

KBZ

Bomba sumergible de drenaje con cuerpo del motor y de la bomba fabricados con una fundición rígida de hierro, un impulsor semi-abierto hecho de una aleación de alto cromo y un plato de desgaste en hierro dúctil que le proporcionan una mayor durabilidad.

Se ha mejorado la máxima sumergencia debido al sello mecánico que soporta altas presiones.

Posee un mejor enfriamiento del motor gracias a los canales de descarga de hierro fundido que forman parte del compartimiento del mismo. El fluido lateral y la descarga superior le permiten seguir operando con el motor expuesto al aire.

Motor herméticamente sellado con un protector térmico para potencias menores a 11 kW.



Especificaciones

- Caudal: hasta 160 m³/h
- Altura total: hasta 57 m
- Potencia: 2 a 20 HP
1.5 a 15 kW
- Alimentación: Trifásico 460 V ±10%, 60Hz
- Aislación: clase F
- Protección: IP68
- Cable: largo 8m
- Temperatura del agua: hasta 40°C
- Sumergencia máxima: 25 m

Aplicaciones

- Minas, canteras, lodos.
- Plantas de tratamiento de aguas residuales.
- Obras civiles.
- Trabajos de bombeo en general.

Ejecuciones especiales

- Otros voltajes.
- La longitud del cable es opcional.

Curvas de Comportamiento

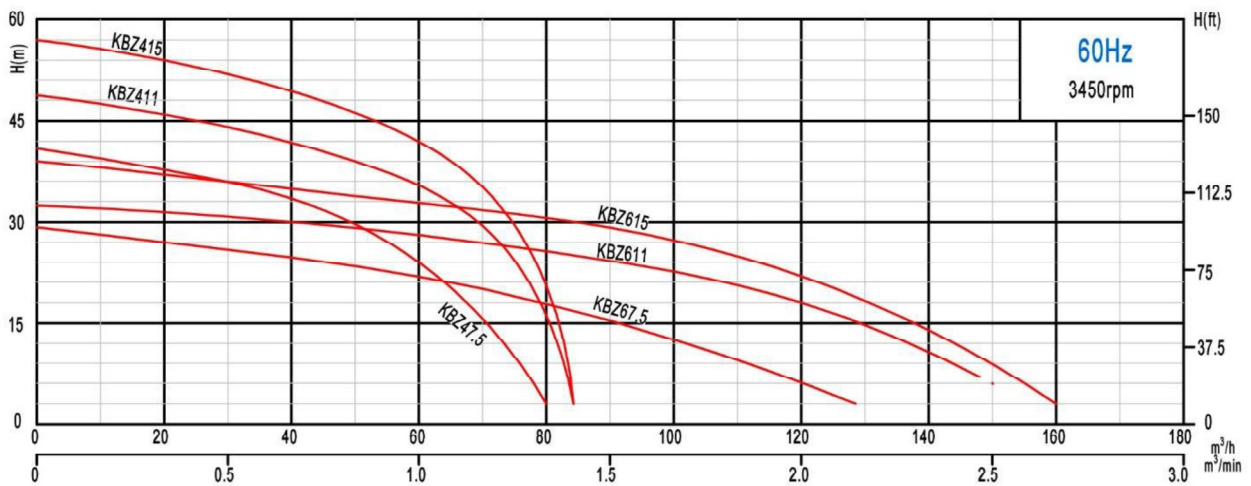
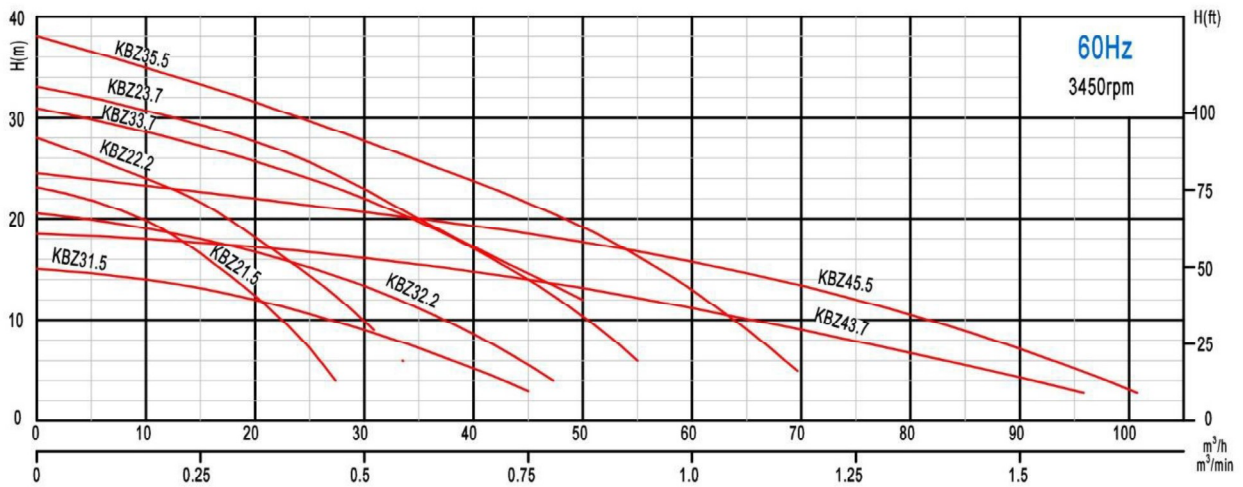
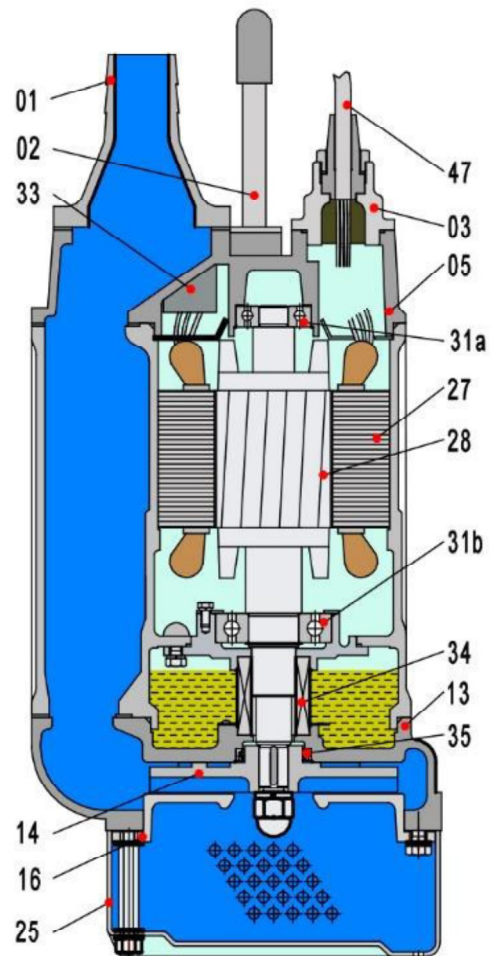


Tabla de Comportamiento

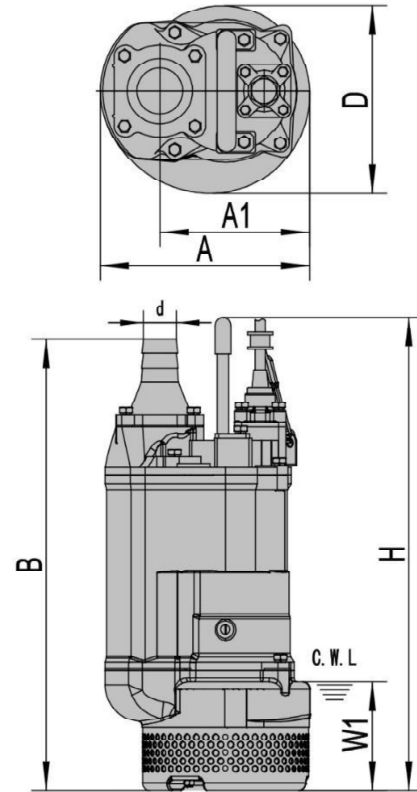
Modelo (60Hz)	Salida		Potencia (motor)		Corriente Nominal	Caudal Nominal		Cabezal Nominal	Caudal Máximo		Cabezal Máximo	Paso del impulsor
	mm	kW	HP	A		m ³ /h	m ³ /min		m	m ³ /h		
KBZ21.5	50	1.5	2	2.9	15	0.25	16.5	27	0.45	23	8.5	
KBZ31.5	80	1.5	2	2.9	30	0.50	9	45	0.75	15	8.5	
KBZ22.2	50	2.2	3	4.2	18	0.30	20	31	0.52	28	8.5	
KBZ32.2	80	2.2	3	4.2	30	0.60	13	47	0.78	20.5	8.5	
KBZ23.7	50	3.7	5	6.6	12	0.20	30	50	0.83	33	8.5	
KBZ33.7	80	3.7	5	6.6	30	0.50	22	55	0.92	31	8.5	
KBZ43.7	100	3.7	5	6.6	60	1.00	11.5	96	1.60	18.5	8.5	
KBZ35.5	80	5.5	7.5	9.6	36	0.60	25	69	1.15	38	8.5	
KBZ45.5	100	5.5	7.5	9.6	60	1.00	16	102	1.70	24.4	8.5	
KBZ47.5	100	7.5	10	12.7	48	0.80	30	80	1.33	41	11.5	
KBZ67.5	150	7.5	10	12.7	90	1.60	15	127	2.12	31	19.5	
KBZ411	100	11	15	18.6	60	1.00	35	84	1.40	48.5	11.5	
KBZ611	150	11	15	18.6	102	1.70	33	147	2.45	32	19.5	
KBZ415	100	15	20	24.8	60	1.00	42	84	1.40	57	11.5	
KBZ615	150	15	20	24.8	102	1.70	27	160	2.67	39	19.5	

Componentes

Item	Componente	Material
01	Niplex de descarga	Fundición de hierro
02	Asa	Caucho y acero
05	Cubierta superior	Fundición de hierro
11	Cuerpo del motor	Fundición de hierro
13	Cuerpo de la bomba	Fundición de hierro
14	Impulsor	Aleación de alto contenido de cromo
16	Plato de entrada	Hierro dúctil
25	Colador	Acero
27	Estator	
28	Rotor	Eje AISI420SS
31a	Rodamiento	Rodamiento de bola
31b	Rodamiento	Rodamiento de bola
33	Protector del motor	
34	Sello mecánico	Sic-Sic/Carbon-Sic(<2.2kW) Sic-Sic/Sic-Sic(>3.7kW)
35	Sello para aceite	
47	Cable	



Dimensiones

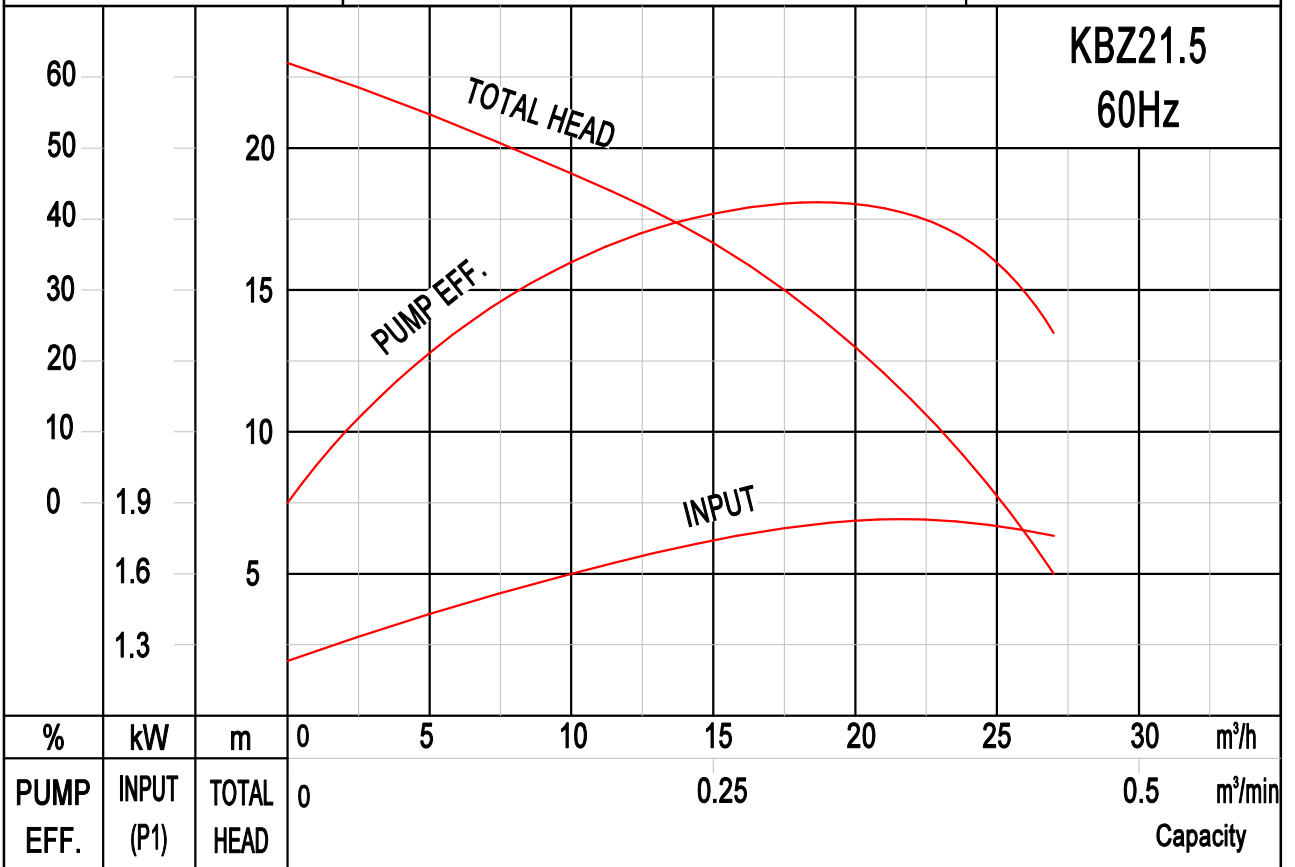


W1: Nivel mínimo de agua

Modelo (60Hz)	d	A	A1	B	D	H	W1	N.W.	G.W	Dimensiones de embalaje
	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	mm
KBZ21.5	50	235	173	535	216	505	120	36	40	610x265x265
KBZ31.5	80	235	173	535	216	505	120	36	40	610x265x265
KBZ22.2	50	235	173	535	216	505	120	39	43	610x265x265
KBZ32.2	80	235	173	535	216	505	120	39	43	610x265x265
KBZ23.7	50	283	208	628	252	629	150	63	68	710x320x295
KBZ33.7	80	283	208	628	252	629	150	63	68	710x320x295
KBZ43.7	100	283	208	642	252	629	150	63	68	710x320x295
KBZ35.5	80	283	208	671	252	590	150	77	84	750x350x360
KBZ45.5	100	283	208	686	252	590	150	77	84	750x350x360
KBZ47.5	100	330	240	764	314	676	190	106	116	835x365x385
KBZ67.5	150	330	240	790	314	676	190	108	119	865x365x385
KBZ411	100	373	255	807	350	695	190	136	148	885x415x435
KBZ611	150	373	255	807	350	695	190	139	150	885x415x435
KBZ415	100	373	255	842	350	755	190	144	158	935x415x435
KBZ615	150	373	255	842	350	755	190	146	160	935x415x435

PUMP PERFORMANCE CURVES

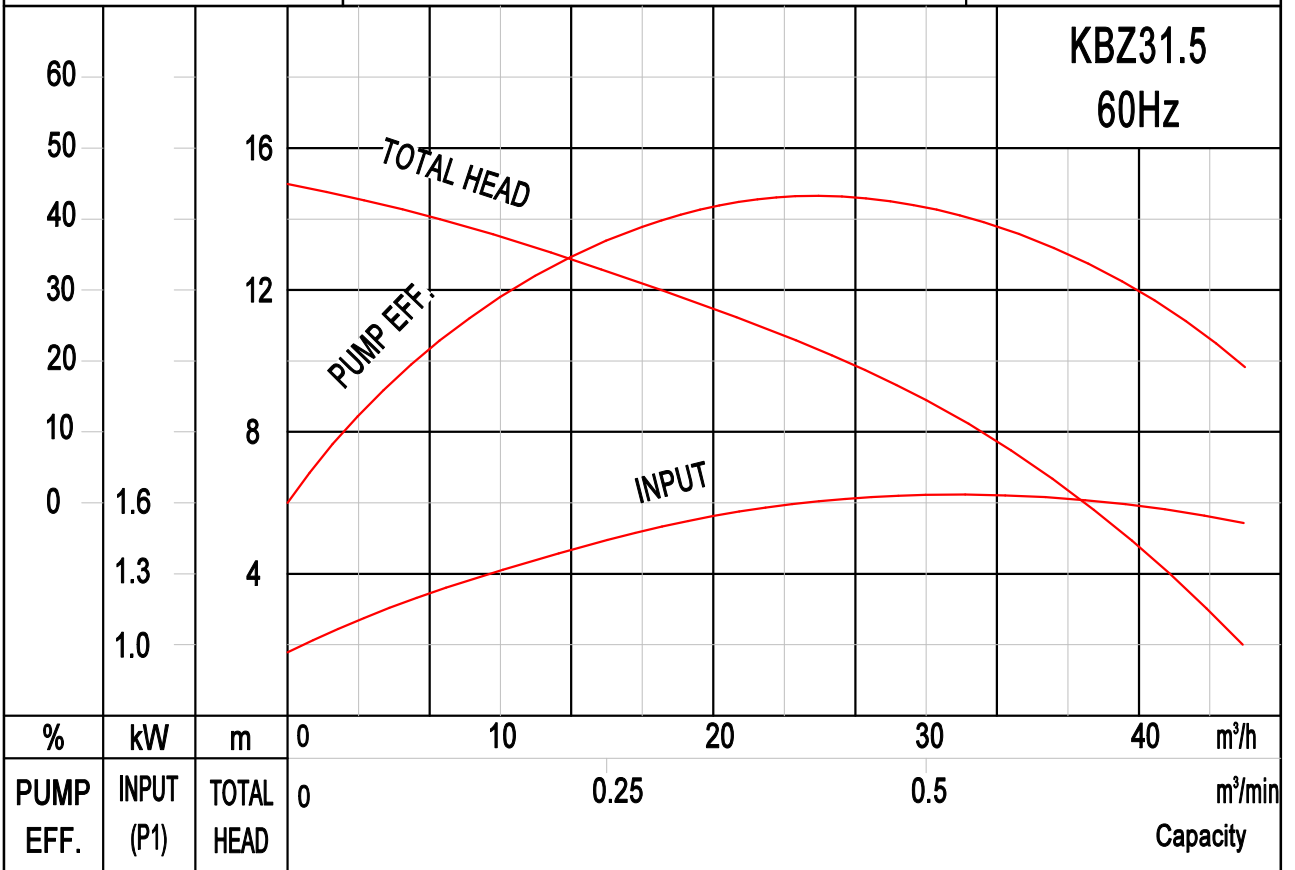
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ21.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	50 mm		
HEAD	Max: 23 m	Rated: 16.5 m	
CAPACITY	Max: 0.45 m ³ /min	Rated: 0.25 m ³ /min	
MOTOR OUTPUT	1.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	3.0 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

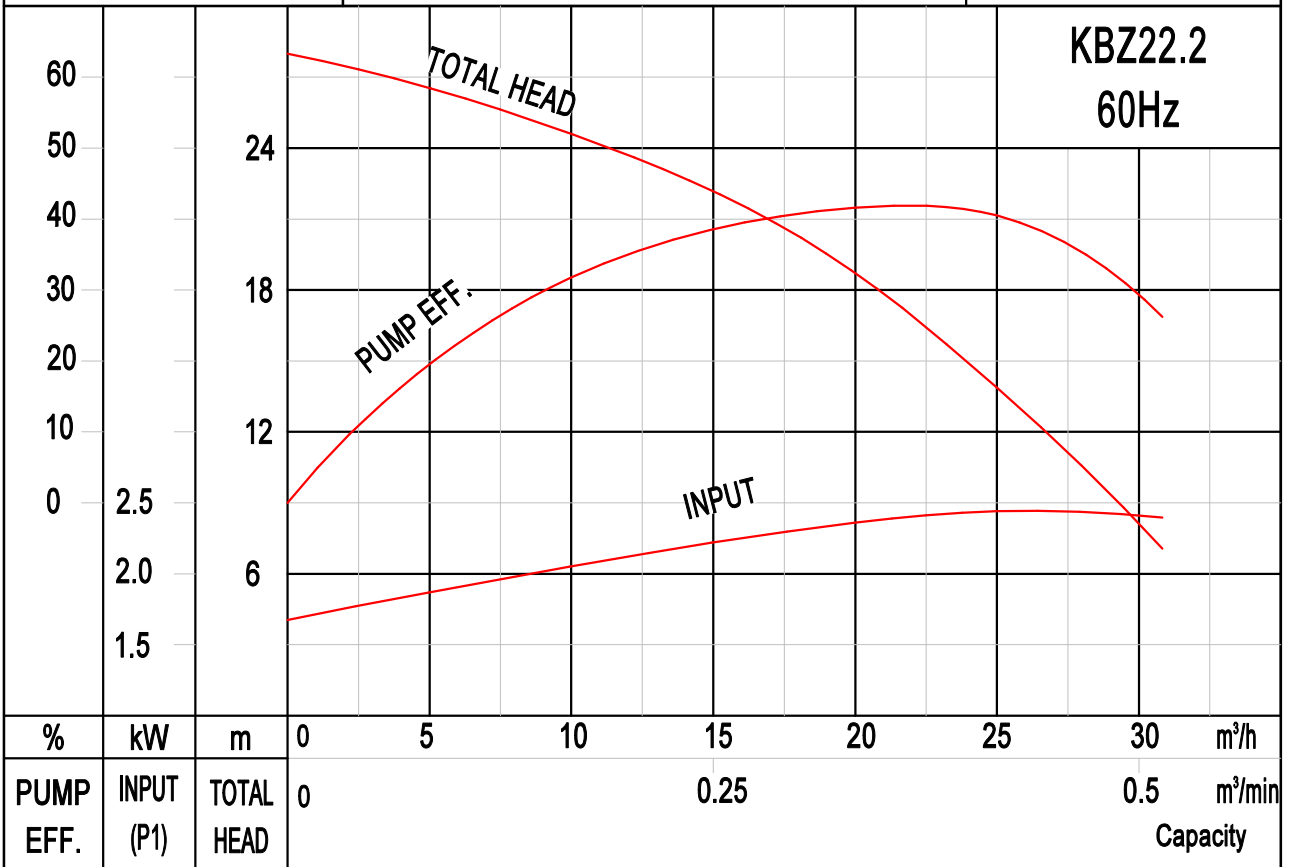
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ31.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	80 mm		
HEAD	Max: 15 m	Rated: 9 m	
CAPACITY	Max: 0.75 m ³ /min	Rated: 0.50 m ³ /min	
MOTOR OUTPUT	1.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	3.0 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

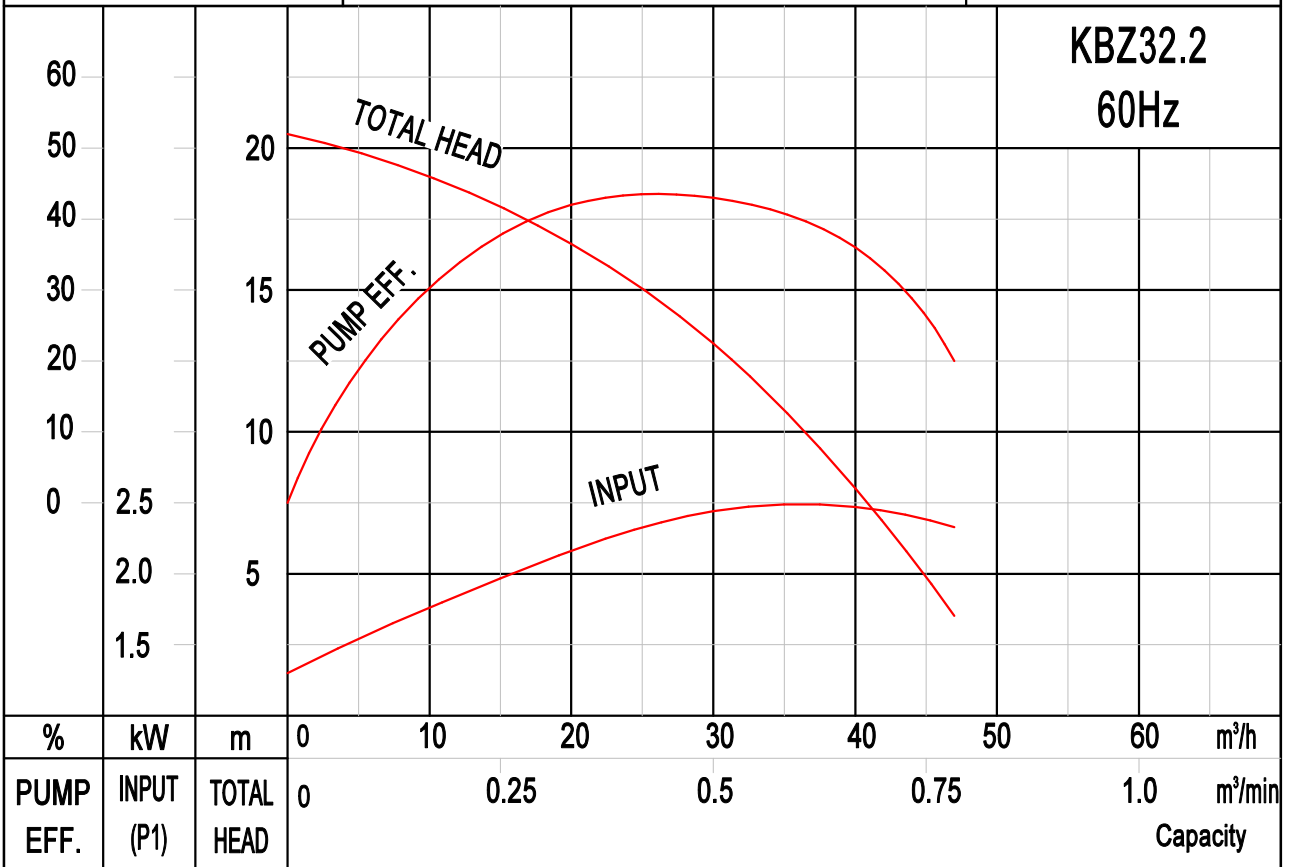
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ22.2	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	50 mm		
HEAD	Max: 28 m	Rated: 20 m	
CAPACITY	Max: 0.52 m ³ /min	Rated: 0.30 m ³ /min	
MOTOR OUTPUT	2.2 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	4.3 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

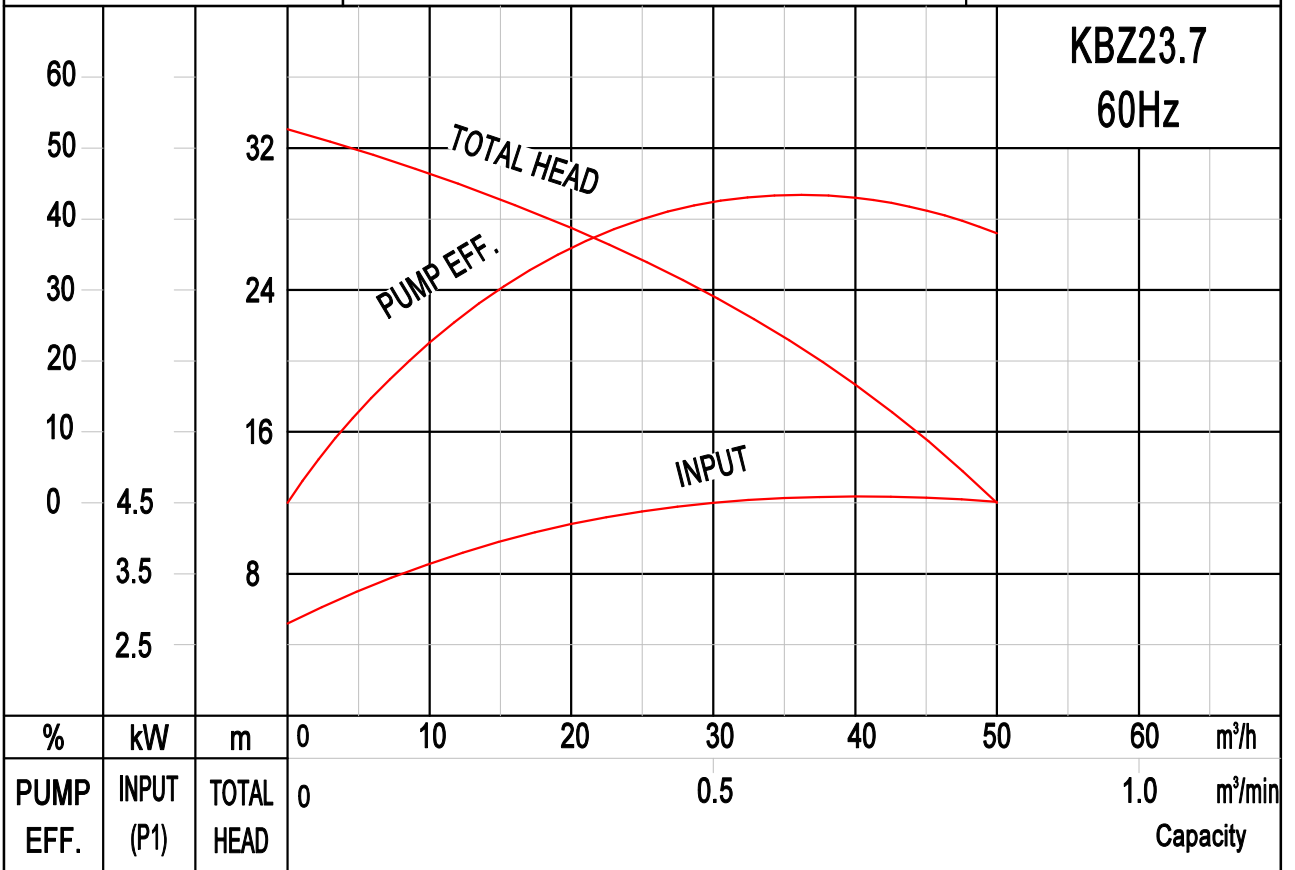
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ32.2	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	80 mm		
HEAD	Max: 20.5 m	Rated: 13 m	
CAPACITY	Max: 0.78 m ³ /min	Rated: 0.60 m ³ /min	
MOTOR OUTPUT	2.2 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	4.3 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

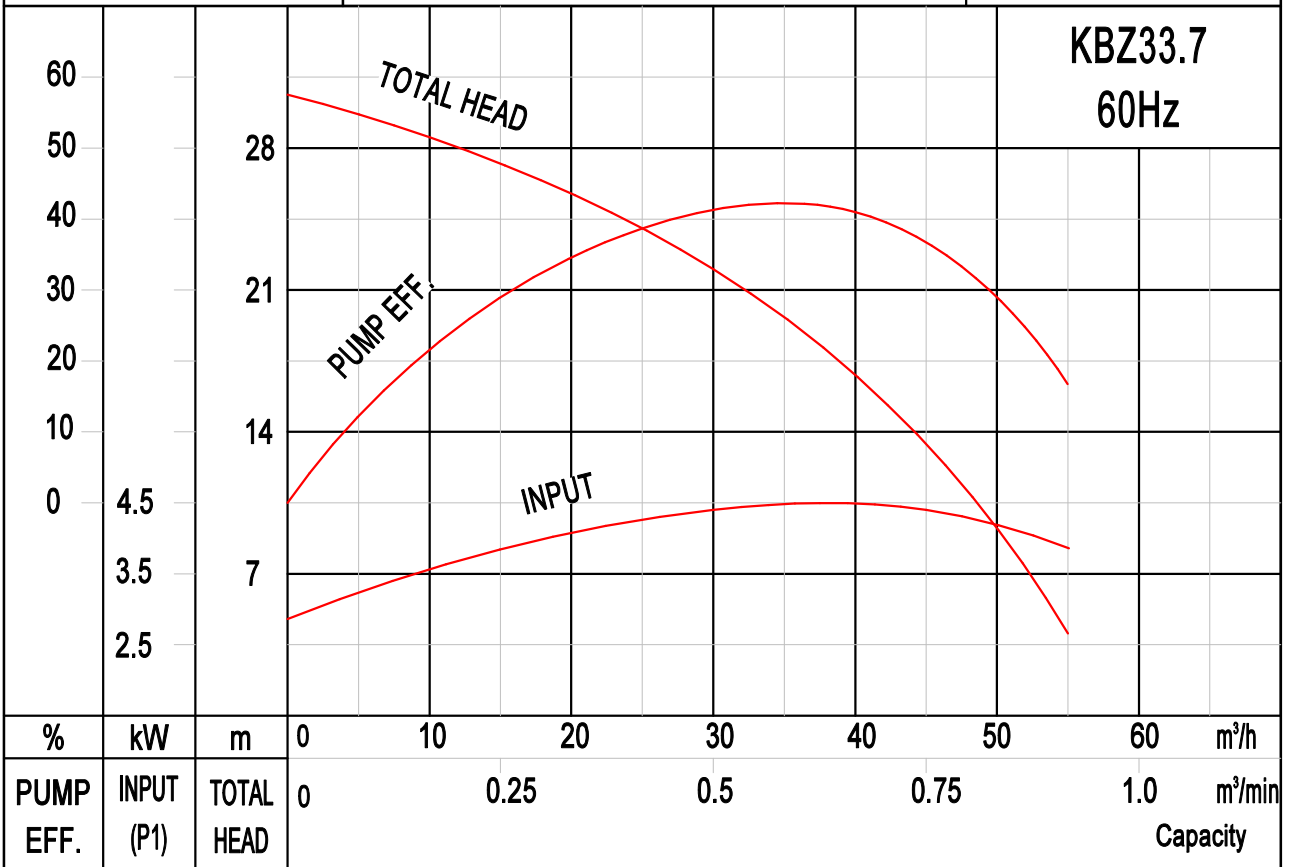
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ23.7	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	50 mm		
HEAD	Max: 33 m	Rated: 30 m	
CAPACITY	Max: 0.83 m ³ /min	Rated: 0.20 m ³ /min	
MOTOR OUTPUT	3.7 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	6.7 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

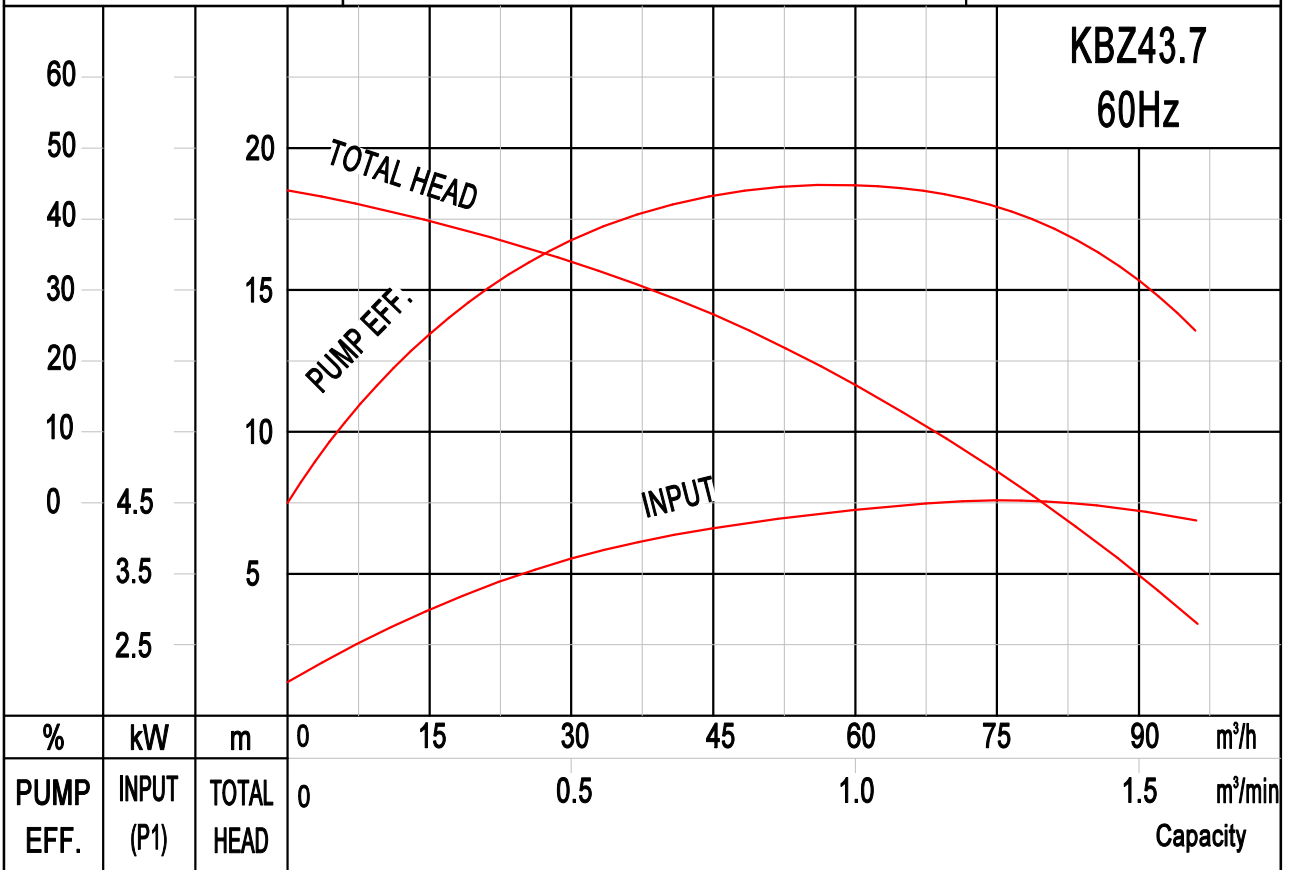
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ33.7	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	80 mm		
HEAD	Max: 31 m	Rated: 22 m	
CAPACITY	Max: 0.92 m ³ /min	Rated: 0.50 m ³ /min	
MOTOR OUTPUT	3.7 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	6.7 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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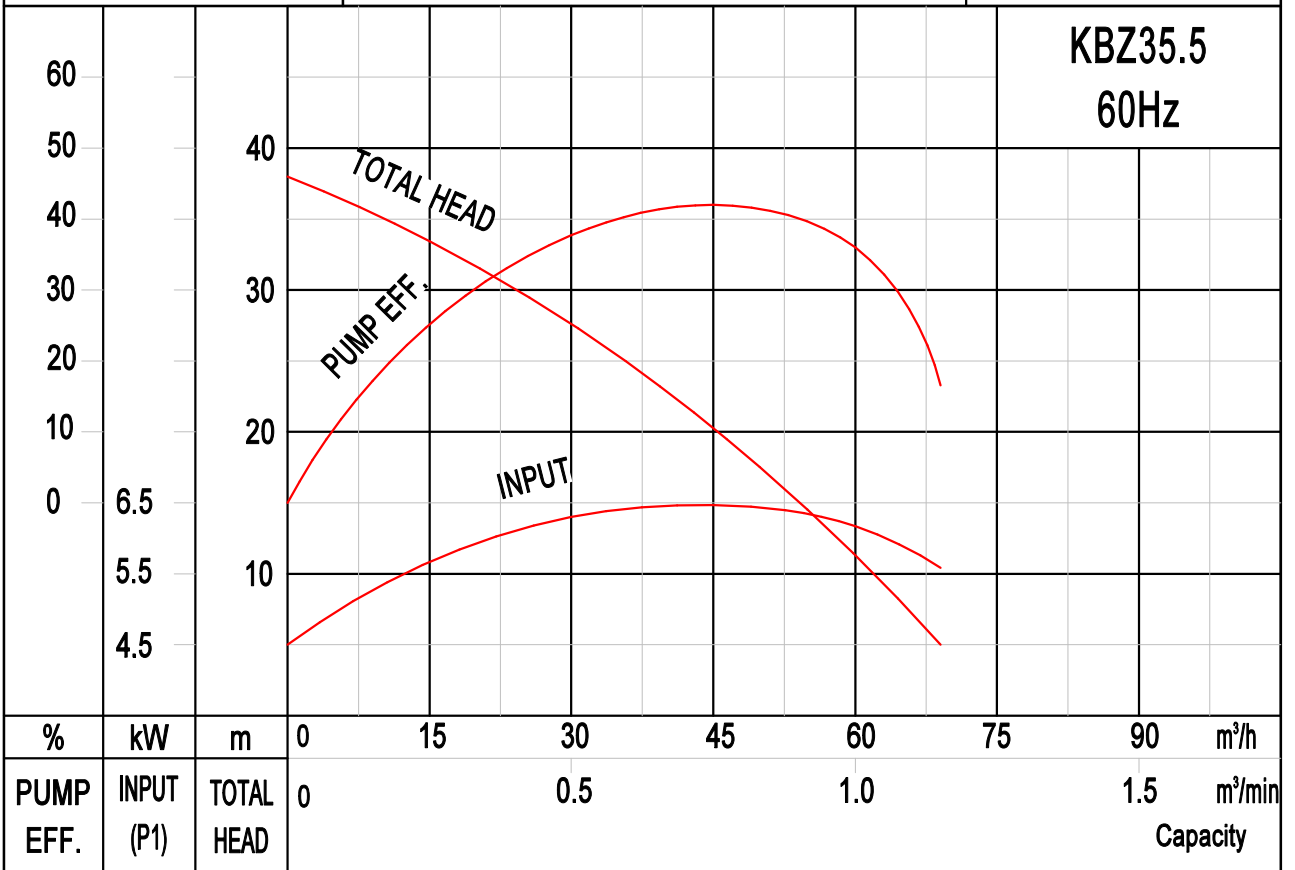
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ43.7	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 18.5 m	Rated: 11.5 m	
CAPACITY	Max: 1.6 m ³ /min	Rated: 1.0 m ³ /min	
MOTOR OUTPUT	3.7 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	6.7 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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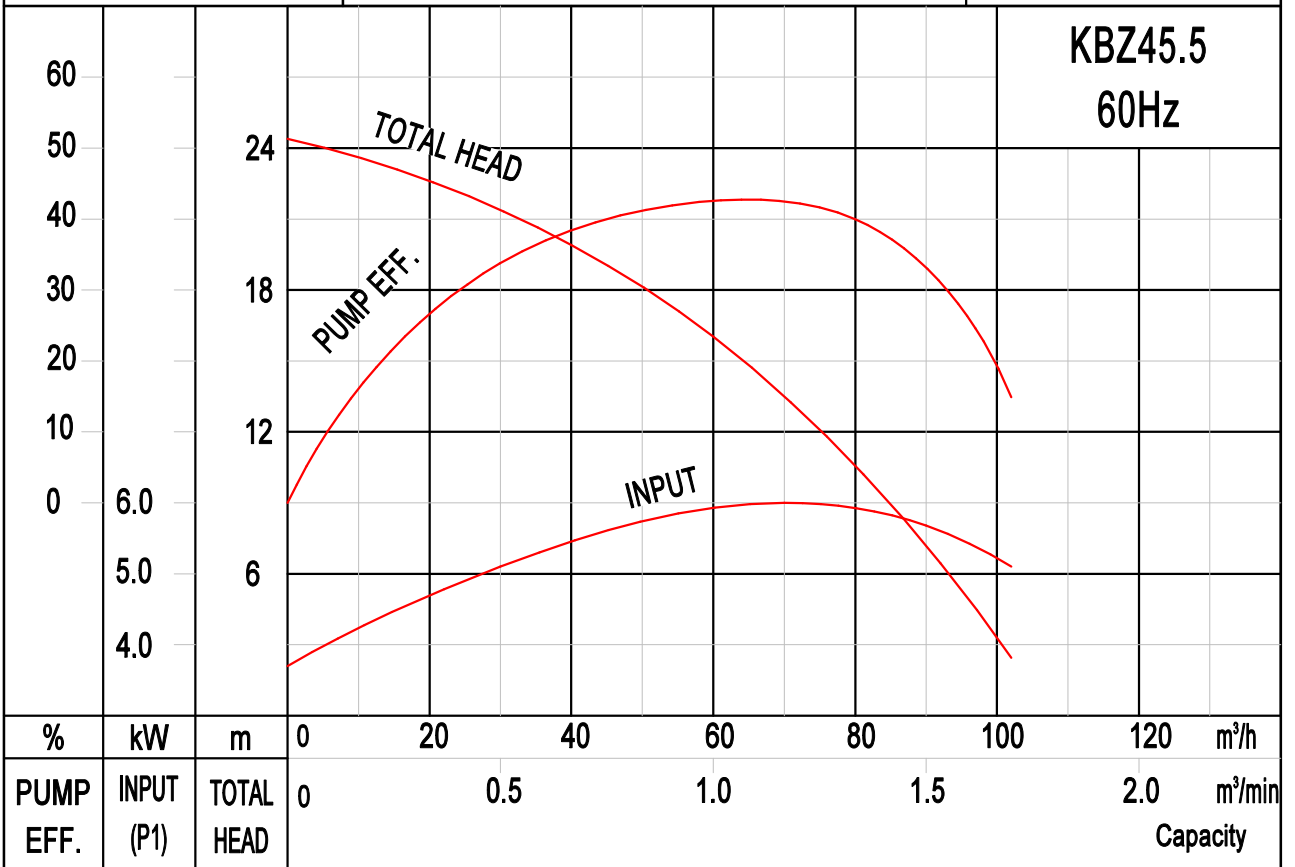
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ35.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	80 mm		
HEAD	Max: 38 m	Rated: 25 m	
CAPACITY	Max: 1.15 m ³ /min	Rated: 0.60 m ³ /min	
MOTOR OUTPUT	5.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	9.9 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

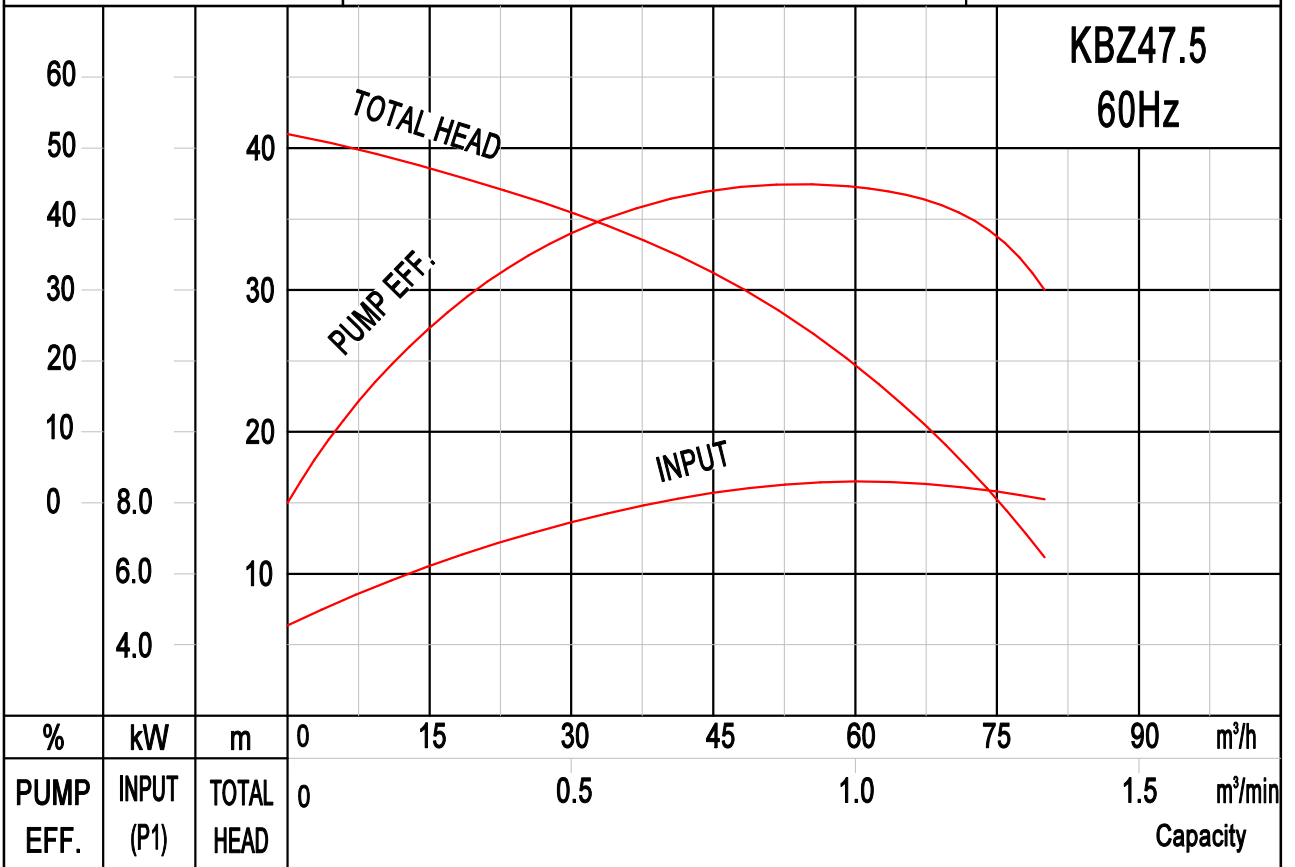
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ45.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 24.4 m	Rated: 16 m	
CAPACITY	Max: 1.70 m ³ /min	Rated: 1.0 m ³ /min	
MOTOR OUTPUT	5.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	9.9 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

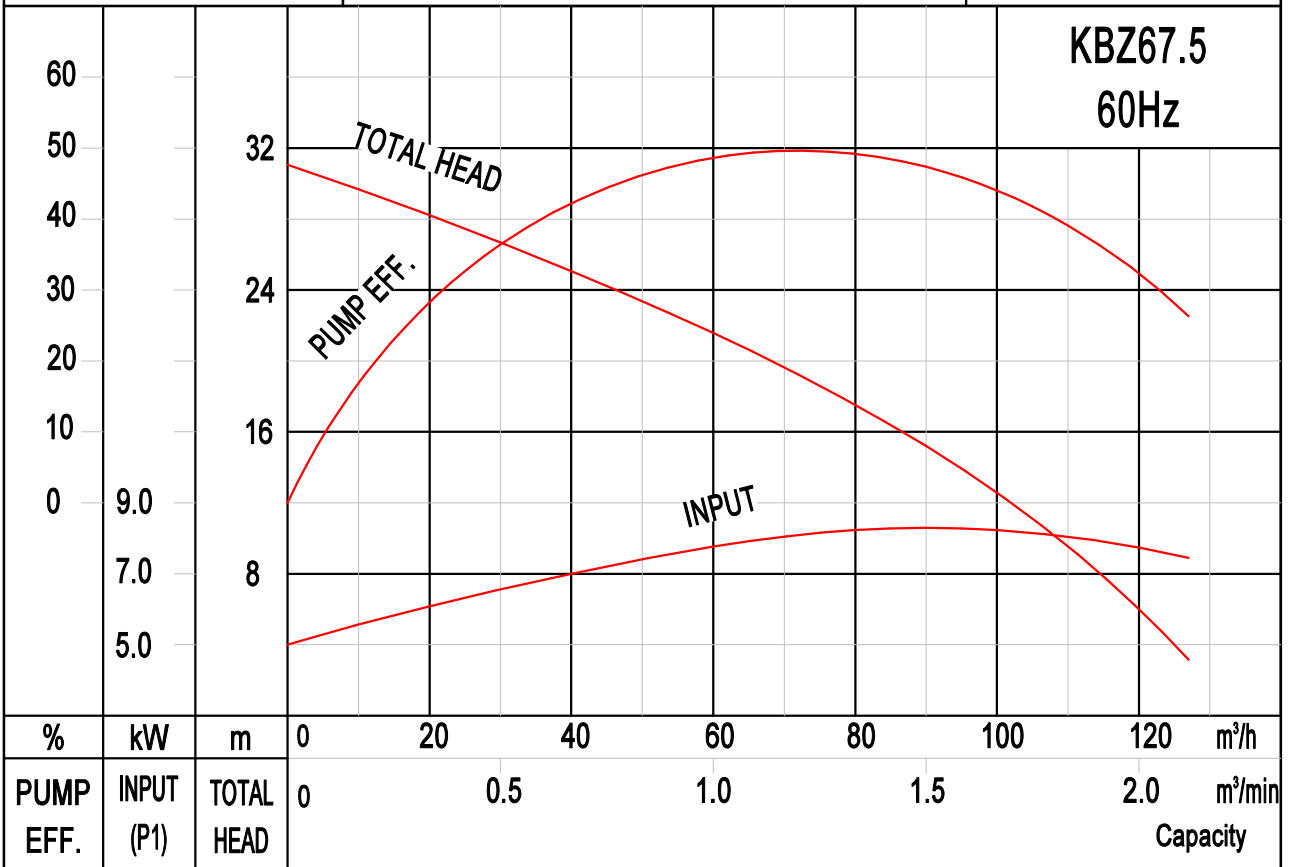
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ47.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 41 m	Rated: 30 m	
CAPACITY	Max: 1.33 m ³ /min	Rated: 0.8 m ³ /min	
MOTOR OUTPUT	7.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	13.0 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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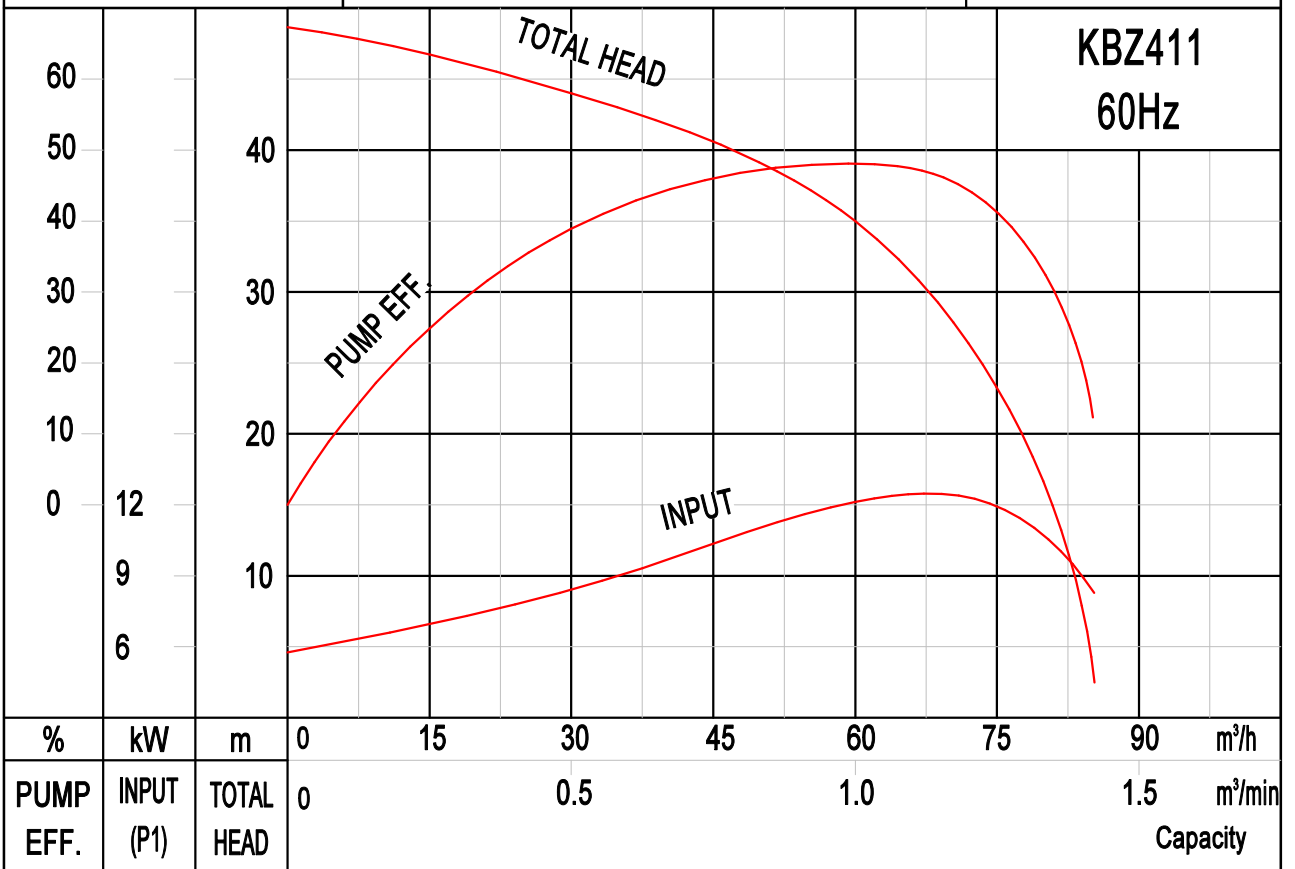
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ67.5	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 31 m	Rated: 15 m	
CAPACITY	Max: 2.12 m ³ /min	Rated: 1.50 m ³ /min	
MOTOR OUTPUT	7.5 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	13.0 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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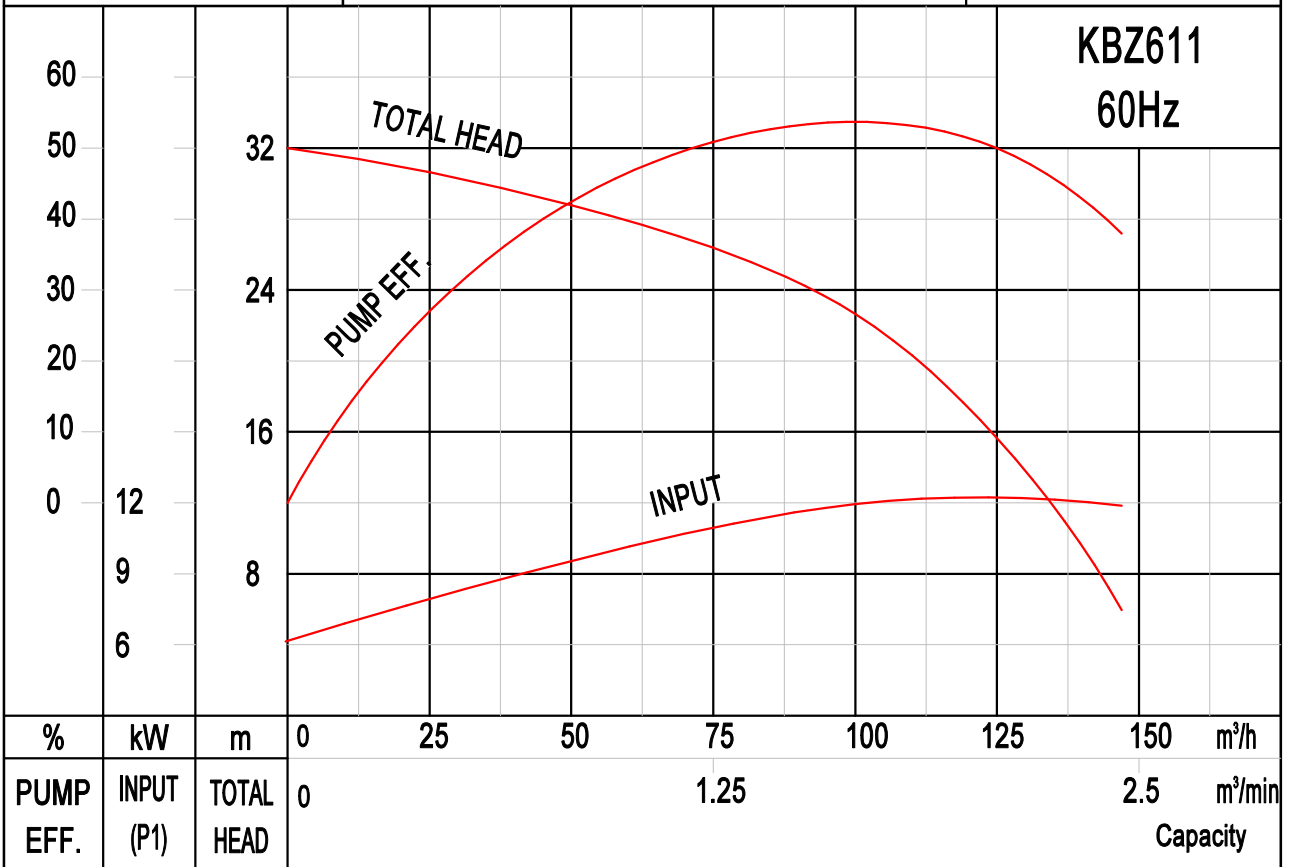
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ411	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 48.5 m	Rated: 35 m	
CAPACITY	Max: 1.40 m ³ /min	Rated: 1.0 m ³ /min	
MOTOR OUTPUT	11 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	19.1 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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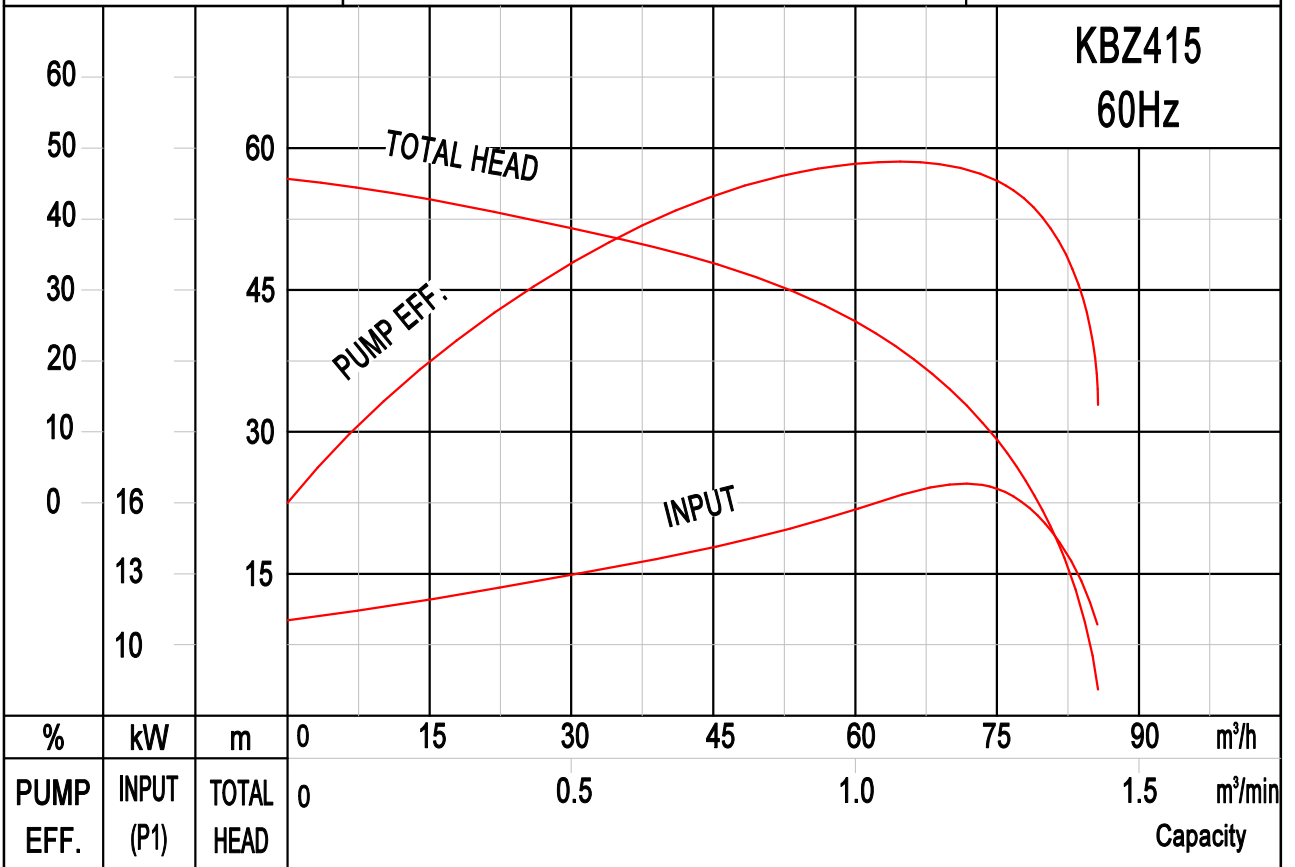
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ611	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 32 m	Rated: 22 m	
CAPACITY	Max: 2.45 m ³ /min	Rated: 1.70 m ³ /min	
MOTOR OUTPUT	11 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	19.1 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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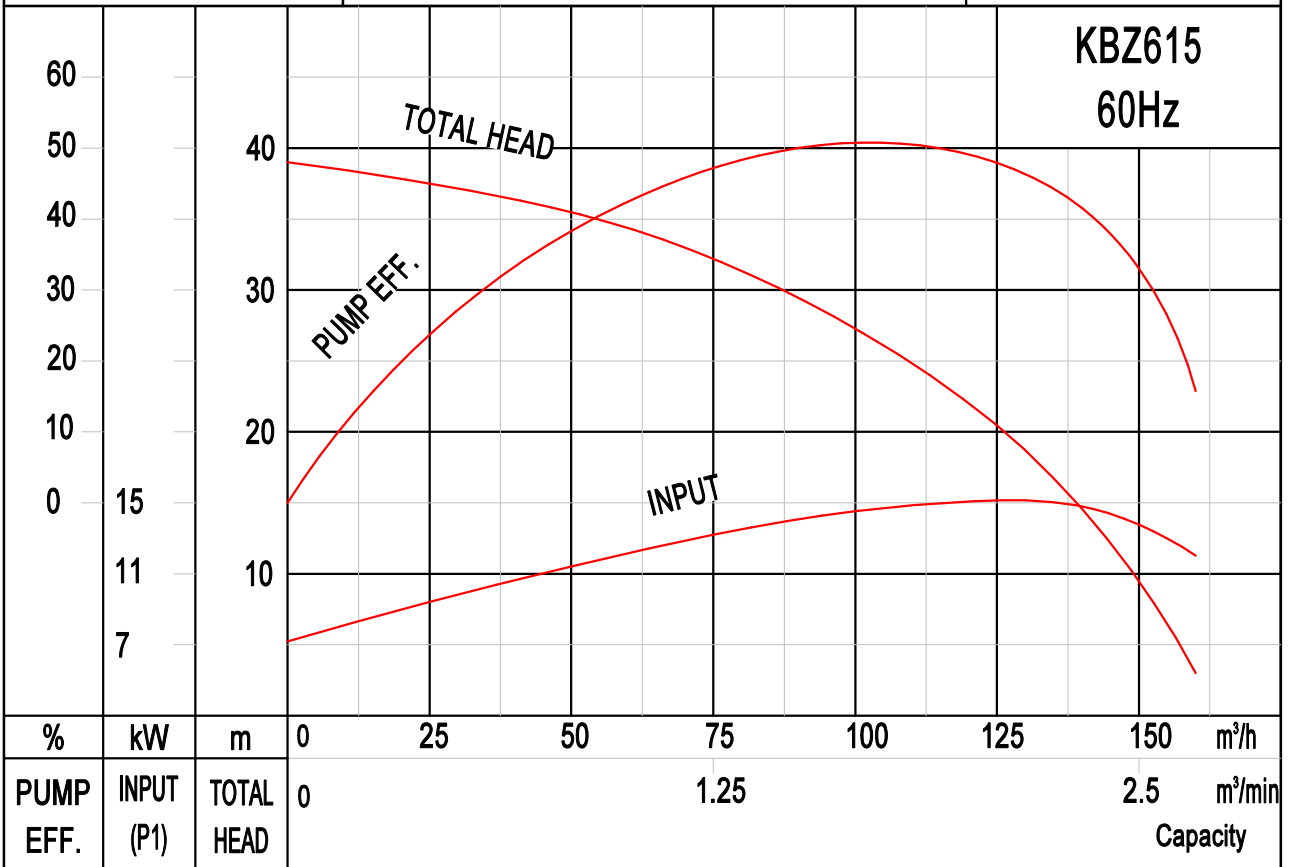
TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ415	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	100 mm		
HEAD	Max: 57 m	Rated: 42 m	
CAPACITY	Max: 1.40 m ³ /min	Rated: 1.0 m ³ /min	
MOTOR OUTPUT	15 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	25.7 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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PUMP PERFORMANCE CURVES

TYPE: SUBMERSIBLE DRAINAGE PUMP		MODEL: KBZ615	FREQUENCY: 60Hz
STANDARD SPECIFICATIONS			
DISCHARGE BORE	150 mm		
HEAD	Max: 39 m	Rated: 27 m	
CAPACITY	Max: 2.67 m ³ /min	Rated: 1.70 m ³ /min	
MOTOR OUTPUT	15 kW		
PHASE x VOLTAGE	3 Øx 460 V		
CURRENT	25.7 A		
POLES/REVOLUTION	2 P/ S.S.3450 min ⁻¹		
STARTING METHOD	Direct-on-line start		
INSULATION CLASS	F		



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