



PUMP TECHNOLOGY SERVICES PTY LTD

Unit 1/3 Crompton Road, Rockingham, WA 6168

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EIM

**Submersible
Pumps & Motors**





FLAMEPROOF DEWATERING AND CONTRACTOR PUMPS

X-SERIES – 415 Volt / 2 Pole / 50 Hz Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Max Head m	Power kW
EL – 52X	50	No	6.6	22	1.5
* EH – 52X	50	No	6.6	30	2.2
* EH – 102NX	100	No	28	40	7.5
* KHTX – 830-2XE	80	No	16	110	22.0

X-SERIES – 1000 Volt / 2 Pole / 50 Hz Pumps

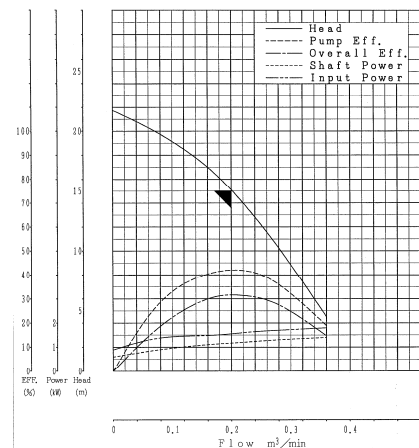
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* EH – 102NX	100	No	28	40	7.5
* KHTX – 830-2XE	80	No	16	110	22.0

X-SERIES – 415 Volt / 4 Pole / 50 Hz Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Max Head m	Power kW
EL – 104X	To be replaced by EL – 108X				
EL – 108X	100	No	40	21	5.5
H – 200FX-2	150	No	56.6	81	37

FEATURES:

- EL-52X, EH-52X and EH-102NX are MDA, EXD approved for Department of Mineral Resources.
- All X-Series pumps are approved by M.I.T.I. (Ministry of International Trade and Industry, Japan) for flameproof.
- Double mechanical seals.
- Hardened steel impeller for excellent wear resistance.
- Handles fluids containing sand, silt, clay, rock drillings etc with minimum wear.



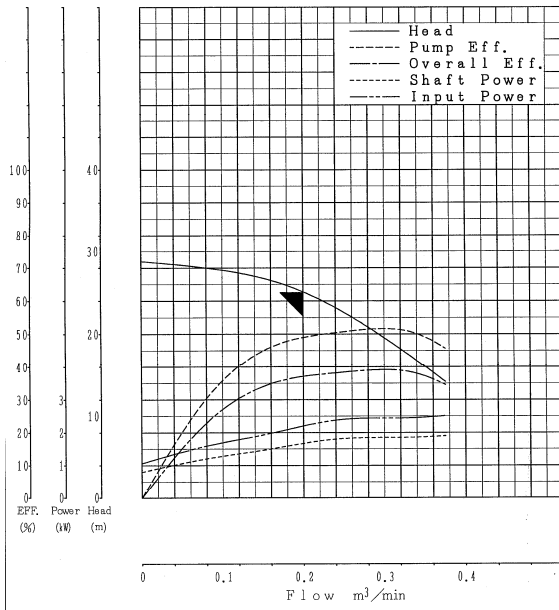
EL52X Series



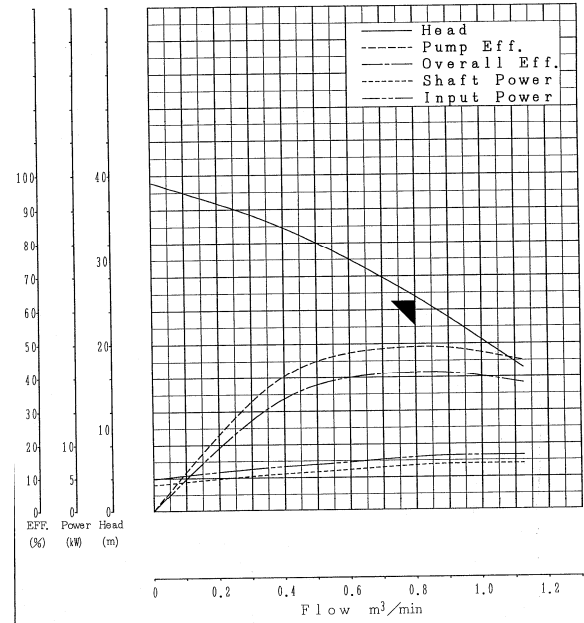
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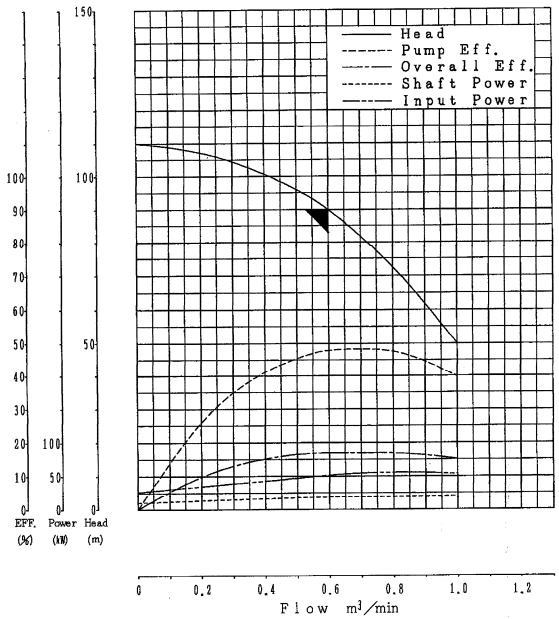
X-SERIES PUMPS



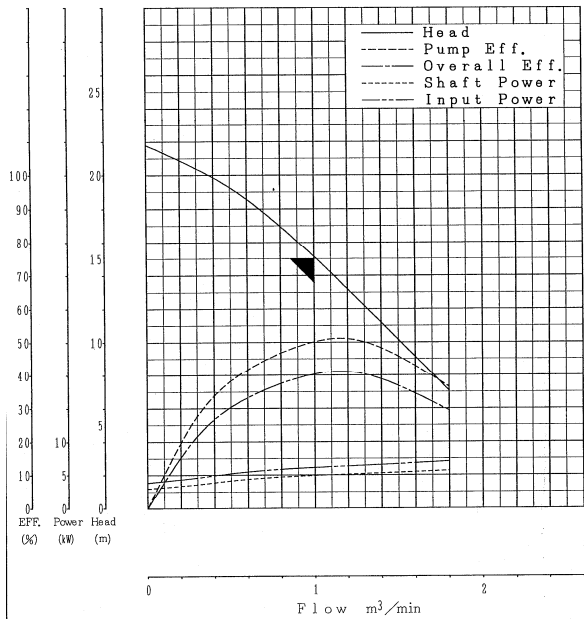
EH-52X



EH-52NX



KHT-830-2XE



EL-104X



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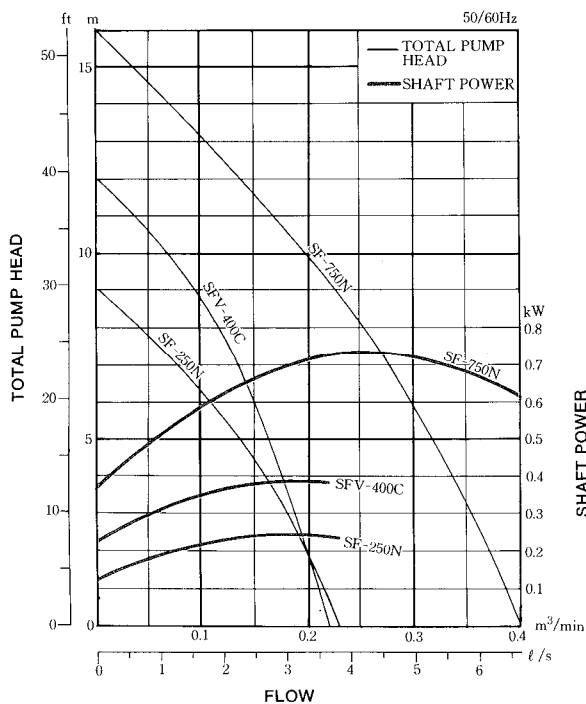
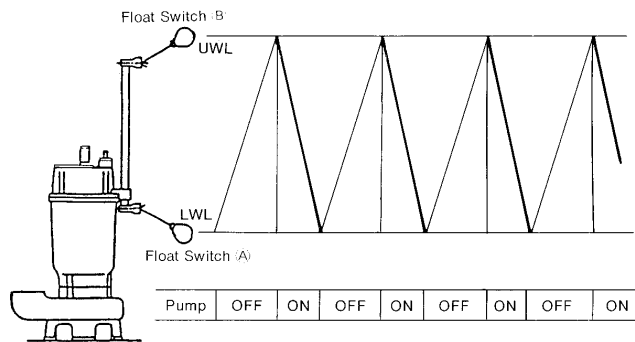
SUBMERSIBLE DEWATERING PUMPS FOR GENERAL DRAINAGE with Float Switches for Automatic Operation

SF SERIES – 240 Volt / 2 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
SF-250N	40	6	3.5	9	0.25
SFV-400F	50	6	3.5	12	0.40
SFV-750N	50	10	6.5	16	0.75

FEATURES:

- The SF Series pumps are operated automatically without the use of expensive control panels. Simply place pump in sump, adjust float switch levels and turn on.
- Fitted with adjustable low voltage (24V) Mercury Float Switches and built-in control relay
- Example of automatic operation





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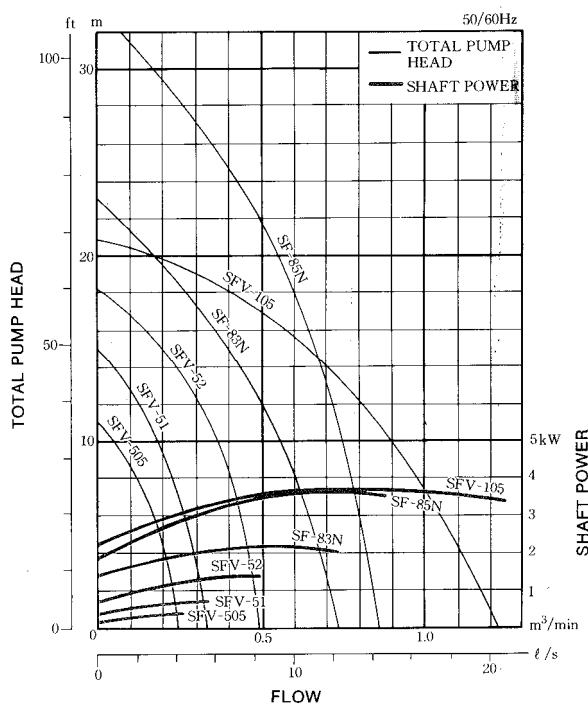
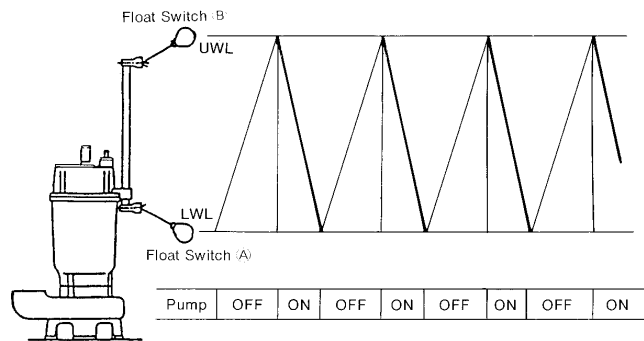
SUBMERSIBLE DEWATERING PUMPS for GENERAL DRAINAGE with Float Switches for Automatic Operation

SF SERIES – 415 Volt / 2 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
SFV-505	50	10	4.0	11	0.40
SFV-51	50	10	4.8	15	0.75
SFV-52	50	10	8.0	16	1.50
SFV-82	80	10	10.0	12	1.50
SF-83N	80	10	12.2	23	2.20
SF-85N	80	15	14.2	32	3.70
SFV-105	100	10	20.0	21	3.70

FEATURES:

- The SF Series pumps are operated automatically without the use of expensive control panels. Simply place pump in sump, adjust float switch levels and turn on.
- Fitted with adjustable low voltage (24V) Mercury Float Switches and built-in control relay
- Example of automatic operation





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GENERAL MINE DEWATERING AND CONTRACTOR SUBMERSIBLE PUMPS

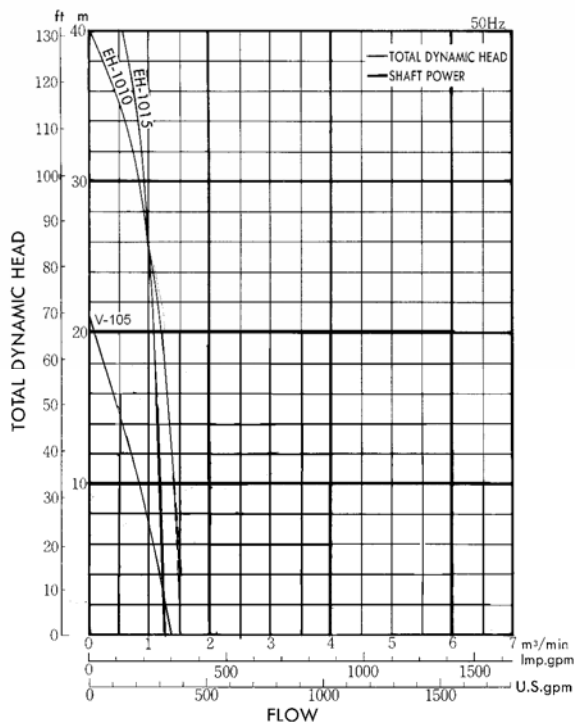
EH SERIES – 415 Volt / 2 Pole Heavy Duty Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
V-105	100	10	20	21	3.7
* EH-1010	100	15	25	40	7.5
* EH-1015	100	15	25	45	11

FEATURES:

- High head, large capacity pumping with low power consumption
- A compact high-performance for big jobs.
- High capacity-handles even the largest de-watering jobs.
- Pumps dirty water with a minimum amount of wear.
- Designed for rugged handling, economical operation and long life.

PERFORMANCE CURVE:



EH-1010 Series



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GENERAL MINE DEWATERING AND CONTRACTOR SUBMERSIBLE PUMPS

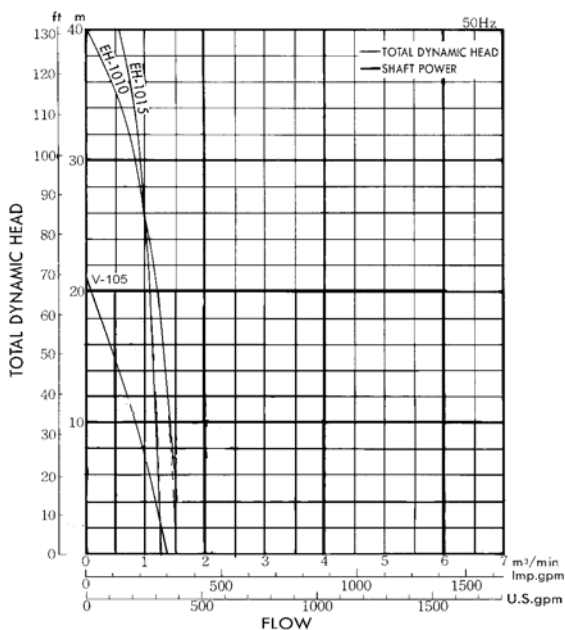
EH SERIES – 1000 Volt / 2 Pole Heavy Duty Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
V-105	100	No Cable	20	21	3.7
* EH-1010	100	No Cable	25	40	7.5
* EH-1015	100	No Cable	25	45	11

FEATURES:

- High head, large capacity pumping with low power consumption
- A compact high-performance for big jobs.
- High capacity-handles even the largest de-watering jobs.
- Pumps dirty water with a minimum amount of wear.
- Designed for rugged handling, economical operation and long life.

PERFORMANCE CURVE



EH-1010 Series



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MINE DEWATERING AND CONTRACTOR PUMPS

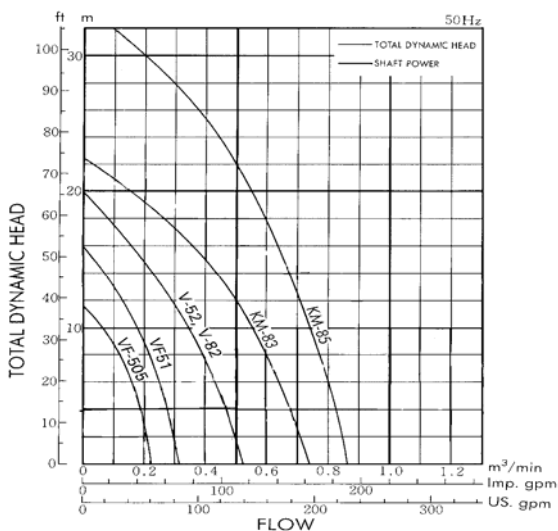
V & K SERIES – 415 Volt / 2 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
VF – 505	50	10	3.3	11	0.4
* VF – 51	50	10	5.0	16	0.75
V – 52	50	10	8.3	20	1.5
* V – 82	80	10	8.3	20	1.5
KM – 83	80	10	11.6	22	2.2
* KM – 85	80	15	14.0	32	3.7

FEATURES:

- Thermal motor protector prevents motor from current overload, short circuits, single-phase running etc, restarts automatically when temperature drops to normal.
- Very durable impeller high-chrome cast iron, hard wear resistant, balanced smooth quiet running.
- Rugged construction withstands hard usage, minimizes damage even under the most adverse conditions.
- Double shaft seal sintered silicon carbide to sintered silicon carbide lapped-face on pump shaft provides extra protection to prevent leakage into motor.
- Watertight electric cable entry is protected against leakage with special epoxy resin encapsulation.

PERFORMANCE CURVE:



KM85 Series



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GENERAL MINE DEWATERING AND CONTRACTOR SUBMERSIBLE PUMPS

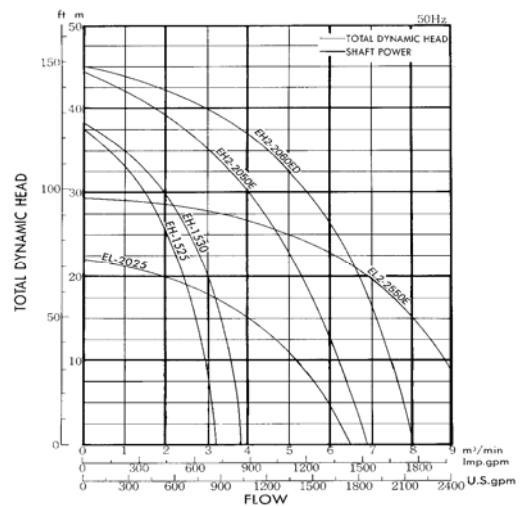
EL SERIES – 415 Volt / 4 Pole Heavy Duty Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
EL-108	100	10	33	20	5.5
EL-158	150	10	50	18	5.5
EL-1510	150	10	58	17	7.5
EL-1515	150	10	66	21	11.0
EL-2015	200	10	108	16	11.0
* EH-1525	150	15	50	36	19.0
* EH-1530	150	15	58	37	22.0
EL-2025	200	10	108	22	19.0
EH2-2050E	200	15	113	44	37.0
EH2-2060E	200	15	133	45	45.0
EL2-2550E	250	10	150	28	37.0

FEATURES:

- Large capacity pumping with low power consumption
- A compact high-performance for big jobs.
- Pumps dirty water with a minimum amount of wear.
- Designed for rugged handling, economical operation and long life.
- For dewatering large amounts of water in a hurry
- Low rpm, increasing wear resistance.

PERFORMANCE CURVE:





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SUPER HIGH HEAD TYPE SUBMERSIBLE PUMP

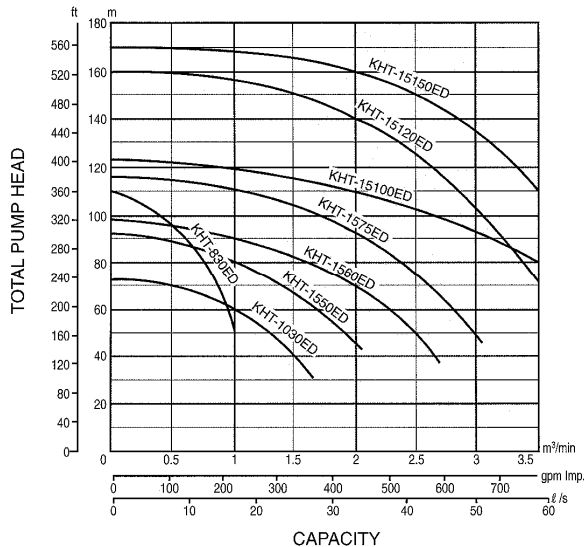
KHT SERIES – 415 Volt / 2 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
KHT-830ED	80	15	16.6	110	22
KHT-1030ED	100	15	28.0	72	22
KHT-1550ED	150	15	33.3	90	37
KHT-1560ED	150	15	45.0	95	45
KHT-1575ED	150	15	51.6	115	55
KHT-15100ED	150	15	60.0	120	75
KHT2-15120ED	150	15	58.3	155	90
KHT-15150ED	150	15	60.0	165	110

FEATURES:

- Abrasion-Resistant Wear Parts – impeller (Hi-chrome alloyed cast iron), Pump casing and suction cover (Ductile FCD450) etc
- Integral Cooling System – discharge water circulates outside motor housing making it possible for the pump to work continuously at full load regardless of whether the electric motor is above or under water.
- Heavy Duty Bearing – upper bearing, deep grooved ball bearings; lower bearing – angular contact ball bearings.
- Shaft – carbon steel coated with anti-abrasive high strength alloy on the mechanical seals and shaft location, this provides extra protection and reduces wear in these important areas.

PERFORMANCE CURVE:



KHT1030 Series



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SUPER HIGH HEAD TYPE SUBMERSIBLE PUMP

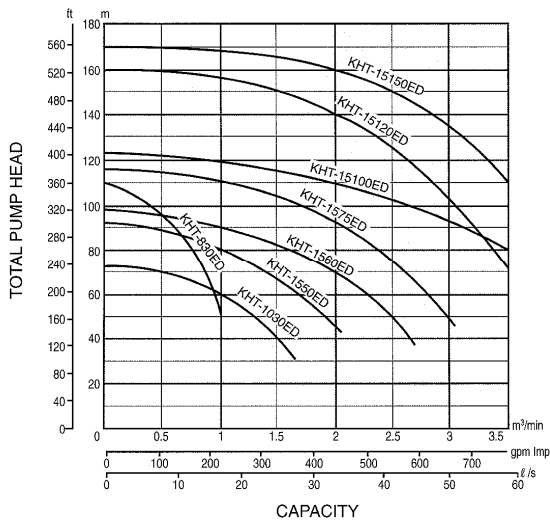
KHT SERIES – 1000 Volt / 2 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Power kW
KHT-830ED	80	No Cable	16.6	110	22
KHT-1030ED	100	No Cable	28.0	72	22
KHT-1550ED	150	No Cable	33.3	90	37
KHT-1560ED	150	No Cable	45.0	95	45
KHT-1575ED	150	No Cable	51.6	115	55
KHT-15100ED	150	No Cable	60.0	120	75
KHT2-15120ED	150	No Cable	58.3	155	90
KHT-15150ED	150	No Cable	60.0	165	110

FEATURES:

- Abrasion-Resistant Wear Parts – impeller (Hi-chrome alloyed cast iron), Pump casing and suction cover (Ductile FCD450) etc
- Integral Cooling System – discharge water circulates outside motor housing making it possible for the pump to work continuously at full load regardless of whether the electric motor is above or under water.
- Heavy Duty Bearing – upper bearing, deep grooved ball bearings; lower bearing – angular contact ball bearings.
- Shaft – carbon steel coated with anti-abrasive high strength alloy on the mechanical seals and shaft location, this provides extra protection and reduces wear in these important areas.

PERFORMANCE CURVE:



KHT1030 Series



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HEAVY DUTY SAND/SLURRY SUBMERSIBLE PUMP WITH MIXING AGITATOR

BD SERIES – 415 Volt / 4 Pole Pumps

Model	Discharge mm	Cable m	Approx Max Flow L/sec	Approx Shut-off m	Solids Handling mm	Power kW
* BD2 1015K	100	10	23.3	35	75	11
* BD2 1515K	150	10	60.0	23	75	11
BD3 1525K	150	10	70.0	28	75	19
BD3 2025K	200	10	75.0	23	75	19

FEATURES:

- By the adoption of a reinforced agitating system, sediments such as gravel, slurries and other heavy debris can now easily be handled.
- The use of hi-chrome cast iron agitator, impeller and adjustable plates increases their abrasion resistance and lifetime.
- Water jacketed motors allow EIM pumps to be used at lower water levels.
- Silicon Carbide (SiC) is used on the wetted side of mechanical seals for increased abrasion resistance. Other EIM mechanical seal advantages include a balance hole for pressure equalization and a dust seal, to prolong shaft seal lifetime.

PERFORMANCE CURVE:

