HR SERIES PROPELLER MIXERS

P19-HR-FT-001

Product data sheet · Mixers

HR series slow-speed propeller mixers, from 0.18 to 1.5 kW and from 70 to 140 rpm, with gearbox, stainless steel shaft and propeller. Standard shaft up to 1,500 mm. Three-phase 400 V or single-phase 230 V motor, 50 Hz; bare or PE-coated shaft.



Technical data

Power	0.18 to 1.5 kW
Rotation speed	70 to 140 rpm
Motor	Three-phase 400 V, 50 Hz (HRT) or single-phase 230 V, 50 Hz (HRM)
Drive	Motor with gearbox
Shaft	AISI 304 or 316 stainless steel
Propeller	Stainless steel
Shaft length	700 to 1,500 mm
Option	PE-coated shaft (codes ...-PE)

Description

HR series propeller mixers mix solutions of medium density and viscosity, in water treatment and in the chemical industry, in medium to large tanks.

They are slow-speed mixers: the motor drives the shaft through a gearbox. The shaft is made of AISI 304 or 316 stainless steel, the propeller of stainless steel. In the HR series, the shaft is at most 1,500 mm long as standard.

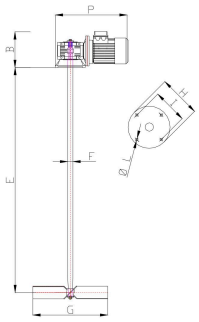
For longer shafts, see the VR series, with a shaft and coupling.

Models and codes

Model	Power (kW)	Rotation speed (rpm)	Code	Single-phase code	PE-coated shaft code	Single-phase, PE-coated shaft code
HR-018	0.18	140	HRT-018	HRM-018	HRT-018-PE	HRM-018-PE
HR-025	0.25	90	HRT-025	HRM-025	HRT-025-PE	HRM-025-PE
HR-037	0.37	90	HRT-037	HRM-037	HRT-037-PE	HRM-037-PE
HR-055	0.55	90	HRT-055	HRM-055	HRT-055-PE	HRM-055-PE
HR-075	0.75	90	HRT-075	HRM-075	HRT-075-PE	HRM-075-PE
HR-110	1.1	90	HRT-110	HRM-110	HRT-110-PE	HRM-110-PE
HR-150	1.5	70	HRT-150	HRM-150	HRT-150-PE	HRM-150-PE

The "Code" column gives the code of the version with three-phase 400 V, 50 Hz motor (HRT). The versions with single-phase 230 V, 50 Hz motor have HRM codes. Codes ending in -PE designate the versions with PE-coated shaft.

Dimensions



Dimensions B, E, F, G, H, I, L and P

Dimensions and weights

Model	B (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	P (mm)	Weight (kg)
HR-018	140	700	25	200	140	115	4 × 9	320	17
HR-025	180	800	30	300	160	130	4 × 10	360	22
HR-037	200	1000	30	350	160	130	4 × 10	370	22
HR-055	220	1200	35	400	200	165	4 × 12	420	35
HR-075	220	1500	35	500	200	165	4 × 12	420	37
HR-110	250	1500	35	550	200	165	4 × 12	500	40
HR-150	250	1500	40	700	200	165	4 × 12	520	60

On request, the propeller can be of the turbine type or have a special profile.

Related documents : P19-VR-FT-001, P19-AQAG-FT-001

Product codes : HRT-018, HRT-025, HRT-037, HRT-055, HRT-075, HRT-110, HRT-150, HRM-018, HRM-025, HRM-037, HRM-055, HRM-075, HRM-110, HRM-150, HRT-018-PE, HRT-025-PE, HRT-037-PE, HRT-055-PE, HRT-075-PE, HRT-110-PE, HRT-150-PE, HRM-018-PE, HRM-025-PE, HRM-037-PE, HRM-055-PE, HRM-075-PE, HRM-110-PE, HRM-150-PE