**I Application**

Due to its sanitary and economical design, HYGINOX SEN pump is used as main process pump in the food-processing, pharmaceutical and cosmetic industries. It is also recommended for CIP processes.

**I Design and features**

HYGINOX SEN is a range of close-coupled centrifugal pumps with sanitary design, compact and highly efficient. It is made of a cold-formed stainless steel casing, investment casting open impeller, mechanical seal, pump cover, lantern and shaft, connected to the motor shaft by mechanical compression. The lantern is suitable for the assembly of NEMA motors.

**I Technical specifications**

Parts in contact with the product	AISI 316L (1.4404)
Other steel parts	AISI 304 (1.4301)
Gaskets in contact with the product	EPDM

Internal single mechanical seal EN 12756 I1k:

Rotary part	Silicon carbide (SiC)
Stationary part	Carbon (C)
Gaskets	EPDM

Surface finish:

Internal	Ra<0,8 µm
External	Matt

Connections: CLAMP

Operating limits:

Nominal pressure	10 bar	145 PSI
Temperature range	-10°C to +120 °C	14 °F to 248 °F
	+140°C (SIP, max. 30 min.)	284 °F
Maximum flow (at 3500 rpm)	145 m <sup>3</sup> /h	638 US GPM
Maximum differential head (at 3500 rpm)	90 m	295 ft

**I Motor**

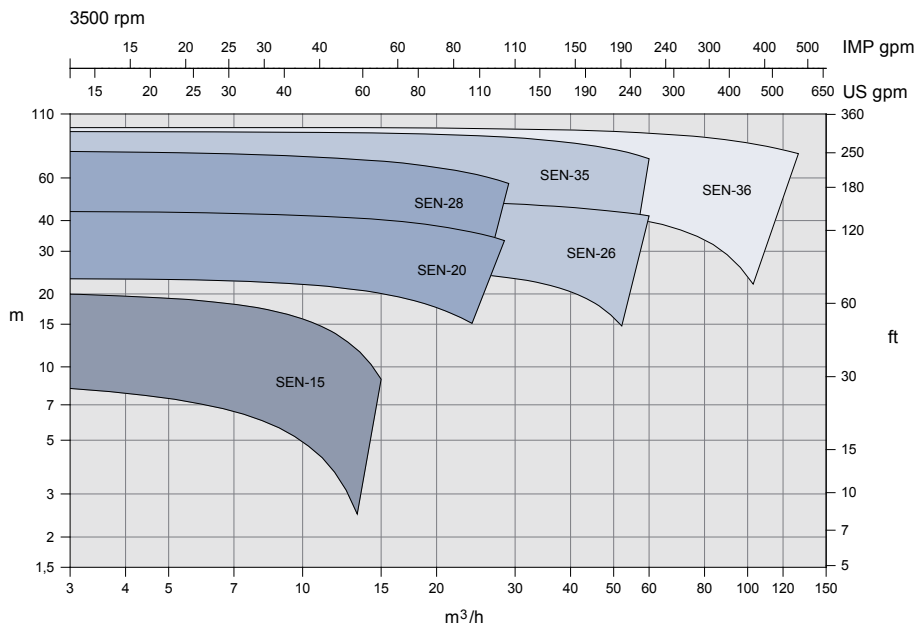
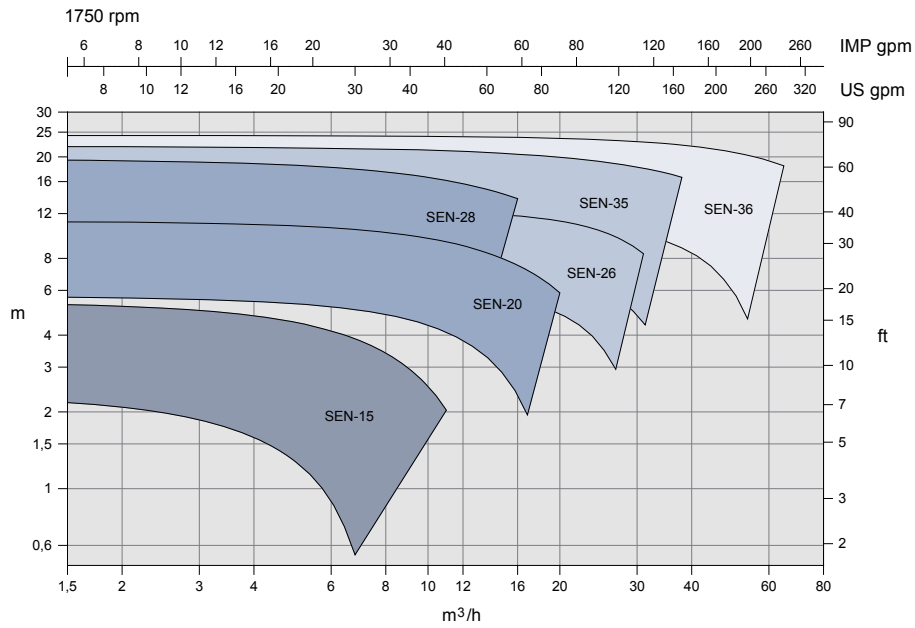
NEMA Premium Efficiency three-phase induction motor, C-face and foot mounted.



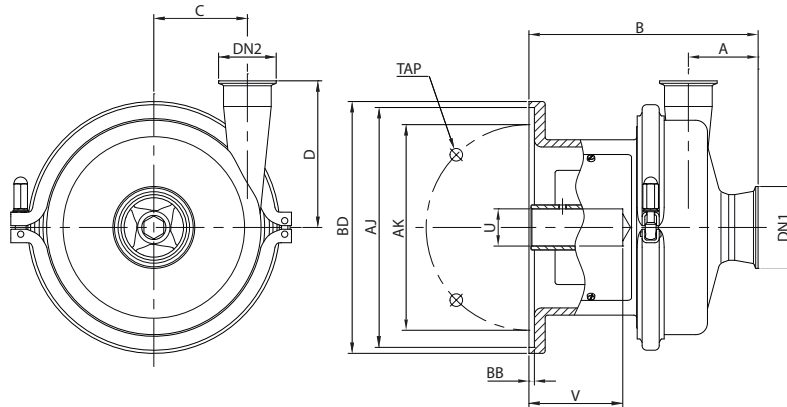
## I Options

- Mechanical seal: SiC/SiC.
- Gaskets: FPM and PTFE.
- Pump casing with heating jacket.
- Drain port.
- Other connection types.
- Motor with different options.
- Trolley and/or control panel.

## I Performance charts



I General dimensions



Pump	Motor	DN1	DN2	A	B	C	D	U	V	AJ	AK	BB	BD	TAP	kg
SEN-15	56C	1 1/2"	1 1/2"	1,69	6,69	2,17	3,62	0,62	2,17	4,5	5,87	0,16	6,61	0,43	6
	143/145TC							0,87	2,2						
SEN-20	56C	2"	1 1/2"	2,09	7,13	2,91	5,16	0,62	2,17	4,5	5,87	0,16	6,61	0,43	8
	143/145TC				7,13			0,87	2,2						
	182/184TC				8,44			1,13	2,95	8,5	7,25	0,24	9,06	0,55	10
	213/215TC				8,44			1,38	3,46						
SEN-26	56C	3"	2"	2,4	7,68	2,83	5,71	0,62	2,17	4,5	5,87	0,16	6,61	0,43	8
	143/145TC				0,87			2,2							
	182/184TC				9,02			1,13	2,95	8,5	7,25	0,24	9,06	0,55	10
	213/215TC				9,02			1,38	3,46						
SEN-28	143/145TC	1 1/2"	1 1/2"	2,36	7,09	4,17	5,39	0,87	2,2	4,5	5,87	0,16	6,61	0,43	13
	182/184TC				1,13			2,95							
	213/215TC				1,38			3,46	8,5	7,25	0,24	9,06	0,55	14	
	254/256TC				9,19			1,63							4,09
SEN-35	143/145TC	3"	2"	3,03	7,93	4,09	6,42	0,87	2,2	4,5	5,87	0,16	6,61	0,43	14
	182/184TC				1,13			2,95							
	213/215TC				1,38			3,46	8,5	7,25	0,24	9,06	0,55	15	
	254/256TC				9,31			1,63							4,09
	284/286TSC				10,04			10,5	9	11,02	17				
SEN-36	182/184TC	4"	3"	2,32	8,54	3,86	7,24	1,13	2,95	8,5	7,25	0,24	9,06	0,55	17
	213/215TC				1,38			3,46							
	254/256TC				9,31			1,63	4,09	10,5	9	11,02	21		
	284/286TSC				9,31			10,5	9					11,02	20

Dimensions in inches

