QVC

HORIZONTAL, CENTRIFUGAL, VOLUTE-TYPE PUMPS WITH DUO-FLOW IMPELLER

ISH PUMPS OLOMOUC

APPLICATION

- primary and secondary water stations
- booster stations to increase the pressure in the water systems
- water supply systems in a wide range of industrial branches
- pumping, circulation and cooling circuits
- agriculture as pumping stations for large-area irrigation systems

WORKING CONDITIONS

- drinking or utility water
- medium temperature up to +80°C
- pH 6 - 11 for series LN
- pH 6 - 7,5 for series LB

TYPE IDENTIFICATION

200-QVC- 350- 42- LN-010- 01

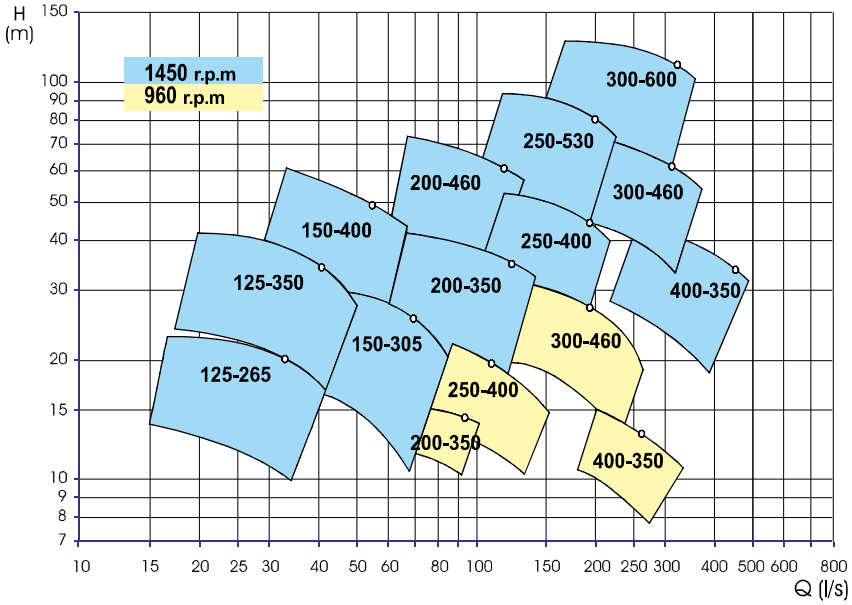
- 01 — motor type
- 010 — pump number
- LN — material specification
- 42 — impeller outlet channel width
- 350 — impeller nominal diameter
- QVC — pump type (QVC)
- 200 — nominal diameter of discharge pipe

WORKING AREA

PUMP SIZE	SHAFT SPEED (r.p.m.)	FLOW Q (l/s)	DELIVERY HEAD H (m)	TEMPERATURE MAX. (°C)
from 125-QVC-265 to 400-QVC-350	from 960 to1450	from 15 to 500	from 10 to 130	80

MATERIAL SPECIFICATION

Part name	LN	LB
pump body - bottom end	EN-GJL-200	EN-GJL-200
pump body - upper end	EN-GJL-200	EN-GJL-200
bearing body	EN-GJL-200	EN-GJL-200
impeller	EN-GJL-200	CuSn10-C
body seal ring	EN-GJL-200	CuSn10Zn2
shaft	1.0060	1.0060
base subframe	1.0570	1.0570



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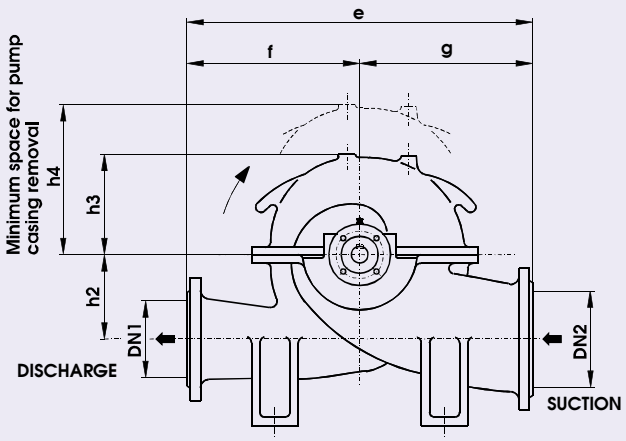
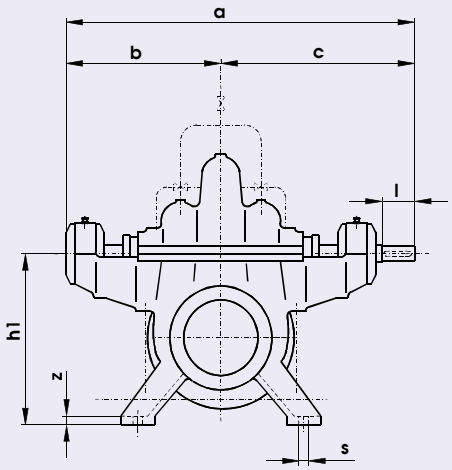
BASIC DIMENSIONS





Name	Discharge Pipe				Pump Dimensions (mm)													
Type	DN1	DN2	PN1	PN2	a	b	c	e	f	g	hl	h2	h3	h4	s	z	l	(kg)
125-QVC-265-25	125	150	10	10	780	350	430	700	350	350	330	170	210	450	19	16	60	280
125-QVC-350-16	125	150	10	10	780	350	430	740	370	370	335	170	245	550	18	18	60	291
150-QVC-305-30	150	200	10	10	815	365	450	800	400	400	400	195	240	500	24	20	58	325
150-QVC-400-20	150	200	10	10	920	410	510	900	450	450	400	195	280	600	23	20	82	340
200-QVC-350-42	200	250	10	10	990	445	545	930	430	500	450	205	275	550	24	26	82	402
200-QVC-460-26	200	250	10	10	1010	450	560	1100	550	550	450	220	315	650	23	20	82	420
250-QVC-400-48	250	300	10	10	1045	475	570	1060	530	530	500	260	325	650	24	30	82	450
250-QVC-530-32	250	300	16	10	1090	490	600	1340	670	670	500	260	370	750	28	30	105	760
300-QVC-460-60	300	350	10	10	1175	535	640	1200	600	600	560	290	345	700	34	30	95	730
300-QVC-600-40	300	400	16	10	1365	615	750	1600	800	800	580	290	425	850	33	35	170	820
400-QVC-350-97	400	500	10	10	1240	570	670	1400	700	700	670	300	370	650	34	30	95	780
400-QVC-350-118	400	500	10	10	1240	570	670	1400	700	700	670	300	370	650	34	30	95	780

SEAL DESIGN

- hydraulic area tightness on both ends achieved by means of shaft packing
  - non- fooded
  - flooded from foreign source (for polluted water)
- types of seals
  - soft cord packing

MOTORS

- foot-mounted electric motor drive
- diesel engine drive
- driving force transmitted using a flexible coupling
  - flexible coupling without a spacer
  - flexible coupling with a spacer

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