



# CENNIK

2018



## Pompy bezsprzęgłowe EM

# EM SERIES

# EM 3-5-9

## TABLE OF HYDRAULIC PERFORMANCE AT 50 HZ

Pump model	Q = DELIVERY																
	l/min Q	25	33	42	50	58	67	75	83	92	100	117	133	150	167	183	233
	m <sup>3</sup> /h Q	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	9	10	11	14
	US GMP Q	6.6	8.8	11.0	13.2	15.4	17.6	19.8	22.0	24.2	26.4	30.8	35.2	39.6	44.0	48.4	61.6
H = TOTAL HEAD METERS COLUMN OF WATER [m]																	
EM 3/2	22.5	20.5	19.0	17.5	16.0	14.0	12.0	10.0									
EM 3/3	33.5	30.0	28.0	26.0	23.0	20.5	17.5	14.0									
EM 3/4	44.0	39.0	36.5	33.5	30.0	26.0	22.0	18.0									
EM 3/5	54.5	48.0	44.5	40.5	36.0	31.5	26.5	21.0									
EM 3/6	66.5	59.0	55.0	50.5	45.5	40.0	34.0	27.0									
EM 3/7	77.0	68.0	63.5	58.0	52.0	45.5	38.5	30.5									
EM 3/8	89.0	78.5	73.0	67.0	60.0	53.0	44.5	36.0									
EM 3/9	99.5	87.5	81.0	74.0	66.0	58.0	48.5	38.5									
EM 3/2T	22.5	20.5	19.0	17.5	16.0	14.0	12.0	10.0									
EM 3/3T	33.5	30.0	28.0	26.0	23.0	20.5	17.5	14.0									
EM 3/4T	44.0	39.0	36.5	33.5	30.0	26.0	22.0	18.0									
EM 3/5T	54.5	48.0	44.5	40.5	36.0	31.5	26.5	21.0									
EM 3/6T	66.0	58.0	54.0	49.5	44.5	39.0	33.0	26.0									
EM 3/7T	76.5	67.0	62.0	57.0	51.0	44.0	37.0	29.5									
EM 3/8T	89.0	78.5	73.0	67.0	60.0	53.0	44.5	36.0									
EM 3/9T	99.5	88.0	82.0	75.5	68.0	59.5	50.5	40.5									
EM 5/2	23.0		21.5	21.0	20.5	19.5	19.0	18.0	17.0	16.0	15.0	12.0					
EM 5/3	34.0		31.5	30.5	29.5	28.5	27.0	26.0	24.5	23.0	21.0	16.0					
EM 5/4	45.5		42.5	41.5	40.0	39.0	37.0	35.5	33.5	31.5	29.0	22.5					
EM 5/5	56.5		52.5	51.0	49.0	47.5	45.5	43.0	41.0	38.0	35.0	26.7					
EM 5/6	68.5		63.0	61.5	59.5	57.5	55.0	52.0	49.0	46.0	42.0	32.5					
EM 5/7	79.5		73.0	70.5	68.0	65.5	62.5	59.0	55.5	51.5	47.0	35.5					
EM 5/8	92.0		86.0	84.0	81.5	79.0	76.0	72.5	69.0	64.5	60.0	47.0					
EM 5/9	103.0		96.0	94.0	91.0	88.0	85.0	81.0	76.5	72.0	66.0	52.0					
EM5/2T	23.0		21.5	21.0	20.5	19.5	19.0	18.0	17.0	16.0	15.0	12.0					
EM5/3T	34.0		31.5	30.5	29.5	28.5	27.0	26.0	24.5	23.0	21.0	16.0					
EM5/4T	45.5		42.5	41.5	40.0	39.0	37.0	35.5	33.5	31.5	29.0	22.5					
EM5/5T	56.5		52.0	50.0	48.5	46.5	44.5	42.0	40.0	37.0	34.0	26.0					
EM5/6T	68.5		63.5	62.0	60.0	58.0	55.5	53.0	50.0	47.0	43.0	33.5					
EM5/7T	79.5		73.0	71.0	69.0	66.5	63.5	60.5	57.0	53.5	49.0	38.0					
EM5/8T	92.0		86.0	84.0	81.5	79.0	76.0	72.5	69.0	64.5	60.0	47.0					
EM5/9T	103.0		96.0	94.0	91.0	88.0	85.0	81.0	76.5	72.0	66.0	52.0					
EM 9/2	23.5				22.5	22.0	21.5	21.0	21.5	20.5	20.0	19.0	18.5	17.0	16.0	14.0	6.5
EM 9/3	35.5				33.5	33.0	32.5	32.0	31.5	31.0	30.0	29.0	28.0	26.0	24.0	21.0	10.5
EM 9/4	47.0				44.5	44.0	43.5	42.5	42.0	41.5	40.5	39.0	37.5	35.5	32.5	29.0	14.5
EM 9/5	59.5				57.0	56.5	56.0	55.0	54.0	53.5	52.5	51.0	49.0	46.5	43.0	39.0	21.0
EM 9/6	71.0				67.5	67.0	66.0	65.0	64.0	63.0	62.0	60.0	57.5	54.5	50.0	44.5	23.5
EM 9/7	82.5				78.0	77.0	76.0	75.0	73.5	72.5	71.5	68.5	65.5	62.0	57.0	50.0	25.0
EM9/2T	23.5				22.5	22.0	21.5	21.0	21.5	20.5	20.0	19.0	18.5	17.0	16.0	14.0	6.5
EM9/3T	35.5				33.5	33.0	32.5	32.0	31.5	31.0	30.0	29.0	28.0	26.0	24.0	21.0	10.5
EM9/4T	47.0				44.5	44.0	43.5	42.5	42.0	41.5	40.5	39.0	37.5	35.5	32.5	29.0	14.5
EM9/5T	59.5				57.0	56.5	56.0	55.0	54.0	53.5	52.5	51.0	49.0	46.5	43.0	39.0	21.0
EM9/6T	71.0				67.5	67.0	66.0	65.0	64.0	63.0	62.0	60.0	57.5	54.5	50.0	44.5	23.5
EM9/7T	83.5				79.5	79.0	78.0	77.0	76.0	75.0	74.0	71.5	69.0	65.5	61.0	54.5	30.0
EM9/8T	95.0				90.5	90.0	89.0	87.5	86.0	85.0	84.0	81.0	78.0	74.0	68.5	61.5	33.0



# EM 3-5-9

## PRODUCT DESCRIPTION

Vertical close-couple multistage pumps, with impellers and diffusers made of stainless steel AISI 304. Pump body is made of cast iron.

TECHNICAL DATA	
Power range:	0.33 kW ÷ 3 kW
Frequency:	50 Hz
Flow:	up to 14 m <sup>3</sup> /h
Head:	up to 103 m
Maximum working pressure:	12 bar (PN12)
Liquid temperature:	- 15 °C; + 110 °C
Protection degree:	IP55
Insulation class:	F
MATERIALS	
Pump body:	Cast-iron
Impellers:	Stainless steel AISI 304
Pump body:	Carbon / Ceramic / EPDM
Elastomers:	EPDM



## SINGLE-PHASE VERSION

Model	D Version		T Version		R Version		IEC	Power		Performance		Weight [Kg]
	Code	Price	Code	Price	Code	Price		[kW]	[HP]	Q [m <sup>3</sup> /h]	H [m]	
EM 3/2	10031010	€ 380,07	10031011	€ 380,07	10031012	€ 391,40	71	0.33	0.45	1.5 ÷ 4.5	21 ÷ 10	19.4
EM 3/3	10031020	€ 400,67	10031021	€ 400,67	10031022	€ 413,03	71	0.45	0.6		30 ÷ 14	20.1
EM 3/4	10031030	€ 443,93	10031031	€ 443,93	10031032	€ 457,32	71	0.55	0.75		39 ÷ 18	20.7
EM 3/5	10031040	€ 456,29	10031041	€ 456,29	10031042	€ 469,68	71	0.75	1		48 ÷ 21	21.4
EM 3/6	10031050	€ 500,58	10031051	€ 500,58	10031052	€ 516,03	71	0.9	1.1		59 ÷ 27	22.5
EM 3/7	10031060	€ 526,33	10031061	€ 526,33	10031062	€ 541,78	71	1.1	1.5		68 ÷ 31	23.1
EM 3/8	10031070	€ 596,37	10031071	€ 596,37	10031072	€ 613,88	80	1.3	1.8		79 ÷ 36	27.2
EM 3/9	10031080	€ 630,36	10031081	€ 630,36	10031082	€ 648,90	80	1.5	2		88 ÷ 39	27.8
EM 5/2	10051013	€ 406,85	10051014	€ 406,85	10051015	€ 419,21	71	0.45	0.6		2.0 ÷ 7.0	22 ÷ 12
EM 5/3	10051023	€ 432,60	10051024	€ 432,60	10051025	€ 445,99	71	0.55	0.75	32 ÷ 16		20.1
EM 5/4	10051033	€ 455,26	10051034	€ 455,26	10051035	€ 468,65	71	0.9	1.2	43 ÷ 23		21.2
EM 5/5	10051043	€ 476,89	10051044	€ 476,89	10051045	€ 491,31	71	1.1	1.5	53 ÷ 27		21.9
EM 5/6	10051053	€ 602,55	10051054	€ 602,55	10051055	€ 621,09	80	1.3	1.8	63 ÷ 33		25.9
EM 5/7	10051063	€ 606,67	10051064	€ 606,67	10051065	€ 625,21	80	1.5	2	73 ÷ 36		26.6
EM 5/8	10051073	€ 674,65	10051074	€ 674,65	10051075	€ 695,25	90	1.85	2.5	86 ÷ 47		32.6
EM 5/9	10051083	€ 739,54	10051084	€ 739,54	10051085	€ 762,20	90	2.2	3	96 ÷ 52		33.2
EM 9/2	10091016	€ 608,73	€ 600,00	€ 608,73	10091018	€ 627,27	71	0.75	1	3.0 ÷ 14.0		23 ÷ 7
EM 9/3	10091026	€ 668,47	€ 660,00	€ 668,47	10091028	€ 688,04	71	1.1	1.5		34 ÷ 11	24.3
EM 9/4	10091036	€ 706,58	€ 705,00	€ 706,58	10091038	€ 728,21	80	1.5	2		45 ÷ 15	28.5
EM 9/5	10091046	€ 721,00	€ 730,00	€ 721,00	10091048	€ 742,63	90	2.2	3		57 ÷ 21	34.6
EM 9/6	10091056	€ 757,05	€ 747,00	€ 757,05	10091058	€ 779,71	90	2.2	3		68 ÷ 24	35.4
EM 9/7	10091066	€ 972,32	€ 959,00	€ 972,32	10091068	€ 1.001,16	90	2.2	3		78 ÷ 25	39.4

### Versions

D	In-line threaded
T	In-line oval flange
R	Second threaded delivery port puts on top



## EM 3-5-9

## THREE-PHASE VERSION

Model	D Version		T Version		R Version		IEC	Power		Performance		Weight [Kg]
	Code	Price	Code	Price	Code	Price		[kW]	[HP]	Q [m³/h]	H [m]	
EM 3/2T	10031510H	€ 380,07	10031511H	€ 380,07	10031512H	€ 391,40	71	0.75	1	1.5 ÷ 4.5	21 ÷ 10	19.3
EM 3/3T	10031520H	€ 400,67	10031521H	€ 400,67	10031522H	€ 413,03	71	0.75	1		30 ÷ 14	19.9
EM 3/4T	10031530H	€ 443,93	10031531H	€ 443,93	10031532H	€ 457,32	71	0.75	1.5		39 ÷ 18	20.6
EM 3/5T	10031540H	€ 456,29	10031541H	€ 456,29	10031542H	€ 469,68	71	0.75	1.5		48 ÷ 21	21.2
EM 3/6T	10031550H	€ 500,58	10031551H	€ 500,58	10031552H	€ 516,03	71	1.1	2		58 ÷ 26	22.4
EM 3/7T	10031560H	€ 526,33	10031561H	€ 526,33	10031562H	€ 541,78	71	1.1	2		68 ÷ 30	23
EM 3/8T	10031570H	€ 596,37	10031571H	€ 596,37	10031572H	€ 613,88	80	1.5	3		79 ÷ 36	27
EM 3/9T	10031580H	€ 630,36	10031581H	€ 630,36	10031582H	€ 648,90	80	1.5	3		88 ÷ 41	27.7
EM5/2T	10051513H	€ 406,85	10051514H	€ 406,85	10051515H	€ 419,21	71	0.75	1		2.0 ÷ 7.0	22 ÷ 12
EM5/3T	10051523H	€ 432,60	10051524H	€ 432,60	10051525H	€ 445,99	71	0.75	1	32 ÷ 16		19.9
EM5/4T	10051533H	€ 455,26	10051534H	€ 455,26	10051535H	€ 468,65	71	1.1	1.5	43 ÷ 23		21.1
EM5/5T	10051543H	€ 476,89	10051544H	€ 476,89	10051545H	€ 491,31	71	1.1	1.5	52 ÷ 26		21.7
EM5/6T	10051553H	€ 602,55	10051554H	€ 602,55	10051555H	€ 621,09	80	1.5	2	64 ÷ 34		25.8
EM5/7T	10051563H	€ 606,67	10051564H	€ 606,67	10051565H	€ 625,21	80	1.5	2	73 ÷ 38		26.4
EM5/8T	10051573H	€ 674,65	10051574H	€ 674,65	10051575H	€ 695,25	90	2.2	3	86 ÷ 47		32.5
EM5/9T	10051583H	€ 739,54	10051584H	€ 739,54	10051585H	€ 762,20	90	2.2	3	96 ÷ 52		33.1
EM9/2T	10091516H	€ 608,73	10091517H	€ 608,73	10091518H	€ 627,27	71	0.75	1	3.0 ÷ 14.0		23 ÷ 7
EM9/3T	10091526H	€ 668,47	10091527H	€ 668,47	10091528H	€ 688,04	71	1.1	1.5		34 ÷ 11	24.1
EM9/4T	10091536H	€ 706,58	10091537H	€ 706,58	10091538H	€ 728,21	80	1.5	2		45 ÷ 15	28.3
EM9/5T	10091546H	€ 721,00	10091547H	€ 721,00	10091548H	€ 742,63	90	2.2	3		57 ÷ 21	34.5
EM9/6T	10091556H	€ 757,05	10091557H	€ 757,05	10091558H	€ 779,71	90	2.2	3		68 ÷ 24	35.3
EM9/7T	10091566H	€ 972,32	10091567H	€ 972,32	10091568H	€ 1.001,16	90	3	4		80 ÷ 30	39.2
EM9/8T	10091576H	€ 1.115,49	10091577H	€ 1.115,49	10091578H	€ 1.148,45	90	3	4		91 ÷ 33	40

## Versions

D	In-line threaded
T	In-line oval flange
R	Second threaded delivery port puts on top