



Your advantages

- IE3 IEC three-phase AC motor (≥ 0.75 kW)
- All parts that come in contact with the fluid are made of stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L)
- Space-saving, compact design
- Drinking water approval (ACS, KTW, WRAS) for all components in contact with the fluid (EPDM version)

Construction

Non self-priming multistage pump

Application

- Water supply and pressure boosting
- Irrigation
- Heating
- In industrial systems (foodstuff industry, renewable energies, shipbuilding): Cooling and washing system

Equipment/function

- Stainless steel in monobloc design
- Threaded connection
- Single-phase or three-phase AC motor
- Single-phase AC motor equipped with built-in thermal motor protection (with automatic restart)

Scope of delivery

- Pump
- Installation and operating instructions

Type key

Example: **MHI 205-1/E/3-400-50-2-IE3**

MHI	Multistage horizontal high-pressure centrifugal pump
2	Flow rate in m^3/h
05	Number of impellers
1	Material 1 = 1.4301 (AISI 304) 2 = 1.4404 (AISI 316L)
E	Gasket type E = EPDM V = FKM (Viton)
3	1 = 1~ (alternating current) 3 = 3~ (three-phase current)
400	Connection voltage in V
50	Frequency in Hz
2	Number of poles
IE3	IE3 motor

Technical data

- Mains connection 1~230 V ($\pm 10\%$), 50 Hz or optionally 220 V ($\pm 10\%$), 60 Hz
- Mains connection: 3~230 V ($\pm 10\%$), 50 Hz (Δ) or optionally 265 V ($\pm 10\%$), 60 Hz (Δ), 400 V ($\pm 10\%$), 50 Hz (Y) or optionally 460 V ($\pm 10\%$), 60 Hz (Y); same motor also: 3~220 V ($\pm 10\%$), 60 Hz (Δ), 380 V ($\pm 10\%$), 60 Hz (Y);
- Fluid temperature of -15 to +110 °C
- Max. operating pressure 10 bar
- Max. inlet pressure of 6 bar
- Protection class 1~: IPX4; 3~: IP54
- Nominal diameters of pipe connections: Rp 1, Rp 1 $\frac{1}{4}$ or Rp 1 $\frac{1}{2}$, depending on type

Materials

- Impellers, stage chambers and pump housing made of 1.4301/1.4404 stainless steel
- Shaft 1.43.01 or 1.4404 stainless steel
- Seal EPDM (EP 851) / FKM (Viton)
- EPDM version of mechanical seal: B carbon/silicon carbide, FKM version: Silicon carbide/B-carbon
- Bearing tungsten carbide/aluminium oxide
- Pump support foot aluminium

Product list

Product description	Mains connection	Gross weight, approx. m	Article number
Economy MHI 202 (1~230 V, EPDM)	1~230 V, 50 Hz	11.3 kg	4024282
Economy MHI 202 (3~400 V, EPDM)	3~400 V, 50 Hz	10.4 kg	4024283
Economy MHI 203 (1~230 V, EPDM)	1~230 V, 50 Hz	11.3 kg	4024284
Economy MHI 203 (3~400 V, EPDM)	3~400 V, 50 Hz	10.4 kg	4024285
Economy MHI 204 (1~230 V, EPDM)	1~230 V, 50 Hz	12.1 kg	4024286
Economy MHI 204 (3~400 V, EPDM)	3~400 V, 50 Hz	11.2 kg	4024287
Economy MHI 205 (1~230 V, EPDM)	1~230 V, 50 Hz	13.7 kg	4024288
Economy MHI 206 (1~230 V, EPDM)	1~230 V, 50 Hz	17.2 kg	4024290
Economy MHI 402 (1~230 V, EPDM)	1~230 V, 50 Hz	11.3 kg	4024292
Economy MHI 402 (3~400 V, EPDM)	3~400 V, 50 Hz	10.4 kg	4024293
Economy MHI 403 (1~230 V, EPDM)	1~230 V, 50 Hz	12.2 kg	4024294
Economy MHI 403 (3~400 V, EPDM)	3~400 V, 50 Hz	11.3 kg	4024295
Economy MHI 404 (1~230 V, EPDM)	1~230 V, 50 Hz	13.7 kg	4024296
Economy MHI 405 (1~230 V, EPDM)	1~230 V, 50 Hz	16.7 kg	4024298
Economy MHI 406 (1~230 V, EPDM)	1~230 V, 50 Hz	19.3 kg	4024300
Economy MHI 802 (1~230 V, EPDM)	1~230 V, 50 Hz	17.3 kg	4024302
Economy MHI 803 (1~230 V, EPDM)	1~230 V, 50 Hz	16 kg	4024304
Economy MHI 804 (1~230 V, EPDM)	1~230 V, 50 Hz	17.5 kg	4024306
Economy MHI 1602 (3~400 V, EPDM)	3~400 V, 50 Hz	19.7 kg	4210710
Economy MHI 1603 (3~400 V, EPDM)	3~400 V, 50 Hz	22.1 kg	4210713
Economy MHI 1604 (3~400 V, EPDM)	3~400 V, 50 Hz	23.1 kg	4210715
Economy MHI 205 (3~400 V, EPDM)	3~400 V, 50 Hz	15.2 kg	4210718
Economy MHI 206 (3~400 V, EPDM)	3~400 V, 50 Hz	17.4 kg	4210722
Economy MHI 404 (3~400 V, EPDM)	3~400 V, 50 Hz	15.1 kg	4210725
Economy MHI 405 (3~400 V, EPDM)	3~400 V, 50 Hz	16.6 kg	4210732
Economy MHI 406 (3~400 V, EPDM)	3~400 V, 50 Hz	17.5 kg	4210735
Economy MHI 801 (3~400 V, EPDM)	3~400 V, 50 Hz	13.7 kg	4210738
Economy MHI 802 (3~400 V, EPDM)	3~400 V, 50 Hz	14.1 kg	4210739
Economy MHI 803 (3~400 V, EPDM)	3~400 V, 50 Hz	15.6 kg	4210743
Economy MHI 804 (3~400 V, EPDM)	3~400 V, 50 Hz	20.4 kg	4210747
Economy MHI 805 (3~400 V, EPDM)	3~400 V, 50 Hz	22.8 kg	4210750
Economy MHI 202 (1~230 V, FKM)	1~230 V, 50 Hz	11.3 kg	4015676
Economy MHI 202 (3~400 V, FKM)	3~400 V, 50 Hz	10.4 kg	4015677
Economy MHI 203 (1~230 V, FKM)	1~230 V, 50 Hz	11.3 kg	4015678
Economy MHI 203 (3~400 V, FKM)	3~400 V, 50 Hz	10.4 kg	4015679
Economy MHI 204 (1~230 V, FKM)	1~230 V, 50 Hz	12.1 kg	4015680
Economy MHI 204 (3~400 V, FKM)	3~400 V, 50 Hz	11.2 kg	4015681
Economy MHI 205 (1~230 V, FKM)	1~230 V, 50 Hz	13.7 kg	4015682
Economy MHI 206 (1~230 V, FKM)	1~230 V, 50 Hz	17.2 kg	4015684
Economy MHI 402 (1~230 V, FKM)	1~230 V, 50 Hz	11.3 kg	4015686

Product description	Mains connection	Gross weight, approx. <i>m</i>	Article number
Economy MHI 402 (3~400 V, FKM)	3~400 V, 50 Hz	10.4 kg	4015687
Economy MHI 403 (1~230 V, FKM)	1~230 V, 50 Hz	12.2 kg	4015688
Economy MHI 403 (3~400 V, FKM)	3~400 V, 50 Hz	11.3 kg	4015689
Economy MHI 404 (1~230 V, FKM)	1~230 V, 50 Hz	13.7 kg	4015690
Economy MHI 405 (1~230 V, FKM)	1~230 V, 50 Hz	16.7 kg	4015692
Economy MHI 406 (1~230 V, FKM)	1~230 V, 50 Hz	19.3 kg	4015694
Economy MHI 802 (1~230 V, FKM)	1~230 V, 50 Hz	17.3 kg	4015696
Economy MHI 803 (1~230 V, FKM)	1~230 V, 50 Hz	16 kg	4015698
Economy MHI 804 (1~230 V, FKM)	1~230 V, 50 Hz	17.5 kg	4015700
Economy MHI 205 (3~400 V, FKM)	3~400 V, 50 Hz	15.2 kg	4210721
Economy MHI 206 (3~400 V, FKM)	3~400 V, 50 Hz	17.4 kg	4210724
Economy MHI 404 (3~400 V, FKM)	3~400 V, 50 Hz	15.1 kg	4210731
Economy MHI 405 (3~400 V, FKM)	3~400 V, 50 Hz	16.6 kg	4210734
Economy MHI 406 (3~400 V, FKM)	3~400 V, 50 Hz	17.5 kg	4210737
Economy MHI 802 (3~400 V, FKM)	3~400 V, 50 Hz	14.1 kg	4210742
Economy MHI 803 (3~400 V, FKM)	3~400 V, 50 Hz	15.6 kg	4210746
Economy MHI 804 (3~400 V, FKM)	3~400 V, 50 Hz	20.4 kg	4210749
Economy MHI 805 (3~400 V, FKM)	3~400 V, 50 Hz	22.8 kg	4210752