

# SHEARHEAD MIXERS



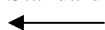
**RIGAL BENNETT - EH range of shearhead mixers are used for applications that require emulsifying, dispersing, homogenising and suspending. Our mixers have a proven record in all industries.**

### PRINCIPAL APPLICATIONS

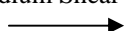
***Cosmetics, pharmaceutical, chemical, paint, beverage and food processing industries.***



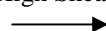
Standard Shear



Medium Shear



High Shear



The special mixer head is designed to give intensive mixing and simultaneous dispersion and emulsifying action, which enables mixing times to be reduced by up to 70% when compared to conventional stirrers and agitators. The mixer design has the following features:-

- Universal application.
- Suitable for various dispersing applications.
- Gives minimal temperature rise of medium even with high capacity machine.
- Mixing and dispersing effect is not limited by large viscosity differences.
- Effective crushing of agglomerations.
- Easily able to put solids into suspension.
- Has an intensive localised mixing action that reduces the input of air to products.
- The mixer head is designed to exert a powerful suction that draws the product liquid/solids upward from the base of the vessel into the working stator and rotor head.
- Intermediate propellers can be fitted to draw down powder or solutions that tend to float.

MODEL	KW	SPEED	PHASE	MOTOR
EH11A	1.1/37	Variable	-	Air
EH113/1/F	1.1	2880	3/1	tefc/flp
EH223/1/F	2.2	2880	3/1	tefc/flp
EH37A	3.7/1.1	Variable	-	Air
EH403/1/F	4.0	2880	3/1	tefc/flp
EH553/F	5.5	2880	3	tefc/flp
EH67A	6.7/1.5	Variable	-	Air
EH753/F	7.5	2880	3	tefc/flp
E1103/F	11	2880	3	tefc/flp
E1503/F	15	2880	3	tefc/flp
E1803/F	18	2880	3	tefc/flp
E2203/F	22	2880	3	tefc/flp
E3003	30	2880	3	tefc/flp

**TECHNICAL DESCRIPTION:** The Rigal Bennett shearhead mixer is designed for continuous duty. The mixer head is designed to self-centre when mixing and is offered flange mounted or with suspending hook mount. Four stainless steel shafts support the motor and mixer head. The mixer head has an immersed bush bearing to support the rotor. We offer our general purpose head as standard as this suits up to 90% of applications but special heads are available on request. All contact parts are stainless steel. Please read the table above which shows our standard range of mixers designed to suit your working environment and we are able to quote for one off specials to meet your requirements.



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