

3M(4) SERIES



Centrifugal pumps in AISI 304 with standardized motor (EN 733)

Standardized centrifugal pumps with AISI 304 (EN 1.4301) stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available for 3ME version



Available in
AISI 316



Sturdy
construction



Volute
obtained with
hydro-forming
process



High
performances



Technical data

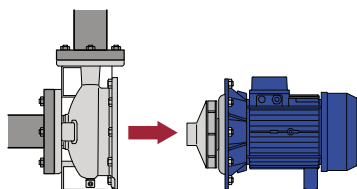
Max. working pressure	10 bar
Max. temperature of the liquid (clear water)	-10°C ÷ +90°C for std version -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Single phase 1~230V ±10% Three phase 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

Materials

Pump body	AISI 304 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 304 (EN 1.4301) stainless steel
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
Motor support	Aluminium - cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Accessories



Counterflanges kit

Page 447 - **Galvanized, AISI 304 and AISI 316 counterflanges kit**



Control systems

Page 426 - **E-SPD**
Variable speed control systems
Page 428 - **E-drive**
Variable speed control systems
Page 424 - **Control panels**
SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

Options



Mechanical seal

Page 458 - **See all the available mechanical seal versions**

3M SERIES

Centrifugal pumps in AISI 304 with standardized motor



3M(4) SERIES

Single phase 230V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
3M 32-125/1,1 M	1300200000	1,5	1,1	6,7	50	32	19,6
3M 32-160/1,5 M	1300202400	2	1,5	9,6	50	32	22,5
3M 32-160/2,2 M	1300300000	3	2,2	13,3	50	32	27,7
3M 40-125/1,5 M	1320370000	2	1,5	9,6	65	40	20,1
3M 40-125/2,2 M	1320270000	3	2,2	13,3	65	40	25,8
3M 50-125/2,2 M	1330500000	3	2,2	13,3	65	50	29,4

Pumps supplied without counterflanges, see counterflanges kit on page 447
Pumps available in AISI 316, see page 78

Three phase 230/400/690V									2 Poles
Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3M/I 32-125/1,1	1300200004I	1,5	1,1	5,8	3,3	-	50	32	24,1
3M/I 32-160/1,5	1300202404I	2	1,5	5,8	3,3	-	50	32	27,0
3M/I 32-160/2,2	1300300004I	3	2,2	8,2	4,7	-	50	32	28,0
3M/I 32-200/3,0	1310402404I	4	3	11,1	6,4	-	50	32	35,1
3M/I 32-200/4,0	1310550004I	5,5	4	15,1	8,7	-	50	32	38,2
3M/I 32-200/5,5	1310750006I	7,5	5,5	-	10,6	6,1	50	32	52,2
3M/I 32-200/7,5	1310900004I	10	7,5	-	13,6	7,9	50	32	60,1
3M/I 40-125/1,5	1320370004I	2	1,5	5,8	3,3	-	65	40	24,6
3M/I 40-125/2,2	1320270004I	3	2,2	8,2	4,7	-	65	40	26,1
3M/I 40-160/3,0	1320402404I	4	3	11,1	6,4	-	65	40	26,6
3M/I 40-160/4,0	1320550004I	5,5	4	15,1	8,7	-	65	40	40,8
3M/I 40-200/5,5	1330752404I	7,5	5,5	-	10,6	6,1	65	40	52,5
3M/I 40-200/7,5	1330900004I	10	7,5	-	13,6	7,9	65	40	59,3
3M/I 40-200/11	1330910006I	15	11	-	21,3	12,3	65	40	69,6
3M/I 50-125/2,2	1330500004I	3	2,2	8,2	4,7	-	65	50	32,0
3M/I 50-125/3,0	1330550004I	4	3	11,1	6,4	-	65	50	30,9
3M/I 50-125/4,0	1330400004I	5,5	4	15,1	8,7	-	65	50	40,9
3M/I 50-160/5,5	1330900006I	7,5	5,5	-	10,6	6,1	65	50	46,5
3M/I 50-160/7,5	1330890006I	10	7,5	-	13,6	7,9	65	50	58,6
3M/I 50-200/9,2	1330970006I	12,5	9,2	-	17,2	10	65	50	63,9
3M/I 50-200/11	1330960006I	15	11	-	21,3	12,3	65	50	69,6
3M/I 50-200/15	1330980006I	20	15	-	30,0	17,3	65	50	105,1
3M/I 65-125/4,0	1344120004I	5,5	4	15,1	8,7	-	80	65	37,7
3M/I 65-125/5,5	1344130004I	7,5	5,5	-	10,6	6,1	80	65	48,7
3M/I 65-125/7,5	1344140004I	10	7,5	-	13,6	7,9	80	65	52,1
3M/I 65-160/7,5	1345140004I	10	7,5	-	13,6	7,9	80	65	55,3
3M/I 65-160/9,2	1345150004I	12,5	9,2	-	17,2	10	80	65	61,0
3M/I 65-160/11	1345160004I	15	11	-	21,3	12,3	80	65	67,4
3M/I 65-160/15	1345170004I	20	15	-	27,7	17,3	80	65	107,1
3M/I 65-200/15	1346170004I	20	15	-	27,7	17,3	80	65	110,1
3M/I 65-200/18,5	1346180004I	25	18,5	-	35	20,3	80	65	125,3
3M/I 65-200/22	1346190004I	30	22	-	39,7	23,6	80	65	136,1

Pumps supplied without counterflanges, see counterflanges kit on page 447
"SCA" version with drain plug available with a 5% increase on the price list.
Pumps available in AISI 316, see page 78

3M4 SERIES

Centrifugal pumps in AISI 304 with standardized motor (4 poles)



Three phase 230/400V							4 Poles	
Model	Code	HP	kW	Abs. Curr. [A]		DNA	DNM	Weight [kg]
				230V	400V			
3M4 32-125/0,25	1270010004	0,33	0,25	1,9	1,1	50	32	15,0
3M4 32-160/0,37R	1279020004	0,5	0,37	2,6	1,5	50	32	19,7
3M4 32-160/0,37	1270020004	0,5	0,37	2,6	1,5	50	32	19,9
3M4 32-200/0,55R	1279030004	0,75	0,55	2,6	1,5	50	32	24,5
3M4 32-200/0,55	1270030004	0,75	0,55	2,6	1,5	50	32	24,5
3M4/I 32-200/0,75	1270050004I	1	0,75	4,6	2,7	50	32	28,1
3M4 40-125/0,37R	1289020004	0,5	0,37	1,9	1,1	65	40	15,6
3M4 40-125/0,37	1280020004	0,5	0,37	1,9	1,1	65	40	15,7
3M4 40-160/0,55R	1289030004	0,75	0,55	2,6	1,5	65	40	20,2
3M4 40-160/0,55	1280030004	0,75	0,55	2,6	1,5	65	40	20,6
3M4/I 40-200/1,1R	1289070004I	1,5	1,1	4,6	2,7	65	40	28,5
3M4/I 40-200/1,1	1280070004I	1,5	1,1	4,6	2,7	65	40	28,6
3M4/I 40-200/1,5	1280080004I	2	1,5	6,2	3,6	65	40	30,3
3M4 50-125/0,55R	1299030004	0,75	0,55	2,6	1,5	65	50	20,4
3M4 50-125/0,55	1290030004	0,75	0,55	2,6	1,5	65	50	20,5
3M4/I 50-160/1,1R	1299070004I	1,5	1,1	4,6	2,7	65	50	28,6
3M4/I 50-160/1,1	1290070004I	1,5	1,1	4,6	2,7	65	50	28,7
3M4/I 50-200/1,5R	1299080004I	2	1,5	6,2	3,6	65	50	30,5
3M4/I 50-200/1,5	1290080004I	2	1,5	6,2	3,6	65	50	31,6
3M4/I 50-200/2,2	1290100004I	3	2,2	7,8	4,5	65	50	30,0
3M4 65-125/0,55	1344030004	0,75	0,55	2,6	1,5	80	65	21,9
3M4/I 65-125/0,75	1344040004I	1	0,75	4,6	2,7	80	65	20,0
3M4/I 65-125/1,1	1344070004I	1,5	1,1	4,6	2,7	80	65	20,0
3M4/I 65-160/1,1	1345070004I	1,5	1,1	4,6	2,7	80	65	28,5
3M4/I 65-160/1,5	1345080004I	2	1,5	6,2	3,6	80	65	30,0
3M4/I 65-160/2,2	1345100004I	3	2,2	7,8	4,5	80	65	32,0
3M4/I 65-200/2,2 R	1346100104I	3	2,2	7,8	4,5	80	65	30,0
3M4/I 65-200/2,2	1346100004I	3	2,2	7,8	4,5	80	65	30,0
3M4/I 65-200/3,0	1346110004I	4	3	11,8	6,8	80	65	38,0

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 Pumps available in AISI 316, see page 78