

MSP 4

4" monoblock submerged pumps

RANGE OF PERFORMANCE

Flow rate up to 150 l/min (9 m³/h)

Head up to 135 m

LIMITS OF USE

Liquid temperature up to +30°C

Maximum sand content 150 g/m³

Submersion depth up to 40 m

INSTALLATION AND USE

THEY ARE RECOMMENDED FOR PUMPING CLEAN WATER WITH A SAND CONTENT OF UP TO 150 g/m³. DUE TO THEIR HIGH EFFICIENCY AND RELIABILITY, THEY ARE RECOMMENDED FOR DOMESTIC WATER SUPPLIES AS PART OF A PRESSURE SET, OR FOR IRRIGATION.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304 with threaded port ISO 228-1.
- **CASE:** stainless steel AISI 304.
- **IMPELLERS AND DIFFUSERS:** technopolymer.
- **DIFFUSER HOUSING:** stainless steel AISI 304.
- **PUMP SHAFT:** stainless steel AISI 304.
- **PUMP BEARINGS:** housing in special technopolymer with stainless steel AISI 316 shaft bushes, chrome oxide coated to resist sand.
- **DRIVE COUPLING:** stainless steel AISI 316L.

• **SCREWS AND CABLE COVER:** stainless steel AISI 304.

• **MOTOR SHAFT:** stainless steel AISI 316 (EN 10088-3 - 1.4104 up to 0.75 kW).

• **MOTOR:** submerged for continuous duty (dry rewindable).

MSP 4 M: single-phase 220÷240 V - 50 Hz.

MSP 4: three-phase 380÷415 V - 50 Hz.

• **INSULATION:** class F.

• **PROTECTION:** IP 68.

• **DOUBLE SEAL:**

mechanical seal **ceramic - graphite - NBR** with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.

STANDARD FEATURES:

MSP 4 M (single-phase)

• Motor thermal protection built into the winding.

• Internal capacitor.

• 20 metres flat power cable.

MSP 4 (three-phase)

• 20 metres flat power cable.

OPTIONS ON REQUEST

⇒ 30 metres power cable

⇒ other voltages or frequency 60 Hz

CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1

EN 60034-1

IEC 335-1

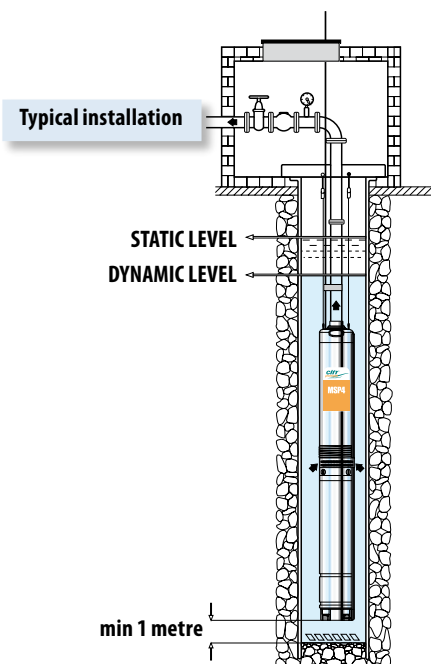
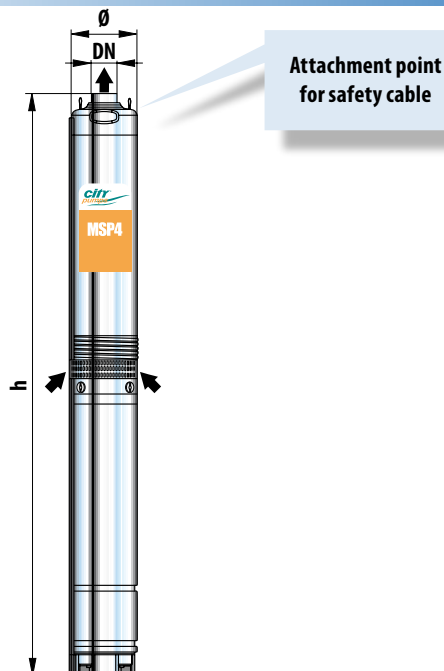
IEC 34-1

CEI 61-150

CEI 2-3



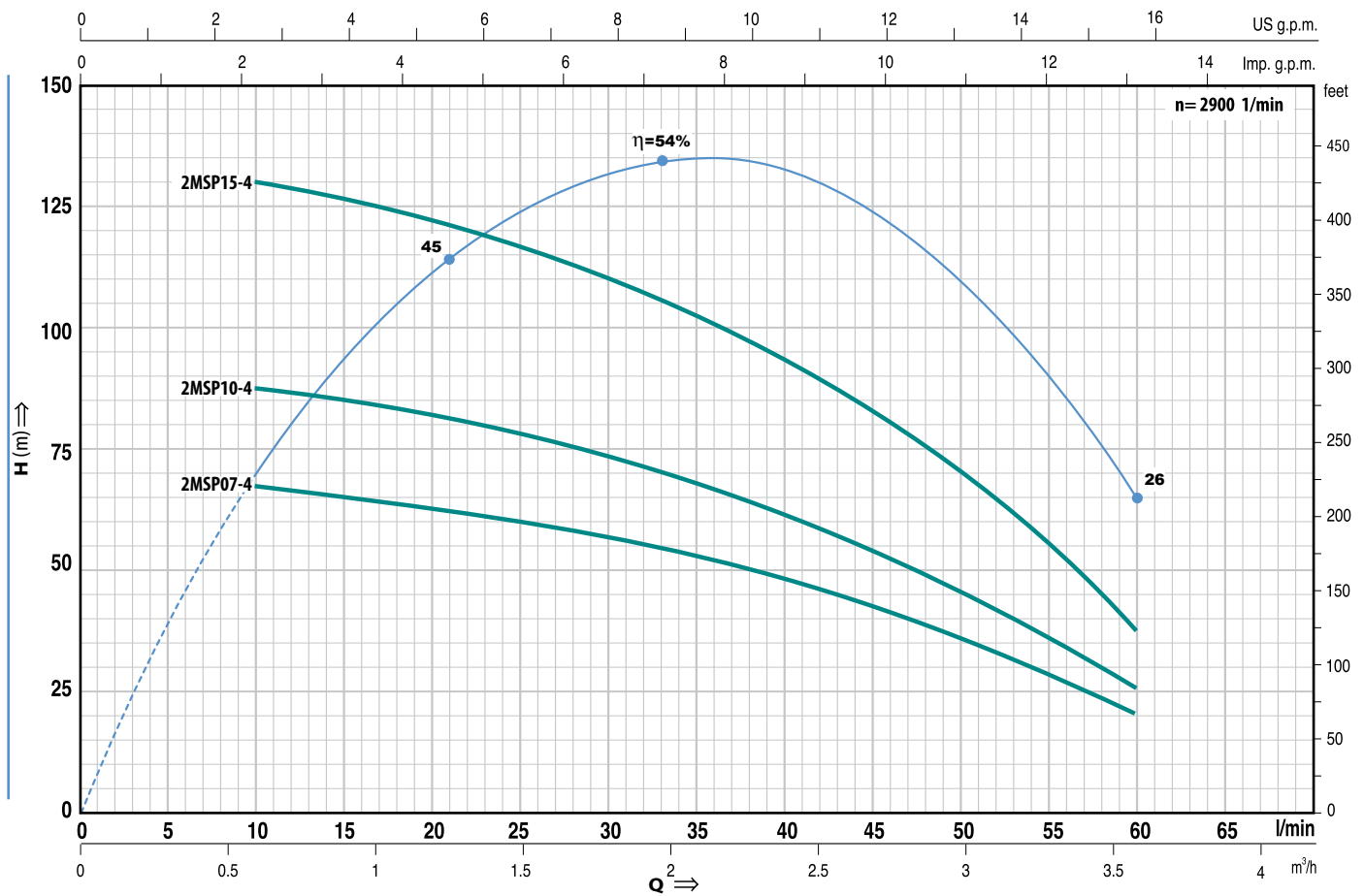
DIMENSIONS





2MSP 4

4" monoblock submerged pumps



Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

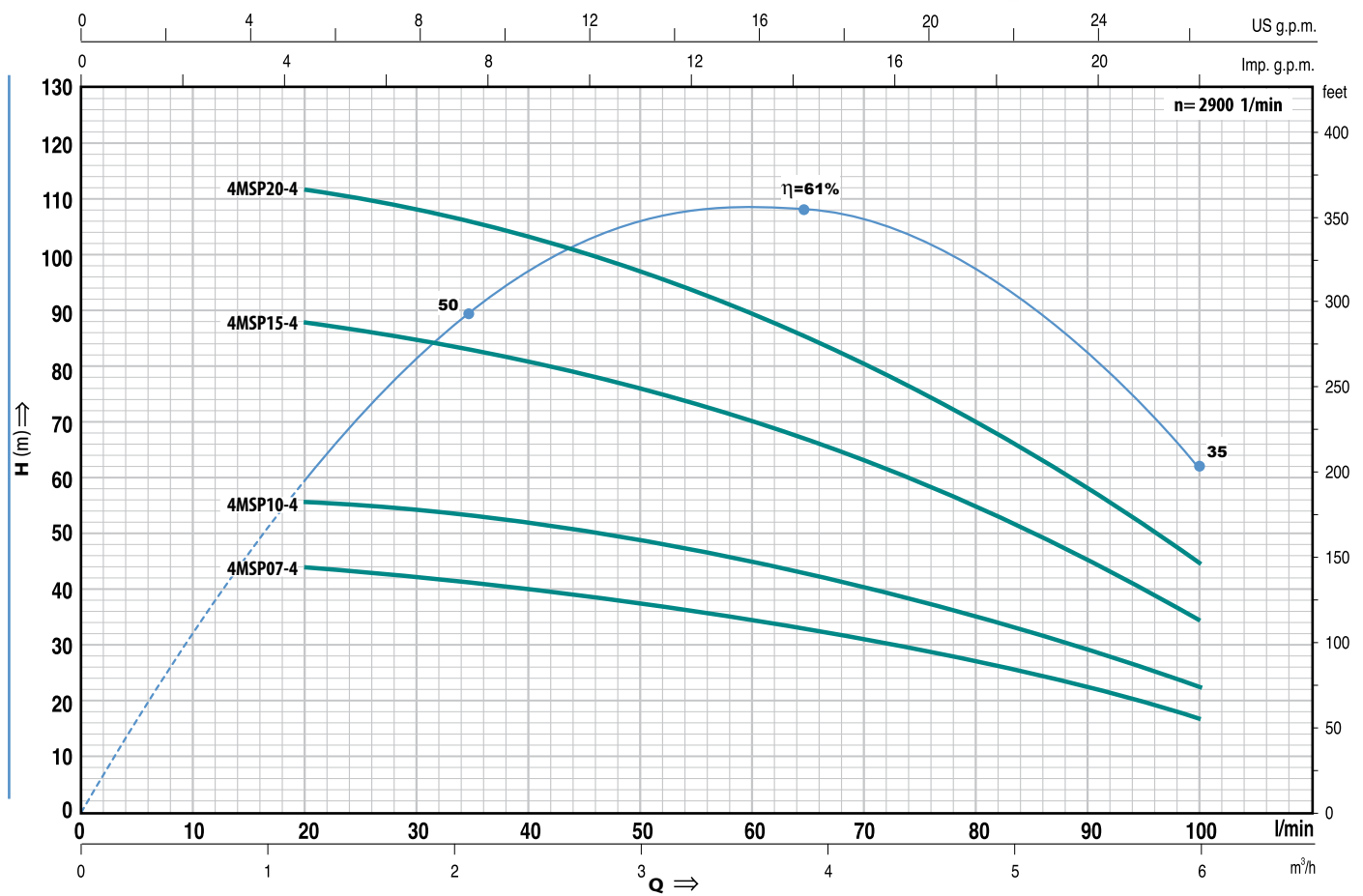
TYPE		POWER		m ³ /h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6
Single-phase	Three-phase	kW	HP		0	10	20	30	40	50	60
2MSP07-4M	2MSP07-4	0.55	0.75	H metres	70	68	63	57	48	36	20
2MSP10-4M	2MSP10-4	0.75	1		90	88	82	74	62	46	26
2MSP15-4M	2MSP15-4	1.1	1.5		135	130	122	111	93	71	39

DIMENSIONS AND WEIGHT

TYPE		PORTS DN	N° stages	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
2MSP07-4M	2MSP07-4	1 1/4"	10	99,5	693/668	10.2	9.0
2MSP10-4M	2MSP10-4		13		774/749	11.7	10.6
2MSP15-4M	2MSP15-4		20		987/927	14.9	12.5

4MSP 4

4" monoblock submerged pumps



Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

TYPE		POWER		m³/h l/min	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
Single-phase	Three-phase	kW	HP		0	20	30	40	50	60	70	80	90	100
4MSP07-4M	4MSP07-4	0.55	0.75	H metres	46	44	42	40	38	35	31.5	27	23	17
4MSP10-4M	4MSP10-4	0.75	1		60	56	54.5	52	49	45	40.5	35	29	23
4MSP15-4M	4MSP15-4	1.1	1.5		92	88	85	81	76	70	63	54.5	45	35
-----	4MSP20-4	1.5	2		120	112	109	104	98	90	81	70	58	45

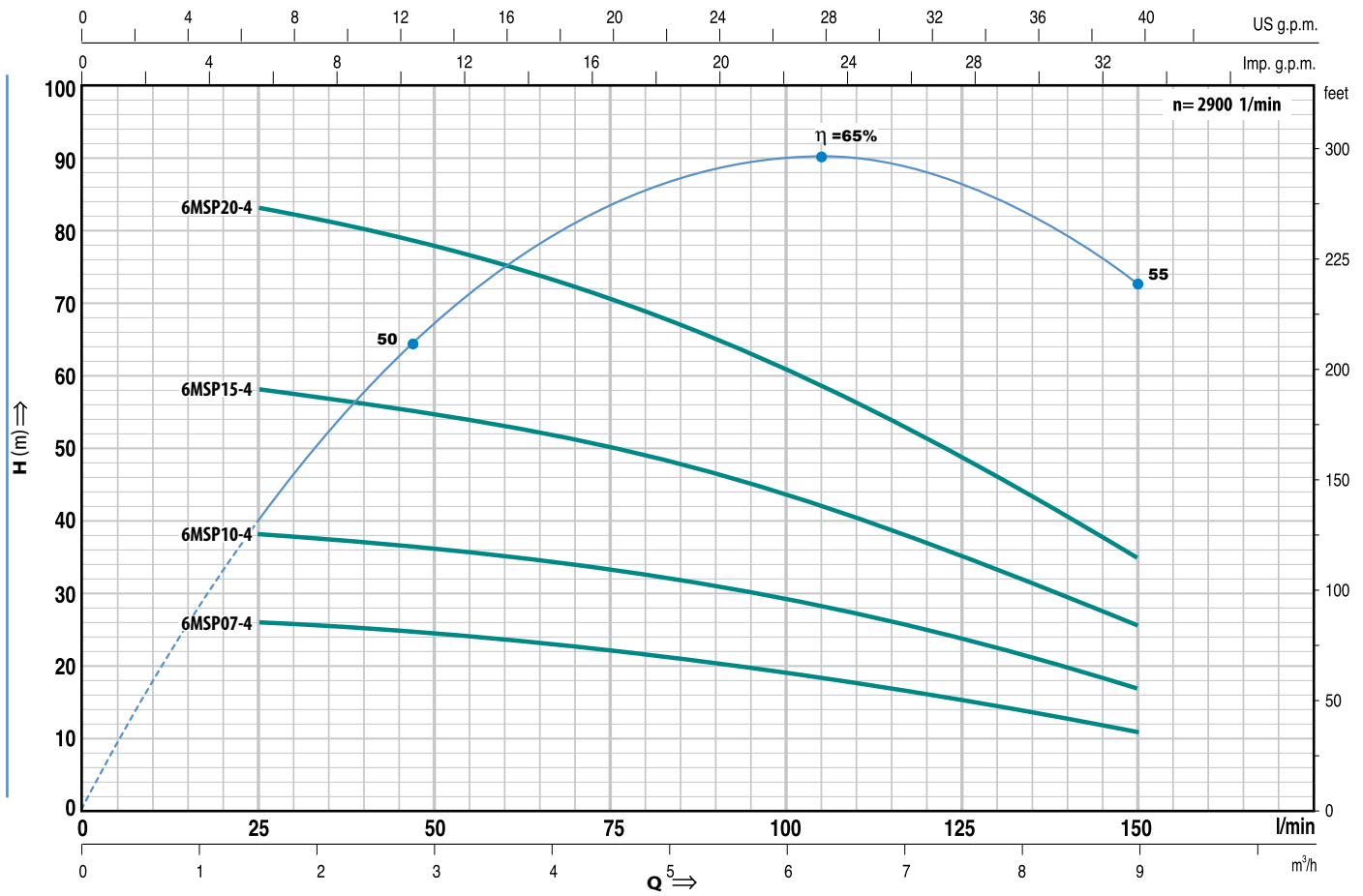
DIMENSIONS AND WEIGHT

TYPE		PORTS DN	N° stages	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
4MSP07-4M	4MSP07-4	1 1/4"	7	99.5	663/638	9.9	8.7
4MSP10-4M	4MSP10-4		9		732/707	11.3	10.2
4MSP15-4M	4MSP15-4		14		901/841	14.3	11.9
-----	4MSP20-4		18		---/1014	-	15.0



6MSP 4

4" monoblock submerged pumps



Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

TYPE		POWER		m³/h l/min	0	1.5	3.0	4.5	6.0	7.5	9.0
Single-phase	Three-phase	kW	HP		0	25	50	75	100	125	150
6MSP07-4M	6MSP07-4	0.55	0.75	H metres	27	26	24	22	19	15	11
6MSP10-4M	6MSP10-4	0.75	1		40	38	36	33	29	24	17
6MSP15-4M	6MSP15-4	1.1	1.5		61	58	54	50	44	35	26
-----	6MSP20-4	1.5	2		87	83	78	71	61	49	35

DIMENSIONS AND WEIGHT

TYPE		PORTS DN	N° stages	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
6MSP07-4M	6MSP07-4	1 1/4"	4	99.5	629/604	9.7	8.5
6MSP10-4M	6MSP10-4		6		714/689	11.3	10.2
6MSP15-4M	6MSP15-4		9		864/804	13.9	11.5
-----	6MSP20-4		13		---/1008	-	15.4