Fire Turbine Pump XBD

Vertical Long Shaft Deep Well

FEATURES AND USING LIMITS

- Flow Capacity Range: 0-1000 GPM (0-70 L/S)
- Max. Working pressure: 18.5 bar (1.85 Mpa)
- Power Range: 1.5-132 Kw
- Port DN: 50, 100, 150 mm
- Pump Case: Anti-Corrosive coated Cast Iron
- Shaft: Stainless Steel
- Impeller: Stainless Steel

- Vertical Long Shaft Deep Well Fire Turbine Pump

XBD Series

TECHNICAL DESCRIPTION

- Vertical Fire Turbine Pump is available as single and multi-stage pumping units, specifically designed for firefighting applications as per NFPA 20.
- Excellent mechanical and hydraulic design characteristics for efficient performance.
- Impeller shaft and the motor shaft are all supported by copper bearings.
-Radial run out of the shaft is controlled within 0.13mm of the US standard.
-Internal thermal protection device to prevent motor overheating caused by abnormal use.
-High quality cast iron pump head for better corrosion resistance and longer service life.
-The pump body is assembled by a new assembly Process, which has higher sealing performance and effectively reduces the noise during operation,
-High-quality accessories, high-standard, high-quality parts, more wear-resistant, longer service life, and significantly reduced failure rate.
-Available with diesel or electric drive.
- Various stainless steel materials such as ductile iron, ASTM304, 316, 416 are selected to meet various special working conditions and technical requirements of users.

APPLICATIONS

-Vertical Turbine Pump is commonly used in various types of applications, such as fire protection systems for high-rise buildings, to supply Fire hydrant, and sprinkler system.
-Suitable for moving water process in industrial plants to providing flow for cooling towers at power plants, from pumping raw water for irrigation, to boosting water pressure in municipal pumping systems, also can be used in the construction, municipal, industrial water supply, drainage and for virtually every other imaginable pumping application.

-This pump is one of the most popular types of pumps for designers, end-users, installing Contractors, and distributors.

PXBM Fire Turbine Pump with Electric Motor

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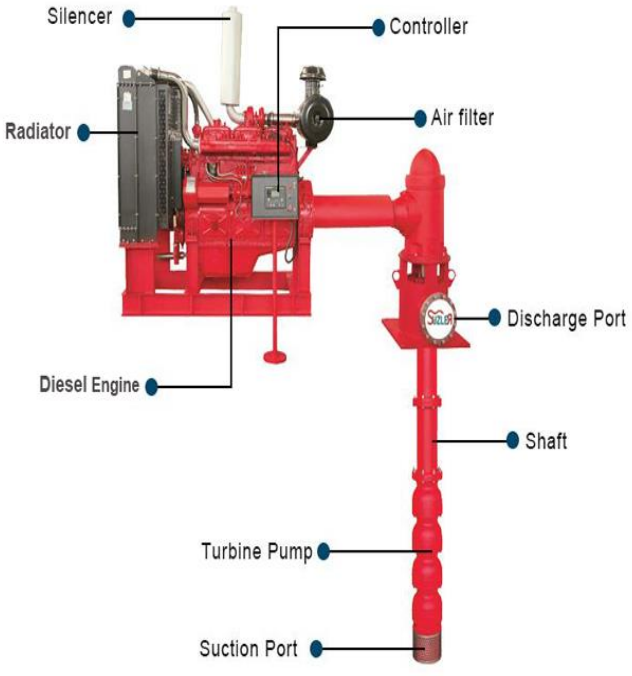
- Impeller: Stainless Steel

PXBD Fire Turbine Pump with Diesel Engine



FEATURES AND USING LIMITS

- Flow Capacity Range: 0-1000 GPM (0-70 L/S)
- Max. Working pressure: 18.5 bar (1.85 Mpa)
- Power Range: 1.5-132 Kw
- Port DN: 50, 100, 150 mm
- Pump Case: Anti-Corrosive coated Cast Iron
- Shaft: Stainless Steel
- Impeller: Stainless Steel

MODEL	Power		Flow		Head		Port
	KW	HP	L/s	m3/h	Mpa	m	mm
XBD 3.2/1WJ	1.5	2	1	3.6	0.32	32	50
XBD 4.0/1WJ	1.5	2	1	3.6	0.40	40	50
XBD 5.0/1WJ	2.2	3	1	3.6	0.50	50	50
XBD 6.0/1WJ	2.2	3	1	3.6	0.60	60	50
XBD 7.0/1WJ	3	4	1	3.6	0.70	70	50
XBD 8.0/1WJ	3	4	1	3.6	0.80	80	50
XBD 9.0/1WJ	3	4	1	3.6	0.90	90	50
XBD 10.0/1WJ	3	4	1	3.6	1.00	100	50
XBD 11.0/1WJ	4	5.5	1	3.6	1.10	110	50
XBD 12.0/1WJ	4	5.5	1	3.6	1.20	120	50
XBD 13.0/1WJ	4	5.5	1	3.6	1.30	130	50
XBD 14.0/1WJ	4	5.5	1	3.6	1.40	140	50
XBD 15.0/1WJ	5.5	7.5	1	3.6	1.50	150	50
XBD 16.0/1WJ	5.5	7.5	1	3.6	1.60	160	50
XBD 17.0/1WJ	5.5	7.5	1	3.6	1.70	170	50
XBD 3.2/3WJ	2.2	3	3	10.8	0.32	32	50
XBD 4.0/3WJ	3	4	3	10.8	0.40	40	50
XBD 5.0/3WJ	4	5.5	3	10.8	0.50	50	50
XBD 6.0/3WJ	4	5.5	3	10.8	0.60	60	50
XBD 7.0/3WJ	5.5	7.5	3	10.8	0.70	70	50
XBD 8.0/3WJ	5.5	7.5	3	10.8	0.80	80	50
XBD 9.0/3WJ	5.5	7.5	3	10.8	0.90	90	50
XBD 10.0/3WJ	7.5	10	3	10.8	1.00	100	50
XBD 12.0/3WJ	7.5	10	3	10.8	1.20	120	50
XBD 13.0/3WJ	11	15	3	10.8	1.30	130	50
XBD 15.0/3WJ	11	15	3	10.8	1.50	150	50
XBD 16.0/3WJ	15	20	3	10.8	1.60	160	50
XBD 17.0/3WJ	15	20	3	10.8	1.70	170	50
XBD 20.3/3WJ	15	20	3	10.8	2.03	203	50
XBD 3.2/5WJ	4	5.5	5	18.0	0.32	32	50
XBD 4.0/5WJ	4	5.5	5	18.0	0.40	40	50
XBD 4.5/5WJ	5.5	7.5	5	18.0	0.45	45	50
XBD 5.0/5WJ	5.5	7.5	5	18.0	0.50	50	50
XBD 5.5/5WJ	5.5	7.5	5	18.0	0.55	55	50
XBD 6.0/5WJ	5.5	7.5	5	18.0	0.60	60	50
XBD 6.5/5WJ	7.5	10	5	18.0	0.65	65	50
XBD 7.0/5WJ	7.5	10	5	18.0	0.70	70	50
XBD 7.5/5WJ	7.5	10	5	18.0	0.75	75	50
XBD 8.0/5WJ	7.5	10	5	18.0	0.80	80	50
XBD 8.5/5WJ	7.5	10	5	18.0	0.85	85	50
XBD 9.0/5WJ	11	15	5	18.0	0.90	90	50
XBD 9.5/5WJ	11	15	5	18.0	0.95	95	50
XBD 10.0/5WJ	11	15	5	18.0	1.00	100	50
XBD 11.0/5WJ	11	15	5	18.0	1.10	110	50
XBD 12.0/5WJ	15	20	5	18.0	1.20	120	50
XBD 13.0/5WJ	15	20	5	18.0	1.30	130	50
XBD 14.0/5WJ	15	20	5	18.0	1.40	140	50
XBD 15.0/5WJ	15	20	5	18.0	1.50	150	50
XBD 16.0/5WJ	18.5	25	5	18.0	1.60	160	50
XBD 18.2/5WJ	18.5	25	5	18.0	1.82	182	50
XBD 3.2/5GJ	4	5.5	5	18.0	0.32	32	50
XBD 4.0/5GJ	5.5	7.5	5	18.0	0.40	40	50
XBD 5.1/5GJ	5.5	7.5	5	18.0	0.51	51	50
XBD 5.6/5GJ	7.5	10	5	18.0	0.56	56	50
XBD 6.0/5GJ	7.5	10	5	18.0	0.60	60	50
XBD 7.0/5GJ	7.5	10	5	18.0	0.70	70	50
XBD 8.0/5GJ	11	15	5	18.0	0.80	80	50
XBD 9.8/5GJ	11	15	5	18.0	0.98	98	50
XBD 10.4/5GJ	11	15	5	18.0	1.04	104	50
XBD 11.0/5GJ	15	20	5	18.0	1.10	110	50
XBD 12.6/5GJ	15	20	5	18.0	1.26	126	50
XBD 13.0/5GJ	15	20	5	18.0	1.30	130	50
XBD 14.5/5GJ	15	20	5	18.0	1.45	145	50
XBD 16.5/5GJ	18.5	25	5	18.0	1.65	165	50
XBD 3.0/10GJ	7.5	10	10	36.0	0.30	30	100
XBD 3.9/10GJ	7.5	10	10	36.0	0.39	39	100

MODEL	Power		Flow		Head		Port
	KW	HP	L/s	m3/h	Mpa	m	mm
XBD 4.2/ 10GJ	11	15	10	36.0	0.42	42	100
XBD 5.3/ 10GJ	11	15	10	36.0	0.53	53	100
XBD 6.0/ 10GJ	11	15	10	36.0	0.60	60	100
XBD 6.7/ 10GJ	15	20	10	36.0	0.67	67	100
XBD 7.0/ 10GJ	15	20	10	36.0	0.70	70	100
XBD 8.1/ 10GJ	15	20	10	36.0	0.81	81	100
XBD 8.5/ 10GJ	15	20	10	36.0	0.85	85	100
XBD 9.1/ 10GJ	18.5	25	10	36.0	0.91	91	100
XBD 10.9/ 10GJ	18.5	25	10	36.0	1.09	109	100
XBD 11.2/ 10GJ	22	30	10	36.0	1.12	112	100
XBD 13.0/ 10GJ	22	30	10	36.0	1.30	130	100
XBD13.7/ 10GJ	22	30	10	36.0	1.37	137	100
XBD 14.3/ 10GJ	30	40	10	36.0	1.43	143	100
XBD 16.5/ 10GJ	30	40	10	36.0	1.65	165	100
XBD18.5/ 10GJ	37	50	10	36.0	1.85	185	100
XBD 4.0/ 15GJ	11	15	15	54.0	0.40	40	100
XBD 5.0/ 15GJ	15	20	15	54.0	0.50	50	100
XBD 6.0/ 15GJ	15	20	15	54.0	0.60	60	100
XBD 6.4/ 15GJ	18.5	25	15	54.0	0.64	64	100
XBD 7.0/ 15GJ	18.5	25	15	54.0	0.70	70	100
XBD 7.8/ 15GJ	18.5	25	15	54.0	0.78	78	100
XBD 8.0/ 15GJ	22	30	15	54.0	0.80	80	100
XBD 9.2/ 15GJ	22	30	15	54.0	0.92	92	100
XBD 10.0/ 15GJ	22	30	15	54.0	1.00	100	100
XBD 10.6/ 15GJ	22	30	15	54.0	1.06	106	100
XBD 11.0/ 15GJ	30	40	15	54.0	1.10	110	100
XBD 12.0/ 15GJ	37	50	15	54.0	1.20	120	100
XBD 13.4/ 15GJ	37	50	15	54.0	1.34	134	100
XBD 14.0/ 15GJ	45	60	15	54.0	1.40	140	100
XBD 14.8/ 15GJ	45	60	15	54.0	1.48	148	100
XBD 16.4/ 15GJ	45	60	15	54.0	1.64	164	100
XBD 3.4/ 20GJ	11	15	20	72.0	0.34	34	100
XBD 4.0/ 20GJ	15	20	20	72.0	0.40	40	100
XBD 4.5/ 20GJ	15	20	20	72.0	0.45	45	100
XBD 5.1/ 20GJ	18.5	25	20	72.0	0.51	51	100
XBD 5.6/ 20GJ	22	30	20	72.0	0.56	56	100
XBD 6.5/ 20GJ	22	30	20	72.0	0.65	65	100
XBD 7.0/ 20GJ	22	30	20	72.0	0.70	70	100
XBD 7.5/ 20GJ	22	30	20	72.0	0.75	75	100
XBD 8.2/ 20GJ	30	40	20	72.0	0.82	82	100
XBD 9.0/ 20GJ	30	40	20	72.0	0.90	90	100
XBD 9.4/ 20GJ	37	50	20	72.0	0.94	94	100
XBD 10.4/ 20GJ	37	50	20	72.0	1.04	104	100
XBD 11.3/ 20GJ	37	50	20	72.0	1.13	113	100
XBD 12.0/ 20GJ	37	50	20	72.0	1.20	120	100
XBD 12.7/ 20GJ	45	60	20	72.0	1.27	127	100
XBD 13.0/ 20GJ	55	75	20	72.0	1.30	130	100
XBD 13.8/ 20GJ	55	75	20	72.0	1.38	138	100
XBD 15.0/ 20GJ	75	100	20	72.0	1.50	150	100
XBD 17.0/ 20GJ	90	120	20	72.0	1.70	170	100
XBD 4.0/ 25GJ	18.5	25	25	90.0	0.40	40	100
XBD 4.6/ 25GJ	22	30	25	90.0	0.46	46	100
XBD 5.0/ 25GJ	22	30	25	90.0	0.50	50	100
XBD 6.0/ 25GJ	22	30	25	90.0	0.60	60	100
XBD 7.0/ 25GJ	30	40	25	90.0	0.70	70	100
XBD 8.0/ 25GJ	37	50	25	90.0	0.80	80	100
XBD 9.3/ 25GJ	37	50	25	90.0	0.93	93	100
XBD 10.0/ 25GJ	45	60	25	90.0	1.00	100	100
XBD 11.0/ 25GJ	45	60	25	90.0	1.10	110	100
XBD 11.6/ 25GJ	55	75	25	90.0	1.16	116	100
XBD 12.3/ 25GJ	55	75	25	90.0	1.23	123	100
XBD 14.0/ 25GJ	75	100	25	90.0	1.40	140	100
XBD 16.3/ 25GJ	90	120	25	90.0	1.63	163	100
XBD 3.2/ 30GJ	15	20	30	108.0	0.32	32	150
XBD 4.1/ 30GJ	18.5	25	30	108.0	0.41	41	150
XBD 4.7/ 30GJ	22	30	30	108.0	0.47	47	150

MODEL	Power		Flow		Head		Port
	KW	HP	L/s	m3/h	Mpa	m	mm
XBD 5.2/ 30GJ	30	40	30	108.0	0.52	52	150
XBD 6.0/ 30GJ	30	40	30	108.0	0.60	60	150
XBD 7.0/ 30GJ	37	50	30	108.0	0.70	70	150
XBD 8.0/ 30GJ	37	50	30	108.0	0.80	80	150
XBD 8.7/ 30GJ	45	60	30	108.0	0.87	87	150
XBD 9.1/ 30GJ	45	60	30	108.0	0.91	91	150
XBD 10.5/ 30GJ	55	75	30	108.0	1.05	105	150
XBD 11.3/ 30GJ	55	75	30	108.0	1.13	113	150
XBD 12.2/ 30GJ	75	100	30	108.0	1.22	122	150
XBD 13.6/ 30GJ	75	100	30	108.0	1.36	136	150
XBD 14.0/ 30GJ	90	120	30	108.0	1.40	140	150
XBD15.8/ 30GJ	110	150	30	108.0	1.58	158	150
XBD 3.2/ 35GJ	18.5	25	35	126.0	0.32	32	150
XBD 4.4/ 35GJ	22	30	35	126.0	0.44	44	150
XBD 5.2/ 35GJ	30	40	35	126.0	0.52	52	150
XBD 6.0/ 35GJ	37	50	35	126.0	0.60	60	150
XBD 6.6/ 35GJ	37	50	35	126.0	0.66	66	150
XBD 8.0/ 35GJ	45	60	35	126.0	0.80	80	150
XBD 8.8/ 35GJ	55	75	35	126.0	0.88	88	150
XBD 10.2/ 35GJ	55	75	35	126.0	1.02	102	150
XBD 11.0/ 35GJ	75	100	35	126.0	1.10	110	150
XBD 12.0/ 35GJ	75	100	35	126.0	1.20	120	150
XBD 13.5/ 35GJ	75	100	35	126.0	1.35	135	150
XBD 14.0/ 35GJ	90	120	35	126.0	1.40	140	150
XBD 3.5/ 40GJ	22	30	40	144.0	0.35	35	150
XBD 4.3/ 40GJ	30	40	40	144.0	0.43	43	150
XBD 5.0/ 40GJ	30	40	40	144.0	0.50	50	150
XBD 6.0/ 40GJ	37	50	40	144.0	0.60	60	150
XBD 7.0/ 40GJ	45	60	40	144.0	0.70	70	150
XBD 8.0/ 40GJ	55	75	40	144.0	0.80	80	150
XBD 10.0/ 40GJ	75	100	40	144.0	1.00	100	150
XBD 12.0/ 40GJ	75	100	40	144.0	1.20	120	150
XBD 13.0/ 40GJ	90	120	40	144.0	1.30	130	150
XBD 14.0/ 40GJ	90	120	40	144.0	1.40	140	150
XBD 15.8/ 40GJ	110	150	40	144.0	1.58	158	150
XBD 5.5/ 45GJ	37	50	45	162.0	0.55	55	150
XBD 6.6/ 45GJ	45	60	45	162.0	0.66	66	150
XBD 7.7/ 45GJ	55	75	45	162.0	0.77	77	150
XBD 8.8/ 45GJ	75	100	45	162.0	0.88	88	150
XBD 11.0/ 20GJ	75	100	45	162.0	1.10	110	150
XBD 13.0/ 20GJ	90	120	45	162.0	1.30	130	150
XBD 13.7/ 20GJ	110	150	45	162.0	1.37	137	150
XBD 3.6/ 50GJ	30	40	50	180.0	0.36	36	150
XBD 4.2/ 50GJ	37	50	50	180.0	0.42	42	150
XBD 5.0/ 50GJ	37	50	50	180.0	0.50	50	150
XBD 6.0/ 50GJ	45	60	50	180.0	0.60	60	150
XBD 8.0/ 50GJ	55	75	50	180.0	0.80	80	150
XBD 10.0/ 50GJ	75	100	50	180.0	1.00	100	150
XBD 12.0/ 50GJ	90	120	50	180.0	1.20	120	150
XBD 13.0/ 50GJ	110	150	50	180.0	1.30	130	150
XBD 4.2/ 60GJ	45	60	60	216.0	0.42	42	150
XBD 5.5/ 60GJ	55	75	60	216.0	0.55	55	150
XBD 6.7/ 60GJ	55	75	60	216.0	0.67	67	150
XBD 7.3/ 60GJ	75	100	60	216.0	0.73	73	150
XBD 8.1/ 60GJ	75	100	60	216.0	0.81	81	150
XBD 9.2/ 60GJ	90	120	60	216.0	0.92	92	150
XBD 10.8/ 60GJ	90	120	60	216.0	1.08	108	150
XBD 11.0/ 60GJ	110	150	60	216.0	1.10	110	150
XBD 12.2/ 60GJ	110	150	60	216.0	1.22	122	150
XBD 13.0/ 60GJ	132	180	60	216.0	1.30	130	150
XBD 5.8/ 70GJ	55	75	70	251.9	0.58	58	150
XBD 7.0/ 70GJ	75	100	70	251.9	0.70	70	150
XBD 8.2/ 70GJ	90	120	70	251.9	0.82	82	150
XBD 9.4/ 70GJ	110	150	70	251.9	0.94	94	150
XBD 9.8/ 70GJ	110	150	70	251.9	0.98	98	150
XBD 10.4/ 70GJ	132	180	70	251.9	1.04	104	150