

**BEDU**  
≡ POMPEN ≡

**EVMS SERIES  
VERTICAL MULTISTAGE  
CENTRIFUGAL PUMPS**



**made for your process**

# EVMS(L)(G)



## Vertical multistage pumps in AISI 304, AISI 316L, cast iron

Vertical multistage pumps in AISI 304 (EVMS), AISI 316 (EVMSL) stainless steel and cast iron (EVMSG) multistage pumps. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems.



Available in AISI 316 (EVMSL)



Available in cast iron (EVMSG)



Easy maintenance



High efficiency



Different solutions for pipe connections

## Innovative hydraulic solutions

Any motor, anywhere.

- **Commercial motors** can be fitted to all of the pump models without any modifications thanks to low pump axial thrust load
- **Long life of the motor bearing**
- **High pump efficiency** classified in MEI > 0.7 as the most efficient models
- **Patent Pending**

## Technical data

<b>Nominal flow rate</b>	1, 3, 5, 10, 15, 20, 32, 45, 64, 90 m <sup>3</sup> /h
<b>Max working pressure</b>	1.6, 2.5, 3.0, 3.5 MPa (16, 25, 30, 35 bar)
<b>Liquid temperature range (clear water)</b>	-30°C to 140°C
<b>MEI</b>	> 0,7
<b>Poles</b>	2
<b>Insulation class</b>	F for single phase version F (temperature rise class B) for three phase version
<b>Protection degree</b>	IP55 (up to 11kW), IP56 (above 15kW)
<b>Voltage</b>	Single phase 230V±10% Three phase 230/400V±10% (up to 4kW) 400/690V±10% (above 5.5kW)

# EVMS(L)(G)

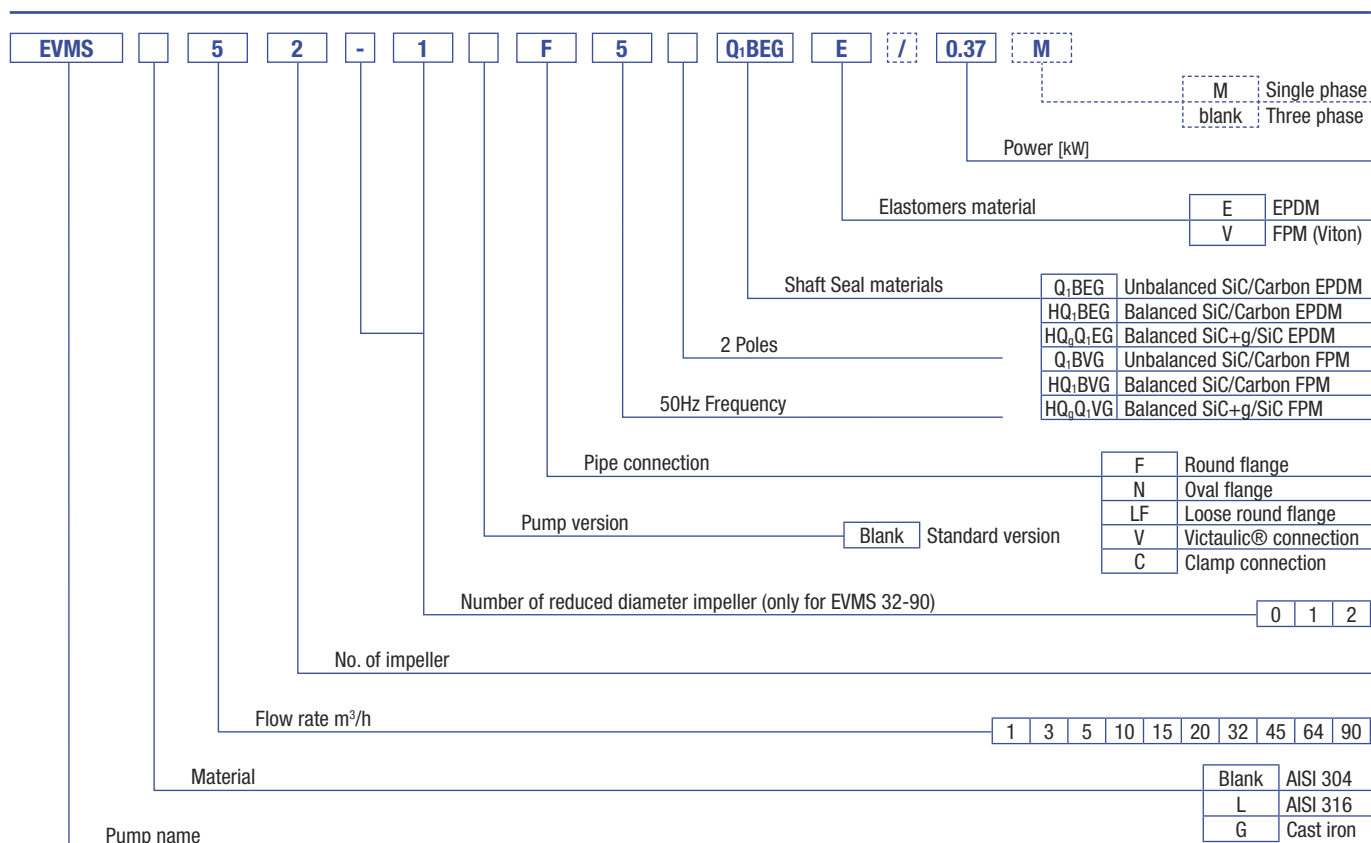


Vertical multistage pumps in AISI 304, AISI 316, cast iron

## Materials

Components	EVMSG	EVMS	EVMSL
Impeller	AISI 304 (EN 1.4301)	AISI 304 (EN 1.4301)	AISI 316L (EN 1.4404)
Outer casing	AISI 304 (EN 1.4301)	AISI 304 (EN 1.4301)	AISI 316L (EN 1.4404)
Shaft	AISI 304 (EN 1.4301) AISI 329A (EN 1.4462) depends on models	AISI 304 (EN 1.4301) AISI 329A (EN 1.4462) depends on models	AISI 316L (EN 1.4404) AISI 329A (EN 1.4462)
Mechanical seal	SiC/Carbon/EPDM or FPM SiC graphite/SiC/EPDM or FPM		
Tie rod	AISI 431 (EN 1.4057) (EN 1.4057)		
Motor bracket	Cast iron ENGJL-200 EN1561		
Bottom casing	Cast iron	AISI 304 (EN 1.4301) ASTM CF8 (EN 1.4308)	AISI 316L (EN 1.4404) ASTM CF8 (EN 1.4308)

## Identification code










# EVMS(L)(G)



Vertical multistage pumps in AISI 304, AISI 316, cast iron

## Bottom casing

Material	Round flange DIN (incl. ANSI depending on models)	Loose Flange DIN (incl. ANSI depending on models)	Oval Flange	Victaulic®	Clamp
AISI304/ AISI316L					
ASTM CF8/ ASTM CF8M					
Cast Iron					

## Smart plug solutions



Air ventilation plug



Water filling  
& sensor plug



Commercial  
sensor fitting



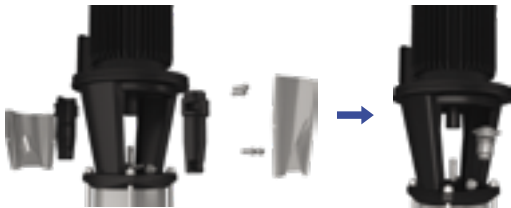
Measurements  
for suction  
and discharge  
pressure / drain



Two priming plugs are on both sides of  
motor brackets **for EVMS32-90**.  
A ventilation plug is integrated with  
one priming plug



## Easy maintenance



- The **cartridge shaft seal** enables the **plug in replacement** of the shaft seal without disassembling the motor bracket
- The **spacer coupling** allows easy maintenance without having to remove heavy motors over 5,5 kW.

## Shaft seal solutions



- **Shaft seal material:**  
B: Resin impregnated carbon graphite  
Q: Sintered silicon carbide  
Qg: Silicon carbide with carbon graphite  
Carbon or graphite inclusions with silicon carbide can be used as **dry lubricant to reduce friction**.
- It's conforming to EN12756 (ex DIN 24960)

## EBARA standard motor solutions



- IE3 efficiency for both 50 and 60 Hz\* operation, according IEC 60034-30 standard.
- ETM motors are available from 0.75 up to 11 kW for both 50 and 60 Hz\*\*
- PTC sensors (thermistors) are standard from 1.5 kW upwards for motor protection at 150°C
- Unloosable screws and sealing are standard for terminal box fixing from 0.75 kW upwards
- Stable inverter mounting on fan covers made of pressed steel

\* IE3 for 60Hz is depending on motor size and voltage.

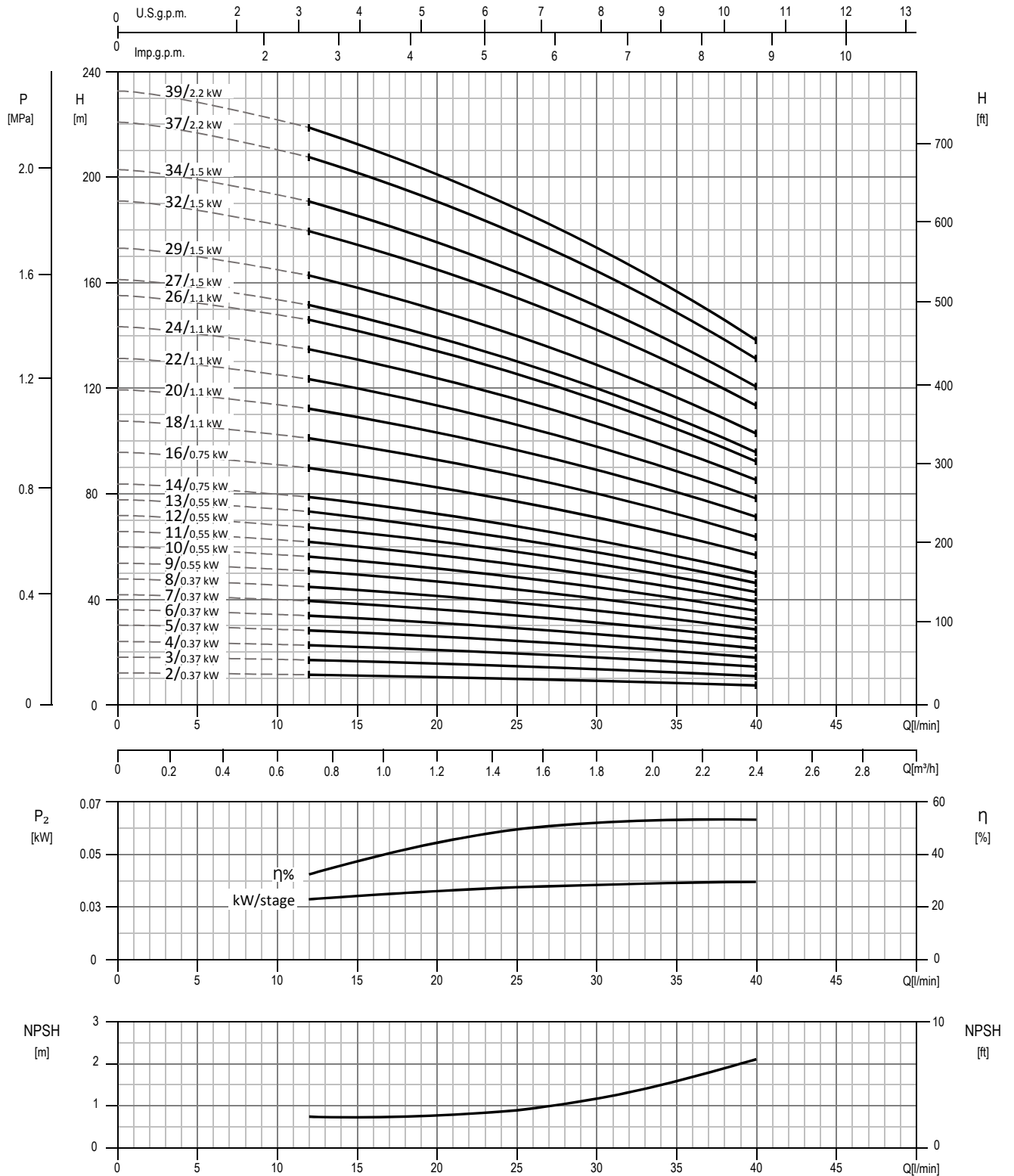
\*\* All other sizes including single phase motors are available with commercial IEC standard motors

# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 1

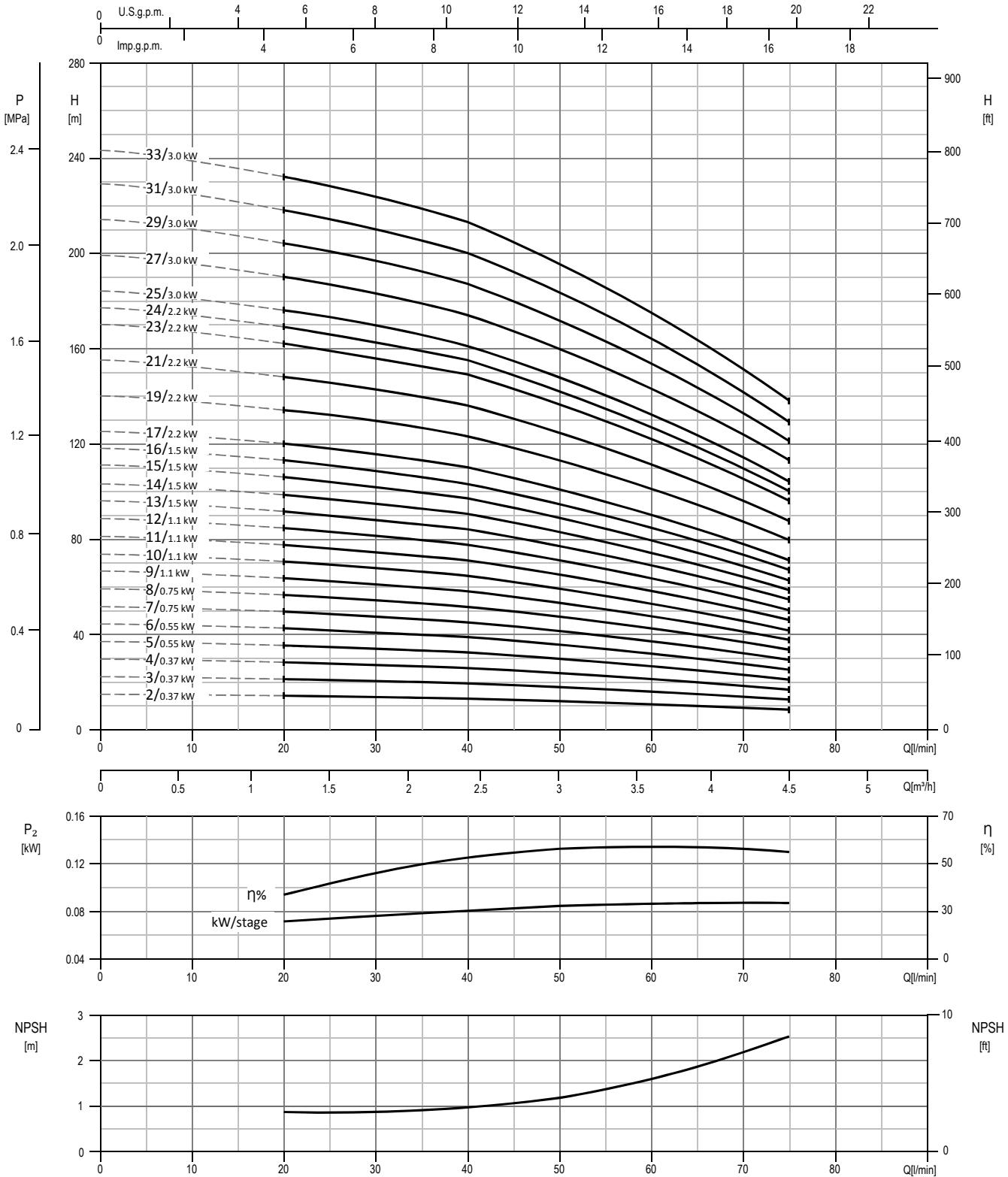


# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 3

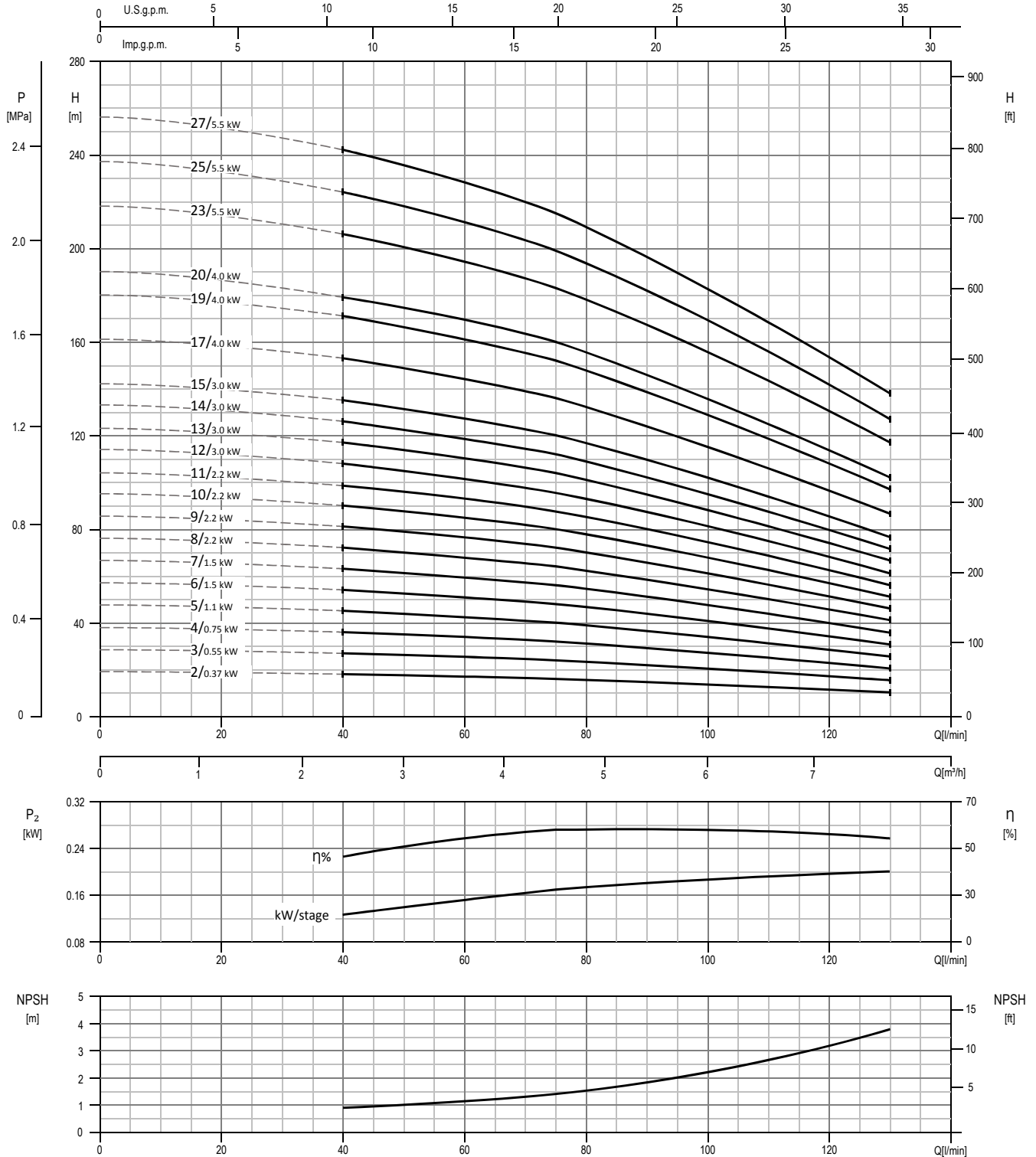


# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 5

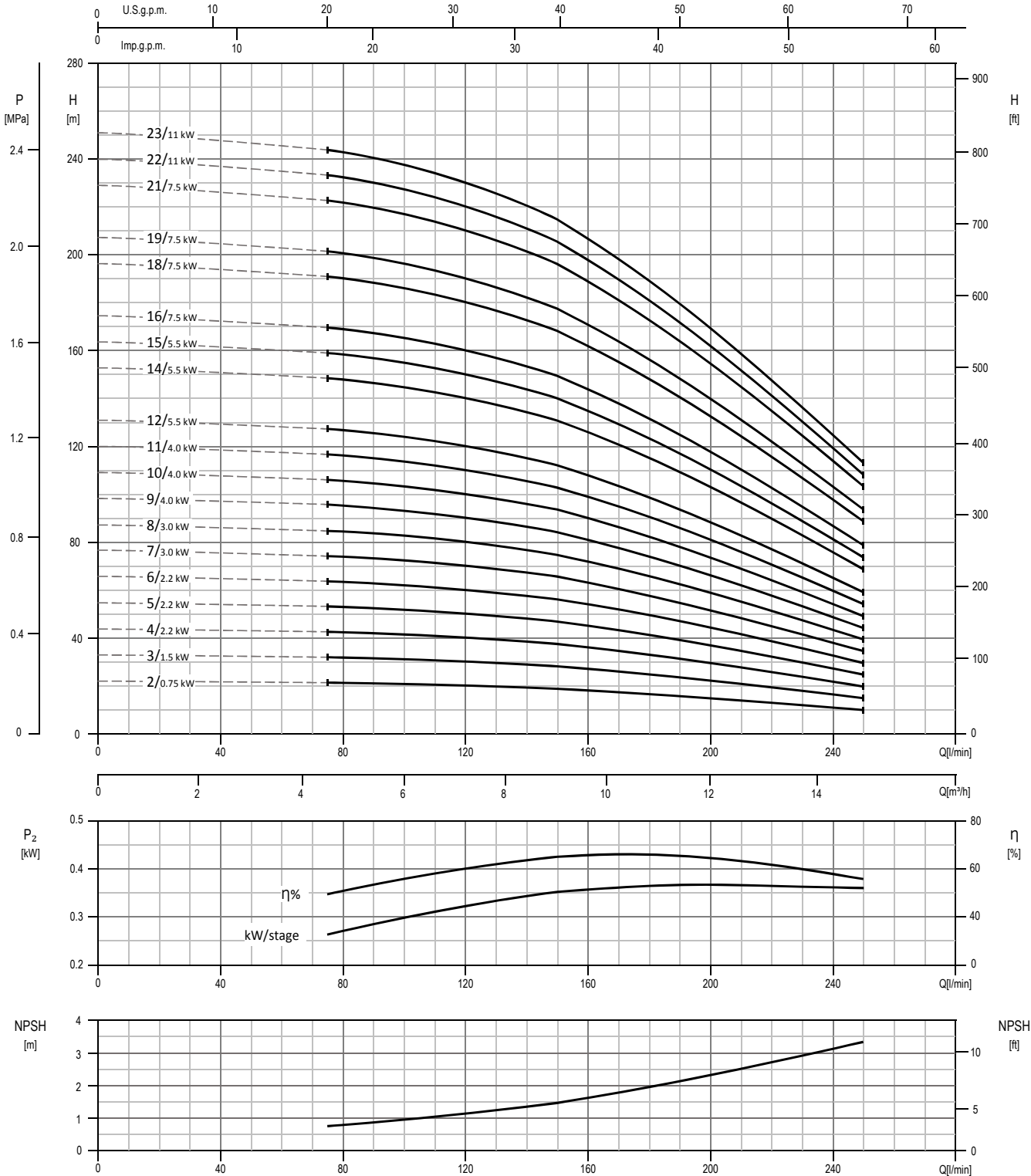


# EVMS(L)(G)



Vertical multistage pumps in AISI 304, AISI 316, cast iron

## PERFORMANCE CURVES EVMS(.) 10



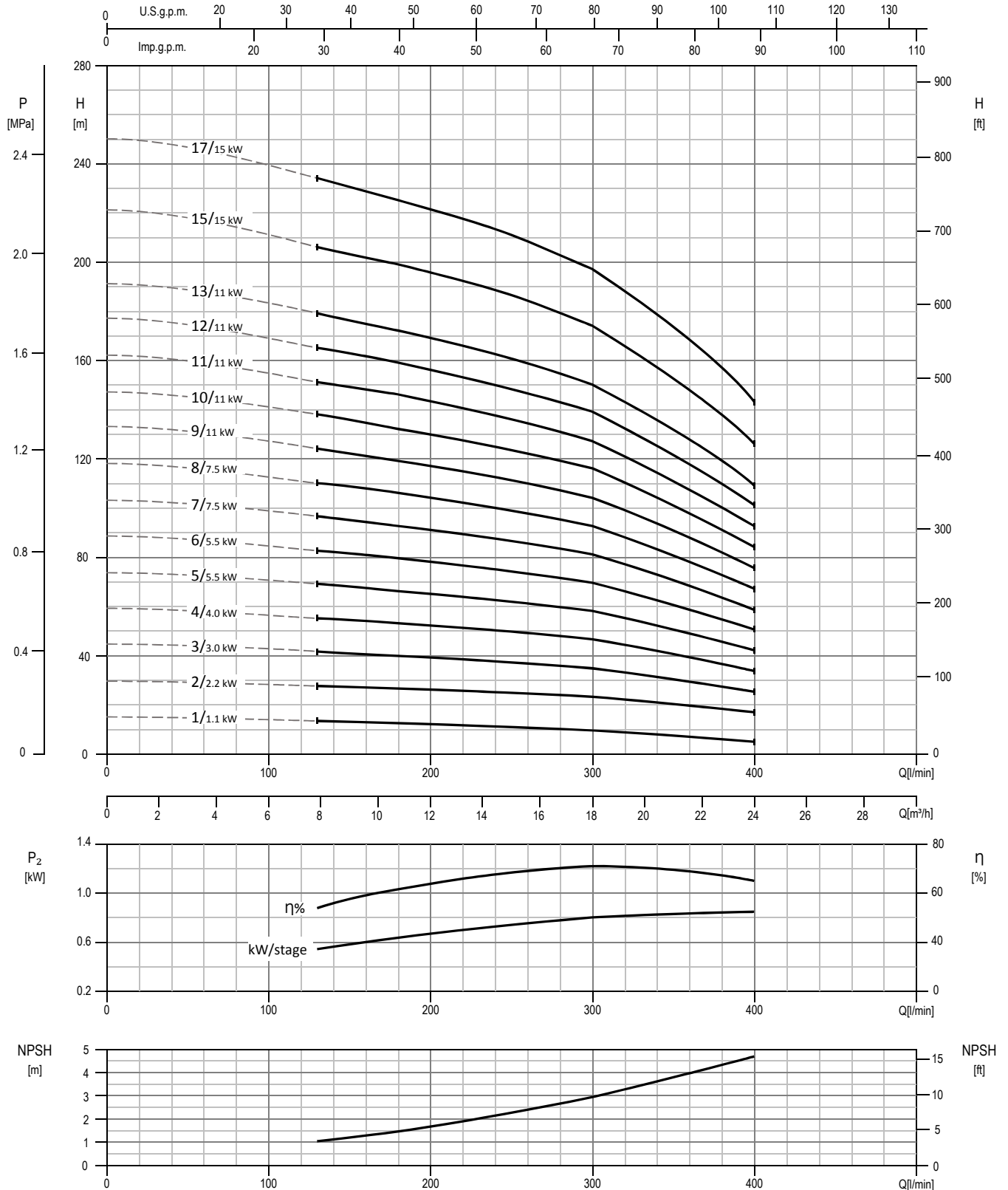


# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 15

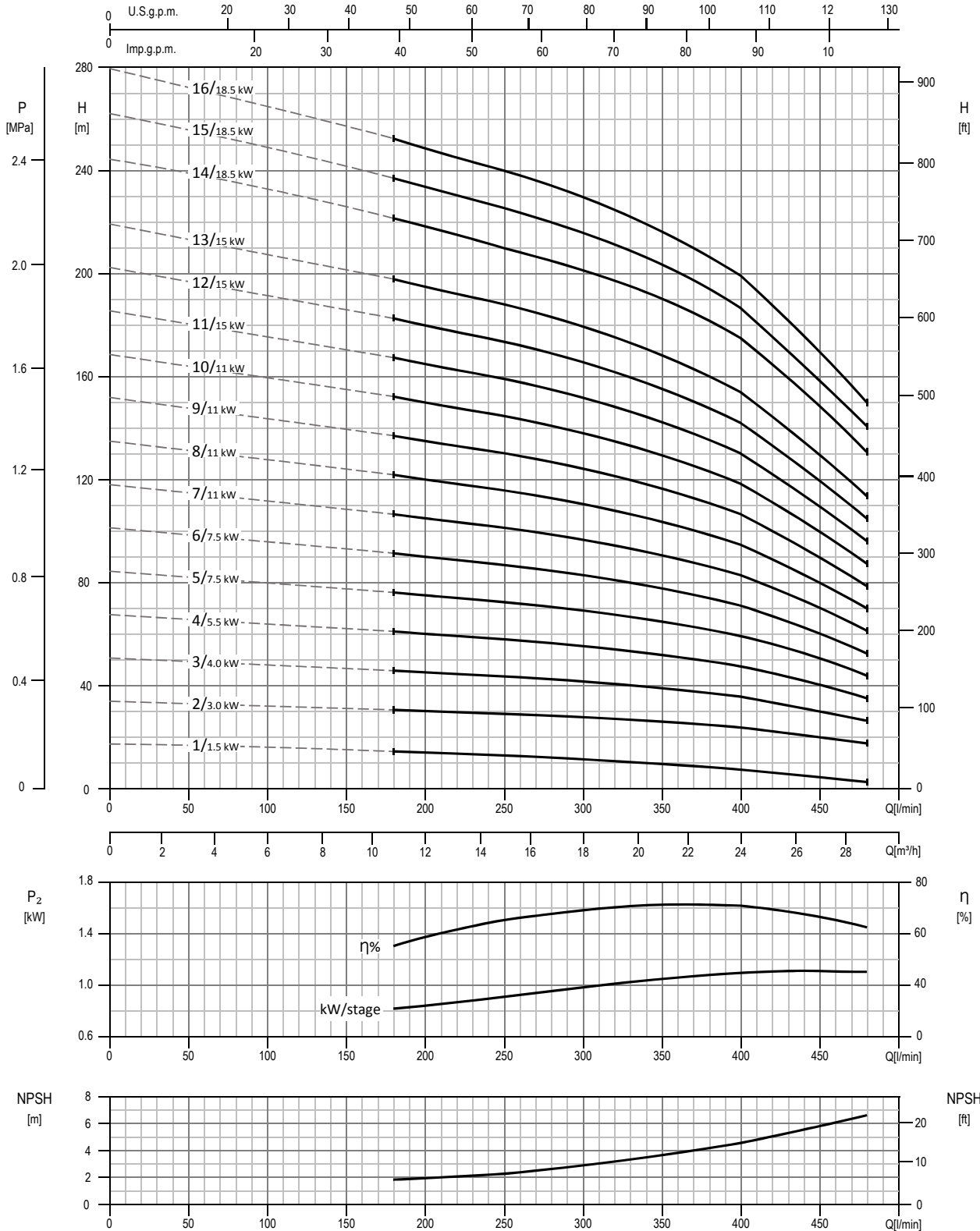


# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 20

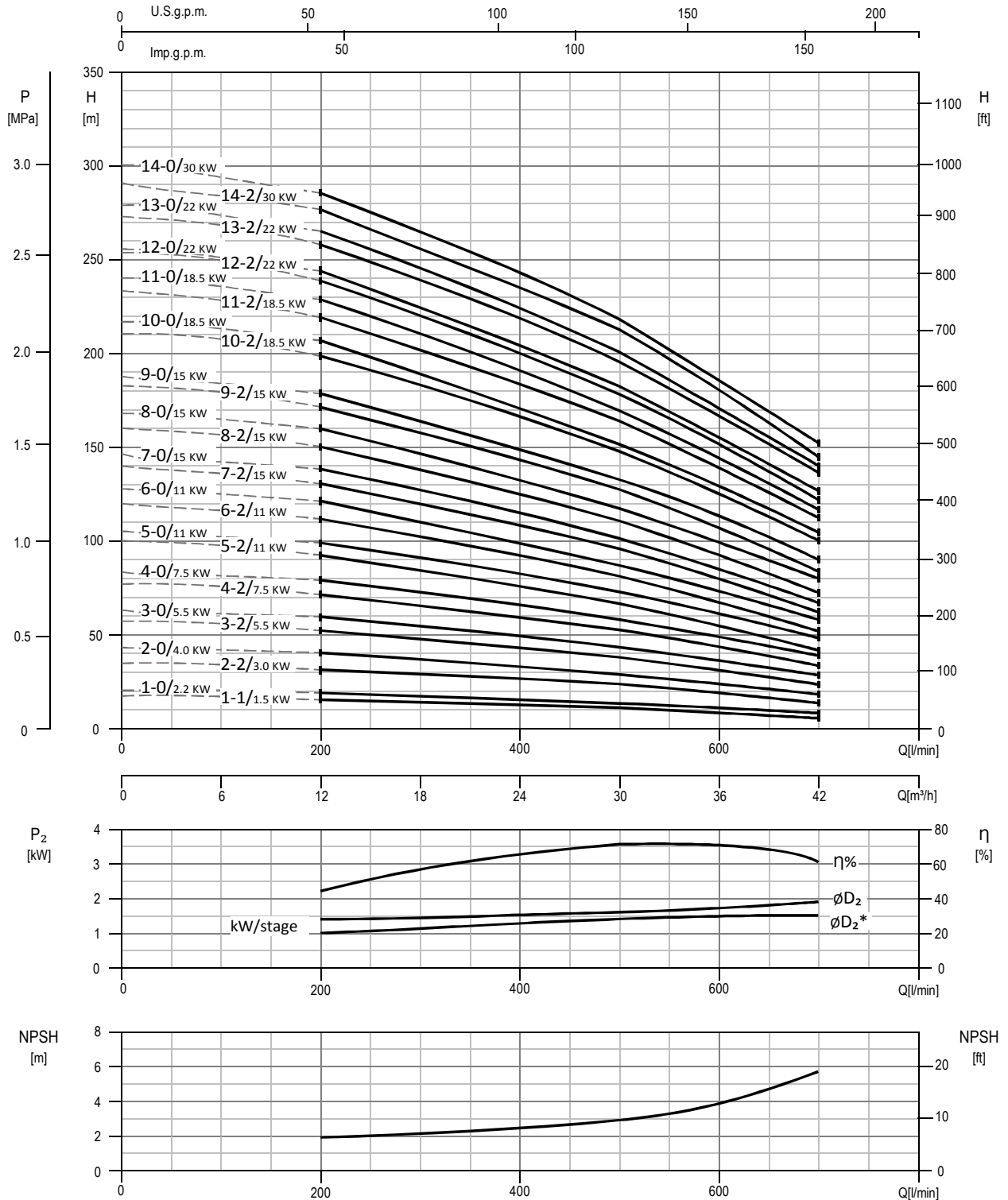


# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 32



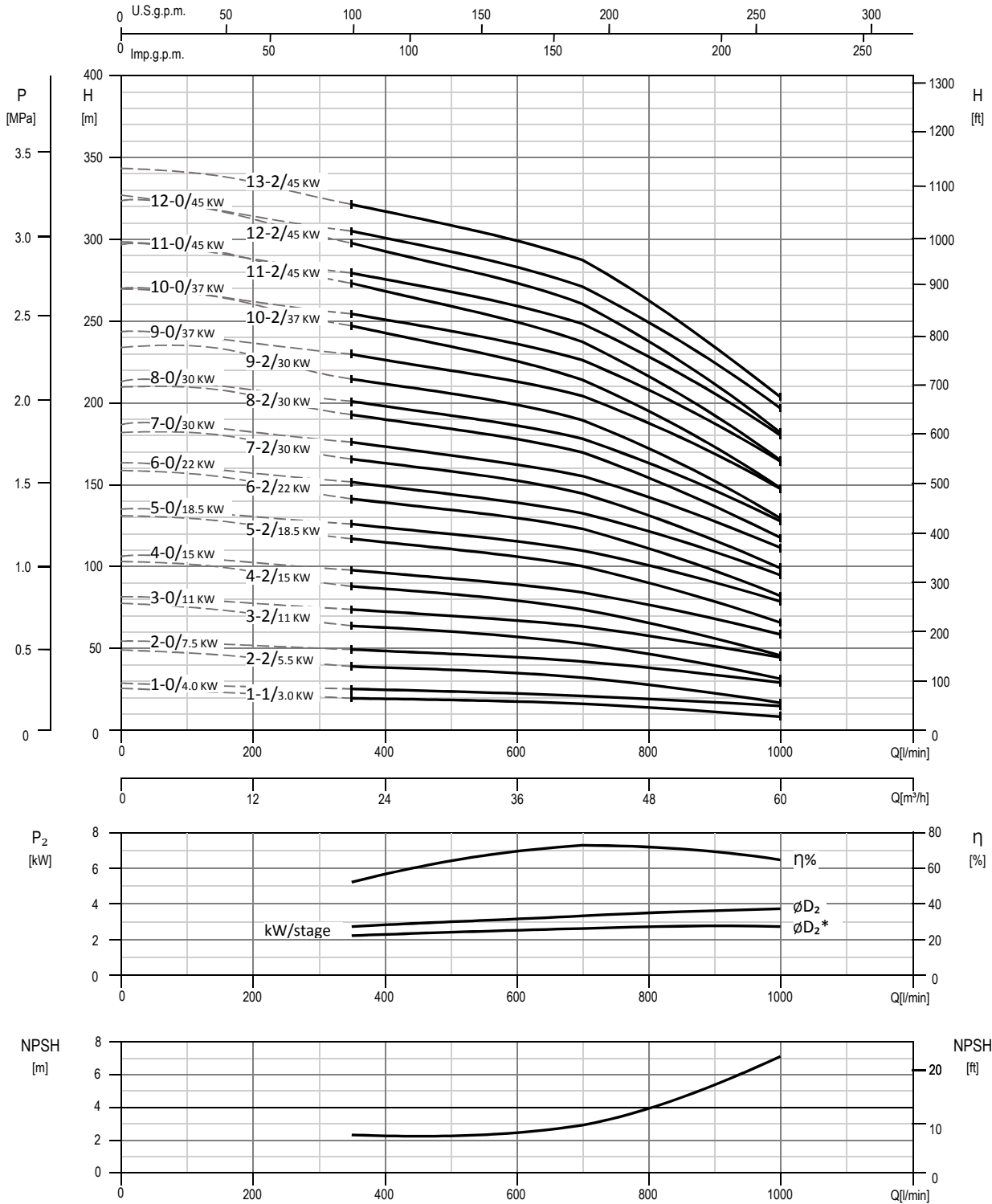
$\phi D_2 = P_2$  with full diameter  
 $\phi D_2^* = P_2$  with reduced diameter

# EVMS(L)(G)



Vertical multistage pumps in AISI 304, AISI 316, cast iron

## PERFORMANCE CURVES EVMS(.) 45



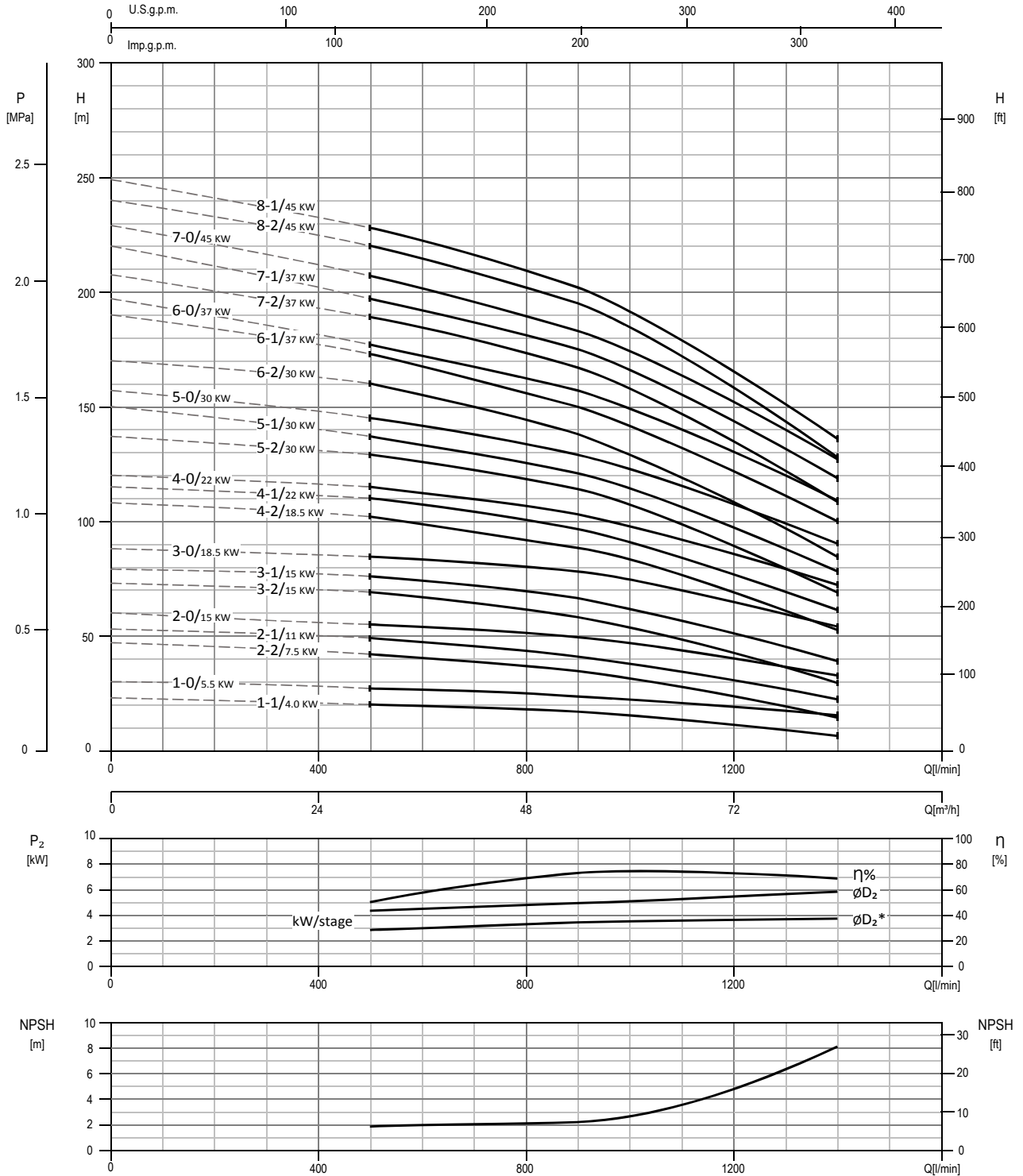
$\phi D_2 = P_2$  with full diameter  
 $\phi D_2^* = P_2$  with reduced diameter

# EVMS(L)(G)

Vertical multistage pumps in AISI 304, AISI 316, cast iron



## PERFORMANCE CURVES EVMS(.) 64



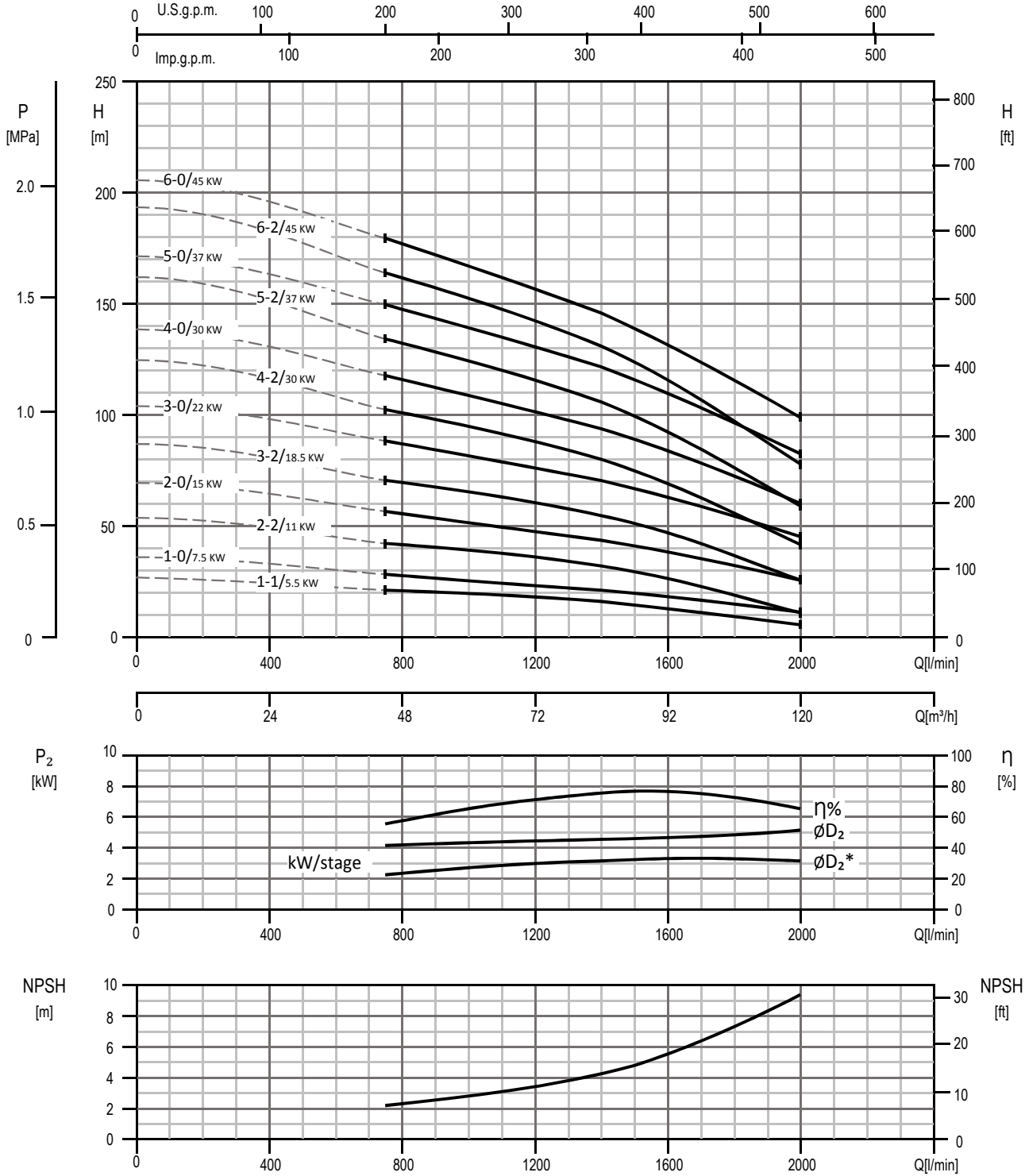
$\text{øD}_2 = P_2$  with full diameter  
 $\text{øD}_2^* = P_2$  with reduced diameter

# EVMS(L)(G)



Vertical multistage pumps in AISI 304, AISI 316, cast iron

## PERFORMANCE CURVES EVMS(.) 90



$\text{øD}_2 = P_2$  with full diameter  
 $\text{øD}_2^* = P_2$  with reduced diameter

# EVMS(L)(G) 1

## Vertical multistage pumps

### Selection table

Model		HP	kW	Q=Flow rate						Motor size	Capacitor		Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min m³/h	H=Total head [m]						µF	V <sub>c</sub>	[A]		
					0	12	20	30	40				1~ 230V	3~ 230V 400V	
EVMS(.)1 2/0.37M	EVMS(.)1 2/0.37	0,5	0,37		11,9	11,2	10,4	9,1	7,1	71	16	400	3,1	1,7	1,0
EVMS(.)1 3/0.37M	EVMS(.)1 3/0.37	0,5	0,37		17,9	16,8	15,6	13,6	10,6	71	16	400	3,1	1,7	1,0
EVMS(.)1 4/0.37M	EVMS(.)1 4/0.37	0,5	0,37		23,8	22,4	20,8	18,2	14,2	71	16	400	3,1	1,7	1,0
EVMS(.)1 5/0.37M	EVMS(.)1 5/0.37	0,5	0,37		30,0	28,0	26,0	22,7	17,7	71	16	400	3,1	1,7	1,0
EVMS(.)1 6/0.37M	EVMS(.)1 6/0.37	0,5	0,37		35,8	33,6	31,2	27,3	21,2	71	16	400	3,1	1,7	1,0
EVMS(.)1 7/0.37M	EVMS(.)1 7/0.37	0,5	0,37		41,5	39,2	36,4	31,8	24,8	71	16	400	3,1	1,7	1,0
EVMS(.)1 8/0.37M	EVMS(.)1 8/0.37	0,5	0,37		47,5	44,5	41,5	36,4	28,3	71	16	400	3,1	1,7	1,0
EVMS(.)1 9/0.55M	EVMS(.)1 9/0.55	0,75	0,55		53,5	50,5	47,0	41,0	31,8	71	16	400	3,9	2,6	1,5
EVMS(.)1 10/0.55M	EVMS(.)1 10/0.55	0,75	0,55		59,6	56,0	52,0	45,5	35,4	71	16	400	3,9	2,6	1,5
EVMS(.)1 11/0.55M	EVMS(.)1 11/0.55	0,75	0,55		65,5	61,5	57,0	50,0	38,9	71	16	400	3,9	2,6	1,5
EVMS(.)1 12/0.55M	EVMS(.)1 12/0.55	0,75	0,55		71,5	67,0	62,5	54,5	42,5	71	16	400	3,9	2,6	1,5
EVMS(.)1 13/0.55M	EVMS(.)1 13/0.55	0,75	0,55		77,5	73,0	67,5	59,0	46,0	71	16	400	3,9	2,6	1,5
EVMS(.)1 14/0.75M	EVMS(.)1 14/0.75	1	0,75		83,5	78,5	73,0	63,5	49,5	80	25	400	5,3	3,0	1,7
EVMS(.)1 16/0.75M	EVMS(.)1 16/0.75	1	0,75		95,5	89,5	83,0	72,5	56,5	80	25	400	5,3	3,0	1,7
EVMS(.)1 18/1.1M	EVMS(.)1 18/1.1	1,5	1,1		107,0	101,0	93,5	82,0	63,5	80	36	400	6,5	4,3	2,5
EVMS(.)1 20/1.1M	EVMS(.)1 20/1.1	1,5	1,1		119,0	112,0	104,0	91,0	71,0	80	36	400	6,5	4,3	2,5
EVMS(.)1 22/1.1M	EVMS(.)1 22/1.1	1,5	1,1		131,0	123,0	114,0	100,0	78,0	80	36	400	6,5	4,3	2,5
EVMS(.)1 24/1.1M	EVMS(.)1 24/1.1	1,5	1,1		143,0	135,0	125,0	109,0	85,0	80	36	400	6,5	4,3	2,5
EVMS(.)1 26/1.1M	EVMS(.)1 26/1.1	1,5	1,1		155,0	146,0	135,0	118,0	92,0	80	36	400	6,5	4,3	2,5
EVMS(.)1 27/1.5M	EVMS(.)1 27/1.5	2	1,5		161,0	151,0	140,0	123,0	95,5	90	35	400	8,8	5,8	3,3
EVMS(.)1 29/1.5M	EVMS(.)1 29/1.5	2	1,5		173,0	163,0	151,0	132,0	103,0	90	35	400	8,8	5,8	3,3
EVMS(.)1 32/1.5M	EVMS(.)1 32/1.5	2	1,5		191,0	179,0	166,0	145,0	113,0	90	35	400	8,8	5,8	3,3
EVMS(.)1 34/1.5M	EVMS(.)1 34/1.5	2	1,5		203,0	191,0	177,0	155,0	120,0	90	35	400	8,8	5,8	3,3
EVMS(.)1 37/2.2M	EVMS(.)1 37/2.2	3	2,2		221,0	207,0	192,0	168,0	131,0	90	40	400	12,9	8,2	4,7
EVMS(.)1 39/2.2M	EVMS(.)1 39/2.2	3	2,2		232,0	219,0	203,0	177,0	138,0	90	40	400	12,9	8,2	4,7

### Model configuration

Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 167	page 167	o	o	o	page 168	page 168
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 167	o	o	o	o	16 bar: o 25 bar: page 168
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.









# EVMS(L)(G) 3

Vertical multistage pumps

## Selection table

Model		HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min	0	20	30	40	60	75		1~ 230V	3~	
				m <sup>3</sup> /h	0	1,2	1,8	2,4	3,6	4,5	H=Total head [m]			
												230V	230V	400V
EVMS(.)3 2/0.37M	EVMS(.)3 2/0.37	0,5	0,37		14,7	14,1	13,6	12,9	10,9	8,3	71	3,1	1,70	1,00
EVMS(.)3 3/0.37M	EVMS(.)3 3/0.37	0,5	0,37		22,1	21,1	20,4	19,4	16,4	12,5	71	3,1	1,70	1,00
EVMS(.)3 4/0.37M	EVMS(.)3 4/0.37	0,5	0,37		29,5	28,2	27,1	25,8	21,9	16,7	71	3,1	1,70	1,00
EVMS(.)3 5/0.55M	EVMS(.)3 5/0.55	0,75	0,55		36,9	35,2	33,9	32,3	27,4	20,9	71	3,9	2,60	1,50
EVMS(.)3 6/0.55M	EVMS(.)3 6/0.55	0,75	0,55		44,2	42,5	40,5	38,8	32,8	25	71	3,9	2,60	1,50
EVMS(.)3 7/0.75M	EVMS(.)3 7/0.75	1	0,75		51,5	49,5	47,5	45	38,3	29,2	80	5,3	3,0	1,7
EVMS(.)3 8/0.75M	EVMS(.)3 8/0.75	1	0,75		59	56,5	54,5	51,5	44	33,4	80	5,3	3,0	1,7
EVMS(.)3 9/1.1M	EVMS(.)3 9/1.1	1,5	1,1		66,5	63,5	61	58	49	37,6	80	6,5	4,3	2,5
EVMS(.)3 10/1.1M	EVMS(.)3 10/1.1	1,5	1,1		73,5	70,5	68	64,5	54,5	41,5	80	6,5	4,3	2,5
EVMS(.)3 11/1.1M	EVMS(.)3 11/1.1	1,5	1,1		81	77,5	74,5	71	60	46,0	80	6,5	4,3	2,5
EVMS(.)3 12/1.1M	EVMS(.)3 12/1.1	1,5	1,1		88,5	84,5	81,5	77,5	65,5	50,0	80	6,5	4,3	2,5
EVMS(.)3 13/1.5M	EVMS(.)3 13/1.5	2	1,5		96	91,5	88	84	71	54,5	90	8,8	5,8	3,3
EVMS(.)3 14/1.5M	EVMS(.)3 14/1.5	2	1,5		103	98,5	95	90,5	76,5	58,5	90	8,8	5,8	3,3
EVMS(.)3 15/1.5M	EVMS(.)3 15/1.5	2	1,5		111	106	102	97	82	62,5	90	8,8	5,8	3,3
EVMS(.)3 16/1.5M	EVMS(.)3 16/1.5	2	1,5		118	113	109	103	87,5	67,0	90	8,8	5,8	3,3
EVMS(.)3 17/2.2M	EVMS(.)3 17/2.2	3	2,2		125	120	115	110	93	71,0	90	12,9	8,2	4,7
EVMS(.)3 19/2.2M	EVMS(.)3 19/2.2	3	2,2		140	134	129	123	104	79,5	90	12,9	8,2	4,7
EVMS(.)3 21/2.2M	EVMS(.)3 21/2.2	3	2,2		155	148	142	136	115	87,5	90	12,9	8,2	4,7
EVMS(.)3 23/2.2M	EVMS(.)3 23/2.2	3	2,2		170	162	156	149	126	96,0	90	12,9	8,2	4,7
EVMS(.)3 24/2.2M	EVMS(.)3 24/2.2	3	2,2		177	169	163	155	131	100,0	90	12,9	8,2	4,7
-	EVMS(.)3 25/3.0	4	3		184	176	170	161	137	104,0	100	-	11,1	6,4
-	EVMS(.)3 27/3.0	4	3		199	190	183	174	148	113,0	100	-	11,1	6,4
-	EVMS(.)3 29/3.0	4	3		214	204	197	187	159	121,0	100	-	11,1	6,4
-	EVMS(.)3 31/3.0	4	3		229	218	210	200	170	129,0	100	-	11,1	6,4
-	EVMS(.)3 33/3.0	4	3		243	232	224	213	181	138,0	100	-	11,1	6,4

## Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			 Oval flange (N)	 Round flange (F)	 Loose flange (LF)	 Victaulic® (V)	 Clamp (C)	 Oval flange (N)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 170	page 170	o	o	o	page 171	page 171
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 170	o	o	o	o	16 bar: o 25 bar: page 171
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.



# EVMS(L)(G) 5

## Vertical multistage pumps

### Selection table

Model		HP	kW	Q=Flow rate							Motor size	Capacitor		Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min m³/h	0	40	60	75	100	130		µF	V <sub>c</sub>	[A]			
					0	2,4	3,6	4,5	6	7,8				1~ 230V	3~ 230V	400V	690V
													<b>H=Total head [m]</b>				
EVMS(.)5 2/0.37M	EVMS(.)5 2/0.37	0,5	0,37	19,0	18,0	17,1	16,0	13,8	10,2	71	16	400	3,1	1,7	1,0	-	
EVMS(.)5 3/0.55M	EVMS(.)5 3/0.55	0,75	0,55	28,4	26,9	25,6	23,9	20,7	15,3	71	16	400	3,9	2,6	1,5	-	
EVMS(.)5 4/0.75M	EVMS(.)5 4/0.75	1	0,75	37,9	35,9	34,1	31,9	27,6	20,4	80	25	400	5,3	3,0	1,7	-	
EVMS(.)5 5/1.1M	EVMS(.)5 5/1.1	1,5	1,1	47,5	45,0	42,5	39,9	34,5	25,5	80	36	400	6,5	4,3	2,5	-	
EVMS(.)5 6/1.5M	EVMS(.)5 6/1.5	2	1,5	57,0	54,0	51,0	48,0	41,5	30,6	90	35	400	8,8	5,8	3,3	-	
EVMS(.)5 7/1.5M	EVMS(.)5 7/1.5	2	1,5	66,5	63,0	59,5	56,0	48,5	35,7	90	35	400	8,8	5,8	3,3	-	
EVMS(.)5 8/2.2M	EVMS(.)5 8/2.2	3	2,2	76,0	72,0	68,0	64,0	55,0	41,0	90	40	400	12,9	8,2	4,7	-	
EVMS(.)5 9/2.2M	EVMS(.)5 9/2.2	3	2,2	85,5	81,0	77,0	72,0	62,0	46,0	90	40	400	12,9	8,2	4,7	-	
EVMS(.)5 10/2.2M	EVMS(.)5 10/2.2	3	2,2	95,0	90,0	85,5	80,0	69,0	51,0	90	40	400	12,9	8,2	4,7	-	
EVMS(.)5 11/2.2M	EVMS(.)5 11/2.2	3	2,2	104,0	98,5	94,0	87,5	76,0	56,0	90	40	400	12,9	8,2	4,7	-	
-	EVMS(.)5 12/3.0	4	3,0	114,0	108,0	102,0	95,5	83,0	61,0	100	-	-	-	11,1	6,4	-	
-	EVMS(.)5 13/3.0	4	3,0	123,0	117,0	111,0	104,0	89,5	66,5	100	-	-	-	11,1	6,4	-	
-	EVMS(.)5 14/3.0	4	3,0	133,0	126,0	119,0	112,0	96,5	71,5	100	-	-	-	11,1	6,4	-	
-	EVMS(.)5 15/3.0	4	3,0	142,0	135,0	128,0	120,0	104,0	76,5	100	-	-	-	11,1	6,4	-	
-	EVMS(.)5 17/4.0	5,5	4,0	161,0	153,0	145,0	136,0	117,0	86,5	112	-	-	-	15,1	8,7	-	
-	EVMS(.)5 19/4.0	5,5	4,0	180,0	171,0	162,0	152,0	131,0	97,0	112	-	-	-	15,1	8,7	-	
-	EVMS(.)5 20/4.0	5,5	4,0	190,0	179,0	171,0	160,0	138,0	102,0	112	-	-	-	15,1	8,7	-	
-	EVMS(.)5 23/5.5	7,5	5,5	218,0	206,0	196,0	183,0	159,0	117,0	132	-	-	-	-	10,4	6,0	
-	EVMS(.)5 25/5.5	7,5	5,5	237,0	224,0	213,0	199,0	173,0	127,0	132	-	-	-	-	10,4	6,0	
-	EVMS(.)5 27/5.5	7,5	5,5	256,0	242,0	230,0	215,0	186,0	138,0	132	-	-	-	-	10,4	6,0	

### Model configuration



Cartridge shaft seal

		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 173	page 173	o	o	o	page 174	page 174
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 173	o	o	o	o	16 bar: o 25 bar: page 174
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> BVG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.

# EVMS(L)(G) 10

Vertical multistage pumps

Selection table																				
Model		HP	kW	Q=Flow rate										Motor size	Capacitor		Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	75	100	130	150	180	200	250	μF		V <sub>c</sub>	1~		3~		
		H=Total head [m]																		
		0	4,5	6,0	7,8	9,0	10,8	12,0	15,0					230V	230V	400V	690V			
EVMS(.)10 2/0.75M	EVMS(.)10 2/0.75	1	0,75	21,8	21,2	20,8	19,7	18,7	16,6	14,9	9,8	80	25	400	5,3	3,0	1,7	-		
EVMS(.)10 3/1.5M	EVMS(.)10 3/1.5	2	1,5	32,7	31,8	31,2	29,6	28,0	24,9	22,4	14,7	90	35	400	8,8	5,8	3,3	-		
EVMS(.)10 4/2.2M	EVMS(.)10 4/2.2	3	2,2	43,6	42,4	41,7	39,5	37,3	33,2	29,8	19,6	90	40	400	12,9	8,2	4,7	-		
EVMS(.)10 5/2.2M	EVMS(.)10 5/2.2	3	2,2	54,5	53	52	49,3	46,7	41,5	37,3	24,6	90	40	400	12,9	8,2	4,7	-		
EVMS(.)10 6/2.2M	EVMS(.)10 6/2.2	3	2,2	65,5	63,5	62,5	59	56	50	45	29,5	90	40	400	12,9	8,2	4,7	-		
-	EVMS(.)10 7/3.0	4	3,0	76,5	74	73	69	65,5	58	52	34,4	100	-	-	-	11,1	6,4	-		
-	EVMS(.)10 8/3.0	4	3,0	87,0	84,5	83,5	79	74,5	66,5	59,5	39,3	100	-	-	-	11,1	6,4	-		
-	EVMS(.)10 9/4.0	5,5	4,0	98	95,5	93,5	89	84	74,5	67	44,0	112	-	-	-	15,1	8,7	-		
-	EVMS(.)10 10/4.0	5,5	4,0	109	106	104	98,5	93,5	83	74,5	49,0	112	-	-	-	15,1	8,7	-		
-	EVMS(.)10 11/4.0	5,5	4,0	120	116	115	109	103	91,5	82	54,0	112	-	-	-	15,1	8,7	-		
-	EVMS(.)10 12/5.5	7,5	5,5	131	127	125	118	112	99,5	89,5	59,0	132	-	-	-	-	10,4	6,0		
-	EVMS(.)10 14/5.5	7,5	5,5	153	148	146	138	131	116	104	68,5	132	-	-	-	-	10,4	6,0		
-	EVMS(.)10 15/5.5	7,5	5,5	163	159	156	148	140	124	112	73,5	132	-	-	-	-	10,4	6,0		
-	EVMS(.)10 16/7.5	10	7,5	174	169	167	158	149	133	119	78,5	132	-	-	-	-	13,6	7,9		
-	EVMS(.)10 18/7.5	10	7,5	196	191	187	178	168	149	134	88,5	132	-	-	-	-	13,6	7,9		
-	EVMS(.)10 19/7.5	10	7,5	207	201	198	188	177	158	142	93,5	132	-	-	-	-	13,6	7,9		
-	EVMS(.)10 21/7.5	10	7,5	229	222	219	207	196	174	157	103	132	-	-	-	-	13,6	7,9		
-	EVMS(.)10 22/11	15	11	240	233	229	217	205	183	164	108	160	-	-	-	-	21,3	12,3		
-	EVMS(.)10 23/11	15	11	251	244	240	227	215	191	172	113	160	-	-	-	-	21,3	12,3		

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron		
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 176	page 176	o	o	o	page 177	page 177
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 176	o	o	o	o	16 bar: o 25 bar: page 177
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.

# EVMS(L)(G) 15

Vertical multistage pumps

## Selection table

Model		HP	kW	Q=Flow rate										Motor size	Capacitor		Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			H=Total head [m]											μF	V <sub>c</sub>	1~		3~	
				l/min	0	130	150	180	200	250	300	350	400				230V	230V	400V	690V
		m <sup>3</sup> /h	0	7,8	9,0	10,8	12,0	15,0	18,0	21,0	24,0									
EVMS(.)15 1/1.1M	EVMS(.)15 1/1.1	1,5	1,1	14,9	13,3	13	12,4	12,1	10,8	9,5	7,5	4,8	80	36	400	6,5	4,3	2,5	-	
EVMS(.)15 2/2.2M	EVMS(.)15 2/2.2	3	2,2	29,5	27,5	27,1	26	26,1	24,9	23,1	20,4	16,8	90	40	400	12,9	8,2	4,7	-	
-	EVMS(.)15 3/3.0	4	3,0	44,5	41,5	40,5	39,7	39,1	37,3	34,7	30,6	25,2	100	-	-	-	11,1	6,4	-	
-	EVMS(.)15 4/4.0	5,5	4,0	59	55	54,5	53	52	50	46,5	41	33,6	112	-	-	-	15,1	8,7	-	
-	EVMS(.)15 5/5.5	7,5	5,5	73,5	69	68	66	65	62	58	51	42,0	132	-	-	-	-	10,4	6,0	
-	EVMS(.)15 6/5.5	7,5	5,5	88,5	82,5	81,5	79,5	78	74,5	69,5	61	50,5	132	-	-	-	-	10,4	6,0	
-	EVMS(.)15 7/7.5	10	7,5	103	96,5	95,0	92,5	91	87	81	71,5	58,5	132	-	-	-	-	13,6	7,9	
-	EVMS(.)15 8/7.5	10	7,5	118	110	109	106	104	99,5	92,5	81,5	67,0	132	-	-	-	-	13,6	7,9	
-	EVMS(.)15 9/11	15	11	133	124	122	119	117	112	104	92	75,5	160	-	-	-	-	21,3	12,3	
-	EVMS(.)15 10/11	15	11	147	138	136	132	130	124	116	102	84,0	160	-	-	-	-	21,3	12,3	
-	EVMS(.)15 11/11	15	11	162	151	149	146	143	137	127	112	92,5	160	-	-	-	-	21,3	12,3	
-	EVMS(.)15 12/11	15	11	177	165	163	159	156	149	139	122	101	160	-	-	-	-	21,3	12,3	
-	EVMS(.)15 13/11	15	11	191	179	176	172	169	162	150	133	109	160	-	-	-	-	21,3	12,3	
-	EVMS(.)15 15/15	20	15	221	206	203	199	195	187	174	153	126	160 M	-	-	-	-	26,7	15,4	
-	EVMS(.)15 17/15	20	15	250	234	231	225	221	211	197	173	143	160 M	-	-	-	-	26,7	15,4	

## Model configuration



Cartridge shaft seal

Max.  
working  
pressure  
[bar]

			EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 179	page 179	o	o	o	page 180	page 180
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 179	o	o	o	o	16 bar: o 25 bar: page 180
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.

# EVMS(L)(G) 20

Vertical multistage pumps

Selection table																		
Single phase 230V	Model Three phase 230/400/690V	HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]			
				I/min	0	180	200	250	300	350	400	450	480		1~ 230V	3~		
				m <sup>3</sup> /h	0	10,8	12,0	15,0	18,0	21,0	24,0	27,0	28,8			230V	230V	400V
H=Total head [m]																		
EVMS(.)20 1/1.5M	EVMS(.)20 1/1.5	2	1,5		17.2	14.3	13.9	12.8	11.3	9.6	7.3	4.3	2.4	90	8,8	5,8	3,3	-
-	EVMS(.)20 2/3.0	4	3,0		33.7	30.4	29.9	28.9	27.7	26.2	23.6	19.9	17.4	100	-	11,1	6,4	-
-	EVMS(.)20 3/4.0	5,5	4,0		50.5	46	45	43.4	41.6	39.2	35.5	29.9	26.2	112	-	15,1	8,7	-
-	EVMS(.)20 4/5.5	7,5	5,5		67.4	61	60	58	55.4	52.3	47.3	39.8	34.9	132	-	-	10,4	6,0
-	EVMS(.)20 5/7.5	10	7,5		84.2	76.0	75	72.3	69.3	65.4	59	49.8	43.6	132	-	-	13,6	7,9
-	EVMS(.)20 6/7.5	10	7,5		101	91.2	90	87	83.1	78.5	71	59.7	52.3	132	-	-	13,6	7,9
-	EVMS(.)20 7/11	15	11		118	106	105	101	97	91.5	82.7	70	61.1	160	-	-	21,3	12,3
-	EVMS(.)20 8/11	15	11		135	122	120	116	111	105	95	80	70	160	-	-	21,3	12,3
-	EVMS(.)20 9/11	15	11		152	137	135	130	125	118	106	89.6	79	160	-	-	21,3	12,3
-	EVMS(.)20 10/11	15	11		168	152	150	145	139	131	118	100	87	160	-	-	21,3	12,3
-	EVMS(.)20 11/15	20	15		185	167	165	159	152	144	130	110	96	160 M	-	-	26,7	15,4
-	EVMS(.)20 12/15	20	15		202	182	179	173	166	157	142	119	105	160 M	-	-	26,7	15,4
-	EVMS(.)20 13/15	20	15		219	198	194	188	180	170	154	129	113	160 M	-	-	26,7	15,4
-	EVMS(.)20 14/18.5	25	18,5		244	221	217	210	202	191	175	149	130	160 L	-	-	33,0	19,1
-	EVMS(.)20 15/18.5	25	18,5		262	237	232	225	216	205	186	159	141	160 L	-	-	33,0	19,1
-	EVMS(.)20 16/18.5	25	18,5		279	252	248	240	231	218	199	170	150	160 L	-	-	33,0	19,1

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron		
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 182	page 182	o	o	o	page 183	page 183
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 182	o	o	o	o	16 bar: o 25 bar: page 183
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 448

\* AISI 316 on request. Please contact our sales network.




# EVMS(L)(G) 32

Vertical multistage pumps

## Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]		
			l/min m³/h	0	200	350	500	600	700		230V	400V	690V
				0	12	21	30	36	42				
H=Total head [m]													
EVMS(.)32 1-1/1.5	2	1.5		17,1	15	12,7	10,8	8,3	5,3	90	5,8	3,3	-
EVMS(.)32 1-0/2.2	3	2.2		20,2	18,8	16,0	13,2	11	7,9	90	8,2	4,7	-
EVMS(.)32 2-2/3.0	4	3.0		34,5	31	28,5	23,5	19,2	13,4	100	11,1	6,4	-
EVMS(.)32 2-0/4.0	5.5	4.0		43	40	34,8	28,5	23,8	17,9	112	15,1	8,7	-
EVMS(.)32 3-2/5.5	7.5	5.5		57	52	46	37,8	31,4	23,3	132	10,4	6,0	-
EVMS(.)32 3-0/5.5	7.5	5.5		63	59	52	43	36,4	28,2	132	10,4	6,0	-
EVMS(.)32 4-2/7.5	10	7.5		76,5	71	62	52,5	44	33,3	132	-	13,6	7,9
EVMS(.)32 4-0/7.5	10	7.5		83,5	79	70	58	49,5	38,7	132	-	13,6	7,9
EVMS(.)32 5-2/11	15	11		100	92,5	80	66,5	55,5	41,5	160	-	21,3	12,3
EVMS(.)32 5-0/11	15	11		105	99	87	72,5	62	48	160	-	21,3	12,3
EVMS(.)32 6-2/11	15	11		119	111	98	81	68	51,5	160	-	21,3	12,3
EVMS(.)32 6-0/11	15	11		127	121	104	86,5	74	57,5	160	-	26,2	15,2
EVMS(.)32 7-2/15	20	15		139	130	115	95,5	80,5	62	160	-	26,2	15,2
EVMS(.)32 7-0/15	20	15		146	138	122	101	86	67	160	-	26,2	15,2
EVMS(.)32 8-2/15	20	15		160	150	132	110	93,5	72,5	160	-	26,2	15,2
EVMS(.)32 8-0/15	20	15		167	159	140	117	99,5	79,5	160	-	26,2	15,2
EVMS(.)32 9-2/15	20	15		182	171	151	127	108	83,5	160	-	26,2	15,2
EVMS(.)32 9-0/15	20	15		187	178	157	132	115	90	160	-	26,2	15,2
EVMS(.)32 10-2/18.5	25	18.5		210	198	176	147	126	100	160	-	32,8	19,0
EVMS(.)32 10-0/18.5	25	18.5		216	206	180	151	130	104	160	-	32,8	19,0
EVMS(.)32 11-2/18.5	25	18.5		233	219	194	163	139	112	160	-	32,8	19,0
EVMS(.)32 11-0/18.5	25	18.5		239	228	201	169	145	116	160	-	32,8	19,0
EVMS(.)32 12-2/22	30	22		253	238	210	178	153	121	180	-	38,5	22,3
EVMS(.)32 12-0/22	30	22		255	243	215	182	155	126	180	-	38,5	22,3
EVMS(.)32 13-2/22	30	22		272	257	229	195	167	136	180	-	38,5	22,3
EVMS(.)32 13-0/22	30	22		278	264	235	200	171	139	180	-	38,5	22,3
EVMS(.)32 14-2/30	40	30		290	276	247	212	182	144	200	-	51,0	29,6
EVMS(.)32 14-0/30	40	30		300	285	253	218	186	152	200	-	51,0	29,6

## Model configuration

 Cartridge shaft seal			Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *	EVMSG in cast iron
				 Loose flange (LF)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 185	page 185	
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25/30	16 bar: o 25/30 bar: page 185	16 bar: o 25/30 bar: page 185	
Balanced SiC+g/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25/30	o	o	
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25/30	o	o	
Balanced SiC+g/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25/30	o	o	

o On request, please contact our sales network.

\* AISI 316 on request. Please contact our sales network.




# EVMS(L)(G) 45

Vertical multistage pumps

## Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate									Motor size	Abs. Curr. [A]		
			l/min	0	350	500	600	700	800	900	1000		230V	400V	690V
			m <sup>3</sup> /h	0	21	30	36	42	48	54	60				
			H=Total head [m]												
EVMS(.)45 1-1/3.0	4	3.0		25,1	19,2	18,3	17,5	15,9	13,9	11	7,9	100	11,1	6,4	-
EVMS(.)45 1-0/4.0	5.5	4.0		28,4	24,7	23,2	22,1	20,4	18,6	16,7	14,3	112	15,1	8,7	-
EVMS(.)45 2-2/5.5	7.5	5.5		48,5	38,5	36,8	35,1	31,7	27,7	22,6	16,3	132	-	10,4	6,0
EVMS(.)45 2-0/7.5	10	7.5		54	49	46,5	44,5	41,5	38,1	33,6	28,7	132	-	13,6	7,9
EVMS(.)45 3-2/11	15	11		77	63	60	57	52	46,5	39,4	30,8	160	-	21,3	12,3
EVMS(.)45 3-0/11	15	11		81	73	69,5	67	63	57,5	50,5	44	160	-	21,3	12,3
EVMS(.)45 4-2/15	20	15		102	87,5	83	79,5	73,5	66	56	45	160	-	26,2	15,2
EVMS(.)45 4-0/15	20	15		105	97,5	92	89,5	83,5	76,5	68,5	58	160	-	26,2	15,2
EVMS(.)45 5-2/18.5	25	18.5		130	116	110	106	99,5	90	79	65	160	-	32,8	19,0
EVMS(.)45 5-0/18.5	25	18.5		134	125	119	116	109	101	90,5	78,5	160	-	32,8	19,0
EVMS(.)45 6-2/22	30	22		158	140	133	130	122	111	98	81,5	180	-	38,5	22,3
EVMS(.)45 6-0/22	30	22		162	151	143	139	132	121	109	94	180	-	51,0	29,6
EVMS(.)45 7-2/30	40	30		181	165	157	153	144	131	116	98,5	200	-	51,0	29,6
EVMS(.)45 7-0/30	40	30		186	175	167	162	154	142	127	110	200	-	51,0	29,6
EVMS(.)45 8-2/30	40	30		209	192	183	178	169	154	137	117	200	-	51,0	29,6
EVMS(.)45 8-0/30	40	30		212	200	191	187	177	163	147	127	200	-	51,0	29,6
EVMS(.)45 9-2/30	40	30		233	214	205	200	189	173	153	129	200	-	51,0	29,6
EVMS(.)45 9-0/37	50	37		243	229	218	214	203	188	170	147	200	-	64,0	37,1
EVMS(.)45 10-2/37	50	37		269	246	233	227	213	196	174	147	200	-	64,0	37,1
EVMS(.)45 10-0/37	50	37		269	253	243	236	225	208	188	163	200	-	64,0	37,1
EVMS(.)45 11-2/45	60	45		298	272	258	250	236	217	193	164	225	-	77,0	44,5
EVMS(.)45 11-0/45	60	45		296	279	267	260	248	229	207	179	225	-	77,0	44,5
EVMS(.)45 12-2/45	60	45		326	297	282	275	259	238	213	181	225	-	77,0	44,5
EVMS(.)45 12-0/45	60	45		323	304	292	284	270	250	225	196	225	-	77,0	44,5
EVMS(.)45 13-2/45	60	45		342	320	307	300	286	264	234	203	225	-	77,0	44,5

## Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *	EVMSG in cast iron
			 Loose flange (LF)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 187	page 187
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25/35	16 bar: o 25/35 bar: page 187	16 bar: o 25/35 bar: page 187
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25/35	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25/35	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25/35	o	o

o On request, please contact our sales network.

\* AISI 316 on request. Please contact our sales network.




# EVMS(L)(G) 64

Vertical multistage pumps

## Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate								Motor size	Abs. Curr. [A]		
			l/min	0	500	600	750	1000	1200	1400		230V	400V	690V
			m <sup>3</sup> /h	0	30	36	45	60	72	84				
H=Total head [m]														
EVMS(.)64 1-1/4.0	5.5	4.0		23	20	19,4	18,6	15,5	11,6	6,3	112	15,1	8,7	-
EVMS(.)64 1-0/5.5	7.5	5.5		30	27	26,5	26	22,4	19,4	15,4	132	-	10,4	6,0
EVMS(.)64 2-2/7.5	10	7.5		47	42	40,5	38,3	31,8	24,5	14,3	132	-	13,6	7,9
EVMS(.)64 2-1/11	15	11		53	49	47	45	38	31,4	22,4	160	-	21,3	12,3
EVMS(.)64 2-0/15	20	15		60	55	53,5	52,5	46,5	40,5	32,7	160	-	26,2	15,2
EVMS(.)64 3-2/15	20	15		73	69	67	63,5	54	43,5	29,3	160	-	26,2	15,2
EVMS(.)64 3-1/15	20	15		79	76	74	71,5	62	52	38,9	160	-	26,2	15,2
EVMS(.)64 3-0/18.5	25	18.5		88	84,5	83,5	81,5	74	65	54	160	-	32,8	19,0
EVMS(.)64 4-2/18.5	25	18.5		108	102	99	93,5	82,5	69,5	52,5	160	-	32,8	19,0
EVMS(.)64 4-1/22	30	22		115	110	107	103	90,5	77	61,5	180	-	38,5	22,3
EVMS(.)64 4-0/22	30	22		120	115	112	109	98	86,5	72	180	-	38,5	22,3
EVMS(.)64 5-2/30	40	30		137	129	126	121	106	90	69	200	-	51,0	29,6
EVMS(.)64 5-1/30	40	30		150	137	133	128	113	98	78	200	-	51,0	29,6
EVMS(.)64 5-0/30	40	30		157	145	142	136	122	108	90	200	-	51,0	29,6
EVMS(.)64 6-2/30	40	30		170	160	155	148	129	110	84,5	200	-	51,0	29,6
EVMS(.)64 6-1/37	50	37		190	173	168	158	141	122	100	200	-	64,0	37,1
EVMS(.)64 6-0/37	50	37		197	177	172	165	150	131	108	200	-	64,0	37,1
EVMS(.)64 7-2/37	50	37		207	189	185	177	158	136	108	200	-	64,0	37,1
EVMS(.)64 7-1/37	50	37		220	197	192	184	165	144	118	200	-	64,0	37,1
EVMS(.)64 7-0/45	60	45		229	207	202	192	175	153	127	225	-	77,0	44,5
EVMS(.)64 8-2/45	60	45		240	220	215	205	184	160	127	225	-	77,0	44,5
EVMS(.)64 8-1/45	60	45		249	228	223	213	191	166	136	225	-	77,0	44,5

## Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *	EVMSG in cast iron
			 Loose flange (LF)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 189	page 189
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	16 bar: o 25 bar: page 189	16 bar: o 25 bar: page 189
Balanced SiC+g/SiC EPDM	HQ <sub>0</sub> Q <sub>1</sub> EG	25	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o
Balanced SiC+g/SiC FPM	HQ <sub>0</sub> Q <sub>1</sub> VG	25	o	o

o On request, please contact our sales network.

\* AISI 316 on request. Please contact our sales network.




# EVMS(L)(G) 90

Vertical multistage pumps

## Selection table

Model Three phase 400/690V	HP	kW	Q=Flow rate									Motor size	Abs. Curr. [A]		
			l/min	0	750	1000	1200	1400	1600	1800	2000		3~	400V	690V
			m <sup>3</sup> /h	0	45	60	72	84	96	108	120				
			H=Total head [m]												
EVMS(.)90 1-1/5.5	7.5	5.5		26,7	20,9	19,6	18,2	15,9	12,7	9,2	5,4	132	10,4	6,0	
EVMS(.)90 1-0/7.5	10	7.5		35,8	28,1	25,1	22,9	20,9	18,4	14,8	11	132	13,6	7,9	
EVMS(.)90 2-2/11	15	11		53,5	42	39,2	36,3	31,7	25,5	18,3	10,7	160	21,3	12,3	
EVMS(.)90 2-0/15	20	15		69	56,5	51	47	43,5	38,6	32,2	25,4	160	26,2	15,2	
EVMS(.)90 3-2/18.5	25	18.5		86,5	70	65,5	61	54,5	46	36	25,5	160	32,8	19,0	
EVMS(.)90 3-0/22	30	22		103	88	81,5	76	70	63,5	54,5	45	180	38,5	22,3	
EVMS(.)90 4-2/30	40	30		124	102	95	88	79,5	68,5	55,5	41,5	200	51,0	29,6	
EVMS(.)90 4-0/30	40	30		138	117	108	101	93,5	84,5	73	60	200	51,0	29,6	
EVMS(.)90 5-2/37	50	37		161	133	124	116	105	92,5	76	58,5	200	64,0	37,1	
EVMS(.)90 5-0/37	50	37		171	149	139	130	121	110	96,5	82	200	64,0	37,1	
EVMS(.)90 6-2/45	60	45		193	163	152	142	130	115	96,5	77,5	225	77,0	44,5	
EVMS(.)90 6-0/45	60	45		205	179	167	156	145	132	115	98,5	225	77,0	44,5	

## Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *	EVMSG in cast iron
			 Loose flange (LF)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 191	page 191
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	16 bar: o 25 bar: page 191	16 bar: o 25 bar: page 191
Balanced SiC+g/SiC EPDM	HQ <sub>0</sub> Q <sub>1</sub> EG	25	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o
Balanced SiC+g/SiC FPM	HQ <sub>0</sub> Q <sub>1</sub> VG	25	o	o

o On request, please contact our sales network.

\* AISI 316 on request. Please contact our sales network.





The logo consists of the word "BEDU" in a large, bold, white sans-serif font, with "POMPEN" in a smaller, white sans-serif font below it. The text is centered within a dark teal square, which is itself centered within a white square border.

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POMPEN

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