

ELM(R) SERIES



• Introduction

Type ELM(R) pumps are cantilevered, horizontal, centrifugal, slurry pumps. Series ELM(R) pumps are adopting high speed operating so they have small volumes saving floor area. The frame plates have changeable, wear-resistant, metal liners or rubber liners and the impellers are made of wear-resistant metal or rubber (Rubber for frame plates, impellers of pumps with discharge diameter above 550 mm). The discharge position by request may be rotated 8 different angles at internal of 45 degrees for installation and application.

• Application

They are suitable for delivering low abrasive, low density slurries for metallurgical, mining, coal and build material departments. The shaft seal is adopted both gland seal and centrifugal seal.

• Model Explanation

ELM(R)-75C
 E: Excellence
 L: Low concentration
 M: Metal lined
 R: Rubber lined
 75: Discharge size (mm)
 C: Frame type with maximum power

ELM(R) Series Slurry Pump Performance Chart

Pump Model	Allowable Max. Power (kw)	Clear Water Performance						Impeller Dia. (mm)
		Capacity Q		Head H(m)	Speed n(r/min)	Max. Eff. %	NPSH (m)	
		m3/h	l/s					
ELM-20A	7.5	1.8-9	0.5-2.5	7-35.5	1400-3000	40	2.5-3	152
ELM-50B	15	11.5-65	3.2-18	8.5-46	1400-2800	62	2.5-5.5	190
ELR-50B	15	9-61	2.5-17	3-32.4	1200-2600	48	2.75-4.5	190
ELM-75C	30	21.6-137	6-38	7-46.4	900-2400	57	3-6	229
ELR-75C	30	28.8-155	8-43	9-43	1100-2300	60	3-5	229
ELM-100D	60	46.8-324	13-90	7-48.3	800-1800	64	2.5-6	305
ELR-100D	60	54-288	15-80	12-38	800-1600	65	2.5-5.5	305
ELM-150E	120	126-569	35-158	10.5-52	800-1500	60	2.5-6	381
ELR-150E	120	72-576	20-160	4-38	800-1300	65	2.5-5.5	381
ELM-200E	120	72-1080	20-300	8-45	500-1100	74	3-6	457
ELM-250E	120	144-1800	40-500	6-48	500-1000	73	3-10	550
ELM-300S	560	568-2538	130-705	8-60	400-950	79	2-10	653
ELR-300S	560	432-1900	120-528	7-41	400-800	81	3-8	653
ELM-350S	560	650-2800	180-780	10-59	400-840	81	3-10	736
ELR-350S	560	720-2844	200-790	10-41	400-700	86	3-7	736
ELM-400S	560	756-3312	210-920	7-37.5	300-600	85	2-8	825
ELR-400S	560	720-3312	200-920	7-51	300-700	80	2-10	825
ELM-450ST	560	1080-4356	300-1210	9-40	300-550	87	3-10	933
ELR-450ST	560	1008-4356	280-1210	9-48	300-600	80	2-9	933
ELM-550TU	1200	1980-7920	560-2200	10-50	250-475	86	4-10	1213

Note:

1. Quantity range recommended: 50%<Q<110%Q' (Q' Appropriate at highest efficiency point).
2. NPSH: appropriate to point Q recommended at highest speed.