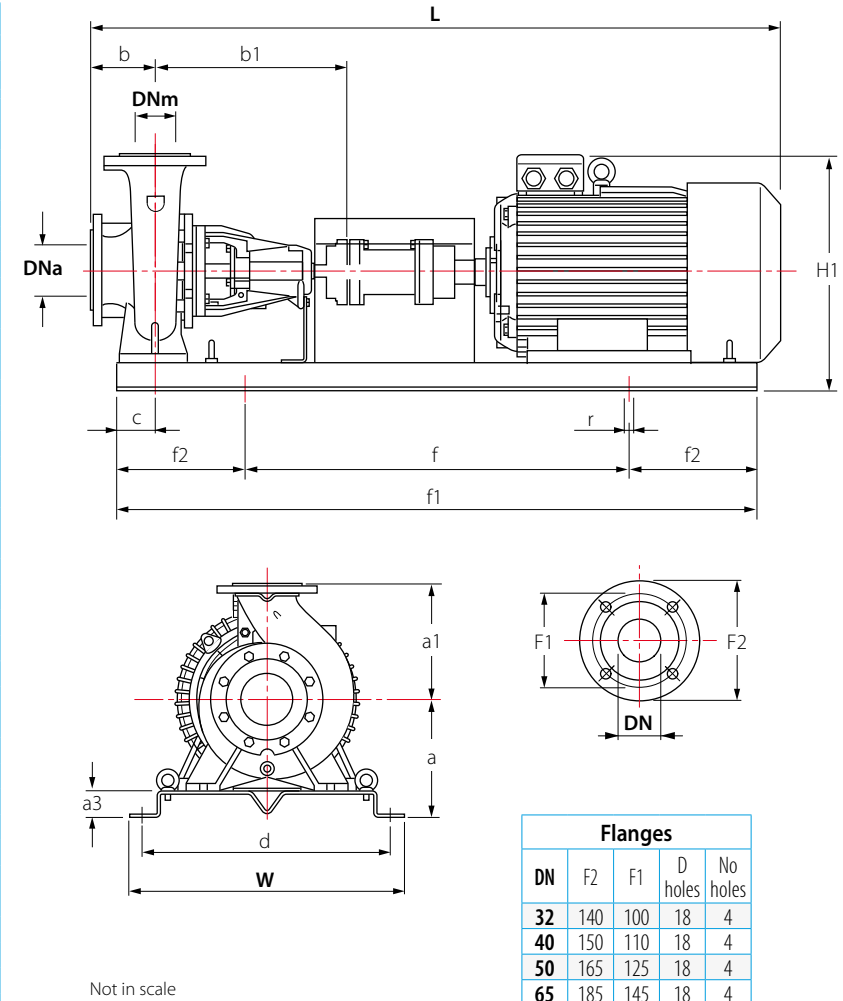
* Not to EN 733, only cast iron version

** Only cast iron version

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE			With standard IEC motor and flexible coupling															Diam. Imp	Kg	DNa	DNm
TYPES	kW	Motor size	DIMENSIONS in mm																		
			W	L	a	a1	a3	b	b1	c	d	f	f1	f2	H1	r					
D4K32-160C-FC(-SS6)	0,37	71M	360	820	182	160	50	80	360	60	320	540	800	130	342	18	142	78	50	32	
D4K32-160B-FC(-SS6)	0,37	71M	360	820	182	160	50	80	360	60	320	540	800	130	342	18	154	78			
D4K32-160A-FC(-SS6)	0,55	80M	360	820	182	160	50	80	360	60	320	540	800	130	342	18	170	78,1			
D4K32-200C-FC(-SS6)	0,75	80M	360	820	210	180	50	80	360	60	320	540	800	130	390	18	175	82,1			
D4K32-200B-FC(-SS6)	1,1	90S	360	855	210	180	50	80	360	60	320	540	800	130	390	18	193	86,1			
D4K32-200A-FC(-SS6)	1,1	90S	360	855	210	180	50	80	360	60	320	540	800	130	390	18	206	86,1			
D4K32-250C-FC(-SS6)	1,5	90S	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	234	98,7			
D4K32-250B-FC(-SS6)	1,5	90S	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	250	98,7			
D4K32-250A-FC(-SS6)	2,2	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	259	104,7			
D4K40-125C-FC(-SS6)	0,37	71M	360	820	162	140	50	80	360	60	320	540	800	130	302	18	124	78,5			
D4K40-125B-FC(-SS6)	0,37	71M	360	820	162	140	50	80	360	60	320	540	800	130	302	18	134	78,5			
D4K40-125A-FC(-SS6)	0,55	80M	360	820	162	140	50	80	360	60	320	540	800	130	307	18	145	78,2			
D4K40-160B-FC(-SS6)	0,55	80M	360	820	182	160	50	80	360	60	320	540	800	130	342	18	156	81,2			
D4K40-160A-FC(-SS6)	0,75	80M	360	820	182	160	50	80	360	60	320	540	800	130	342	18	166	81,2			
D4K40-200B-FC(-SS6)	1,1	90S	390	940	210	180	50	100	360	60	350	600	900	150	390	18	188	91,8			
D4K40-200A-FC(-SS6)	1,1	90S	390	940	210	180	50	100	360	60	350	600	900	150	390	18	201	91,8			
D4K40-200A-FC(-SS6)	1,5	90S	390	940	210	180	50	100	360	60	350	600	900	150	390	18	201	97,8			
D4K40-250C-FC(-SS6)	1,1	90S	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	218	104,8			
D4K40-250C-FC(-SS6)	1,5	90S	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	218	110,8			
D4K40-250B-FC(-SS6)	2,2	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	230	116,8			
D4K40-250A-FC(-SS6)	2,2	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	247	116,8			
D4K40-250A-FC(-SS6)	3	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	247	120,8			
D4K50-125B-FC(-SS6)	0,55	80M	360	840	182	160	50	100	360	60	320	540	800	130	342	18	129	82,1			
D4K50-125A-FC(-SS6)	0,75	80M	360	840	182	160	50	100	360	60	320	540	800	130	342	18	139	82,1			
D4K50-160B-FC(-SS6)	0,75	80M	360	840	210	180	50	100	360	60	320	540	800	130	390	18	161	85,6			
D4K50-160A-FC(-SS6)	1,1	90S	360	875	210	180	50	100	360	60	320	540	800	130	390	18	172	89,6			
D4K50-200C-FC(-SS6)	1,1	90S	390	940	210	200	50	100	360	60	350	600	900	150	410	18	193	95,2			
D4K50-200B-FC(-SS6)	1,5	90S	390	940	210	200	50	100	360	60	350	600	900	150	410	18	202	101,2			
D4K50-200A-FC(-SS6)	1,5	90S	390	940	210	200	50	100	360	60	350	600	900	150	410	18	212	101,2			
D4K50-250C-FC(-SS6)	2,2	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	234	120,2			
D4K50-250C-FC(-SS6)	3	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	234	124,2			
D4K50-250B-FC(-SS6)	3	100L	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	242	124,2			
D4K50-250A-FC(-SS6)	4	112M	450	1025	230	225	50	100	360	75	400	660	1000	170	455	22	255	153			
D4K50-315C-FC(-SS6)*	5,5	132S	490	1170	275	280	50	125	470	75	440	740	1120	190	555	22	270	189,6			
D4K50-315B-FC(-SS6)*	7,5	132M	490	1200	275	280	50	125	470	75	440	740	1120	190	555	22	305	201,6			
D4K50-315A-FC(-SS6)*	11	160M	540	1303	275	280	50	125	470	75	490	840	1250	205	555	22	330	247,6			

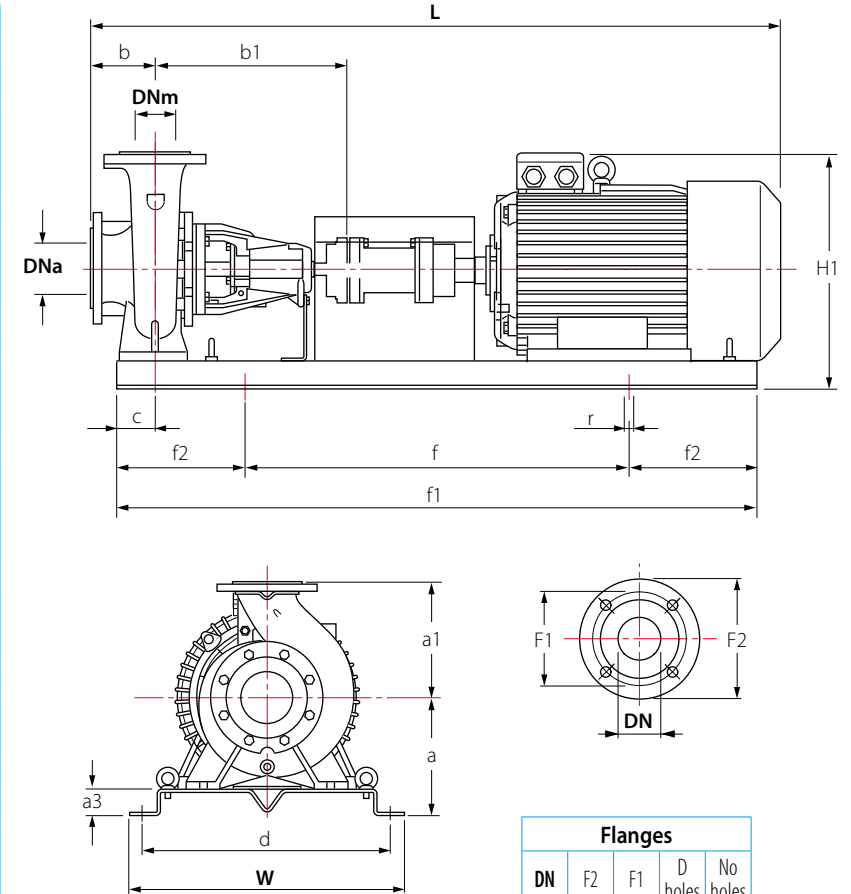
* Not to EN 733



Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

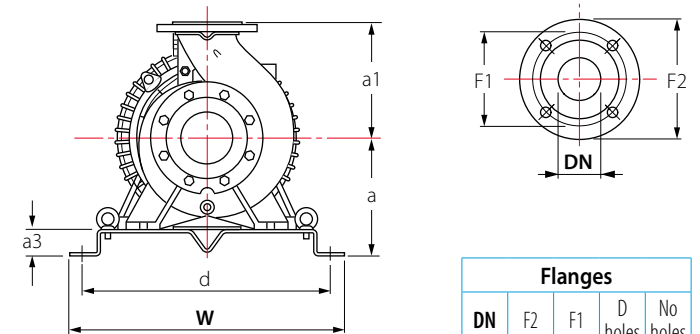
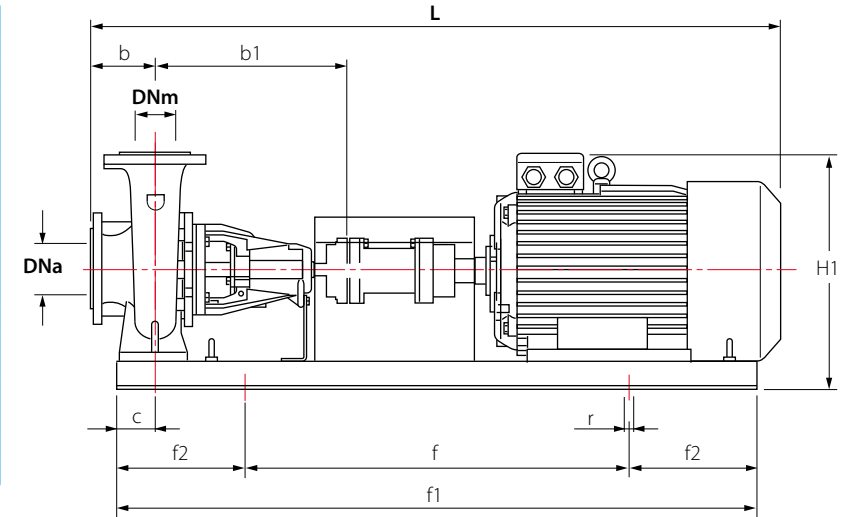
4 POLE			With standard IEC motor and flexible coupling															Diam. Imp	Kg	DNa	DNm
TYPES	kW	Motor size	DIMENSIONS in mm																		
			W	L	a	a1	a3	b	b1	c	d	f	f1	f2	H1	r					
D4K65-125B-FC(-SS6)	0,75	80M	360	840	210	180	50	100	360	60	320	540	800	130	390	18	133	83,9	80	65	
D4K65-125A-FC(-SS6)	1,1	90S	360	875	210	180	50	100	360	60	320	540	800	130	390	18	143	87,9			
D4K65-160C-FC(-SS6)	1,5	90S	390	940	210	200	50	100	360	60	350	600	900	150	410	18	155	104,5			
D4K65-160B-FC(-SS6)	1,5	90S	390	940	210	200	50	100	360	60	350	600	900	150	410	18	162	104,5			
D4K65-160A-FC(-SS6)	2,2	100L	390	940	210	200	50	100	360	60	350	600	900	150	410	18	172	110,5			
D4K65-200C-FC(-SS6)	2,2	100L	490	1145	230	225	50	100	360	75	440	740	1120	190	455	22	190	123,8			
D4K65-200B-FC(-SS6)	3	100L	490	1145	230	225	50	100	360	75	440	740	1120	190	455	22	200	127,8			
D4K65-200A-FC(-SS6)	3	100L	490	1145	230	225	50	100	360	75	440	740	1120	190	455	22	213	127,8			
D4K65-250B-FC(-SS6)	4	112M	490	1130	250	250	50	100	470	90	440	740	1120	190	500	22	253	158			
D4K65-250A-FC(-SS6)	5,5	132S	490	1175	250	250	50	100	470	90	440	740	1120	190	500	22	253	175			
D4K65-250C-FC(-SS6)	5,5	132S	490	1175	250	250	50	100	470	90	440	740	1120	190	500	22	263	175			
D4K65-315CL-FC(-SS6)	7,5	132M	540	1285	275	280	50	125	470	90	490	840	1250	205	555	22	264	211,5			
D4K65-315BL-FC(-SS6)	11	160M	540	1343	275	280	50	125	470	90	490	840	1250	205	555	22	296	252,5			
D4K65-315AL-FC(-SS6)	11	160M	540	1343	275	280	50	125	470	90	490	840	1250	205	555	22	325	252,5			
D4K80-160E-FC(-SS6)	1,1	90S	450	1050	230	225	50	125	360	75	400	660	1000	170	455	22	140	113,1			
D4K80-160D-FC(-SS6)	1,5	90S	450	1050	230	225	50	125	360	75	400	660	1000	170	455	22	149	119,1			
D4K80-160C-FC(-SS6)	1,5	90S	450	1050	230	225	50	125	360	75	400	660	1000	170	455	22	156	119,1			
D4K80-160B-FC(-SS6)	2,2	100L	450	1050	230	225	50	125	360	75	400	660	1000	170	455	22	165	125,1			
D4K80-160A-FC(-SS6)	3	100L	450	1050	230	225	50	125	360	75	400	660	1000	170	455	22	172	129,1			
D4K80-200B-FC(-SS6)	4	112M	490	1170	230	250	50	125	470	75	440	740	1120	190	480	22	196	156,8			
D4K80-200B-FC(-SS6)	5,5	132S	490	1200	230	250	50	125	470	75	440	740	1120	190	480	22	196	173,8			
D4K80-200A-FC(-SS6)	5,5	132S	490	1200	230	250	50	125	470	75	440	740	1120	190	480	22	207	173,8			
D4K80-250B-FC(-SS6)	5,5	132S	540	1285	250	280	50	125	470	90	490	840	1250	205	530	22	242	195,8			
D4K80-250A-FC(-SS6)	7,5	132M	540	1285	250	280	50	125	470	90	490	840	1250	205	530	22	260	202			
D4K80-315B-FC(-SS6)	11	160M	540	1343	300	315	50	125	470	90	490	840	1250	205	615	22	288	254,8			
D4K80-315A-FC(-SS6)	15	160L	610	1435	300	315	50	125	470	90	550	940	1400	230	615	26	319	281,8			
D4K100-200B-FC(-SS6)	5,5	132S	490	1200	250	280	50	125	470	90	440	740	1120	190	530	22	206	197,8			
D4K100-200A-FC(-SS6)	7,5	132M	490	1240	250	280	50	125	470	90	440	740	1120	190	530	22	213	209,8			
D4K100-250E-FC(-SS6)	7,5	132M	540	1300	275	280	50	140	470	90	490	840	1250	205	555	22	228	224,8			
D4K100-250D-FC(-SS6)	7,5	132M	540	1300	275	280	50	140	470	90	490	840	1250	205	555	22	246	224,8			
D4K100-250D-FC(-SS6)	11	160M	540	1358	275	280	50	140	470	90	490	840	1250	205	555	22	246	265,8			
D4K100-250A-FC(-SS6)	11	160M	540	1358	275	280	50	140	470	90	490	840	1250	205	555	22	263	265,8			
D4K100-315B-FC(-SS6)	15	160L	610	1450	300	315	50	140	470	90	550	940	1400	230	615	26	307	305,7			
D4K100-315A-FC(-SS6)	18,5	180M	610	1450	300	315	50	140	470	90	550	940	1400	230	615	26	330	340,7			
D4K100-400C-FC(-SS6)	22	180L	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	356	450,7			
D4K100-400B-FC(-SS6)	30	200L	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	385	507,5			
D4K100-400A-FC(-SS6)	37	225S	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	410	562,5			



Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

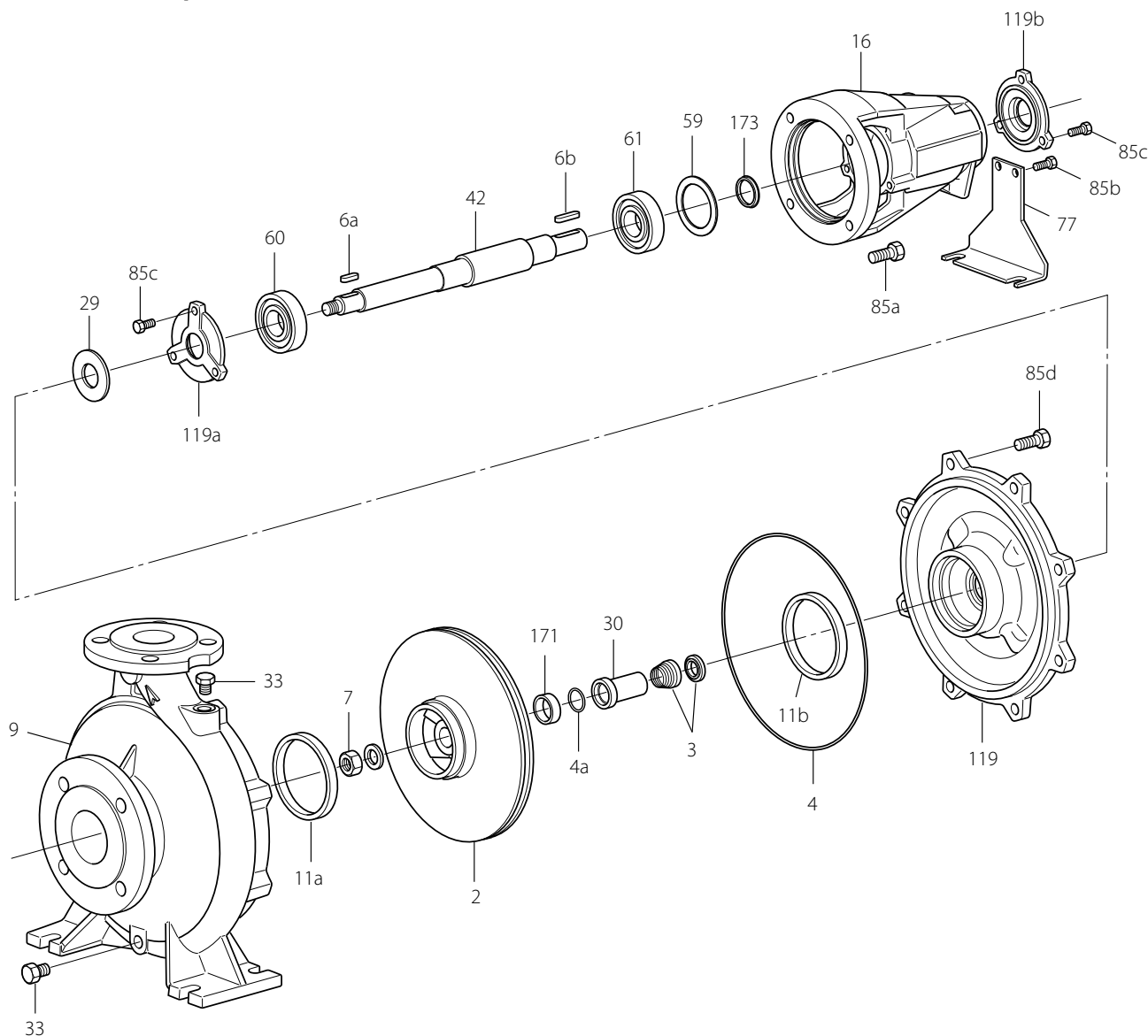
Irrigua™-1DK - VALCO CENTRIFUGAL SINGLE STAGE PUMPS EN 733 (EX DIN 24255) STANDARD IN CAST IRON OR STAINLESS STEEL (-SS6). BARE SHAFT (1DK) OR WITH STANDARD IEC ELECTRIC MOTOR WITH FLEXIBLE COUPLING, 2 POLE (1DK-FC) AND 4 POLE (1D4K-FC).

4 POLE			With standard IEC motor and flexible coupling																	Diam. Imp	Kg	DNa	DNm
TYPES	kW	Motor size	DIMENSIONS in mm																				
			W	L	a	a1	a3	b	b1	c	d	f	f1	f2	H1	r							
D4K125-250B-FC(-SS6)	11	160M	540	1358	300	355	50	140	470	90	490	840	1250	205	655	22	244	298,1	150	125			
D4K125-250A-FC(-SS6)	15	160L	610	1450	300	355	50	140	470	90	550	940	1400	230	655	26	263	325,1					
D4K125-315C-FC(-SS6)	22	180L	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	272	459,1					
D4K125-315B-FC(-SS6)	30	200L	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	307	516					
D4K125-315A-FC(-SS6)	37	225S	660	1630	365	355	85	140	530	110	600	1060	1600	270	720	26	336	571					
D4K125-400C-FC(-SS6)	45	225M	660	1630	400	400	85	140	530	110	600	1060	1600	270	800	26	368	614,2					
D4K125-400B-FC(-SS6)	55	250M	660	1630	400	400	85	140	530	110	600	1060	1600	270	800	26	394	673					
D4K125-400A-FC(-SS6)	75	280S	730	1830	400	400	85	140	530	110	670	1200	1800	300	805	26	410	831,4					
D4K150-315D-FC(-SS6)	30	200L	730	1850	365	400	85	160	530	110	670	1200	1800	300	765	26	280	550,9					
D4K150-315C-FC(-SS6)	37	225S	730	1850	365	400	85	160	530	110	670	1200	1800	300	765	26	298	605,9					
D4K150-315B-FC(-SS6)	45	225M	730	1850	365	400	85	160	530	110	670	1200	1800	300	765	26	316	645,1					
D4K150-315A-FC(-SS6)	55	250M	730	1850	365	400	85	160	530	110	670	1200	1800	300	765	26	338	703,9					
D4K150-400C-FC(-SS6)	75	280S	730	1850	400	450	85	160	530	110	670	1200	1800	300	850	26	366	897,9					
D4K150-400B-FC(-SS6)	75	280S	730	1850	400	450	85	160	530	110	670	1200	1800	300	850	26	391	909,3					
D4K150-400A-FC(-SS6)	90	280M	730	1850	400	450	85	160	530	110	670	1200	1800	300	850	26	410	954,3					



Flanges				
DN	F2	F1	D holes	No holes
32	140	100	18	4
40	150	110	18	4
50	165	125	18	4
65	185	145	18	4
80	200	160	18	8
100	220	180	18	8
125	250	210	18	8
150	285	240	23	8
200	340	295	23	8
250	395	350	23	12
300	445	400	23	12

Parts list with exploded view



REF.	PART
2	IMPELLER
3	MECHANICAL SEAL
4	OR GASKET
4a	HOUSING O-RING
6a	FRONT KEY
6b	BACK KEY
7	IMPELLER STOP NUT
9	PUMP BODY
11a	PUMP BODY WEAR RING
11b	COVER WEAR RING
16	BRACKET
29	SPLASH RING
30	MECHANICAL SEAL HOUSING
33	PLUG
42	SHAFT
59	ADJUSTING RING
60	FRONT BEARING
61	BACK BEARING
77	FOOT
85a	BRACKET SCREW
85b	FOOT SCREW
85c	BRACKET COVER SCREW
85d	BODY COVER SCREW
119	COVER
119a	FRONT COVER
119b	BACK COVER
171	SPACER
173	V-RING

NOTE

To order SPARE PARTS always state:
 - pump type
 - part description
 - part reference number

EN 733 STANDARD

Directives:

Ecodesign directive (ErP) ErP2009/125/CE

Commission Regulation (EC) no.640/2009 (IE3) and (EU) no.4/2014

Commission Regulation (EU) no.547/2012 (MEI >0.4)

2006/42/EC on machinery, and amending Directive 95/16/EC

2011/65/EU on reduction of hazardous **(RoHS)**

2012/19/EU on waste electrical and electronic equipment **(WEEE)**

2014/30/EU relating to electromagnetic compatibility **(EMC)**

2014/35/EU on the market of electrical equipment designed for use with certain voltage limits **(LVD)**

and subsequent amendments and covering applied harmonized standards.

The Company was founded by Valerio Costenaro in 1976 in Marostica in the high technology region of VENETO, (Venice Region, North-east Italy). The company has flourished by the design and manufacture of an expanding range of pumps, booster sets, motors and associated fittings for their installation, built-to-order and Custom made units with a worldwide distribution.

Main Features and Advantages:

- the most complete range of pumps and motors to cover most of your pumping and motors requirements: we study, design and manufacture the Solutions to your Pumping Problems
- our pumps are made in Italy
- prompt rapid deliveries
- high technology, innovation and constant research: over 36 years longstanding experience with expertise over a century old
- process and production cycles to ISO standards with major International, Regional and National Certifications with Conformity to EU Directives, Regulations and Recommendations
- overdimensioned motors to handle voltage fluctuations; Single phase motors may be provided on request with overload motor protection, on 3 phase version the overload motor protection must be provided by the user and we can offer you our lines of control and protection panels (starters).
- special sealing arrangements with superior quality
- executions in cold pressed 304 or 316 stainless steel and cast iron, stainless steel and bronze castings for corrosion resistance and durability
- Executions Flame-proof ATEX Directive 94/9/EC for equipment intended for use in potentially explosive atmospheres Eexd-IIB-T3-II-2-G. Low Voltage versions 42V AC following rules CENELEC HD 400.1 for use in installations with safety rules against electrocution.
- pumps, motors and associated fittings meeting world standards and regulations and designed and made for high efficiency and lower power consumption to save and optimize water and energy and with a full line of pumps suitable for waters for human consumption
- constant research by our PUMP & MOTOR RESEARCH CENTRE in the development of new and more advanced products. The research and development of pumping sets for customers individual requirements are carried out by our Special Pumps Division: specialty pumps built to customers' requirements.
- highly sophisticated electronic testing facilities – our Pump & Motor Test Laboratory – guarantee top quality: all units are tested before despatch – every process cycle and every finished product are tested against a number of performance parameters before being packed
- high efficiency and consequently saving of energy due to low power consumption
- a global strategy for the promptest delivery of spare parts in a competitive manner

- service covering from enquiry to after-sale all throughout the pump life.

High Value Quality Pumps and Motors.

Our Quality is the result of more than 36 years Experience made of hard daily work, deep problem understanding with solutions implemented, thorough hard conformity tests for every production phase, strict field performance tests, hard durability tests, destructive tests, ISO conformity methods and full adherence to our strict tough Standards according to the innovative worldwide tested and fully reliable Valco Quality Method®.

Service Back up and Spare Parts Supply

Committed to the Customers since 1976 with Full Customer Service and Backup Support and rapid Supply of our Genuine Spares: organized in providing the Spare Parts even after 30 years operation and with a Worldwide Network of Service Centres with Specialists trained to Valco Standards. To help our Customers in handling with flexibility and fairness any maintenance and repair problems, Spare Parts are supplied to our Customers at special low prices.

Partnership and Co-operation

Our Company Growth from the very beginning into the future is based on building of Partnerships. We believe in Partnerships and Co-operation and this ensures us a stable sound constantly innovative Manufacturing and Distribution basis with highest degree of Reliability, utmost Flexibility and high and trustworthy Production Capacity with rapid Lead times to mutual Benefit. We control all phases of the Production Cycle: from Raw materials to finished products and after-sale Service with Maintenance, Repair and Supply of our genuine Spare Parts.

We want to help our Customers to be Successful, by providing the Best Products and the Highest Service at Competitive Market Prices.

Water and Energy Resources

We care for the Full Cycle of Water with the aim of Recovering the maximum amount possible through Renewable Energy Sources and VALCO is deeply involved to contribute to a better future and we are active with our following Innovative Units:

- Valco Environmental and Renewable Energy Sources Unit for Solutions developing and using Renewable Energy Sources aware and caring for Environmental Impact and Concern: Solar, Photovoltaic, Natural and Biomass Gases.
- Valco Pumping Water Packages, Watermakers, Clean Water Safety Kits, Field Portable and Movable Units for Water Potabilization and Plants with Emergency Solutions for Water Provision also with Reverse Osmosis Systems, Techniques for Searching Underground Waters, Water Well Drilling, Water Treatment for Spunlace or Hydroentanglement and Geothermal techniques

to explore and exploit Geothermal Fluid Resources for Thermal Resorts (Spas) and for Civil, Industrial, Agricultural and Heating. We also provide consultancy, know-how, service and techniques to find water sources®.

- Valco Energy Plants for Energy production with Generating Sets, Alternators, Diesel and Gas Engines also using natural and biomass gases and Solutions for Residential, Industrial, Agricultural, Civil, Emergency and Civil Protection Uses, Solar and Photovoltaic Systems®. Water Turbines for the production of Green Energy. Where there is no electricity we provide Petrol and Diesel Motorpumps, DC Pumps, Generating Sets, Solar and Photovoltaic Systems.
- Valco Air Conditioning and Air Refrigeration Components and Technologies®.
- Valco pumps and motors training school®.

VALCO WATER and ENERGY DIVISION:

For the most efficient sustainable use of water and energy resources®.

Always at your Service with exclusive specialised distribution network supporting the customers requirements.

OUR MANUFACTURING RANGES

- SURFACE CENTRIFUGAL ELECTRIC PUMPS
- BOOSTER PRESSURIZATION SETS – PACKAGED PRESSURE UNITS and SYSTEMS
- DRAINAGE AND WASTEWATER SEWAGE NO-CLOG SUBMERSIBLE ELECTRIC PUMPS
- SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS
- FITTINGS a complete line of Fittings for Pumps and Pumping Systems
- COMPONENTS and RAW MATERIALS for PUMPS and MOTORS
- ELECTRIC MOTORS

OUR CUSTOMERS

- **Pumps specialized importers** • **Pumps distributors and Wholesalers**
- **Pumps dealers** • **Well Drillers** • **Pumps installers (plumbers)**
- **OEM Industrial Pumps End Users** • **Industrial Pumps Users**
- **Pumps Users**

We design and manufacture the most efficient, innovative and competitive pumping and motors solutions for you with flexibility and expertise, meeting your specific requirements with innovation and with trustworthy Care and Service from enquiry to installation all throughout the pump and motor life.

Product image could vary from the actual product.

Exclusive High-Tech Pumps for Water and other Fluids, Motors and Controls, in Standard or Custom Designs, manufacturing of:

- Electric Pumps: Borehole Submersible, Drainage and Sewage, Surface Centrifugal Close Coupled
- Controls and Fittings for Pumps and Pumping Installations
- Electric Motors (Compact AC Power) in Standard or Custom Designs

Exclusive High-Tech Pumps for Water and other Fluids, Motors and Controls, Made in ITALY by VALCO. Established in Marostica (Vicenza, Venice Region in North-East Italy) since 1976

We also manufacture and supply:



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VALCO®
water is the future®

VALCO® International trademark.

**HEAD OFFICE, WORKS,
PUMP & MOTOR TEST LABORATORY,
PUMP & MOTOR RESEARCH CENTRE
PUMPS & WATER HANDLING UNIVERSITY**

Pumps, Motors and Controls Manufacturing

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