



KDI-EE5

Energy Efficient Monobloc Pump With Ultra Premium Efficiency IE5 Motor



Air Conditioning and Refrigeration System



Fire Fighting



Clear Water Handling in ETP/STP Plants





Fully Automatic System



Compact and Robust Design



TOP - Thermal Overload Protector

ALWAYS BUY PUMPS WITH







LOGOS ON PACKAGING

KIRLOSKAR PUMPS

KDI - EE5

Energy Efficient Monobloc Pump With Ultra Premium Efficiency IE5 Motor

TECHNICAL SPECIFICATION

Head Range - Up to 54 Metres Discharge Range - Up to 33 LPS

- 1.1 - 3.7 kW (1.5 - 5.0 HP) Power Rating

- 350 to 440 Volts Voltage Range - F Class Insulation Protection - IP55

MATERIAL OF CONSTRUCTION

- Cast Iron Impeller **Delivery Casing** Cast Iron Motor Body Cast Iron Pump Shaft Stainless Steel Sealing Mechanical Seal

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

APPLICATIONS

- Air conditioning and refrigeration system
- Cooling towers
- Fire fighting
- Water supply
- Clear water handling at high pressure in industries
- Clear water handling in ETP/STP Plants
- Handling hot water in par boiled rice making machines
- Hot water handling at High Pressure in Industries

FEATURES

Ultra Premium Efficiency

Lower life cycle cost with lower operating cost.

Higher Specific Discharge (discharge rate per unit power)

Up to 16.6 % less energy consumption for pumping same amount of fluid.

High grade F-Class insulation with Temperature rise limited to B-Class#

Robust design to withstand higher temperatures reducing the chances of motor burning and ensures the reliability, safety and enhanced life.

High Efficiencies Achieved with AC Induction Motor Design

Rugged and most suited to work under varied field conditions. Easy to operate, maintain and service at local levels as there is no use of permanent magnets/added accessories/control equipment.

Cathodic Electro Deposition (CED) Coating

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All Hydraulic parts of Kirloskar pumps are CED coated.

Dynamically Balanced Rotating Parts

Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

Superior Mechanical Seal

Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer life. With Carbon Vs Ceramic mechanical seal and HNBR it can handle fluid up 120°C.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Optimum Fan and Fan Cover Design

Designed for optimum cooling with minimum power consumption and quiet operation.

For selected models

PERFORMANCE CHART FOR KDI EE5 SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																							
V Ě ÚJ Ě	TQÓÙ GÀÀÛ ¢XÛ	Û]¢ ⊶Â Ûà ဋ @		Ûbັ ~ÁVb, ~Á (mm)		Ùàˇ~∕Á Voltage	WÚ WÓT ÁQ GÓ Ó ÁRU ÁP ØWÙ ØV																
							Ϊ	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
		kW	HP	SUC.	DEL.	(Volts)	ÒR/ÖQÓÙP ØÁRJÁTRNÙØVÁĴØÙÁ/ØÖÚ UÒ																
1	KDI - 1.514 EE5	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 1.522 EE5	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-
3	KDI - 1.525 EE5	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	-	-	-
4	KDI - 1.540 EE5	1.1	1.5	32	25	415	-	-	-	-	-	-	-			2.7	2.5	2.3	2.0	1.65	1.2	0.75	-
5	KDI - 212 EE5	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
6	KDI - 216 EE5	1.5	2.0	65	50	415	-	11.0	10.0	8.7	7.0	4.0	-	-	-	-	-	-	-	-	-	-	-
7	KDI - 225 EE5	1.5	2.0	50	40	415	-	5.4	5.2	5.0	4.7	4.5	4.1	3.7	3.2	2.7	-	-	-	-	-	-	-
8	KDI - 235 EE5	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	1	-	-
9	KDI - 314 EE5	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-
10	KDI - 318 EE5*	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-
11	KDI - 515 EE5	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-
12	KDI - 520 EE5	3.7	5.0	80	80	415	-	23.4	22.0	20.8	19.5	18.0	16.0	13.2	10.0	-	-	-	-	-	-	-	-
13	KDI - 527 EE5	3.7	5.0	80	65	415	-	-	16.0	15.4	14.8	14.2	13.4	12.5	11.4	10.0	8.3	5.8	-	-	-	-	-
14	KDI - 538 EE5	3.7	5.0	65	50	415	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1
							34	36	38	40	42	44	46	48	50	52	54	-	-	•	•	-	-
15	KDI - 550 EE5	3.7	5.0	50	40	415	5.6	5.5	5.3	5.1	4.8	4.5	4.1	3.7	3.2	2.6	1.5	-	-	-	-	-	-

Note:

- * KDI-318 EE5 can also be offered with pipe size 65 x 50.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

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