



EBARA

Technical Data

EVMS

Vertical Multistage Pumps



**with unique low axial
thrust impeller design**

Any motor - Anywhere



EBARA

EBARA PUMPS AUSTRALIA PTY. LTD.

EVMS_Techdata_SS_V17

Important Note: Text and Performance curves in Grey are not part of EPA Market range.

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PRODUCT FEATURES

50 Hz

[General]

1. Pump Type

The EVMS is a Non-self- priming, vertical multistage in line, centrifugal pump.

2. Model range

The EVMS comes in **3,5,10,15 and 20 m³/h flow sizes** for the majority market needs.

3. Maximum operating pressure

The EVMS can be operated at **16 bar or 25 bar as maximum**.

4. Operating temperature range

The EVMS can be operated from **-30 to + 140** degrees celsius as the maximum.

5. Motor

The EVMS can be coupled with IEC standard motors.

6. Certifications

Drinking water approval	DM174/2004 	ACS 	KTW® 
Mechanical seal	SiC/Carbon_EPDM	SiC/Carbon_EPDM	SiC with graphite/SiC_EPDM

Note: * KTW is certified for components.

7. Conform to the provisions of the European directives



[Main Product Features]

1. Innovative hydraulic solutions

- **Commercial motors** can be fitted to all of the pump models without any modifications thanks to low pump axial thrust load.
- Low axial thrust load impeller can ensure **long life of the motor bearing**.
- **High pump efficiency** classified in MEI > 0.7 for all models.

2. Energy saving

- **High efficiency E3 motors** starting from 0.75kW can be fitted as an option.
- A VFD (Variable frequency drive) and the **commercial sensor** can be directly mounted on EVMS to maintain physical constant operations such as pumping pressure depending on the conditions of use.

3. Shaft seal solutions

- Silicon carbide inclusions with graphite can be used as **dry lubricant to reduce friction**.
- It's conforming to EN12756 (ex DIN 24960)

4. Easy maintenance

- The **cartridge mechanical 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.

5. Smart plug solutions

Air ventilation plug / Water filling & sensor plug / Commercial sensor fitting / Measurements for suction and discharge pressure / drain

SPECIFICATIONS - PRODUCT SPECIFICATIONS

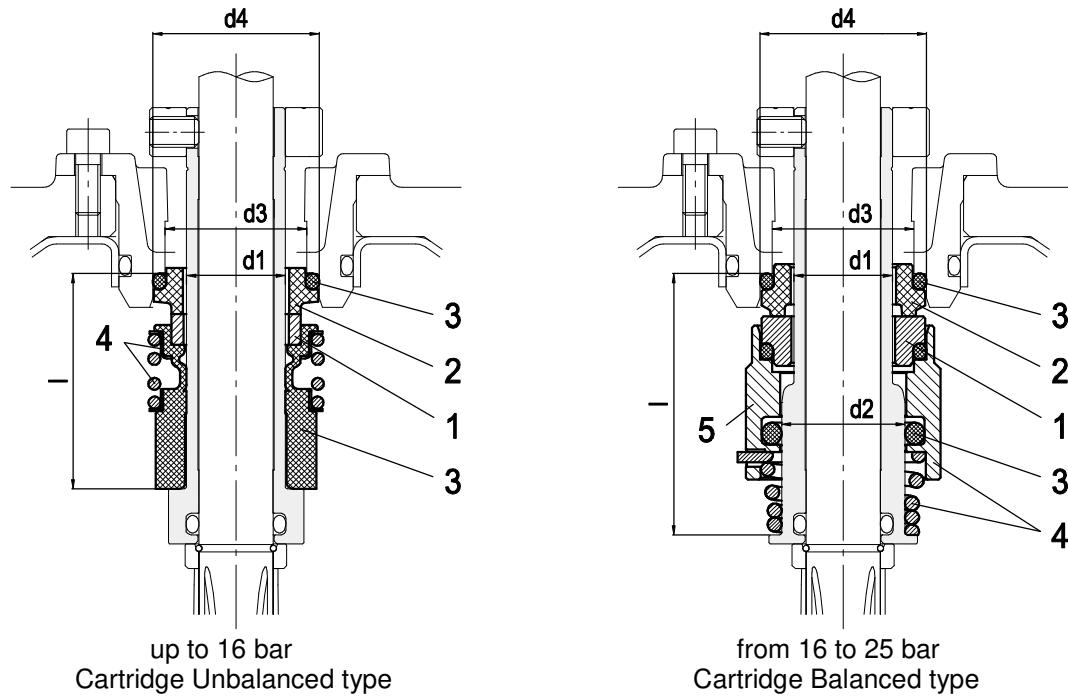
50 Hz

PUMP		
	EVMS	
Operating range	Maximum working pressure	1.6 / 2.5 MPa (16 bar/ 25 bar)
	Liquid temperature range	-30°C to 140°C
Key Components Material	Impeller	EN 1.4301 (AISI 304)
	Intermediate casing	EN 1.4301 (AISI 304)
	Liner ring	EN 1.4301 (AISI 304) + PPS
	Bottom casing	EN 1.4301 (AISI 304)
	Casing cover	EN 1.4301 (AISI 304)
	Shaft	EN 1.4301 (AISI 304) EVMS 1-3-10 , EVMS 5-15-20 (depend on models) EN 1.4462 (AISI 329A) EVMS 5-15-20 (depend on models)
	Shaft sleeve bearing	Tungsten carbide
	Shaft Seal	See the shaft seal options
	O-ring	EPDM Standard FPM Optional
	Outer casing	EN 1.4301 (AISI 304)
	Motor Bracket	Cast Iron
	Tie rod	Galvanized steel 6.8 strength class ISO 898/1
	Coupling	up to 4 kW Die cast aluminium from 5.5 kW Cast Iron
	Base	Die Cast Aluminium
Pipe connection	Round flange (DIN)	Standard - All models

Motor	Standard In Australia (WEG W21 E2 motors)		Options available on request
Power Source	Frequency	50 Hz	
	Phase	Three Phase	Single Phase (up to 3 kW)
	Rotation Speed	~ 2900 min	
	Power Rating	0.37 ÷ 18.5 kW	
		0.5 ÷ 25 HP	
Type	Voltage	230/400 ± 10% (up to 3 kW) 400/690 ± 10% (4.0 kW & above)	
	Type	Electric - TEFC	other enclosures on request
	Efficiency	E2	E3 from 0.75 to 18.5 kW (3ph)
	No. of poles	2	
	Protection Degree	IP 55	IP 56, IP 66
	Insulation Class	F (temperature rise class B)	H (temperature rise class B)
Others	Casing Material	Aluminium(up to 7.5 kW) / Cast Iron (11 kW & above)	Cast iron
	Flange Mount (IEC motor)	IM B14 (up to 4 kW) IM B5 (5.5 kW & above)	

SHAFT SEAL

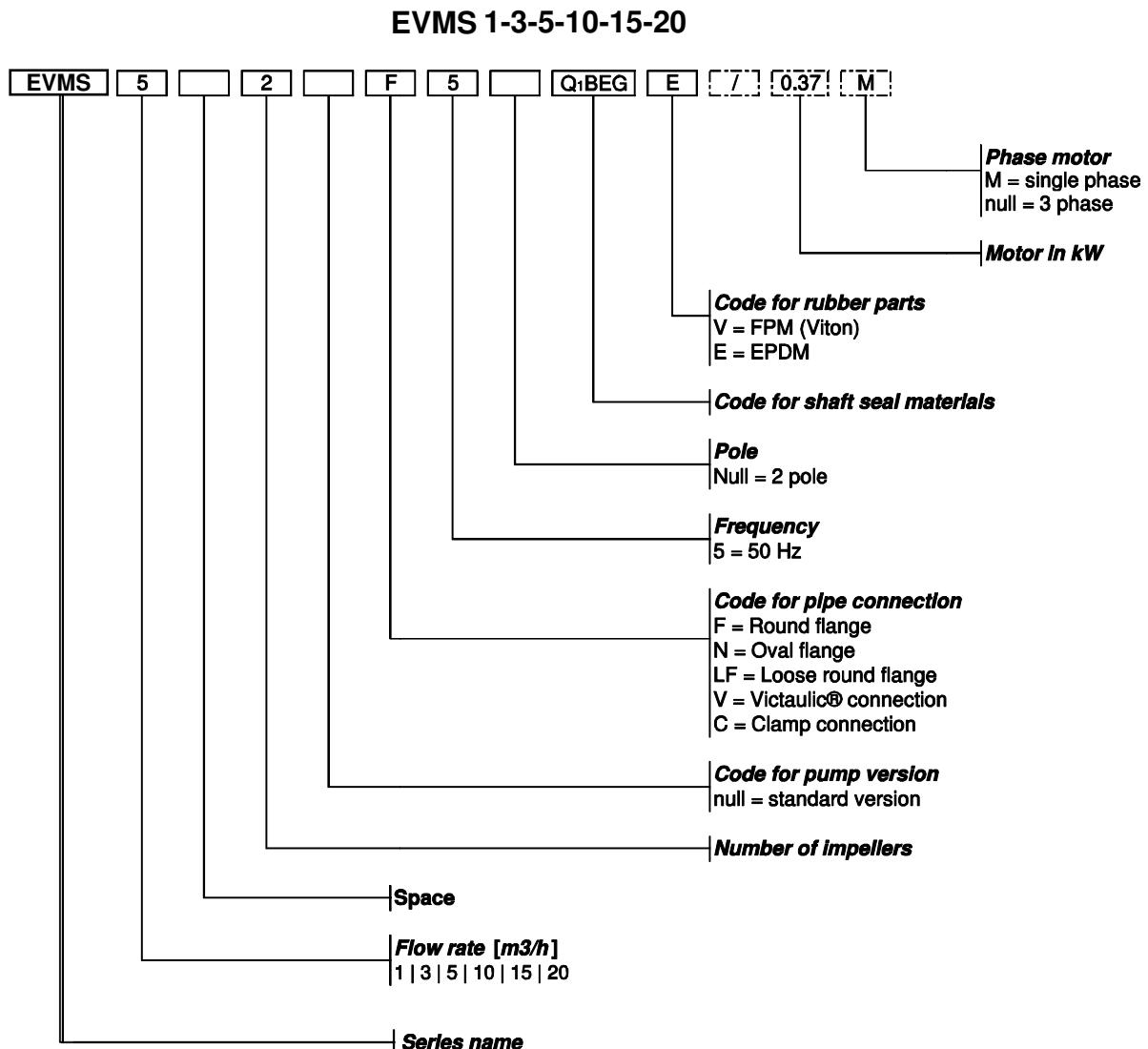
50 Hz



Legend: ● Standard ○ Options () Type key

Pump model	Max liquid temperature range	Shaft seal type		Shaft seal material					Type key
		Cartridge Unbalanced	Balanced	1 Rotating Part	2 Stationary Part	3 Elastomers	4 Spring	5 Collar	
up to 16 bar	- 30°C to + 120°C	●		SiC (Q)	Carbon (B)	EPDM (E)	AISI316 (G)		QBEG
	- 30°C to + 80°C	○		SiC (Q)	Carbon (B)	FPM (V)	AISI316 (G)		Q:BVG
	- 30°C to + 140°C		○	SiC with graphite (Q _g)	SiC (Q _f)	EPDM (E)	AISI316 (G)		HQ _g Q _f :EG
	- 30°C to + 80°C		○	SiC with graphite (Q _g)	SiC (Q _f)	FPM (V)	AISI316 (G)		HQ _g Q _f :VG
	- 30°C to + 140°C		○	SiC (Q _f)	Carbon (B)	EPDM (E)	AISI316 (G)		HQ _f BEG
from 16 bar to 25 bar	- 30°C to + 140°C		●	SiC (Q _f)	Carbon (B)	EPDM (E)	AISI316 (G)		HQ _f BEG
	- 30°C to + 80°C		○	SiC (Q _f)	Carbon (B)	FPM (V)	AISI316 (G)		HGBVG
	- 30°C to + 140°C		○	SiC with graphite (Q _g)	SiC (Q _f)	EPDM (E)	AISI316 (G)		HQ _g Q _f :EG
	- 30°C to + 80°C		○	SiC with graphite (Q _g)	SiC (Q _f)	FPM (V)	AISI316 (G)		HQ _g Q _f :VG

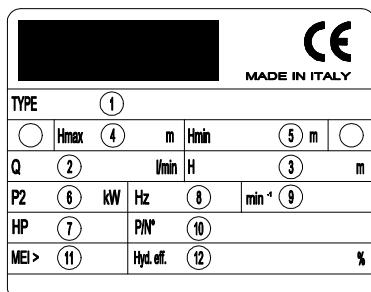
Pump model	Shaft seal type		Max operating pressure	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	I [mm]
EVMS 1/3/5	Cartridge	Unbalanced	16 bar	16	-	23	27	35
		Balanced	25 bar		20			42.5
EVMS 10/15/20	Cartridge	Unbalanced	16 bar	20	-	29	35	37.5
		Balanced	25 bar		24			45



Example for **pump without motor**
EVMS 5 2F5Q 1BEGE

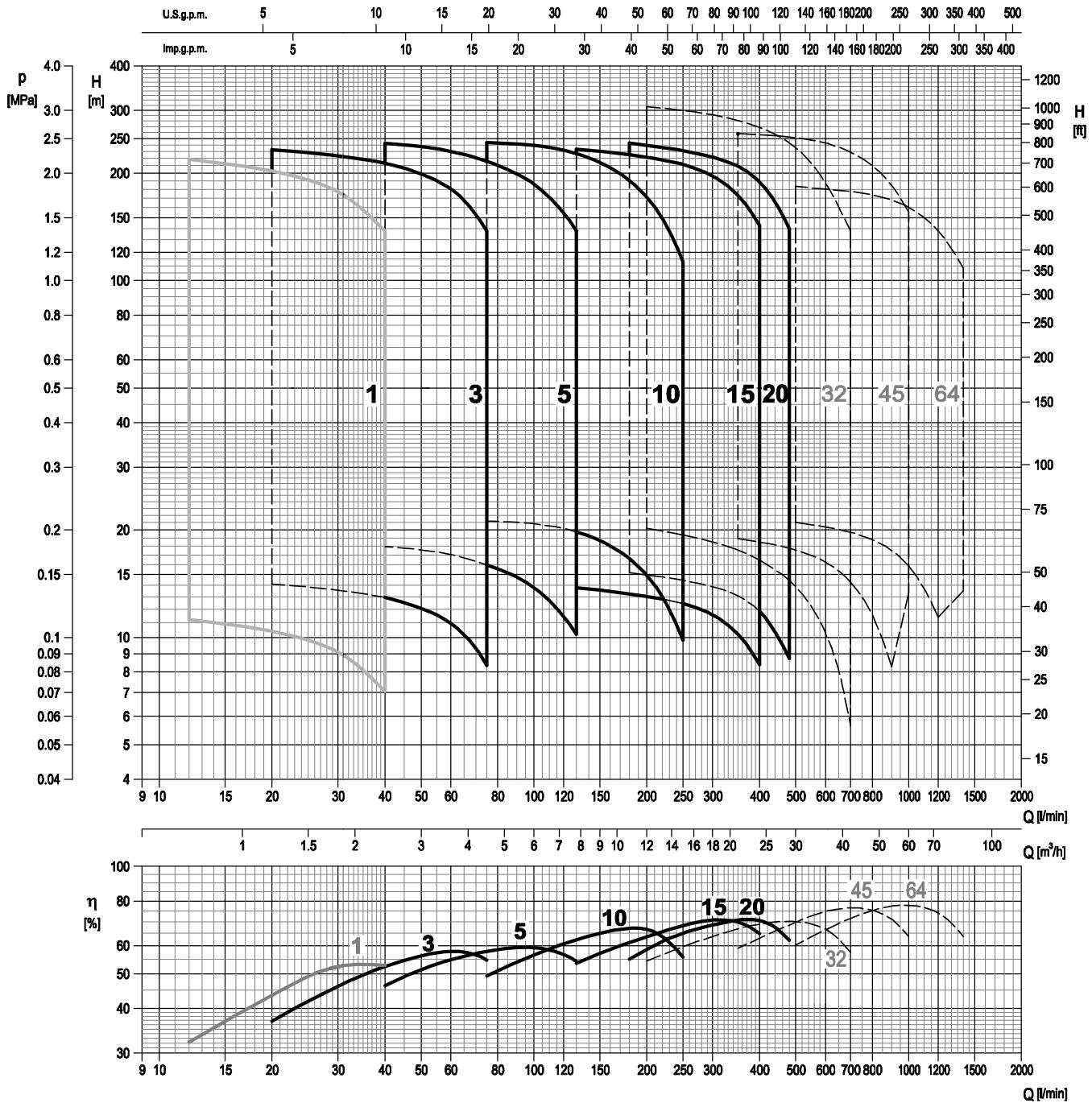
Example for **pump with motor**
EVMS 5 2F5Q 1BEGE/0.37M

NAMEPLATE



- 1) "TYPE" Pump model
- 2) "Q" Indicates upper and lower flow rate limits
- 3) "H" Indicates head limits corresponding to minimum and maximum flow rate
- 4) "H_{max}" Maximum head
- 5) "H_{min}" Minimum head
- 6) "P₂" Rated power of the motor (output at shaft)
- 7) "HP" Rated power of the motor expressed in HP (Horse Power)
- 8) "Hz" Frequency
- 9) "min⁻¹" Speed of rotation
- 10) "P/N°" Pump item number
- 11) "MEI" Index of the pump's quality in relation to its efficiency
- 12) "Hyd. Eff. %" Hydraulic efficiency of the pump

EVMS 1-3-5-10-15-20



The specifications below qualify the curves shown on the following pages.

Tolerances according to ISO 9906:2012 - Grade 3B.

The curves refer to effective speed of asynchronous motors at 50 Hz, 2 poles.

Measurements were carried out with clean water at 20°C of temperature and with a kinematic viscosity of $n = 1 \text{ mm}^2/\text{s}$ (1 cSt).

The NPSH curve is an average curve obtained in the same conditions of performance curves.

During the pump selection, consider to get a safety margin of at least 0.5 m.

The continuous curves indicate the recommended working range. The dotted curve is only a guide.

In order to avoid the risk of over-heating, the pumps should not be used at a flow rate below 10% of best efficiency point.

Symbols explanation:

Q	= volume flow rate
H	= total head
P_2	= pump power input (shaft power)
h	= pump efficiency
NPSH	= net positive suction head required by the pump
MEI	= minimum efficiency index

The minimum efficiency index (MEI) is a measure of the quality of a pump size in respect to its mean efficiency. The minimum efficiency index is based on the hydraulic efficiency and on the head at the best efficiency point.

The efficiency of a pump with trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to a reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.

The operation of these water pumps with variable duty points may be more efficient and economical when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.

Minimum efficiency index (MEI)

Pump type	MEI
EVMS1	> 0.70
EVMS3	> 0.70
EVMS5	> 0.70
EVMS10	> 0.70
EVMS15	> 0.70
EVMS20	> 0.70

SELECTION CHART

50 Hz

EVMS 1-3-5

Pump Type		kW	HP	Size	Maximum working pressure (MPa)	Q=Capacity									
						l/min	0	12	20	30	40	60	75	100	130
Single phase	Three phase	m³/h	0	0.72	1.2	1.8	2.4	3.6	4.5	6	7.8	H=Total manometric head in meters			
1	EVMS1 2/0.37M	EVMS1 2/0.37	0.37	0.5	71	1.6	11.9	11.2	10.4	9.1	7.1	-	-	-	-
	EVMS1 3/0.37M	EVMS1 3/0.37	0.37	0.5	71		17.9	16.8	15.6	13.6	10.6	-	-	-	-
	EVMS1 4/0.37M	EVMS1 4/0.37	0.37	0.5	71		23.8	22.4	20.8	18.2	14.2	-	-	-	-
	EVMS1 5/0.37M	EVMS1 5/0.37	0.37	0.5	71		30	28	26	22.7	17.7	-	-	-	-
	EVMS1 6/0.37M	EVMS1 6/0.37	0.37	0.5	71		35.8	33.6	31.2	27.3	21.2	-	-	-	-
	EVMS1 7/0.37M	EVMS1 7/0.37	0.37	0.5	71		41.5	39.2	36.4	31.8	24.8	-	-	-	-
	EVMS1 8/0.37M	EVMS1 8/0.37	0.37	0.5	71		47.5	44.5	41.5	36.4	28.3	-	-	-	-
	EVMS1 9/0.55M	EVMS1 9/0.55	0.55	0.75	71		53.5	50.5	47	41	31.8	-	-	-	-
	EVMS1 10/0.55M	EVMS1 10/0.55	0.55	0.75	71		59.6	56	52	45.5	35.4	-	-	-	-
	EVMS1 11/0.55M	EVMS1 11/0.55	0.55	0.75	71		65.5	61.5	57	50	38.9	-	-	-	-
	EVMS1 12/0.55M	EVMS1 12/0.55	0.55	0.75	71		71.5	67	62.5	54.5	42.5	-	-	-	-
	EVMS1 13/0.55M	EVMS1 13/0.55	0.55	0.75	71		77.5	73	67.5	59	46	-	-	-	-
	EVMS1 14/0.75M	EVMS1 14/0.75	0.75	1	80		83.5	78.5	73	63.5	49.5	-	-	-	-
	EVMS1 16/0.75M	EVMS1 16/0.75	0.75	1	80		95.5	89.5	83	72.5	56.5	-	-	-	-
	EVMS1 18/1.1M	EVMS1 18/1.1	1.1	1.5	80		107	101	93.5	82	63.5	-	-	-	-
	EVMS1 20/1.1M	EVMS1 20/1.1	1.1	1.5	80		119	112	104	91	71	-	-	-	-
	EVMS1 22/1.1M	EVMS1 22/1.1	1.1	1.5	80		131	123	114	100	78	-	-	-	-
	EVMS1 24/1.1M	EVMS1 24/1.1	1.1	1.5	80		143	135	125	109	85	-	-	-	-
	EVMS1 26/1.1M	EVMS1 26/1.1	1.1	1.5	80		155	146	135	118	92	-	-	-	-
	EVMS1 27/1.5M	EVMS1 27/1.5	1.5	2	90 S	2.5	161	151	140	123	95.5	-	-	-	-
	EVMS1 29/1.5M	EVMS1 29/1.5	1.5	2	90 S		173	163	151	132	103	-	-	-	-
	EVMS1 32/1.5M	EVMS1 32/1.5	1.5	2	90 S		191	179	166	145	113	-	-	-	-
	EVMS1 34/1.5M	EVMS1 34/1.5	1.5	2	90 S		203	191	177	155	120	-	-	-	-
	EVMS1 37/2.2M	EVMS1 37/2.2	2.2	3	90 L		221	207	192	168	131	-	-	-	-
	EVMS1 39/2.2M	EVMS1 39/2.2	2.2	3	90 L		232	219	203	177	138	-	-	-	-
3	EVMS3 2/0.37M	EVMS3 2/0.37	0.37	0.5	71	1.6	14.7	-	14.1	13.6	12.9	10.9	8.3	-	-
	EVMS3 3/0.37M	EVMS3 3/0.37	0.37	0.5	71		22.1	-	21.1	20.4	19.4	16.4	12.5	-	-
	EVMS3 4/0.37M	EVMS3 4/0.37	0.37	0.5	71		29.5	-	28.2	27.1	25.8	21.9	16.7	-	-
	EVMS3 5/0.55M	EVMS3 5/0.55	0.55	0.75	71		36.9	-	35.2	33.9	32.3	27.4	20.9	-	-
	EVMS3 6/0.55M	EVMS3 6/0.55	0.55	0.75	71		44.2	-	42.5	40.5	38.8	32.8	25	-	-
	EVMS3 7/0.75M	EVMS3 7/0.75	0.75	1	80		51.5	-	49.5	47.5	45	38.3	29.2	-	-
	EVMS3 8/0.75M	EVMS3 8/0.75	0.75	1	80		59	-	56.5	54.5	51.5	44	33.4	-	-
	EVMS3 9/1.1M	EVMS3 9/1.1	1.1	1.5	80		66.5	-	63.5	61	58	49	37.6	-	-
	EVMS3 10/1.1M	EVMS3 10/1.1	1.1	1.5	80		73.5	-	70.5	68	64.5	54.5	41.5	-	-
	EVMS3 11/1.1M	EVMS3 11/1.1	1.1	1.5	80		81	-	77.5	74.5	71	60	46	-	-
	EVMS3 12/1.1M	EVMS3 12/1.1	1.1	1.5	80		88.5	-	84.5	81.5	77.5	65.5	50	-	-
	EVMS3 13/1.5M	EVMS3 13/1.5	1.5	2	90 S		96	-	91.5	88	84	71	54.5	-	-
	EVMS3 14/1.5M	EVMS3 14/1.5	1.5	2	90 S		103	-	98.5	95	90.5	76.5	58.5	-	-
	EVMS3 15/1.5M	EVMS3 15/1.5	1.5	2	90 S		111	-	106	102	97	82	62.5	-	-
	EVMS3 16/1.5M	EVMS3 16/1.5	1.5	2	90 S		118	-	113	109	103	87.5	67	-	-
	EVMS3 17/2.2M	EVMS3 17/2.2	2.2	3	90 L		125	-	120	115	110	93	71	-	-
	EVMS3 19/2.2M	EVMS3 19/2.2	2.2	3	90 L		140	-	134	129	123	104	79.5	-	-
	EVMS3 21/2.2M	EVMS3 21/2.2	2.2	3	90 L		155	-	148	142	136	115	87.5	-	-
	EVMS3 23/2.2M	EVMS3 23/2.2	2.2	3	90 L	2.5	170	-	162	156	149	126	96	-	-
	EVMS3 24/2.2M	EVMS3 24/2.2	2.2	3	90 L		177	-	169	163	155	131	100	-	-
	-	EVMS3 25/3.0	3.0	4	100 L		184	-	176	170	161	137	104	-	-
	-	EVMS3 27/3.0	3.0	4	100 L		199	-	190	183	174	148	113	-	-
	-	EVMS3 29/3.0	3.0	4	100 L		214	-	204	197	187	159	121	-	-
	-	EVMS3 31/3.0	3.0	4	100 L		229	-	218	210	200	170	129	-	-
	-	EVMS3 33/3.0	3.0	4	100 L		243	-	232	224	213	181	138	-	-
	-	EVMS5 2/0.37M	EVMS5 2/0.37	0.37	0.5	71	1.6	19	-	-	18	17.1	16	13.8	10.2
5	EVMS5 3/0.55M	EVMS5 3/0.55	0.55	0.75	71	28.4	-	-	26.9	25.6	23.9	20.7	15.3	-	-
	EVMS5 4/0.75M	EVMS5 4/0.75	0.75	1	80	37.9	-	-	35.9	34.1	31.9	27.6	20.4	-	-
	EVMS5 5/1.1M	EVMS5 5/1.1	1.1	1.5	80	47.5	-	-	45	42.5	39.9	34.5	25.5	-	-
	EVMS5 6/1.5M	EVMS5 6/1.5	1.5	2	90 S	57	-	-	-	54	51	48	41.5	30.6	
	EVMS5 7/1.5M	EVMS5 7/1.5	1.5	2	90 S	66.5	-	-	63	59.5	56	48.5	35.7	-	-
	EVMS5 8/2.2M	EVMS5 8/2.2	2.2	3	90 L	76	-	-	72	68	64	55	41	-	-
	EVMS5 9/2.2M	EVMS5 9/2.2	2.2	3	90 L	85.5	-	-	81	77	72	62	46	-	-
	EVMS5 10/2.2M	EVMS5 10/2.2	2.2	3	90 L	95	-	-	-	90	85.5	80	69	51	
	EVMS5 11/2.2M	EVMS5 11/2.2	2.2	3	90 L	104	-	-	-	98.5	94	87.5	76	56	
	-	EVMS5 12/3.0	3.0	4	100 L	114	-	-	-	108	102	95.5	83	61	
	-	EVMS5 13/3.0	3.0	4	100 L	123	-	-	-	117	111	104	89.5	66.5	
	-	EVMS5 14/3.0	3.0	4	100 L	133	-	-	-	126	119	112	96.5	71.5	
	-	EVMS5 15/3.0	3.0	4	100 L	142	-	-	-	135	128	120	104	76.5	
	-	EVMS5 17/4.0	4.0	5.5	112 M	161	-	-	-	153	145	136	117	86.5	
	-	EVMS5 19/4.0	4.0	5.5	112 M	180	-	-	-	171	162	152	131	97	
	-	EVMS5 20/4.0	4.0	5.5	112 M	190	-	-	-	179	171	160	138	102	
	-	EVMS5 23/5.5	5.5	7.5	132 S	218	-	-	-	206	196	183	159	117	
	-	EVMS5 25/5.5	5.5												

SELECTION CHART

50 Hz

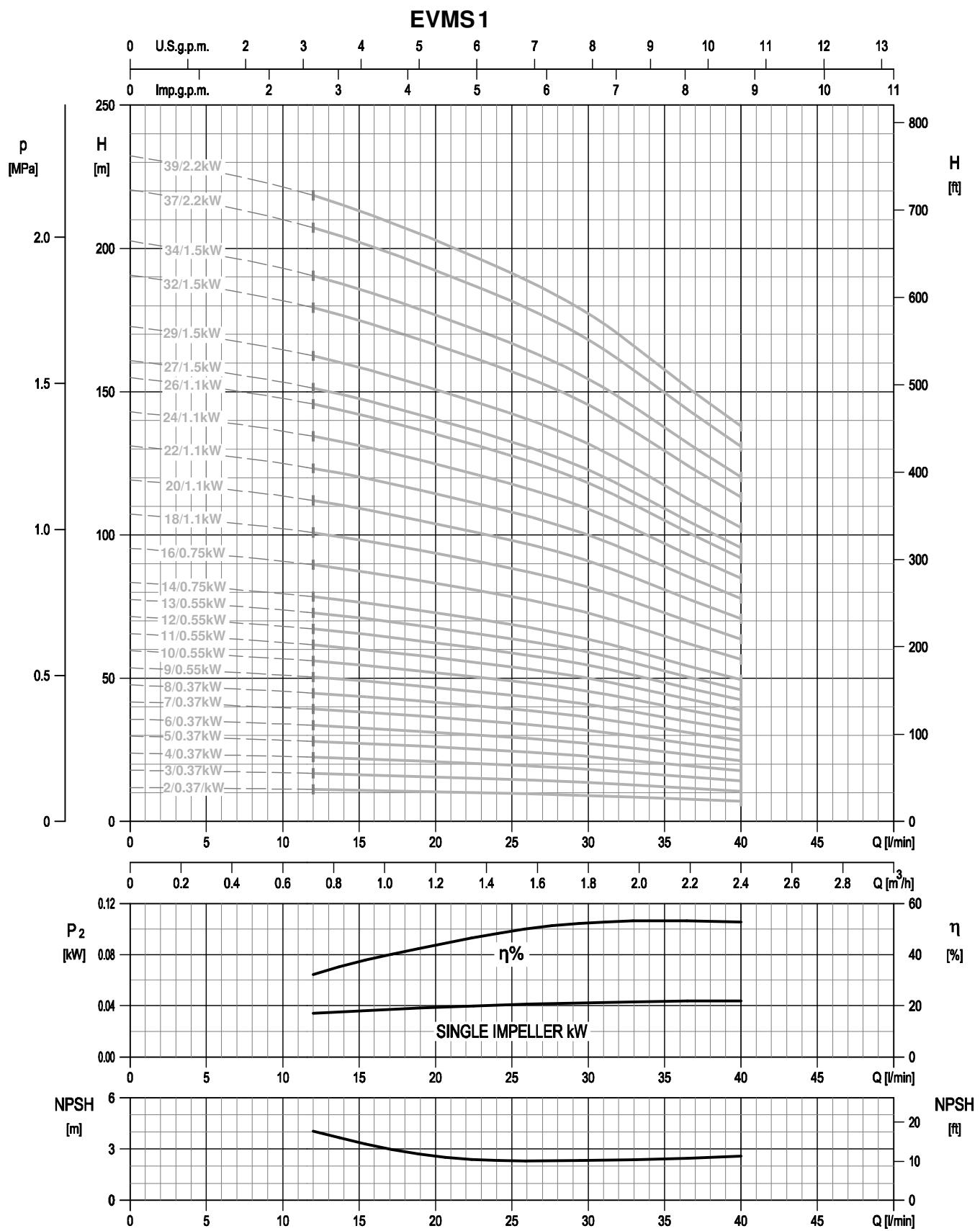
EVMS 10-15-20

Pump Type		Motor			Maximum working pressure (MPa)	Q=Capacity												
Single phase	Three phase	kW	HP	Size		l/min 0	75	100	130	150	180	200	250	300	350	400	450	480
					m³/h 0	4.5	6.0	7.8	9.0	10.8	12.0	15.0	18.0	21.0	24.0	27.0	28.8	
10	EVMS10 2/0.75M	EVMS10 2/0.75	0.75	1	80	1.6	21.8	21.2	20.8	19.7	18.7	16.6	14.9	9.8	-	-	-	-
	EVMS10 3/1.5M	EVMS10 3/1.5	1.5	2	90 S		32.7	31.8	31.2	29.6	28.0	24.9	22.4	14.7	-	-	-	-
	EVMS10 4/2.2M	EVMS10 4/2.2	2.2	3	90 L		43.6	42.4	41.7	39.5	37.3	33.2	29.8	19.6	-	-	-	-
	EVMS10 5/2.2M	EVMS10 5/2.2	2.2	3	90 L		54.5	53	52	49.3	46.7	41.5	37.3	24.6	-	-	-	-
	EVMS10 6/2.2M	EVMS10 6/2.2	2.2	3	90 L		65.5	63.5	62.5	59	56	50	45	29.5	-	-	-	-
	-	EVMS10 7/3.0	3.0	4	100 L		76.5	74	73	69	65.5	58	52	34.4	-	-	-	-
	-	EVMS10 8/3.0	3.0	4	100 L		87.0	84.5	83.5	79	74.5	66.5	59.5	39.3	-	-	-	-
	-	EVMS10 9/4.0	4.0	5.5	112 M		98	95.5	93.5	89	84	74.5	67	44	-	-	-	-
	-	EVMS10 10/4.0	4.0	5.5	112 M	2.5	109	106	104	98.5	93.5	83	74.5	49	-	-	-	-
	-	EVMS10 11/4.0	4.0	5.5	112 M		120	116	115	109	103	91.5	82	54	-	-	-	-
	-	EVMS10 12/5.5	5.5	7.5	132 S		131	127	125	118	112	99.5	89.5	59	-	-	-	-
	-	EVMS10 14/5.5	5.5	7.5	132 S		153	148	146	138	131	116	104	68.5	-	-	-	-
	-	EVMS10 15/5.5	5.5	7.5	132 S		163	159	156	148	140	124	112	73.5	-	-	-	-
	-	EVMS10 16/7.5	7.5	10	132 S		174	169	167	158	149	133	119	78.5	-	-	-	-
	-	EVMS10 18/7.5	7.5	10	132 S		196	191	187	178	168	149	134	88.5	-	-	-	-
15	-	EVMS10 19/7.5	7.5	10	132 S		207	201	198	188	177	158	142	93.5	-	-	-	-
	-	EVMS10 21/7.5	7.5	10	132 S		229	222	219	207	196	174	157	103	-	-	-	-
	-	EVMS10 22/11	11	15	160 M		240	233	229	217	205	183	164	108	-	-	-	-
	-	EVMS10 23/11	11	15	160 M		251	244	240	227	215	191	172	113	-	-	-	-
	EVMS15 1/1.1M	EVMS15 1/1.1	1.1	1.5	80	1.6	14.9	-	-	13.3	13	12.4	12.1	10.8	9.5	7.5	4.8	-
	EVMS15 2/2.2M	EVMS15 2/2.2	2.2	3	90 L		29.5	-	-	27.5	27.1	26	26.1	24.9	23.1	20.4	16.8	-
	-	EVMS15 3/3.0	3.0	4	100 L		44.5	-	-	41.5	40.5	39.7	39.1	37.3	34.7	30.6	25.2	-
	-	EVMS15 4/4.0	4.0	5.5	112 M		59	-	-	55	54.5	53	52	50	46.5	41	33.6	-
	-	EVMS15 5/5.5	5.5	7.5	132 S		73.5	-	-	69	68	66	65	62	58	51	42	-
	-	EVMS15 6/5.5	5.5	7.5	132 S		88.5	-	-	82.5	81.5	79.5	78	74.5	69.5	61	50.5	-
	-	EVMS15 7/7.5	7.5	10	132 S		103	-	-	96.5	95.0	92.5	91	87	81	71.5	58.5	-
	-	EVMS15 8/7.5	7.5	10	132 S		118	-	-	110	109	106	104	99.5	92.5	81.5	67	-
20	-	EVMS15 9/11	11	15	160 M	2.5	133	-	-	124	122	119	117	112	104	92	75.5	-
	-	EVMS15 10/11	11	15	160 M		147	-	-	138	136	132	130	124	116	102	84	-
	-	EVMS15 11/11	11	15	160 M		162	-	-	151	149	146	143	137	127	112	92.5	-
	-	EVMS15 12/11	11	15	160 M		177	-	-	165	163	159	156	149	139	122	101	-
	-	EVMS15 13/11	11	15	160 M		191	-	-	179	176	172	169	162	150	133	109	-
	-	EVMS15 15/15	15	20	160 M		221	-	-	206	203	199	195	187	174	153	126	-
	-	EVMS15 17/15	15	20	160 M		250	-	-	234	231	225	221	211	197	173	143	-
20	EVMS20 1/1.5M	EVMS20 1/1.5	1.5	2	90 S	1.6	17.2	-	-	-	14.3	13.9	12.8	11.3	9.6	7.3	4.3	2.4
	-	EVMS20 2/3.0	3.0	4	100 L		33.7	-	-	-	30.4	29.9	28.9	27.7	26.2	23.6	19.9	17.4
	-	EVMS20 3/4.0	4.0	5.5	112 M		50.5	-	-	-	46	45	43.4	41.6	39.2	35.5	29.9	26.2
	-	EVMS20 4/5.5	5.5	7.5	132 S		67.4	-	-	-	61	60	58	55.4	52.3	47.3	39.8	34.9
	-	EVMS20 5/7.5	7.5	10	132 S		84.2	-	-	-	76.0	75	72.3	69.3	65.4	59	49.8	43.6
	-	EVMS20 6/7.5	7.5	10	132 S		101	-	-	-	91.2	90	87	83.1	78.5	71	59.7	52.3
	-	EVMS20 7/11	11	15	160 M		118	-	-	-	106	105	101	97	91.5	82.7	70	61.1
	-	EVMS20 8/11	11	15	160 M		135	-	-	-	122	120	116	111	105	95	80	70
20	-	EVMS20 9/11	11	15	160 M	2.5	152	-	-	-	137	135	130	125	118	106	89.6	79
	-	EVMS20 10/11	11	15	160 M		168	-	-	-	152	150	145	139	131	118	100	87
	-	EVMS20 11/15	15	20	160 M		185	-	-	-	167	165	159	152	144	130	110	96
	-	EVMS20 12/15	15	20	160 M		202	-	-	-	182	179	173	166	157	142	119	105
	-	EVMS20 13/15	15	20	160 M		219	-	-	-	198	194	188	180	170	154	129	113
	-	EVMS20 14/18.5	18.5	25	160 L		236	-	-	-	213	209	202	194	183	166	139	122
	-	EVMS20 15/18.5	18.5	25	160 L		253	-	-	-	228	224	217	208	196	177	149	131
	-	EVMS20 16/18.5	18.5	25	160 L		270	-	-	-	243	239	231	222	209	189	159	140

1.6 MPa=16 bar ; 2.5 MPa=25 bar

PERFORMANCE CURVE

50 Hz

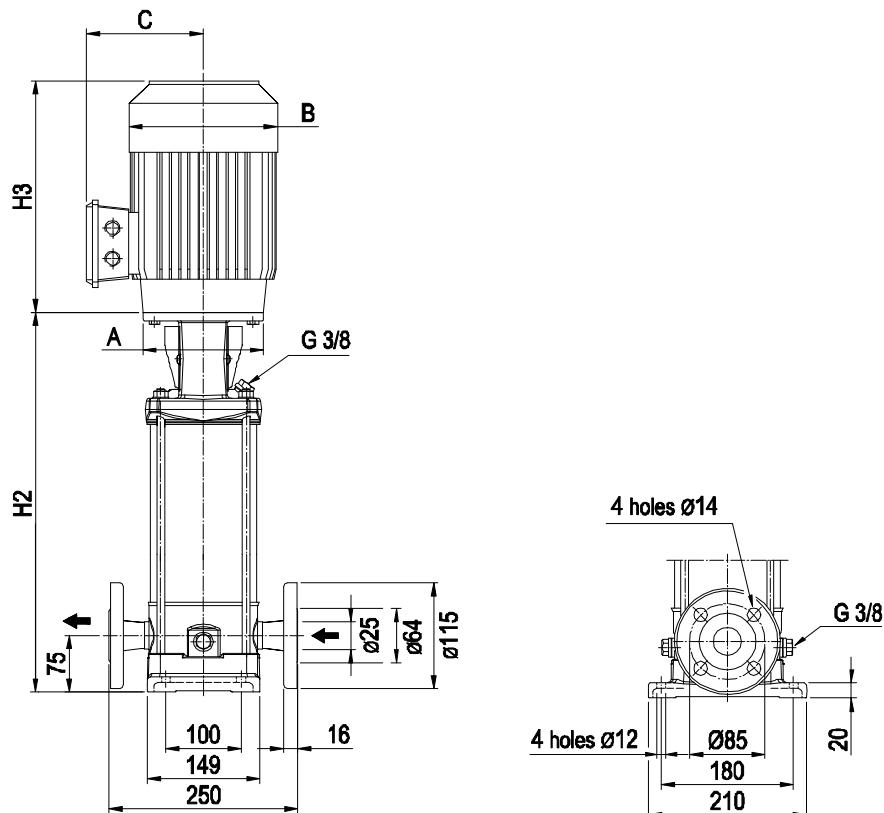


Rotation speed $\approx 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

200

EVMS1 Dimensional sketch

DIN Round flange (F) - DN25



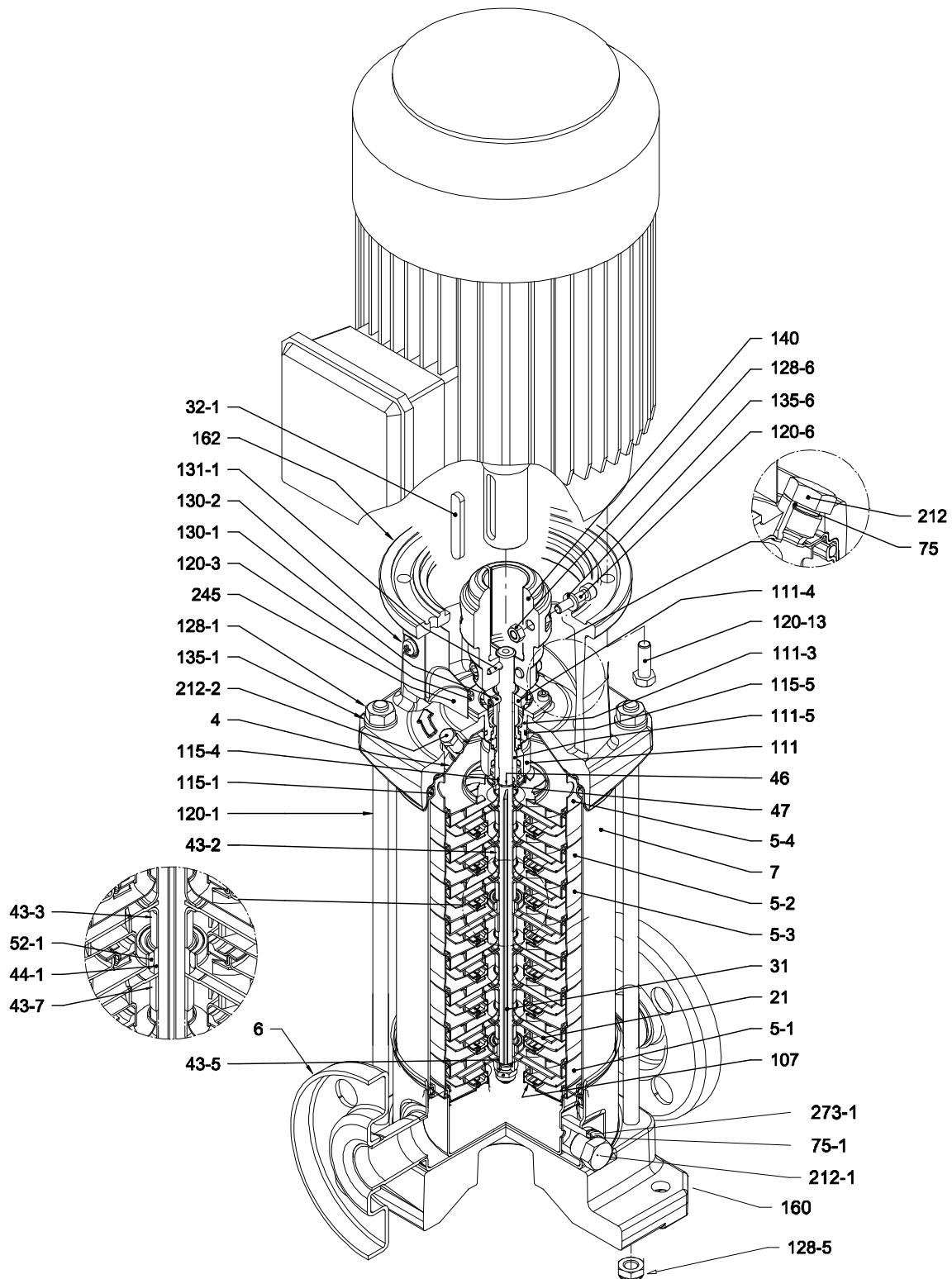
Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

Dimensions [mm] and Weights [Kg]

Pump Type	P _{max} [MPa]	Motor						H2	Weight Pump	Weight Pump + Motor				
		kW	Size	A	B	C	H3			1 ~	3 ~			
EVMS1 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	275	10.4	17.5	16.2
EVMS1 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	296	10.9	18	16.7
EVMS1 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	317	11.3	18.4	17.1
EVMS1 5/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	338	11.8	18.9	17.6
EVMS1 6/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	359	12.2	19.3	18
EVMS1 7/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	380	12.6	19.7	18.4
EVMS1 8/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	401	13.1	20.2	18.9
EVMS1 9/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	422	13.5	22	19.7
EVMS1 10/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	443	13.9	22.4	20.1
EVMS1 11/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	464	14.4	22.9	20.6
EVMS1 12/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	485	15.1	23.6	21.3
EVMS1 13/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	506	15.7	24.2	21.9
EVMS1 14/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	537	16.4	27.8	25.9
EVMS1 16/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	579	17.4	28.8	26.9
EVMS1 18/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	621	18.5	30.3	29.6
EVMS1 20/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	663	19.5	31.3	30.6
EVMS1 22/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	705	20.7	32.5	31.8
EVMS1 24/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	747	21.7	33.5	32.8
EVMS1 26/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	789	22.7	34.5	33.8
EVMS1 27/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	820	23.1	40.9	35.8
EVMS1 29/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	862	24.1	41.9	36.8
EVMS1 32/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	925	25.4	43.2	38.1
EVMS1 34/1.5	2.5	1.5	90 S	ø140	172	140	278	180	148	267	967	26.3	44.1	39
EVMS1 37/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	1030	27.7	47.2	43.7
EVMS1 39/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	1072	28.7	48.2	44.7

1.6 MPa=16 bar ; 2.5 MPa=25 bar

EVMS1



EVMS1

Nº	PART NAME	MATERIAL	DIMENSIONS	STANDARD
		EVMS		
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate Casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	EN 1.4301 (AISI 304)		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)		
43-7	Spacer	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
45	Flange holder	EN 1.4301 (AISI 304)		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring Holder	EN 1.4301 (AISI 304)		
48	Impeller nut	A2-70 UNI 7323 with inox insert	M8	
52-1	Bearing	Tungsten carbide		
75	O-Ring (plug)	EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)	EPDM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal	SiC/Carbon/EPDM		
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM	D. 129.54x5.34	OR 6510
115-3	O-Ring	EPDM		
115-4	O-Ring (cartridge sleeve)	EPDM	D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)	EPDM	D. 32.99x2.62	OR 3131
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M10	
120-3	Screw	A2-70 UNI 7323	M4x10	ISO 4762
120-6	Screw for coupling	Galvanized steel	M6x25	ISO 4762
120-11	Screw for counterflange	A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80 MEC 90	Galvanized steel 8.8 strength class ISO 898/1	M6x20 M8x20 ISO 4017 ISO 4017
128-1	Nut for tie rod	Galvanized steel	M10	UNI 5588
128-5	Nut for tie rod	A2-70 UNI 7323	M10	UNI 7474
128-6	Nut for coupling	Galvanized steel	M6	ISO 4032
130-1	Set screw	A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard	A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	D. 4x32	UNI 4838
135-1	Washer	Galvanized steel	D. 10.5x21x2	UNI 6592
135-6	Washer	Carbon Steel	Ø6	
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast aluminium EN AB-AISI11Cu2 (Fe)	
160	Base		Die cast aluminium EN AB-AISI11Cu2 (Fe)	
162	Motor bracket		Cast iron EN-GJL-200-EN 1561	
212	Plug		EN 1.4301 (AISI 304)	G 3/8
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8
212-2	Venting plug		EN 1.4404 (AISI 316L)	
219	Counter flange		EN 1.4301 (AISI 304)	
245	Coupling guard		EN 1.4301 (AISI 304)	
273-1	Plug Washer		EN 1.4301 (AISI 304)	
615	Flange		Nodular Cast Iron	

QUANTITY FOR MODEL

50 Hz

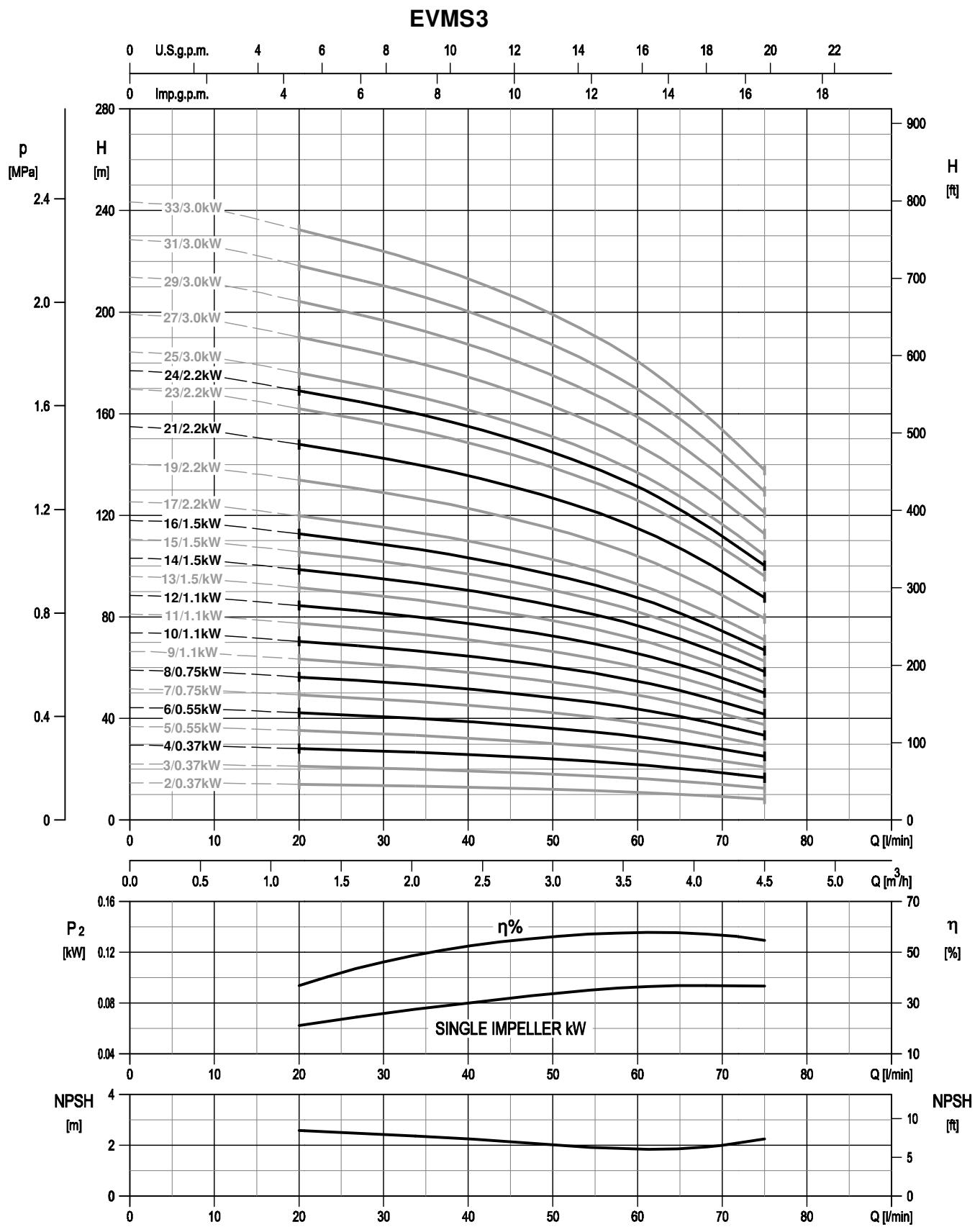
EVMS1

Pump Type	Nº																													
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5	
EVMS1 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	2	1	1	1	1	2	2	1	1	1	1	2	1	1	
EVMS1 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	2	3	1	1	1	1	2	1	1	
EVMS1 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	2	4	1	1	1	1	2	1	1	
EVMS1 5/0.37	1	1	3	1	1	1	1	5	1	1	7	1	1	1	/	1	2	1	1	1	1	2	5	1	1	1	1	2	1	1
EVMS1 6/0.37	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	2	6	1	1	1	1	2	1	1	
EVMS1 7/0.37	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	2	7	1	1	1	1	2	1	1	
EVMS1 8/0.37	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	2	8	1	1	1	1	2	1	1	
EVMS1 9/0.55	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	2	9	1	1	1	1	2	1	1	
EVMS1 10/0.55	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	2	10	1	1	1	1	2	1	1	
EVMS1 11/0.55	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	2	11	1	1	1	1	2	1	1	
EVMS1 12/0.55	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	2	12	1	1	1	1	2	1	1	
EVMS1 13/0.55	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	2	1	1	2	1	2	13	1	1	1	1	2	1	1	
EVMS1 14/0.75	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	2	1	1	2	1	2	14	1	1	1	1	2	1	1	
EVMS1 16/0.75	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	2	1	1	2	1	2	16	1	1	1	1	2	1	1	
EVMS1 18/1.1	1	1	15	2	1	1	1	18	1	1	30	2	/	1	2	2	1	1	2	1	2	18	1	1	1	1	2	1	1	
EVMS1 20/1.1	1	1	17	2	1	1	1	20	1	1	34	2	/	1	2	2	1	1	2	1	2	20	1	1	1	1	2	1	1	
EVMS1 22/1.1	1	1	19	2	1	1	1	22	1	1	38	2	/	1	2	2	1	1	2	1	2	22	1	1	1	1	2	1	1	
EVMS1 24/1.1	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	2	1	1	2	1	2	24	1	1	1	1	2	1	1	
EVMS1 26/1.1	1	1	23	2	1	1	1	26	1	1	46	2	/	1	2	2	1	1	2	1	2	26	1	1	1	1	2	1	1	
EVMS1 27/1.5	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	2	1	1	2	1	2	27	1	1	1	1	2	1	1	
EVMS1 29/1.5	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	2	1	1	2	1	2	29	1	1	1	1	2	1	1	
EVMS1 32/1.5	1	1	29	2	1	1	1	32	1	1	58	2	/	1	2	2	1	1	2	1	2	32	1	1	1	1	2	1	1	
EVMS1 34/1.5	1	1	31	2	1	1	1	34	1	1	62	2	/	1	2	2	1	1	2	1	2	34	1	1	1	1	2	1	1	
EVMS1 37/2.2	1	1	34	2	1	1	1	37	1	1	68	2	/	1	2	2	1	1	2	1	2	37	1	1	1	1	2	1	1	
EVMS1 39/2.2	1	1	36	2	1	1	1	39	1	1	72	2	/	1	2	2	1	1	2	1	2	39	1	1	1	1	2	1	1	

Pump Type	Nº																								
	120-1	120-3	120-6	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1				
EVMS1 2/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 3/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 4/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 5/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 6/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 7/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 8/0.37	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 9/0.55	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 10/0.55	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 11/0.55	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 12/0.55	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 13/0.55	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 14/0.75	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 16/0.75	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 18/1.1	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 20/1.1	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 22/1.1	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 24/1.1	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 26/1.1	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 27/1.5	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 29/1.5	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 32/1.5	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 34/1.5	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 37/2.2	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2
EVMS1 39/2.2	4	4	4	4	4	4	4	3	4	1	4	4	4	1	2	1	1	1	2	1	2	1	2	1	2

PERFORMANCE CURVE

50 Hz



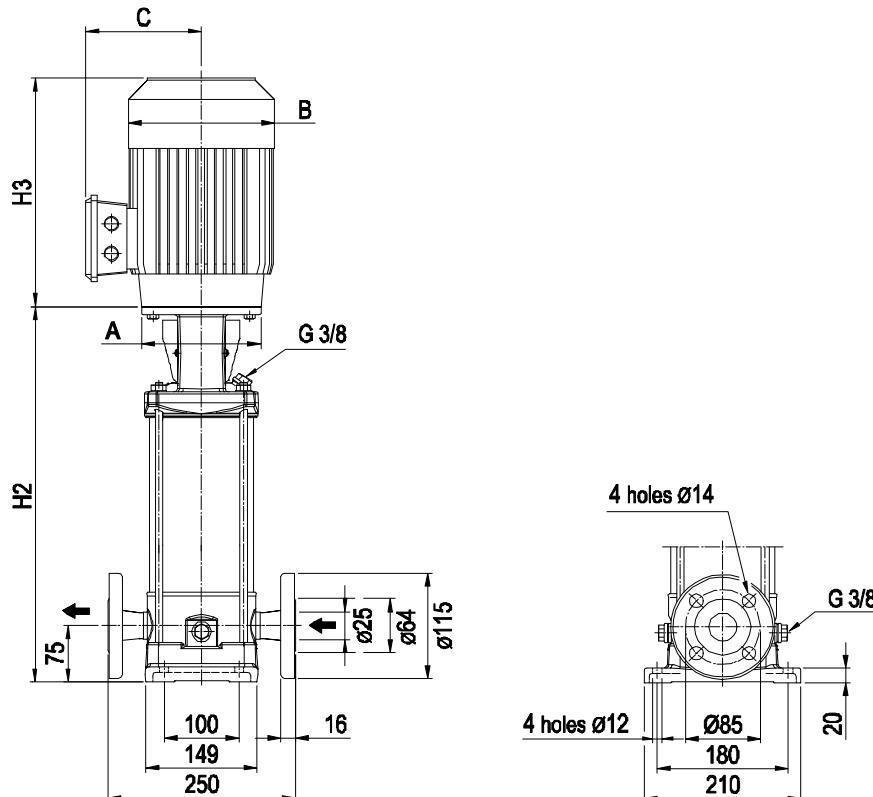
Rotation speed $\square 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

205

EVMS3 Dimensional sketch

DIN

Round flange (F) - DN25



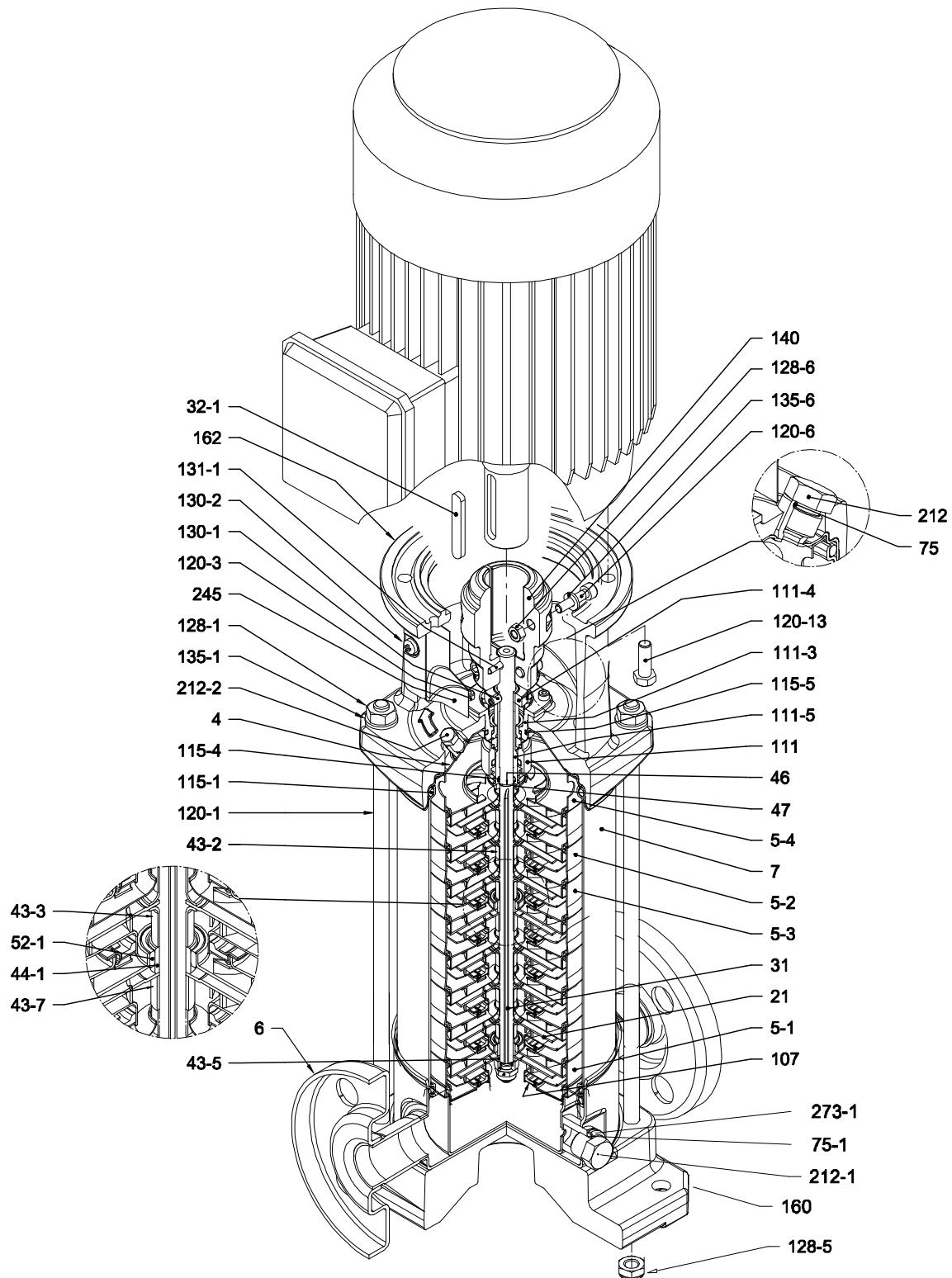
Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor						H2	Weight Pump	Weight Pump + Motor				
		kW	Size	A	1 ~	3 ~	B	C	H3	B	C	H3		
EVMS3 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	275	10.5	17.6	16.3
EVMS3 3/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	296	10.9	18	16.7
EVMS3 4/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	317	11.3	18.4	17.1
EVMS3 5/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	338	11.8	20.3	18
EVMS3 6/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	359	12.2	20.7	18.4
EVMS3 7/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	390	13.1	24.5	22.6
EVMS3 8/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	411	13.6	25	23.1
EVMS3 9/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	432	14	25.8	25.1
EVMS3 10/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	453	14.5	26.3	25.6
EVMS3 11/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	474	14.9	26.7	26
EVMS3 12/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	495	15.4	27.2	26.5
EVMS3 13/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	526	16.1	33.9	28.8
EVMS3 14/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	547	16.5	34.3	29.2
EVMS3 15/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	568	17	34.8	30
EVMS3 16/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	589	18	35.8	31
EVMS3 17/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	610	18.5	38	34.5
EVMS3 19/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	652	19.5	39	35.5
EVMS3 21/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	694	20.4	39.9	36.4
EVMS3 23/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	736	21.4	40.9	37.4
EVMS3 24/2.2	2.5	2.2	90 L	ø140	172	140	278	180	148	267	757	21.8	41.3	37.8
EVMS3 25/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	788	22.4	-	45.2
EVMS3 27/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	830	23.4	-	46.2
EVMS3 29/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	872	24.3	-	47.1
EVMS3 31/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	914	25.3	-	48.1
EVMS3 33/3.0	2.5	3.0	100 L	ø160	-	-	-	196	155	306	956	26.1	-	48.9

1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

EVMS3



EVMS3

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate Casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	EN 1.4301 (AISI 304)		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)		
43-7	Spacer	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
45	Flange holder	EN 1.4301 (AISI 304)		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring Holder	EN 1.4301 (AISI 304)		
48	Impeller nut	A2-70 UNI 7323 with inox insert	M8	
52-1	Bearing	Tungsten carbide		
75	O-Ring (plug)	EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)	EPDM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal	SiC/Carbon/EPDM		
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM	D. 129.54x5.34	OR 6510
115-3	O-Ring	EPDM		
115-4	O-Ring (cartridge sleeve)	EPDM	D. 11.91x2.62	OR 115
115-5	O-Ring (seal cover)	EPDM	D. 32.99x2.62	OR 3131
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M10	
120-3	Screw	A2-70 UNI 7323	M4x10	ISO 4762
120-6	Screw for coupling	Galvanized steel	M6x25	ISO 4762
120-11	Screw for counterflange	A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80 MEC 90-100	Galvanized steel 8.8 strength class ISO 898/1	M6x20 ISO 4017 M8x20 ISO 4017
128-1	Nut for tie rod		Galvanized steel	M10 UNI 5588
128-5	Nut for tie rod		A2-70 UNI 7323	M10 UNI 7474
128-6	Nut for coupling		Galvanized steel	M6 ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8 UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6 UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 4x32 UNI 4838
135-1	Washer		Galvanized steel	D. 10.5x21x2 UNI 6592
135-6	Washer		Carbon Steel	Ø6
137-1	Impeller spacer		EN 1.4301 (AISI 304)	
140	Coupling	up to 4.0 kW	Die cast aluminium EN AB-AISI11Cu2 (Fe)	
160	Base		Die cast aluminium EN AB-AISI11Cu2 (Fe)	
162	Motor bracket		Cast iron EN-GJL-200-EN 1561	
212	Plug		EN 1.4301 (AISI 304)	G 3/8
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8
212-2	Venting plug		EN 1.4404 (AISI 316L)	
219	Counter flange		EN 1.4301 (AISI 304)	
245	Coupling guard		EN 1.4301 (AISI 304)	
273-1	Plug Washer		EN 1.4301 (AISI 304)	
615	Flange		Nodular Cast Iron	

QUANTITY FOR MODEL

50 Hz

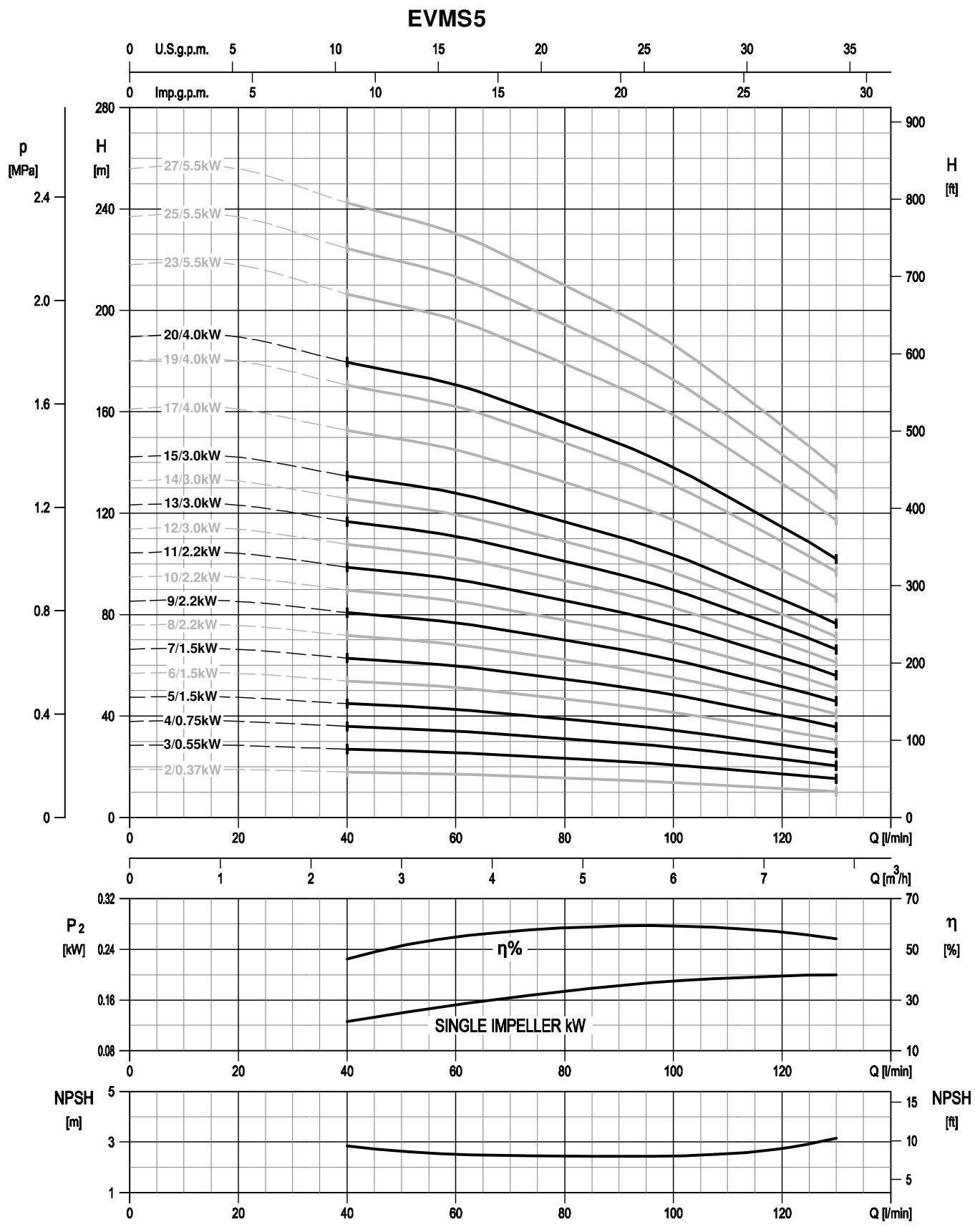
EVMS3

Pump Type	Nº																												
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	43-5	43-7	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMS3 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	/	/	1	2	1	1	1	1	2	2	1	1	1	1	2	1	1
EVMS3 3/0.37	1	1	1	1	1	1	1	3	1	1	3	1	/	/	1	2	1	1	1	1	2	3	1	1	1	1	2	1	1
EVMS3 4/0.37	1	1	2	1	1	1	1	4	1	1	5	1	/	/	1	2	1	1	1	1	2	4	1	1	1	1	2	1	1
EVMS3 5/0.55	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	2	5	1	1	1	1	2	1	1
EVMS3 6/0.55	1	1	4	1	1	1	1	6	1	1	9	1	/	/	1	2	1	1	1	1	2	6	1	1	1	1	2	1	1
EVMS3 7/0.75	1	1	5	1	1	1	1	7	1	1	11	1	/	/	1	2	1	1	1	1	2	7	1	1	1	1	2	1	1
EVMS3 8/0.75	1	1	6	1	1	1	1	8	1	1	13	1	/	/	1	2	1	1	1	1	2	8	1	1	1	1	2	1	1
EVMS3 9/1.1	1	1	7	1	1	1	1	9	1	1	15	1	1	/	1	2	1	1	1	1	2	9	1	1	1	1	2	1	1
EVMS3 10/1.1	1	1	8	1	1	1	1	10	1	1	17	1	/	/	1	2	1	1	1	1	2	10	1	1	1	1	2	1	1
EVMS3 11/1.1	1	1	9	1	1	1	1	11	1	1	19	1	/	/	1	2	1	1	1	1	2	11	1	1	1	1	2	1	1
EVMS3 12/1.1	1	1	10	1	1	1	1	12	1	1	21	1	/	/	1	2	1	1	1	1	2	12	1	1	1	1	2	1	1
EVMS3 13/1.5	1	1	10	2	1	1	1	13	1	1	20	2	1	1	2	2	1	1	2	1	2	13	1	1	1	1	2	1	1
EVMS3 14/1.5	1	1	11	2	1	1	1	14	1	1	22	2	/	1	2	2	1	1	2	1	2	14	1	1	1	1	2	1	1
EVMS3 15/1.5	1	1	12	2	1	1	1	15	1	1	24	2	/	1	2	2	1	1	2	1	2	15	1	1	1	1	2	1	1
EVMS3 16/1.5	1	1	13	2	1	1	1	16	1	1	26	2	/	1	2	2	1	1	2	1	2	16	1	1	1	1	2	1	1
EVMS3 17/2.2	1	1	14	2	1	1	1	17	1	1	28	2	1	1	2	2	1	1	2	1	2	17	1	1	1	1	2	1	1
EVMS3 19/2.2	1	1	16	2	1	1	1	19	1	1	32	2	/	1	2	2	1	1	2	1	2	19	1	1	1	1	2	1	1
EVMS3 21/2.2	1	1	18	2	1	1	1	21	1	1	36	2	1	1	2	2	1	1	2	1	2	21	1	1	1	1	2	1	1
EVMS3 23/2.2	1	1	20	2	1	1	1	23	1	1	40	2	/	1	2	2	1	1	2	1	2	23	1	1	1	1	2	1	1
EVMS3 24/2.2	1	1	21	2	1	1	1	24	1	1	42	2	/	1	2	2	1	1	2	1	2	24	1	1	1	1	2	1	1
EVMS3 25/3.0	1	1	22	2	1	1	1	25	1	1	44	2	/	1	2	2	1	1	2	1	2	25	1	1	1	1	2	1	1
EVMS3 27/3.0	1	1	24	2	1	1	1	27	1	1	48	2	/	1	2	2	1	1	2	1	2	27	1	1	1	1	2	1	1
EVMS3 29/3.0	1	1	26	2	1	1	1	29	1	1	52	2	/	1	2	2	1	1	2	1	2	29	1	1	1	1	2	1	1
EVMS3 31/3.0	1	1	28	2	1	1	1	31	1	1	56	2	/	1	2	2	1	1	2	1	2	31	1	1	1	1	2	1	1
EVMS3 33/3.0	1	1	30	2	1	1	1	33	1	1	60	2	/	1	2	2	1	1	2	1	2	33	1	1	1	1	2	1	1

Pump Type	Nº																				
	120-1	120-3	120-6	120-13	128-1	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1
EVMS3 2/0.37	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 3/0.37	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 4/0.37	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 5/0.55	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 6/0.55	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 7/0.75	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 8/0.75	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 9/1.1	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 10/1.1	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 11/1.1	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 12/1.1	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 13/1.5	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 14/1.5	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 15/1.5	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 16/1.5	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 17/2.2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 19/2.2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 21/2.2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 23/2.2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 24/2.2	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 25/3.0	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 27/3.0	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 29/3.0	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 31/3.0	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS3 33/3.0	4	4	4	4	4	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2

PERFORMANCE CURVE

50 Hz



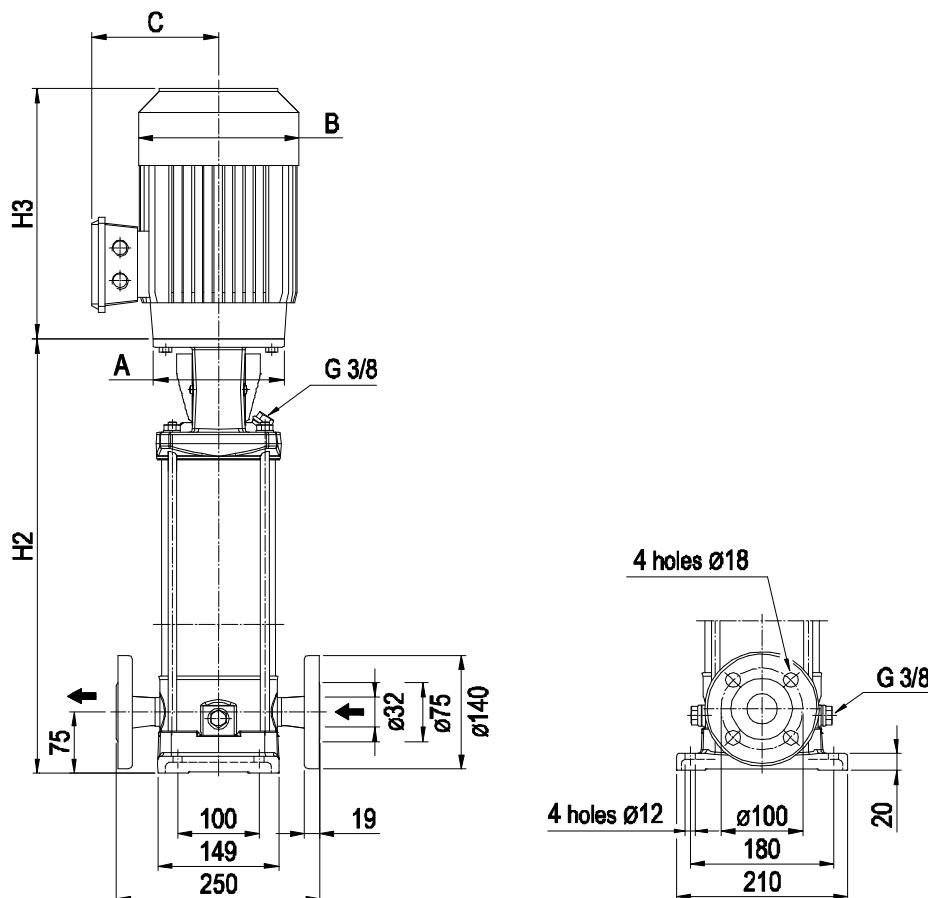
Rotation speed $\square 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

210

EVMS5 Dimensional sketch

DIN

Round flange (F) - DN32



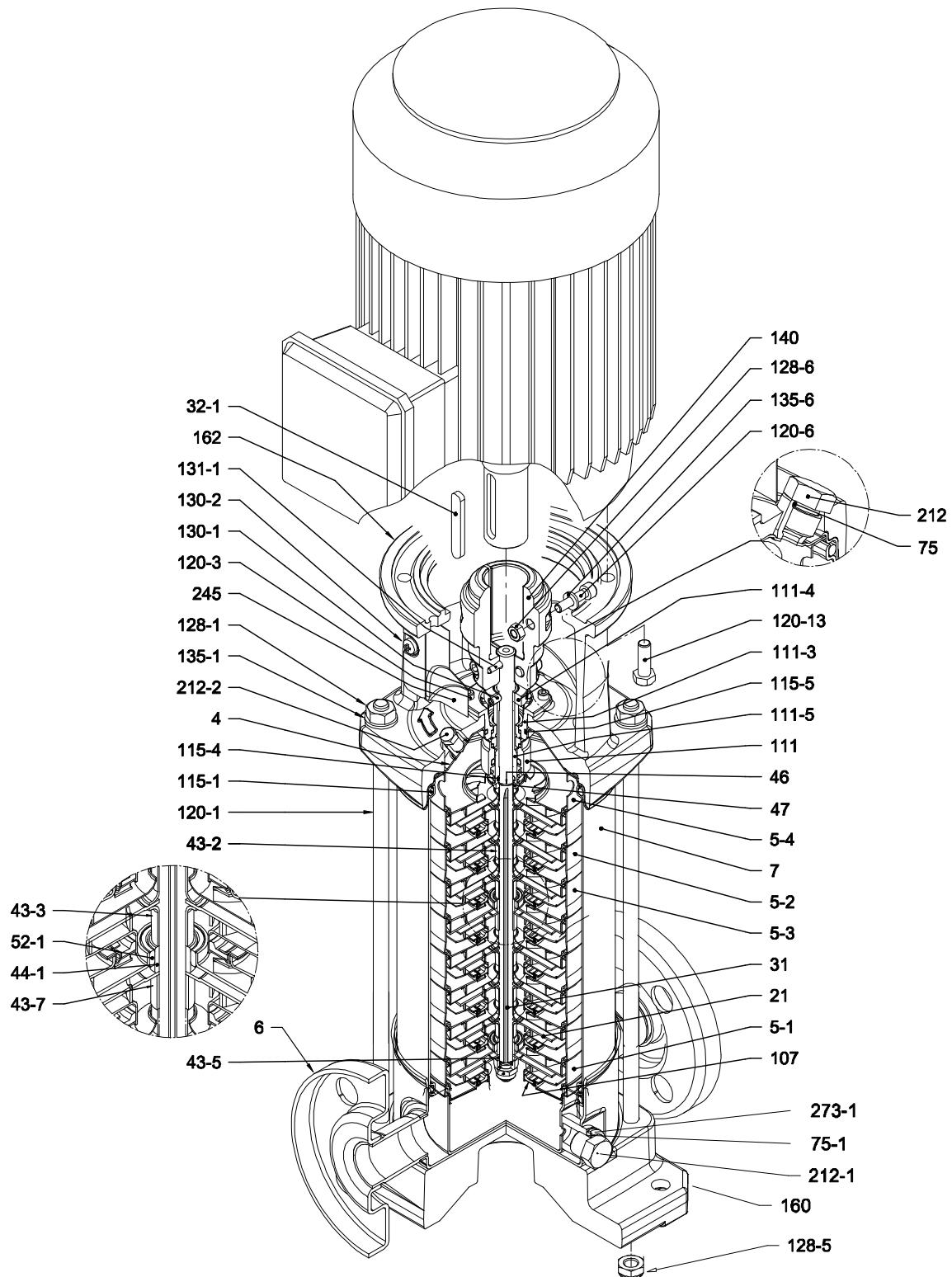
Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

Dimensions [mm] and Weights [Kg]

Pump Type	Pmax [MPa]	Motor						H2	Weight Pump	Weight Pump + Motor				
		kW	Size	A	1 ~					1 ~	3 ~			
					B	C	H3	B	C	H3				
EVMS5 2/0.37	1.6	0.37	71	ø105	139	133	216	139	114	216	289	11	18.1	16.8
EVMS5 3/0.55	1.6	0.55	71	ø105	139	133	216	139	114	216	317	11.5	20	17.7
EVMS5 4/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	355	12.5	23.9	22
EVMS5 5/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	383	13	24.8	24.1
EVMS5 6/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	421	13.7	31.5	26.4
EVMS5 7/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	449	14.1	31.9	26.8
EVMS5 8/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	477	14.6	34.1	30.6
EVMS5 9/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	505	15.2	34.7	31.2
EVMS5 10/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	533	15.6	35.1	31.6
EVMS5 11/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	561	16.5	36	32.5
EVMS5 12/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	599	17.7	-	40.5
EVMS5 13/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	627	18.3	-	41.1
EVMS5 14/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	655	18.8	-	41.6
EVMS5 15/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	683	19.9	-	42.7
EVMS5 17/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	739	20.6	-	47.1
EVMS5 19/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	795	21.7	-	48.2
EVMS5 20/4.0	2.5	4.0	112 M	ø160	-	-	-	196	155	306	823	23.9	-	50.4
EVMS5 23/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	1001	30.6	-	69.2
EVMS5 25/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	1057	31.6	-	70.2
EVMS5 27/5.5	2.5	5.5	132 S	ø300	-	-	-	225	160	328	1113	33.1	-	71.7

1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

EVMS5



EVMS5

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD	
4	Casing cover	EN 1.4301 (AISI 304)			
5-1	Suction casing	EN 1.4301 (AISI 304)			
5-2	Intermediate Casing	EN 1.4301 (AISI 304)			
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)			
5-4	Discharge casing	EN 1.4301 (AISI 304)			
6	Bottom casing	EN 1.4301 (AISI 304)			
7	Outer casing	EN 1.4301 (AISI 304)			
21	Impeller	EN 1.4301 (AISI 304)			
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)			
32-1	Adjuster Key	EN 1.4301 (AISI 304)			
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)			
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)			
43-4	Shaft sleeve (adjustment)	EN 1.4404 (AISI 316L)			
43-5	Shaft sleeve (last stage)	EN 1.4301 (AISI 304)			
44-1	Shaft sleeve bearing	Tungsten carbide			
45	Flange holder	EN 1.4301 (AISI 304)			
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)			
47	Ring Holder	EN 1.4301 (AISI 304)			
48	Impeller nut	A2-70 UNI 7323 with inox insert	M8		
52-1	Bearing	Tungsten carbide			
75	O-Ring (plug)	EPDM	D. 12.37x2.62	OR 3050	
75-1	O-Ring (plug)	EPDM			
107	Liner ring	EN 1.4301 (AISI 304) + PPS			
111	Mechanical Seal	SIC/Carbon/EPDM			
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)			
111-4	Seal holder	EN 1.4301 (AISI 304)			
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)			
115-1	O-Ring (outer casing)	EPDM	D. 129.54x5.34	OR 6510	
115-3	O-Ring	EPDM			
115-4	O-Ring (cartridge sleeve)	EPDM	D. 11.91x2.62	OR 115	
115-5	O-Ring (seal cover)	EPDM	D. 32.99x2.62	OR 3131	
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M10		
120-3	Screw	A2-70 UNI 7323	M4x10	ISO 4762	
120-6	Screw for coupling	up to 4.0 kW above 5.5 kW	Galvanized steel	M6x25 M8x20	ISO 4762 ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 71-80 MEC 90-100-112 MEC 132		M6x20 M8x20 M12x40	ISO 4017 ISO 4017 ISO 4017
128-1	Nut for tie rod		Galvanized steel	M10	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	ISO 4032
128-5	Nut for tie rod		A2-70 UNI 7323	M10	UNI 7474
128-6	Nut for coupling		Galvanized steel	M6	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 4x32	UNI 4838
135-1	Washer		Galvanized steel	D. 10.5x21x2	UNI 6592
135-6	Washer		Carbon Steel	Ø6	
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW above 5.5 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe) Cast Iron		
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		EN 1.4301 (AISI 304)		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		
615	Flange		Nodular Cast Iron		

EVMS5

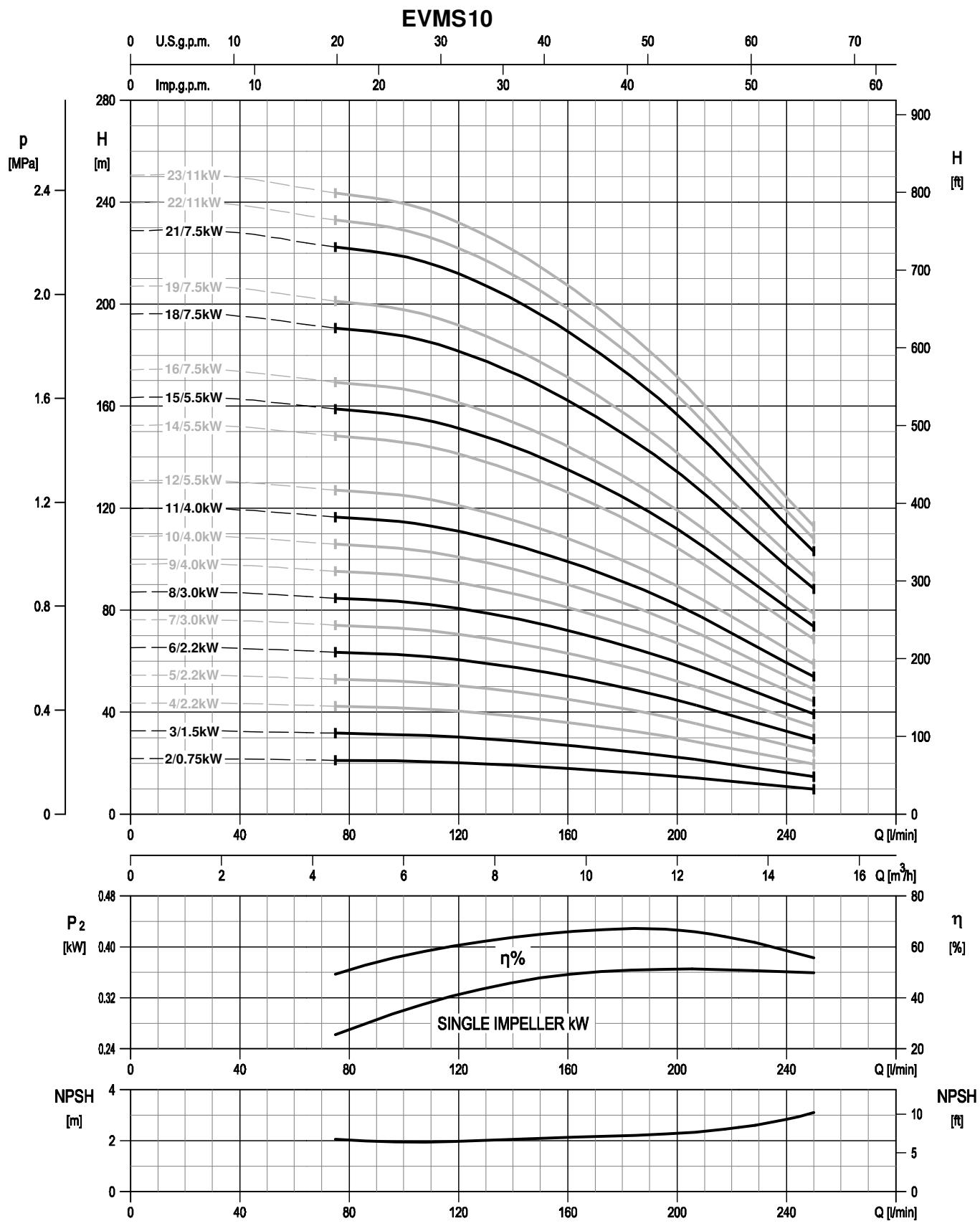
Pump Type	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-5	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5	
EVMS5 2/0.37	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	2	1	1	1	1	2	1	1	1	1	1	2	1	1	
EVMS5 3/0.55	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	2	1	1	1	1	2	3	1	1	1	1	2	1	1	
EVMS5 4/0.75	1	1	2	1	1	1	1	4	1	1	5	1	1	1	/	1	2	1	1	1	1	2	4	1	1	1	1	2	1	1
EVMS5 5/1.1	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	2	5	1	1	1	1	2	1	1	
EVMS5 6/1.5	1	1	4	1	1	1	1	6	1	1	9	1	1	1	1	2	1	1	1	1	2	6	1	1	1	1	2	1	1	
EVMS5 7/1.5	1	1	5	1	1	1	1	7	1	1	11	1	1	/	1	2	1	1	1	1	2	7	1	1	1	1	2	1	1	
EVMS5 8/2.2	1	1	6	1	1	1	1	8	1	1	13	1	1	/	1	2	1	1	1	1	2	8	1	1	1	1	2	1	1	
EVMS5 9/2.2	1	1	7	1	1	1	1	9	1	1	15	1	1	1	1	2	1	1	1	1	2	9	1	1	1	1	2	1	1	
EVMS5 10/2.2	1	1	8	1	1	1	1	10	1	1	17	1	1	/	1	2	1	1	1	1	2	10	1	1	1	1	2	1	1	
EVMS5 11/2.2	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	2	11	1	1	1	1	2	1	1	
EVMS5 12/3.0	1	1	9	2	1	1	1	12	1	1	19	2	2	1	2	2	1	1	1	2	1	2	12	1	1	1	1	2	1	1
EVMS5 13/3.0	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	2	13	1	1	1	1	2	1	1	
EVMS5 14/3.0	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	2	14	1	1	1	1	2	1	1	
EVMS5 15/3.0	1	1	12	2	1	1	1	15	1	1	25	2	2	1	2	2	1	1	2	1	2	15	1	1	1	1	2	1	1	
EVMS5 17/4.0	1	1	14	2	1	1	1	17	1	1	29	2	2	/	2	2	1	1	2	1	2	17	1	1	1	1	2	1	1	
EVMS5 19/4.0	1	1	16	2	1	1	1	19	1	1	33	2	2	/	2	2	1	1	2	1	2	19	1	1	1	1	2	1	1	
EVMS5 20/4.0	1	1	17	2	1	1	1	20	1	1	35	2	2	/	2	2	1	1	2	1	2	20	1	1	1	1	2	1	1	
EVMS5 23/5.5	1	1	20	2	1	1	1	23	1	1	41	2	2	/	2	2	1	1	2	1	2	23	1	1	1	1	2	1	1	
EVMS5 25/5.5	1	1	22	2	1	1	1	25	1	1	45	2	2	/	2	2	1	1	2	1	2	25	1	1	1	1	2	1	1	
EVMS5 27/5.5	1	1	23	3	1	1	1	27	1	1	47	3	2	/	3	2	1	1	3	1	2	27	1	1	1	1	2	1	1	

Pump Type	120-1	120-3	120-6	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1	
EVMS5 2/0.37	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 3/0.55	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 4/0.75	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 5/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 6/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 7/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 8/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 9/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 10/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 11/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 12/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 13/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 14/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 15/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 17/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 19/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 20/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 23/5.5	4	4	4	4	4	4	/	4	4	4	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 25/5.5	4	4	4	4	4	4	/	4	4	4	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS5 27/5.5	4	4	4	4	4	4	/	4	4	4	4	1	4	4	1	2	1	1	1	2	1	2	2

***  shaft in EN 1.4462 (AISI 329A)
128-3: only for motor up to 5.5 kW

PERFORMANCE CURVE

50 Hz

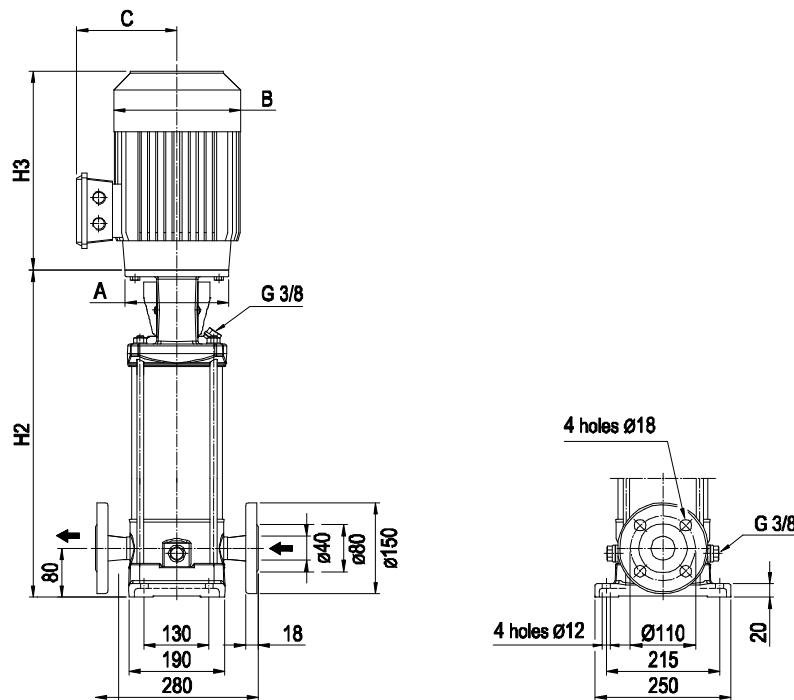


Rotation speed $\approx 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

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EVMS10

DIN Round flange (F) - DN40



Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

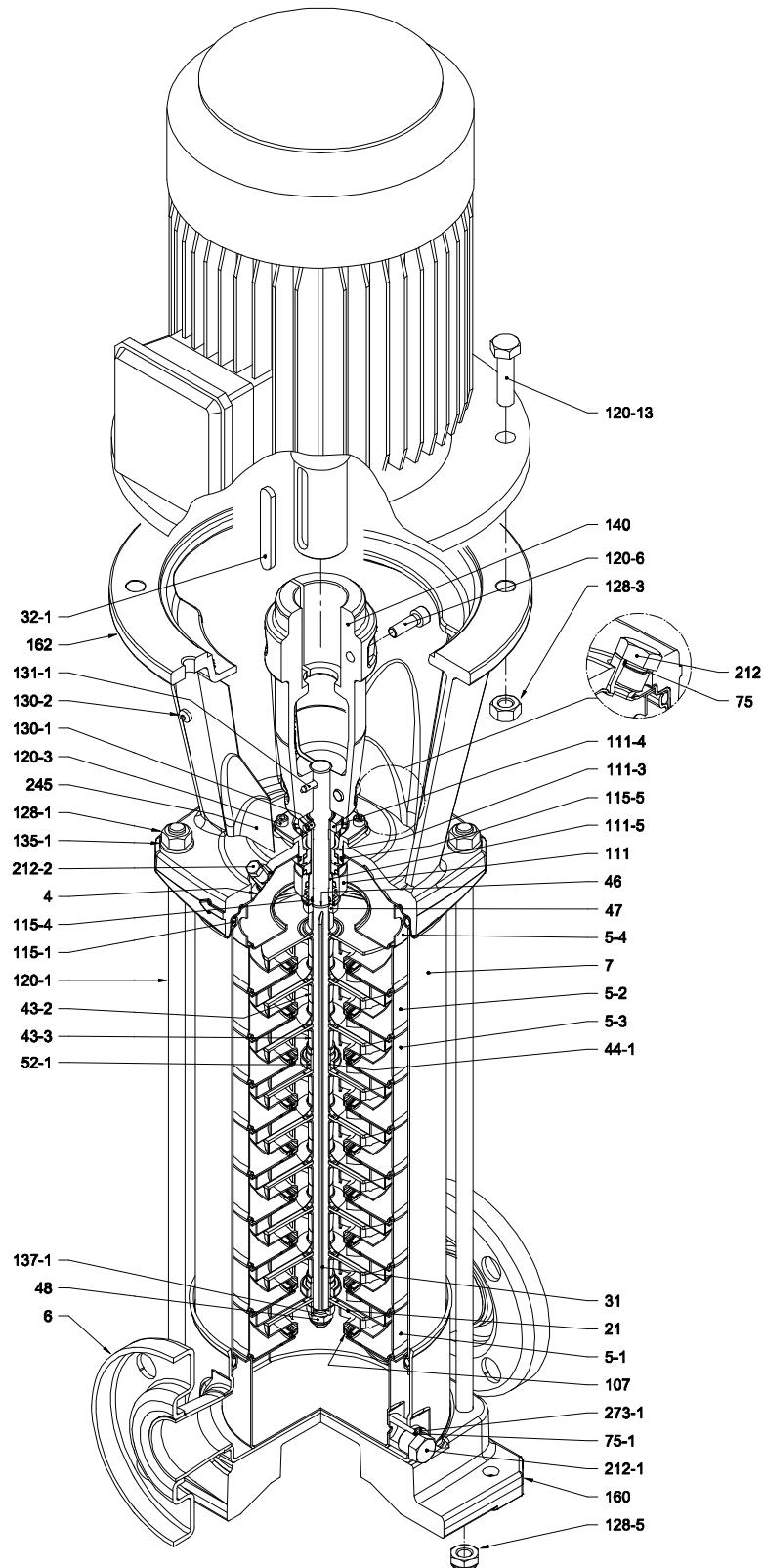
Dimensions [mm] and Weights [Kg]

Pump Type	P _{max} [MPa]	Motor						H2	Weight Pump	Weight Pump + Motor	
		kW	Size	A	B	C	H3			1 ~	3 ~
EVMS10 2/0.75	1.6	0.75	80	ø120	160	151	232	160	139	232	343
EVMS10 3/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	383
EVMS10 4/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	413
EVMS10 5/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	443
EVMS10 6/2.2	1.6	2.2	90 L	ø140	172	140	278	180	148	267	473
EVMS10 7/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	513
EVMS10 8/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	543
EVMS10 9/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	573
EVMS10 10/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	603
EVMS10 11/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	633
EVMS10 12/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	761
EVMS10 14/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	821
EVMS10 15/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	851
EVMS10 16/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	881
EVMS10 18/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	941
EVMS10 19/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	971
EVMS10 21/7.5	2.5	7.5	132 S	ø300	-	-	-	225	160	350	1031
EVMS10 22/11	2.5	11	160 M	ø350	-	-	-	248	194	476	1091
EVMS10 23/11	2.5	11	160 M	ø350	-	-	-	248	194	476	1121

1.6 MPa=16 bar ; 2.5 MPa=25 bar

- not available model

EVMS10



with Round flange (F)

EVMS10

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate Casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	EN 1.4301 (AISI 304)		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing	Tungsten carbide		
45	Flange holder	EN 1.4301 (AISI 304)		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring Holder	EN 1.4301 (AISI 304)		
48	Impeller nut	A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing	Tungsten carbide		
75	O-Ring (plug)	EPDM	D. 12,37x2,62	OR 3050
75-1	O-Ring (plug)	EPDM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal	SiC/Carbon/EPDM		
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM	D. 164,46x5,34	OR 6645
115-3	O-Ring	EPDM		
115-4	O-Ring (cartridge sleeve)	EPDM	D. 15,88x2,62	OR 121
115-5	O-Ring (seal cover)	EPDM	D. 37,77x2,62	OR 3150
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw	A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	Galvanized steel	M6x25	ISO 4762
	up to 4.0 kW		M8x20	ISO 4762
	from 5.5 kW to 7.5 kW		M10x30	ISO 4762
	above 11 kW			
120-11	Screw for counterflange	A2-70 UNI 7323		
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	M6x20	ISO 4017
	MEC 80		M8x20	ISO 4017
	MEC 90-100-112		M12x40	UNI 5739
	MEC 132		M16x50	ISO 4017
	MEC 160			
128-1	Nut for tie rod	Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	Galvanized steel	M12	UNI 5588
	MEC 132		M16	ISO 4032
	MEC 160			
128-5	Nut for tie rod	Galvanized steel	M12	UNI 7474
130-1	Set screw	A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard	A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	D. 5x35	UNI 4838
135-1	Washer	Galvanized steel	D. 13x24x2,5	UNI 6592
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
	up to 4.0 kW		Cast Iron	
	above 5.5 kW			
160	Base	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket	Cast iron EN-GJL-200-EN 1561		
212	Plug	EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug	EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)		
219	Counter flange	EN 1.4301 (AISI 304)		
245	Coupling guard	EN 1.4301 (AISI 304)		
273-1	Plug Washer	EN 1.4301 (AISI 304)		
615	Flange	Nodular Cast Iron		

EVMS10

Pump Type	Nº																										
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5
EVMS10 2/0.75	1	1	/	1	1	1	1	2	1	1	/	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	
EVMS10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	2	1	1	1	1	2	3	1	1	1	1	2	1	1
EVMS10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	2	1	1	1	1	2	4	1	1	1	1	2	1	1
EVMS10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	2	1	1	1	1	2	5	1	1	1	1	2	1	1
EVMS10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	2	1	1	1	1	2	6	1	1	1	1	2	1	1
EVMS10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	2	1	1	1	1	2	7	1	1	1	1	2	1	1
EVMS10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	2	1	1	1	1	2	8	1	1	1	1	2	1	1
EVMS10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	2	1	1	1	1	2	9	1	1	1	1	2	1	1
EVMS10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	2	1	1	1	1	2	10	1	1	1	1	2	1	1
EVMS10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	2	1	1	1	1	2	11	1	1	1	1	2	1	1
EVMS10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	2	1	1	2	1	2	12	1	1	1	1	2	1	1
EVMS10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	2	1	1	2	1	2	14	1	1	1	1	2	1	1
EVMS10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	2	1	1	2	1	2	15	1	1	1	1	2	1	1
EVMS10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	2	1	1	2	1	2	16	1	1	1	1	2	1	1
EVMS10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	2	1	1	2	1	2	18	1	1	1	1	2	1	1
EVMS10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	2	1	1	2	1	2	19	1	1	1	1	2	1	1
EVMS10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	2	1	1	2	1	2	21	1	1	1	1	2	1	1
EVMS10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	2	1	1	2	1	2	22	1	1	1	1	2	1	1
EVMS10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	2	1	1	3	1	2	23	1	1	1	1	2	1	1

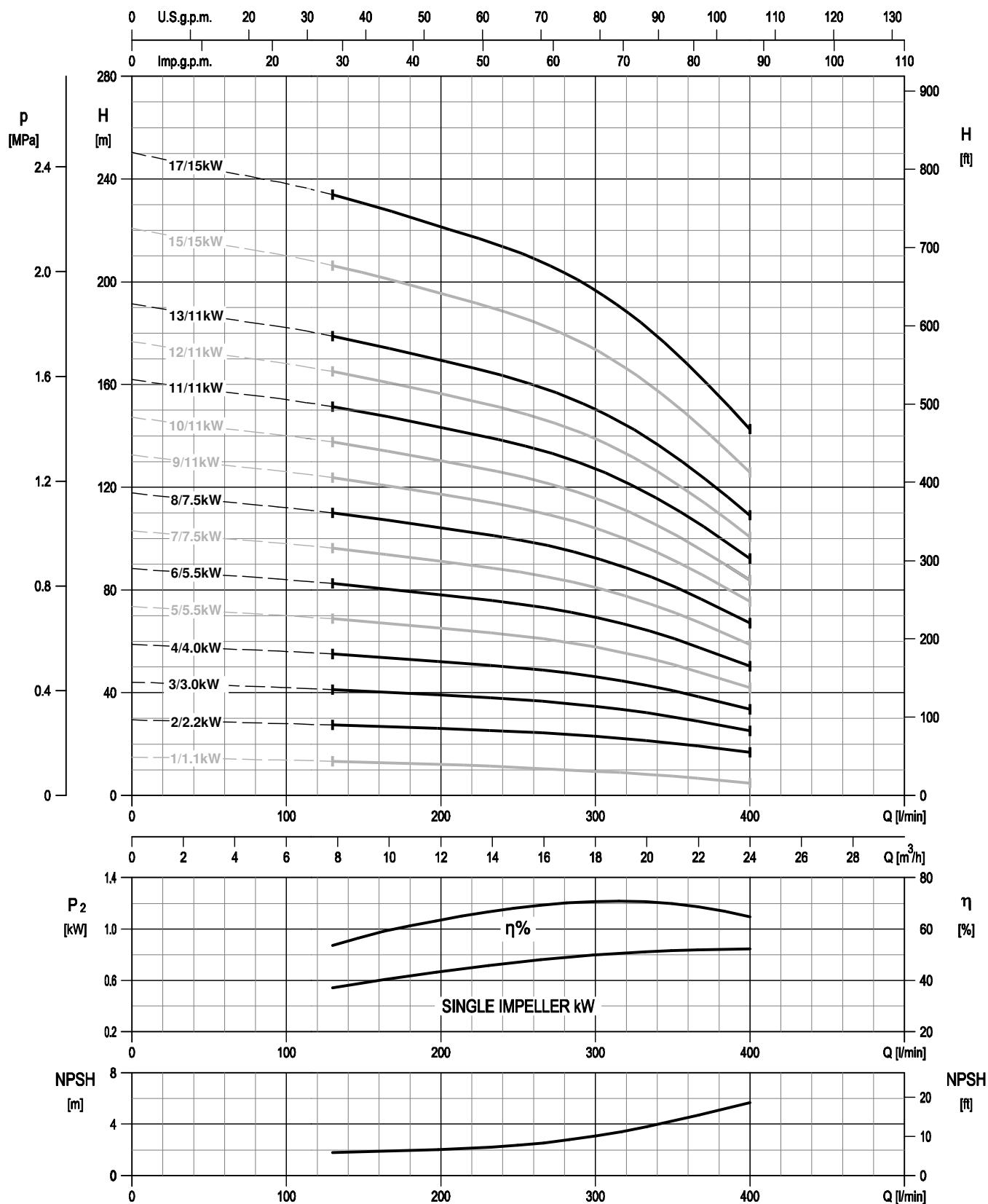
Pump Type	Nº																				245	273-1
	120-1	120-3	120-6	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1
EVMS10 2/0.75	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	2
EVMS10 3/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 4/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 5/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 6/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 7/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 8/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 9/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 10/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 11/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS10 12/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 14/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 15/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 16/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 18/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 19/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 21/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 22/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS10 23/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2

128-6 / 135-6 : with Aluminium coupling

PERFORMANCE CURVE

50 Hz

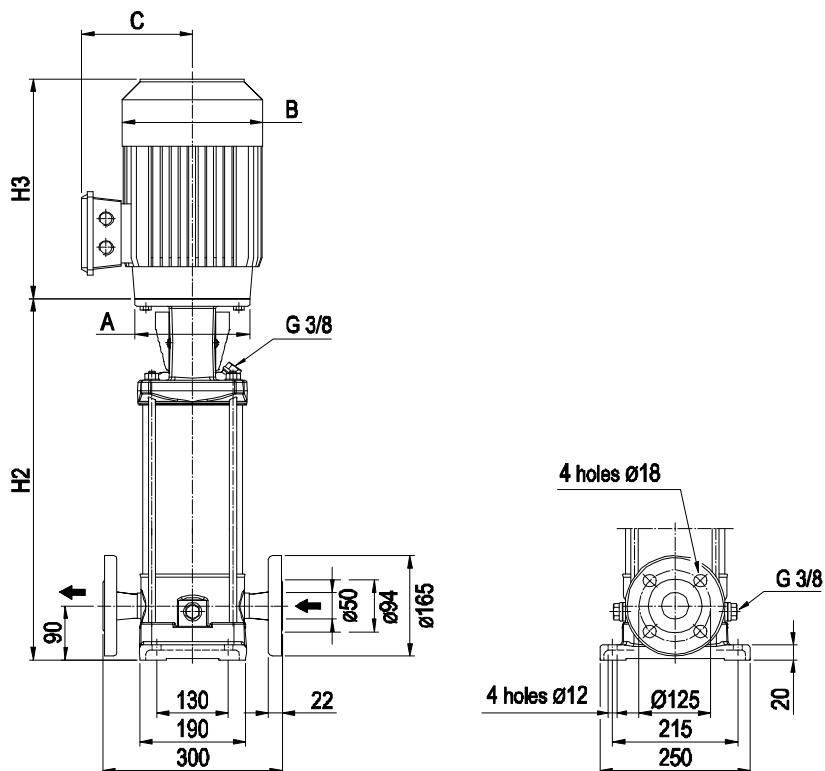
EVMS15

Rotation speed 2900 min⁻¹

Test standard: ISO 9906:2012 - Grade 3B

EVMS15

DIN Round flange (F) - DN50



Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

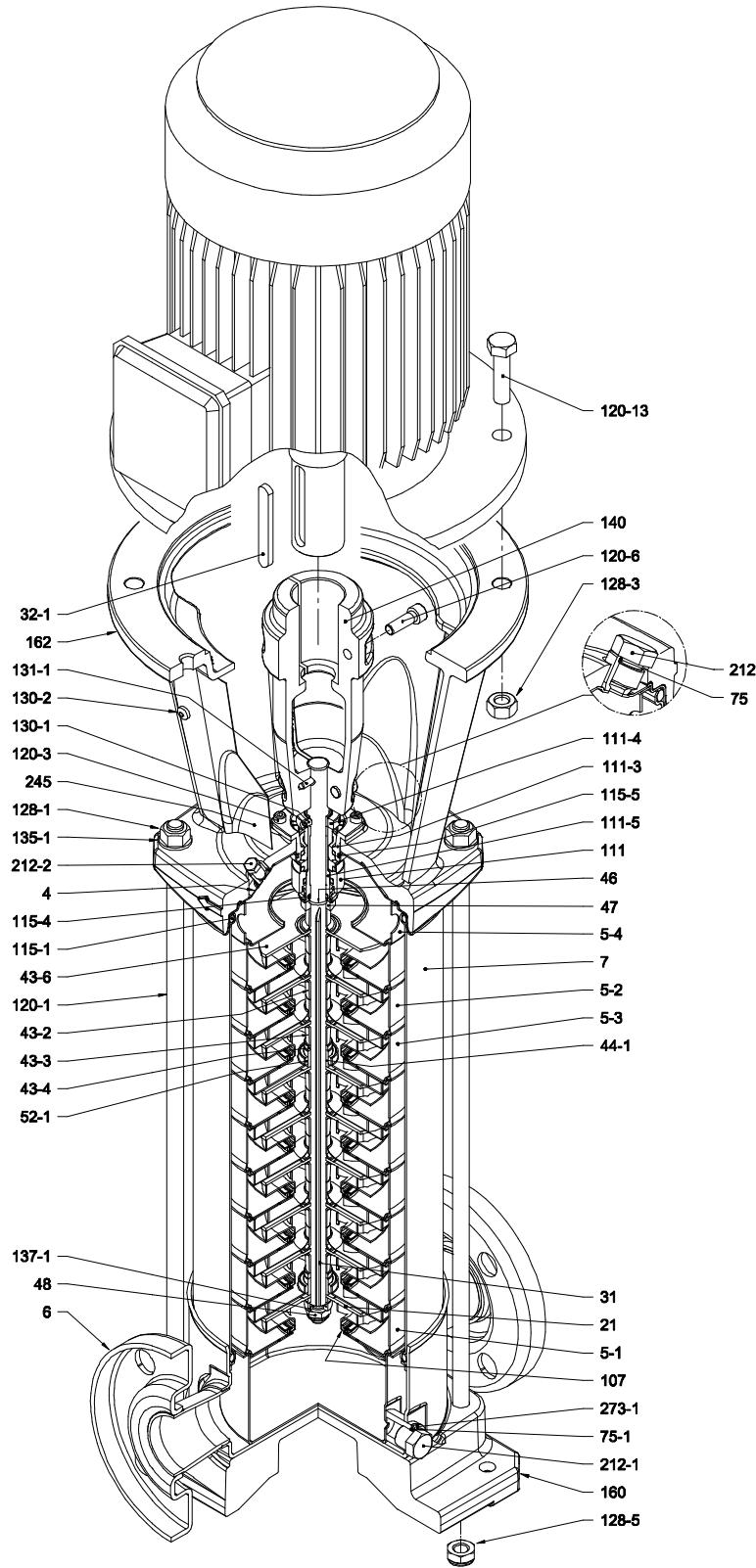
Dimensions [mm] and Weights [Kg]

Pump Type	P _{max} [MPa]	Motor									H2	Weight Pump	Weight Pump + Motor	
		kW	Size	A	1 ~			3 ~					1 ~	3 ~
					B	C	H3	B	C	H3				
EVMS15 1/1.1	1.6	1.1	80	ø120	160	151	232	160	139	232	377	18.8	30.6	29.9
EVMS15 2/2.2	1.6	2.2	90L	ø140	172	140	278	180	148	267	387	19.1	38.6	35.1
EVMS15 3/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	437	20.4	-	43.2
EVMS15 4/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	477	21.6	-	48.1
EVMS15 5/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	614	31.3	-	69.9
EVMS15 6/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	654	32.5	-	71.1
EVMS15 7/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	694	34.7	-	75.1
EVMS15 8/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	734	36	-	76.4
EVMS15 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	37.3	-	99.8
EVMS15 10/11	1.6	11	160 M	ø350	-	-	-	248	194	476	844	38.6	-	101.1
EVMS15 11/11	1.6	11	160 M	ø350	-	-	-	248	194	476	884	46.6	-	109.1
EVMS15 12/11	2.5	11	160 M	ø350	-	-	-	248	194	476	924	47.9	-	110.4
EVMS15 13/11	2.5	11	160 M	ø350	-	-	-	248	194	476	964	49.2	-	111.7
EVMS15 15/15	2.5	15	160 M	ø350	-	-	-	317	238	498	1044	51.8	-	140.7
EVMS15 17/15	2.5	15	160 M	ø350	-	-	-	317	238	498	1124	54.7	-	143.6

1.6 MPa=16 bar ; 2.5 MPa=25 bar

- not available model

EVMS15



with Round flange (F)

EVMS15

Nº	PART NAME	MATERIAL	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate Casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	EN 1.4301 (AISI 304)		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)		
43-6	Washer	EN 1.4404 (AISI 316L)	D. 26x2.5	
44-1	Shaft sleeve bearing	Tungsten carbide		
45	Flange holder	EN 1.4301 (AISI 304)		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring Holder	EN 1.4301 (AISI 304)		
48	Impeller nut	A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing	Tungsten carbide		
75	O-Ring (plug)	EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)	EPDM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal	SIC/Carbon/EPDM		
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM	D. 164.46x5.34	OR 6645
115-3	O-Ring	EPDM		
115-4	O-Ring (cartridge sleeve)	EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)	EPDM	D. 37.77x2.62	OR 3150
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw	A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW from 5.5 kW to 7.5 kW above 11 kW	Galvanized steel	M6x25 ISO 4762 M8x20 ISO 4762 M10x30 ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323	
120-13	Screw for motor	MEC 80 MEC 90-100-112 MEC 132 MEC 160	Galvanized steel 8.8 strength class ISO 898/1	M6x20 ISO 4017 M8x20 ISO 4017 M12x40 UNI 5739 M16x50 ISO 4017
128-1	Nut for tie rod		Galvanized steel	M12 UNI 5588
128-3	Nut (motor)	MEC 132 MEC 160	Galvanized steel	M12 UNI 5588 M16 ISO 4032
128-5	Nut for tie rod		Galvanized steel	M12 UNI 7474
130-1	Set screw		A2-70 UNI 7323	M5x8 UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6 UNI 7687
131-1	Pin for shaft		Carbon Steel	D. 5x35 UNI 4838
135-1	Washer		Galvanized steel	D. 13x24x2,5 UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)	
140	Coupling	up to 4.0 kW above 5.5 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe) Cast Iron	
160	Base		Die cast Aluminium EN AB-AISI11Cu2 (Fe)	
162	Motor bracket		Cast iron EN-GJL-200-EN 1561	
212	Plug		EN 1.4301 (AISI 304)	G 3/8
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8
212-2	Venting plug		EN 1.4404 (AISI 316L)	
219	Counter flange		EN 1.4301 (AISI 304)	
245	Coupling guard		EN 1.4301 (AISI 304)	
273-1	Plug Washer		EN 1.4301 (AISI 304)	
615	Flange		Carbon steel	

EVMS15

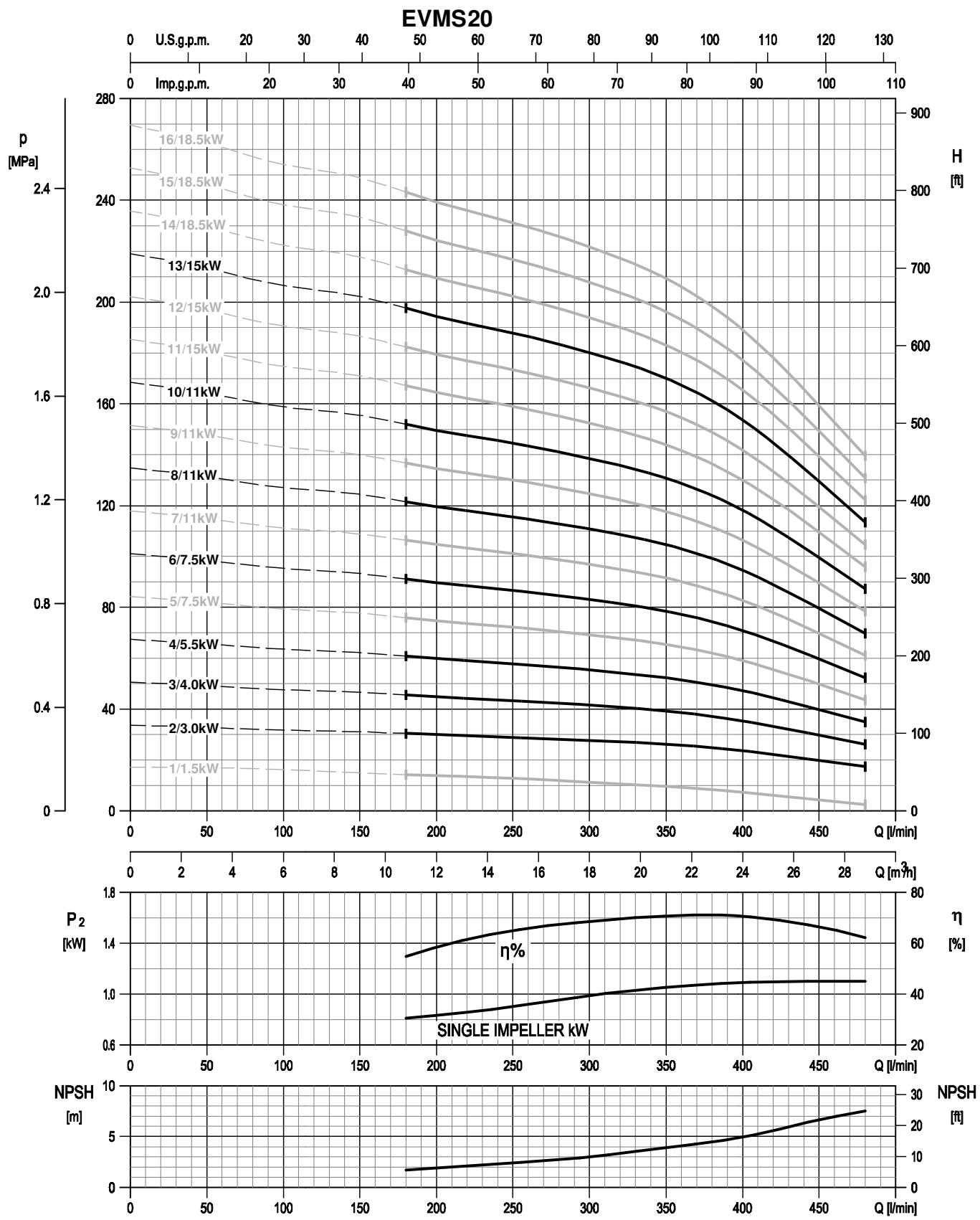
Pump Type	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5		
EVMS15 1/1.1	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	2	1	1		
EVMS15 2/2.2	1	1	/	1	1	1	1	2	1	1	/	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1		
EVMS15 3/3.0	1	1	1	1	1	1	1	3	1	1	3	1	1	1	1	/	1	2	1	1	1	1	2	3	1	1	1	1	2	1	1
EVMS15 4/4.0	1	1	2	1	1	1	1	4	1	1	5	1	1	1	/	1	2	1	1	1	1	2	4	1	1	1	1	2	1	1	
EVMS15 5/5.5	1	1	3	1	1	1	1	5	1	1	7	1	1	1	/	1	2	1	1	1	1	2	5	1	1	1	1	1	2	1	1
EVMS15 6/5.5	1	1	4	1	1	1	1	6	1	1	9	1	1	1	/	1	2	1	1	1	1	2	6	1	1	1	1	1	2	1	1
EVMS15 7/7.5	1	1	4	2	1	1	1	7	1	1	9	2	2	2	/	2	2	1	1	2	1	2	7	1	1	1	1	2	1	1	
EVMS15 8/7.5	1	1	5	2	1	1	1	8	1	1	11	2	2	2	/	2	2	1	1	2	1	2	8	1	1	1	1	1	2	1	1
EVMS15 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	2	/	2	2	1	1	2	1	2	9	1	1	1	1	1	2	1	1
EVMS15 10/11	1	1	7	2	1	1	1	10	1	1	15	1	2	2	/	2	2	1	1	2	1	2	10	1	1	1	1	1	2	1	1
EVMS15 11/11	1	1	8	2	1	1	1	11	1	1	17	1	2	2	/	2	2	1	1	2	1	2	11	1	1	1	1	1	2	1	1
EVMS15 12/11	1	1	9	2	1	1	1	12	1	1	19	1	2	2	/	2	2	1	1	2	1	2	12	1	1	1	1	1	2	1	1
EVMS15 13/11	1	1	10	2	1	1	1	13	1	1	21	1	2	2	/	2	2	1	1	2	1	2	13	1	1	1	1	1	2	1	1
EVMS15 15/15	1	1	12	2	1	1	1	15	1	1	25	1	2	2	/	2	2	1	1	2	1	2	15	1	1	1	1	1	2	1	1
EVMS15 17/15	1	1	13	3	1	1	1	17	1	1	27	2	2	7	/	3	2	1	1	3	1	2	17	1	1	1	1	2	1	1	

Pump Type	120-1	120-3	120-6	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1	
EVMS15 1/1.1	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	
EVMS15 2/2.2	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	
EVMS15 3/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	
EVMS15 4/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2	
EVMS15 5/5.5	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1	
EVMS15 6/5.5	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1	
EVMS15 7/7.5	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1	
EVMS15 8/7.5	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1	
EVMS15 9/11	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 10/11	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 11/11	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 12/11	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 13/11	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 15/15	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1
EVMS15 17/15	4	4	4	4	4	4	4	4	4	4	4	3	4	1	4	/	1	2	1	1	1	2	1

***  shaft in EN 1.4462 (AISI 329A)
128-6 / 135-6 : with Aluminium coupling

PERFORMANCE CURVE

50 Hz

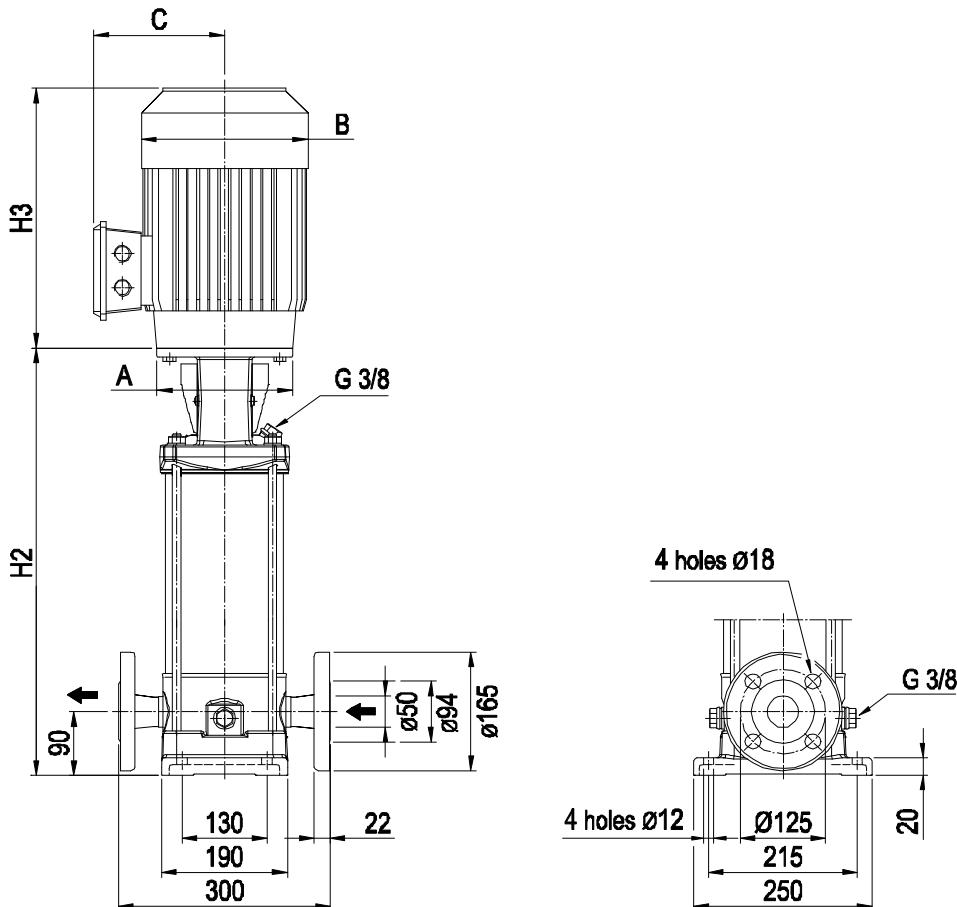


Rotation speed $\approx 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

225

DIN

Round flange (F) - DN50



Note: Dimensions H3, C & B may vary depending on motor type fitted. Dimensions refer to Ebara factory motors (European) not generally fitted in Australia. Example only.

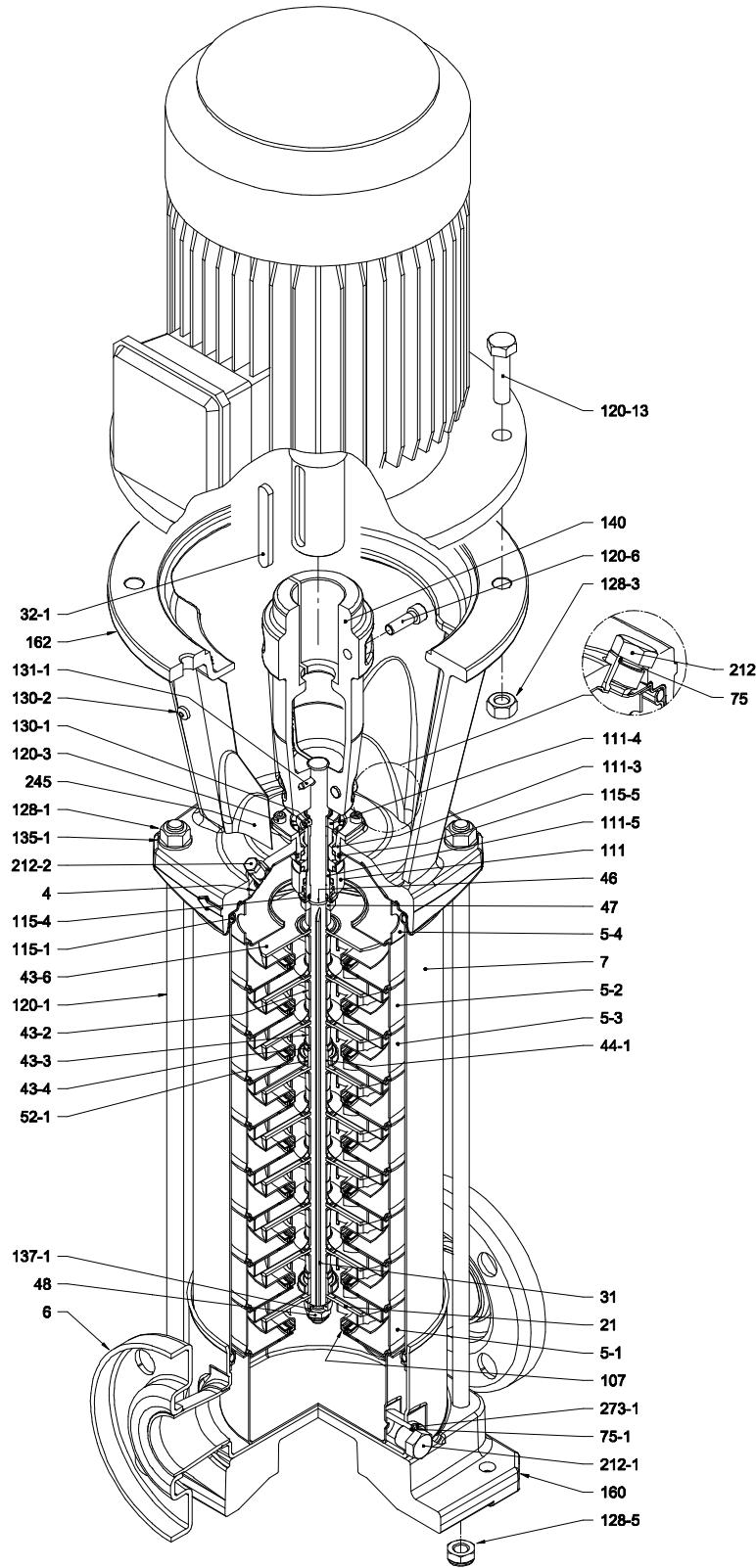
Dimensions [mm] and Weights [Kg]

Pump Type	P _{max} [MPa]	Motor									H2	Weight Pump	Weight Pump + Motor	
		kW	Size	A	1 ~			3 ~						
					B	C	H3	B	C	H3				
EVMS20 1/1.5	1.6	1.5	90 S	ø140	172	140	278	180	148	267	387	20	37.8	32.7
EVMS20 2/3.0	1.6	3.0	100 L	ø160	-	-	-	196	155	306	397	19.1	-	41.9
EVMS20 3/4.0	1.6	4.0	112 M	ø160	-	-	-	196	155	306	437	20.5	-	47
EVMS20 4/5.5	1.6	5.5	132 S	ø300	-	-	-	225	160	328	574	26.4	-	65
EVMS20 5/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	614	27.7	-	68.1
EVMS20 6/7.5	1.6	7.5	132 S	ø300	-	-	-	225	160	350	654	28.9	-	69.3
EVMS20 7/11	1.6	11	160 M	ø350	-	-	-	248	194	476	724	31.2	-	93.7
EVMS20 8/11	1.6	11	160 M	ø350	-	-	-	248	194	476	764	43	-	105.5
EVMS20 9/11	1.6	11	160 M	ø350	-	-	-	248	194	476	804	44.3	-	106.8
EVMS20 10/11	2.5	11	160 M	ø350	-	-	-	248	194	476	844	45.7	-	108.2
EVMS20 11/15	2.5	15	160 M	ø350	-	-	-	317	238	498	884	47	-	135.9
EVMS20 12/15	2.5	15	160 M	ø350	-	-	-	317	238	498	924	48.3	-	137.2
EVMS20 13/15	2.5	15	160 M	ø350	-	-	-	317	238	498	964	49.6	-	138.5
EVMS20 14/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	1004	51	-	155
EVMS20 15/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	1044	52.3	-	156.3
EVMS20 16/18.5	2.5	18.5	160 L	ø350	-	-	-	317	238	542	1084	53.6	-	157.6

1.6 MPa=16 bar ; 2.5 MPa=25 bar

- not available model

EVMS20



with Round flange (F)

SECTIONAL TABLE

50 Hz

EVMS20

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD
4	Casing cover	EN 1.4301 (AISI 304)		
5-1	Suction casing	EN 1.4301 (AISI 304)		
5-2	Intermediate Casing	EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing	EN 1.4301 (AISI 304)		
5-4	Discharge casing	EN 1.4301 (AISI 304)		
6	Bottom casing	EN 1.4301 (AISI 304)		
7	Outer casing	EN 1.4301 (AISI 304)		
21	Impeller	EN 1.4301 (AISI 304)		
31	Shaft	EN 1.4301 (AISI 304) - EN 1.4462 (AISI 329A)		
32-1	Adjuster Key	EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)	EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)	EN 1.4301 (AISI 304)		
43-4	Shaft sleeve (adjustment)	EN 1.4301 (AISI 304)		
43-6	Washer	EN 1.4404 (AISI 316L)	D. 26x2.5	
44-1	Shaft sleeve bearing	Tungsten carbide		
45	Flange holder	EN 1.4301 (AISI 304)		
46	Ring (mechanical seal)	EN 1.4404 (AISI 316L)		
47	Ring Holder	EN 1.4301 (AISI 304)		
48	Impeller nut	A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing	Tungsten carbide		
75	O-Ring (plug)	EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)	EPDM		
107	Liner ring	EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal	SiC/Carbon/EPDM		
111-3	Mechanical seal seat	EN 1.4301 (AISI 304)		
111-4	Seal holder	EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge	EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)	EPDM	D. 164,46x5,34	OR 6645
115-3	O-Ring	EPDM		
115-4	O-Ring (cartridge sleeve)	EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)	EPDM	D. 37.77x2.62	OR 3150
120-1	Tie-rod	Galvanized steel 6.8 strength class ISO 898/1	M12	
120-3	Screw	A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	Galvanized steel	M6x25	ISO 4762
			M8x20	ISO 4762
			M10x30	ISO 4762
120-11	Screw for counterflange	A2-70 UNI 7323		
120-13	Screw for motor	Galvanized steel 8.8 strength class ISO 898/1	M8x20	ISO 4017
			M12x40	UNI 5739
			M16x50	ISO 4017
128-1	Nut for tie rod	Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	Galvanized steel	M12	UNI 5588
			M16	ISO 4032
128-5	Nut for tie rod	Galvanized steel	M12	UNI 7474
130-1	Set screw	A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard	A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft	Carbon Steel	D. 5x35	UNI 4838
135-1	Washer	Galvanized steel	D. 13x24x2,5	UNI 6592
137-1	Impeller spacer	EN 1.4301 (AISI 304)		
140	Coupling	Die cast Aluminium EN AB-AISI11Cu2 (Fe) Cast Iron		
160	Base	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
162	Motor bracket	Cast iron EN-GJL-200-EN 1561		
212	Plug	EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug	EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug	EN 1.4404 (AISI 316L)		
219	Counter flange	EN 1.4301 (AISI 304)		
245	Coupling guard	EN 1.4301 (AISI 304)		
273-1	Plug Washer	EN 1.4301 (AISI 304)		
615	Flange	Carbon steel		

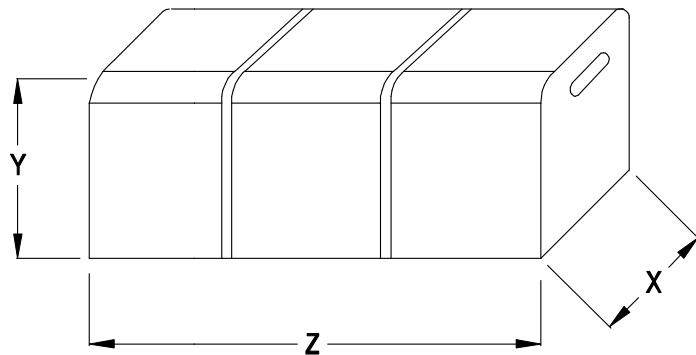
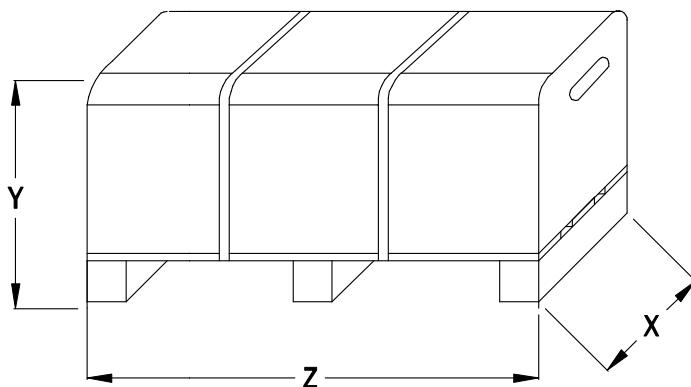
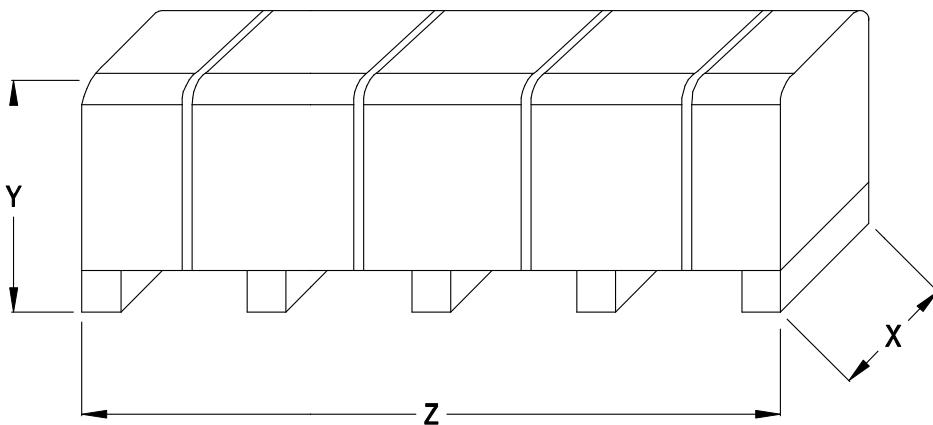
EVMS20

Pump Type	4	5-1	5-2	5-3	5-4	6	7	21	31***	32-1	43-2	43-3	43-4	43-6	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1	115-4	115-5	
EVMS20 1/1.5	1	1	/	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	2	1	1	
EVMS20 2/3.0	1	1	/	1	1	1	1	2	1	1	/	1	1	/	1	2	1	1	1	1	2	2	1	1	1	1	2	1	1	
EVMS20 3/4.0	1	1	1	1	1	1	1	3	1	1	3	1	1	/	1	2	1	1	1	1	2	3	1	1	1	1	1	2	1	1
EVMS20 4/5.5	1	1	2	1	1	1	1	4	1	1	5	1	1	/	1	2	1	1	1	1	2	4	1	1	1	1	1	2	1	1
EVMS20 5/7.5	1	1	3	1	1	1	1	5	1	1	7	1	1	/	1	2	1	1	1	1	2	5	1	1	1	1	1	2	1	1
EVMS20 6/7.5	1	1	4	1	1	1	1	6	1	1	9	1	1	/	1	2	1	1	1	1	2	6	1	1	1	1	1	2	1	1
EVMS20 7/11	1	1	4	2	1	1	1	7	1	1	9	2	2	/	2	2	1	1	2	1	2	7	1	1	1	1	1	2	1	1
EVMS20 8/11	1	1	5	2	1	1	1	8	1	1	11	2	2	/	2	2	1	1	2	1	2	8	1	1	1	1	1	2	1	1
EVMS20 9/11	1	1	6	2	1	1	1	9	1	1	13	2	2	/	2	2	1	1	2	1	2	9	1	1	1	1	1	2	1	1
EVMS20 10/11	1	1	7	2	1	1	1	10	1	1	15	2	2	/	2	2	1	1	2	1	2	10	1	1	1	1	1	2	1	1
EVMS20 11/15	1	1	8	2	1	1	1	11	1	1	17	2	2	/	2	2	1	1	2	1	2	11	1	1	1	1	1	2	1	1
EVMS20 12/15	1	1	9	2	1	1	1	12	1	1	19	2	2	/	2	2	1	1	2	1	2	12	1	1	1	1	1	2	1	1
EVMS20 13/15	1	1	10	2	1	1	1	13	1	1	21	2	2	/	2	2	1	1	2	1	2	13	1	1	1	1	1	2	1	1
EVMS20 14/18.5	1	1	11	2	1	1	1	14	1	1	23	2	2	/	2	2	1	1	2	1	2	14	1	1	1	1	1	2	1	1
EVMS20 15/18.5	1	1	12	2	1	1	1	15	1	1	25	2	2	/	2	2	1	1	2	1	2	15	1	1	1	1	1	2	1	1
EVMS20 16/18.5	1	1	13	2	1	1	1	16	1	1	27	2	2	/	2	2	1	1	2	1	2	16	1	1	1	1	1	2	1	1

Pump Type	120-1	120-3	120-6	120-13	128-1	128-3	128-5	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	160	162	212	212-1	212-2	245	273-1
EVMS20 1/1.5	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS20 2/3.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS20 3/4.0	4	4	4	4	4	4	/	4	4	3	4	1	4	4	1	2	1	1	1	2	1	2
EVMS20 4/5.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 5/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 6/7.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 7/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 8/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 9/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 10/11	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 11/15	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 12/15	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 13/15	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 14/18.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 15/18.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2
EVMS20 16/18.5	4	4	4	4	4	4	4	4	/	3	4	1	4	/	1	2	1	1	1	2	1	2

***  shaft in EN 1.4462 (AISI 329A)

128-6 / 135-6 : with Aluminium coupling

EVMS 1-3-5-10-15-20**TYPE 1****TYPE 2****TYPE 3**

PACKING DATA

50 Hz

EVMS1-3-5

Note: Pumps with motor dimensions refer to Ebara Factory motors (European). Not generally fitted in Australia. Example purpose only.

Pump type	Pumps						Pumps with motor ~1						Pumps with motor ~3						
	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]			
	X	Y	Z			X	Y	Z			X	Y	Z			X	Y	Z	
1	EVMS1 2/0.37	385	400	385	12.3	1	385	400	585	20.2	1	385	400	585	18.9	1			
	EVMS1 3/0.37	385	400	385	12.8	1	385	400	585	20.7	1	385	400	585	19.4	1			
	EVMS1 4/0.37	385	400	385	13.2	1	385	400	770	21.5	1	385	400	770	20.2	1			
	EVMS1 5/0.37	385	400	585	14.2	1	385	400	770	22.0	1	385	400	770	20.7	1			
	EVMS1 6/0.37	385	400	585	14.6	1	385	400	770	22.4	1	385	400	770	21.1	1			
	EVMS1 7/0.37	385	400	585	15.0	1	385	400	770	22.8	1	385	400	770	21.5	1			
	EVMS1 8/0.37	385	400	585	15.5	1	385	400	770	23.3	1	385	400	770	22.0	1			
	EVMS1 9/0.55	385	400	585	15.9	1	385	400	770	25.1	1	385	400	770	22.8	1			
	EVMS1 10/0.55	385	400	585	16.3	1	385	400	770	25.5	1	385	400	770	23.2	1			
	EVMS1 11/0.55	385	400	585	16.8	1	385	400	770	26.0	1	385	400	770	23.7	1			
	EVMS1 12/0.55	385	400	585	17.5	1	385	400	770	26.7	1	385	400	970	24.4	1			
	EVMS1 13/0.55	385	400	585	18.1	1	385	400	970	27.9	1	385	400	970	25.6	1			
	EVMS1 14/0.75	385	400	770	19.3	1	385	400	970	31.5	1	385	400	970	29.6	1			
	EVMS1 16/0.75	385	400	770	20.3	1	385	400	970	32.5	1	385	400	970	30.6	1			
	EVMS1 18/1.1	385	400	770	21.4	1	385	400	970	34.0	1	385	400	970	33.3	1			
	EVMS1 20/1.1	385	400	770	22.4	1	385	400	970	35.0	1	385	400	970	34.3	1			
	EVMS1 22/1.1	385	400	770	23.6	1	385	400	1170	36.8	1	385	400	1170	36.1	1			
	EVMS1 24/1.1	385	400	970	25.0	1	385	400	1170	37.8	1	385	400	1170	37.1	1			
	EVMS1 26/1.1	385	400	970	26.0	1	385	400	1170	38.8	1	385	400	1170	38.1	1			
	EVMS1 27/1.5	385	400	970	26.4	1	400	510	1200	45.2	1	2	385	400	1170	41.4	1		
	EVMS1 29/1.5	385	400	970	27.4	1	500	525	1350	66.1	3	500	525	1350	62.3	3			
	EVMS1 32/1.5	385	400	1170	29.3	1	500	525	1350	67.4	3	500	525	1350	63.6	3			
	EVMS1 34/1.5	385	400	1170	30.2	1	500	525	1350	68.3	3	500	525	1350	64.5	3			
	EVMS1 37/2.2	385	400	1170	31.6	1	500	525	1540	74.1	3	500	525	1540	69.5	3			
	EVMS1 39/2.2	385	400	1170	32.6	1	500	525	1540	75.1	3	500	525	1540	68.9	3			
3	EVMS3 2/0.37	385	400	385	12.4	1	385	400	600	20.3	1	385	400	585	19.0	1			
	EVMS3 3/0.37	385	400	385	12.8	1	385	400	600	20.7	1	385	400	585	19.4	1			
	EVMS3 4/0.37	385	400	385	13.2	1	385	400	770	21.5	1	385	400	770	20.2	1			
	EVMS3 5/0.55	385	400	585	14.2	1	385	400	770	23.4	1	385	400	770	21.1	1			
	EVMS3 6/0.55	385	400	585	14.6	1	385	400	770	23.8	1	385	400	770	21.5	1			
	EVMS3 7/0.75	385	400	585	15.5	1	385	400	770	27.6	1	385	400	770	25.7	1			
	EVMS3 8/0.75	385	400	585	16.0	1	385	400	770	28.1	1	385	400	770	26.2	1			
	EVMS3 9/1.1	385	400	585	16.4	1	385	400	770	28.9	1	385	400	770	28.2	1			
	EVMS3 10/1.1	385	400	585	16.9	1	385	400	770	29.4	1	385	400	770	28.7	1			
	EVMS3 11/1.1	385	400	585	17.3	1	385	400	970	30.4	1	385	400	970	29.8	1			
	EVMS3 12/1.1	385	400	585	18.0	1	385	400	970	31.1	1	385	400	970	30.4	1			
	EVMS3 13/1.5	385	400	770	19.0	1	385	400	970	37.6	1	385	400	970	33.8	1			
	EVMS3 14/1.5	385	400	770	19.4	1	385	400	970	38.0	1	385	400	970	34.2	1			
	EVMS3 15/1.5	385	400	770	19.9	1	385	400	970	38.5	1	385	400	970	34.7	1			
	EVMS3 16/1.5	385	400	770	20.9	1	385	400	970	39.6	1	385	400	970	35.7	1			
	EVMS3 17/2.2	385	400	770	21.4	1	385	400	970	41.7	1	385	400	970	38.2	1			
	EVMS3 19/2.2	385	400	770	22.4	1	385	400	1170	43.3	1	385	400	1170	39.8	1			
	EVMS3 21/2.2	385	400	770	23.3	1	385	400	1170	44.2	1	385	400	1170	40.7	1			
	EVMS3 23/2.2	385	400	970	24.7	1	385	400	1170	45.2	1	385	400	1170	41.7	1			
	EVMS3 24/2.2	385	400	970	25.1	1	385	400	1170	45.6	1	385	400	1170	42.1	1			
	EVMS3 25/3.0	385	400	970	25.7	1	-	-	-	-	-	400	510	1200	49.5	1	2		
	EVMS3 27/3.0	385	400	970	26.7	1	-	-	-	-	-	500	525	1350	70.4	3			
	EVMS3 29/3.0	385	400	970	27.6	1	-	-	-	-	-	500	525	1350	71.3	3			
	EVMS3 31/3.0	385	400	1170	29.2	1	-	-	-	-	-	500	525	1350	72.3	3			
	EVMS3 33/3.0	385	400	1170	30.0	1	-	-	-	-	-	500	525	1350	73.1	3			
5	EVMS5 2/0.37	385	400	385	12.9	1	385	400	600	20.8	1	385	400	585	19.5	1			
	EVMS5 3/0.55	385	400	385	13.4	1	385	400	770	23.1	1	385	400	770	20.8	1			
	EVMS5 4/0.75	385	400	585	14.9	1	385	400	770	27.0	1	385	400	770	25.1	1			
	EVMS5 5/1.1	385	400	585	15.5	1	385	400	770	27.9	1	385	400	770	27.2	1			
	EVMS5 6/1.5	385	400	585	16.1	1	385	400	770	34.6	1	385	400	770	30.8	1			
	EVMS5 7/1.5	385	400	585	16.5	1	385	400	970	35.6	1	385	400	970	31.8	1			
	EVMS5 8/2.2	385	400	585	17.0	1	385	400	970	37.8	1	385	400	970	34.3	1			
	EVMS5 9/2.2	385	400	585	17.6	1	385	400	970	38.4	1	385	400	970	34.9	1			
	EVMS5 10/2.2	385	400	770	18.5	1	385	400	970	38.8	1	385	400	970	35.3	1			
	EVMS5 11/2.2	385	400	770	19.4	1	385	400	970	39.7	1	385	400	970	36.2	1			
	EVMS5 12/3.0	385	400	770	20.6	1	-	-	-	-	-	385	400	970	44.5	1			
	EVMS5 13/3.0	385	400	770	21.2	1	-	-	-	-	-	400	510	1200	45.4	1	2		
	EVMS5 14/3.0	385	400	770	21.7	1	-	-	-	-	-	400	510	1200	45.9	1	2		
	EVMS5 15/3.0	385	400	770	22.8	1	-	-	-	-	-	400	510</						

PACKING DATA

50 Hz

EVMS10-15-20

Note: Pumps with motor dimensions refer to Ebara Factory motors (European). Not generally fitted in Australia. Example purpose only.

Pump type	Pumps						Pumps with motor ~1						Pumps with motor ~3					
	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]			Weight + Packing [kg]	Pack Type	Packing [mm]		
	X	Y	Z			X	Y	Z			X	Y	Z			X	Y	Z
10	EVMS10 2/0.75	385	400	585	19.9	1	385	400	770	32.0	1	385	400	770	30.1	1		
	EVMS10 3/1.5	385	400	585	20.9	1	385	400	770	39.4	1	385	400	770	35.6	1		
	EVMS10 4/2.2	385	400	585	21.7	1	385	400	770	41.9	1	385	400	770	38.4	1		
	EVMS10 5/2.2	385	400	585	22.5	1	385	400	970	43.3	1	385	400	970	39.8	1		
	EVMS10 6/2.2	385	400	585	23.4	1	385	400	970	44.2	1	385	400	970	40.7	1		
	EVMS10 7/3.0	385	400	585	24.3	1	-	-	-	-	-	400	510	1200	48.4	1	2	
	EVMS10 8/3.0	385	400	770	25.7	1	-	-	-	-	-	400	510	1200	49.3	1	2	
	EVMS10 9/4.0	385	400	770	26.5	1	-	-	-	-	-	400	510	1200	63.4	2		
	EVMS10 10/4.0	385	400	770	27.4	1	-	-	-	-	-	400	510	1200	64.2	2		
	EVMS10 11/4.0	385	400	770	29.0	1	-	-	-	-	-	400	510	1200	65.9	2		
	EVMS10 12/5.5	385	400	970	39.2	1	-	-	-	-	-	400	510	1200	87.8	2		
	EVMS10 14/5.5	385	400	970	41.0	1	-	-	-	-	-	500	525	1350	100.5	3		
	EVMS10 15/5.5	385	400	970	41.9	1	-	-	-	-	-	500	525	1350	101.4	3		
15	EVMS10 16/7.5	385	400	970	42.9	1	-	-	-	-	-	500	525	1350	104.2	3		
	EVMS10 18/7.5	400	510	1200	45.3	1	2	-	-	-	-	500	525	1540	108.5	3		
	EVMS10 19/7.5	400	510	1200	46.2	1	2	-	-	-	-	500	525	1540	109.9	3		
	EVMS10 21/7.5	400	510	1200	48.0	1	2	-	-	-	-	500	525	1540	111.4	3		
	EVMS10 22/11	400	510	1200	59.3	2	-	-	-	-	-	610	525	1750	136.1	3		
	EVMS10 23/11	500	525	1350	76.8	3	-	-	-	-	-	610	525	1750	142.0	3		
	EVMS15 1/1.1	385	400	585	21.2	1	385	400	770	33.7	1	385	400	770	33.0	1		
	EVMS15 2/2.2	385	400	585	21.5	1	385	400	770	41.7	1	385	400	770	38.2	1		
	EVMS15 3/3.0	385	400	585	22.8	1	-	-	-	-	-	400	510	1200	46.9	1	2	
	EVMS15 4/4.0	385	400	585	24.0	1	-	-	-	-	-	400	510	1200	60.2	2		
	EVMS15 5/5.5	385	400	770	34.2	1	-	-	-	-	-	400	510	1200	83.2	2		
	EVMS15 6/5.5	385	400	770	35.4	1	-	-	-	-	-	400	510	1200	84.4	2		
	EVMS15 7/7.5	385	400	770	37.6	1	-	-	-	-	-	400	510	1200	88.4	2		
	EVMS15 8/7.5	385	400	970	39.4	1	-	-	-	-	-	400	510	1200	89.7	2		
20	EVMS15 9/11	400	510	1200	45.4	1	2	-	-	-	-	500	525	1350	125.2	3		
	EVMS15 10/11	400	510	1200	47.7	1	2	-	-	-	-	500	525	1540	127.8	3		
	EVMS15 11/11	400	510	1200	49.9	1	2	-	-	-	-	500	525	1540	135.3	3		
	EVMS15 12/11	400	510	1200	60.8	2	-	-	-	-	-	500	525	1540	137.3	3		
	EVMS15 13/11	400	510	1200	62.1	2	-	-	-	-	-	500	525	1540	138.6	3		
	EVMS15 15/15	400	510	1200	64.7	2	-	-	-	-	-	610	525	1750	167.6	3		
	EVMS15 17/15	500	525	1350	78.9	3	-	-	-	-	-	610	525	1750	170.5	3		
	EVMS20 1/1.5	385	400	585	21.4	1	385	400	770	39.7	1	385	400	770	39.0	1		
	EVMS20 2/3.0	385	400	585	22.0	1	-	-	-	-	-	385	400	770	45.0	1		
	EVMS20 3/4.0	385	400	585	22.9	1	-	-	-	-	-	400	510	1200	50.0	1	2	
	EVMS20 4/5.5	385	400	770	29.3	1	-	-	-	-	-	400	510	1200	78.3	2		
	EVMS20 5/7.5	385	400	770	30.6	1	-	-	-	-	-	400	510	1200	81.4	2		
	EVMS20 6/7.5	385	400	770	31.8	1	-	-	-	-	-	400	510	1200	82.6	2		
	EVMS20 7/11	385	400	970	40.0	1	-	-	-	-	-	500	525	1350	119.3	3		
	EVMS20 8/11	400	510	1200	46.3	1	2	-	-	-	-	500	525	1350	129.7	3		
	EVMS20 9/11	400	510	1200	47.6	1	2	-	-	-	-	500	525	1350	131.0	3		
	EVMS20 10/11	400	510	1200	49.0	1	2	-	-	-	-	500	525	1540	134.9	3		
	EVMS20 11/15	400	510	1200	50.0	1	2	-	-	-	-	500	525	1540	162.8	3		
	EVMS20 12/15	400	510	1200	61.2	2	-	-	-	-	-	500	525	1540	164.1	3		
	EVMS20 13/15	400	510	1200	62.5	2	-	-	-	-	-	500	525	1540	165.4	3		
	EVMS20 14/18.5	400	510	1200	63.9	2	-	-	-	-	-	610	525	1750	181.9	3		
	EVMS20 15/18.5	400	510	1200	65.2	2	-	-	-	-	-	610	525	1750	183.2	3		
	EVMS20 16/18.5	400	510	1200	66.5	2	-	-	-	-	-	610	525	1750	184.5	3		

Standard motors fitted are 3 Phase
 WEG W21 motors, E2, IP55, Class F :-
 - Aluminium motors 0.37 to 7.5 kW
 - Cast Iron motors 11 & 15 kW

Motor kW	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11.0	15.0	18.5
Frame Size	71	71	80	80	90S	90L	100L	112M	132S	132S	160M	160M	160L
FLC #	0.875	1.22	1.58	2.40	3.01	4.39	5.77	7.45	10.2	13.9	20.2	27.1	33.7
Mount	Vertical Face Mount - B14A (V18)							Vertical Flange Mount - B5 (V1)					

* FLC = Motor full load current (A) @ 400 V (W21 motors)

TYPICAL NOISE DATA

Coupling Flange Size (MEC)	Power		Noise LpA - dB(A) *
	[kW]	[HP]	
71	0.37	0.5	<70
	0.55	0.75	
80	0.75	1	<70
	1.1	1.5	
90 S	1.5	2	<70
90 L	2.2	3	
100 L	3.0	4	<70
112 M	4.0	5.5	<70
132 S	5.5	7.5	72
	7.5	10	
160 M	11	15	74
	15	20	
160 L	18.5	25	