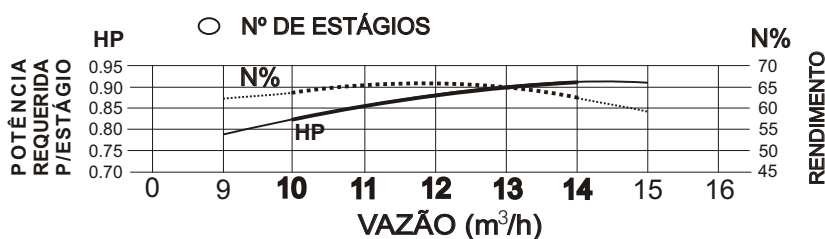
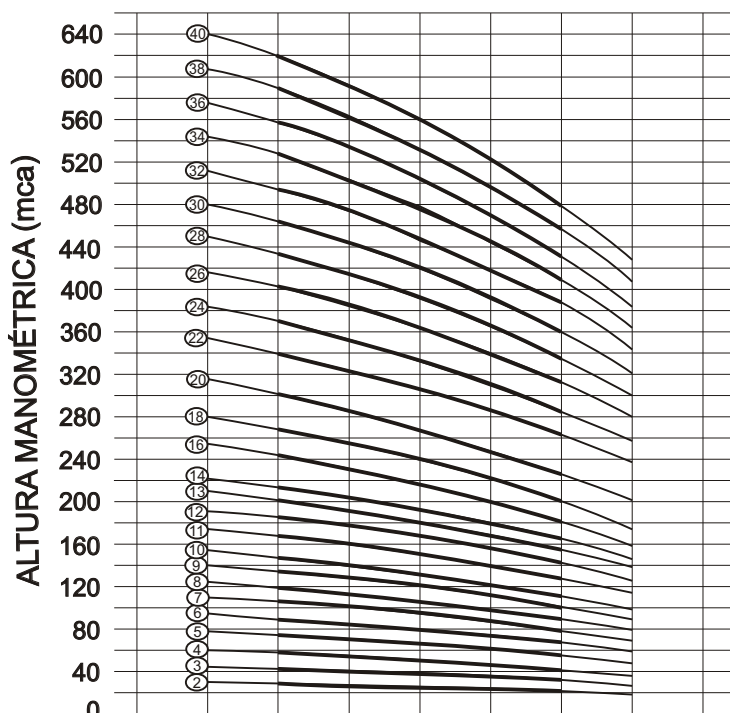




**BOMBAS VANBRO LTDA**  
 SAPUCAIA DO SUL - RS  
 BRASIL

**BOMBA SUBMERSA MODELO VBOP63**  
 APLICAÇÃO: POÇOS TUBULARES A PARTIR DE Ø6"  
 (DIÂM.140mm 60HZ 3450 RPM)  
**CURVAS DE DESEMPENHO**



MODELO	MOTOR	E	HP	VAZÃO E ALTURA MANOMÉTRICA												m³/h
				0	9	10	11	12	13	14	15	16				
VBOP.63X.02.020.Y	VMUP	2	2.0	33.8	30.4	28.7	27.3	25.6	23.1	20.5	17.9	14.9	EM METROS			
VBOP.63X.03.025.Y	VMUP	3	2.5	50.9	45.1	42.9	40.7	38.2	34.5	30.8	27.1	22.9				
VBOP.63X.04.035.Y	VMUP	4	3.5	68.1	60.7	57.9	55.1	51.7	46.7	42.0	36.8	31.4				
VBOP.63X.05.045.Y	VMUP	5	4.5	86.5	77.7	74.5	70.9	66.5	60.7	54.9	48.5	41.5				
VBOP.63X.06.055.Y	VMUP	6	5.5	103.4	93.0	89.6	85.3	80.0	73.5	66.8	59.2	50.0				
VBOP.63X.07.065.Y	VMUP	7	6.5	122.3	109.8	105.2	100.7	94.7	86.5	78.4	70.1	59.4				
VBOP.63X.08.070.Y	VMUP	8	7.0	138.6	124.4	118.8	114.1	107.6	97.9	88.5	79.6	67.6				
VBOP.63X.09.080.Y	VMUP	9	8.0	154.1	139.9	134.2	128.5	120.2	111.0	100.6	89.7	76.0				
VBOP.63X.10.090.Y	VMUP	10	9.0	169.0	153.0	146.5	140.0	131.0	121.3	109.5	98.0	83.0				
VBOP.63X.11.100.Y	VMUP	11	10.0	193.4	174.4	167.9	160.6	150.5	139.6	127.2	113.7	96.2				
VBOP.63X.12.110.Y	VMUP	12	11.0	212.9	192.1	186.1	178.0	166.7	155.2	142.4	127.1	107.5				
VBOP.63X.13.120.Y	VMUP	13	12.0	226.7	208.6	201.1	191.9	180.9	168.2	154.5	137.7	120.5				
VBOP.63X.14.130.Y	VMUP	14	13.0	239.0	222.0	214.0	204.0	193.0	179.0	164.5	146.5	128.3				
VBOP.63X.16.150.Y	VMUP	16	15.0	273.8	253.0	244.5	230.9	215.1	199.2	181.3	159.0	139.3				
VBOP.63X.18.160.Y	VMUP	18	16.0	303.5	280.2	271.1	255.9	239.1	222.4	201.0	175.4	153.4				
VBOP.63X.20.180.Y	VMSP	20	18.0	329.0	314.0	301.0	286.0	268.0	247.5	226.0	202.0	178.0				
VBOP.63X.22.200.Y	VMSP	22	20.0	375.6	354.2	340.1	322.9	306.1	286.0	263.0	238.1	211.9				
VBOP.63X.24.225.Y	VMSP	24	22.5	400.3	382.9	372.6	354.0	333.4	310.0	284.0	258.0	226.3				
VBOP.63X.26.250.Y	VMSP	26	25.0	444.0	416.5	404.0	384.5	364.0	340.0	312.0	279.5	244.0				
VBOP.63X.28.275.Y	VMSP	28	27.5	470.4	447.9	434.0	415.3	392.3	365.6	335.5	300.2	262.4				
VBOP.63X.30.275.Y	VMSP	30	27.5	504.0	479.9	465.0	445.0	420.3	391.7	359.5	321.6	281.1				
VBOP.63X.32.300.Y	VMSP	32	30.0	537.6	511.9	496.0	474.6	448.3	417.8	388.6	343.1	299.9				
VBOP.63X.34.325.Y	VMSP	34	32.5	571.2	543.9	527.0	504.3	476.4	443.9	407.4	364.5	318.6				
VBOP.63X.36.325.Y	VMSP	36	32.5	604.8	575.9	558.0	533.9	504.4	470.1	431.4	386.0	337.4				
VBOP.63X.38.350.Y	VMSP	38	35.0	638.4	607.9	589.0	563.6	532.4	496.2	455.3	407.4	356.1				
VBOP.63X.40.375.Y	VMSP	40	37.5	672.0	639.8	620.0	593.3	560.4	522.3	479.3	428.8	374.8				

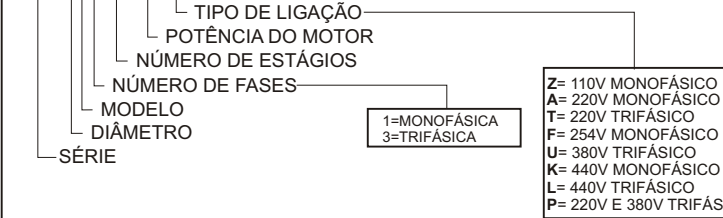


**BOMBAS VANBRO LTDA**  
SAPUCAIA DO SUL - RS  
BRASIL

**BOMBA SUBMERSA MODELO VBOP63**  
APLICAÇÃO: POÇOS TUBULARES A PARTIR DE Ø6"  
(DIÂM.140mm 60HZ 3450 RPM)  
**ESPECIFICAÇÕES DIMENSIONAIS**

**COMO ESTABELECE O CÓDIGO DA BOMBA**

**VBOP.63X.08.070.Y**



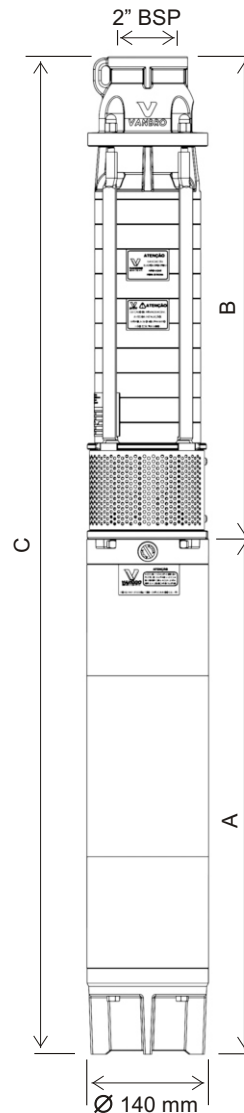
**NOTA:**  
SUBSTITUA X-Y PELOS VALORES DAS TABELAS CONFORME AS CARACTERÍSTICAS DA SUA BOMBA.  
**EXEMPLO:** SE A BOMBA FOR TRIFÁSICA 7,0 HP 8 ESTÁGIOS 220V E 380V:  
SUBSTITUA X POR 3 E Y POR P, E TERÁ:  
VBOP.633.08.070.P

**BOMBAS MONOFÁSICAS**

MODELO	E	HP	EM mm			PESO (Kg)
			A	B	C	
VBOP.631.02.020.Y	2	2.0	493	365	858	39.1
VBOP.631.03.025.Y	3	2.5	533	398	931	45.0
VBOP.631.04.035.Y	4	3.5	593	432	1025	52.2
VBOP.631.05.045.Y	5	4.5	623	466	1089	56.8
VBOP.631.06.055.Y	6	5.5	673	500	1173	63.7
VBOP.631.07.065.Y	7	6.5	673	534	1207	65.1
VBOP.631.08.070.Y	8	7.0	733	567	1300	71.9
VBOP.631.09.080.Y	9	8.0	733	601	1334	73.4
VBOP.631.10.090.Y	10	9.0	793	635	1428	81.3
VBOP.631.11.100.Y	11	10.0	793	669	1462	82.7
VBOP.631.12.110.Y	12	11.0	893	703	1596	93.8
VBOP.631.13.120.Y	13	12.0	893	737	1630	95.2

**BOMBAS TRIFÁSICAS**

MODELO	E	HP	EM mm			PESO (Kg)
			A	B	C	
VBOP.633.02.020.Y	2	2.0	493	365	858	39.1
VBOP.633.03.025.Y	3	2.5	493	398	891	40.5
VBOP.633.04.035.Y	4	3.5	533	432	965	46.4
VBOP.633.05.045.Y	5	4.5	593	466	1059	53.8
VBOP.633.06.055.Y	6	5.5	593	500	1093	55.2
VBOP.633.07.065.Y	7	6.5	623	534	1157	59.6
VBOP.633.08.070.Y	8	7.0	623	567	1190	61.0
VBOP.633.09.080.Y	9	8.0	673	601	1274	67.9
VBOP.633.10.090.Y	10	9.0	673	635	1308	69.3
VBOP.633.11.100.Y	11	10.0	733	669	1402	76.2
VBOP.633.12.110.Y	12	11.0	733	703	1436	77.6
VBOP.633.13.120.Y	13	12.0	793	737	1530	85.5
VBOP.633.14.130.Y	14	13.0	793	771	1564	86.9
VBOP.633.16.150.Y	16	15.0	893	838	1731	99.4
VBOP.633.18.160.Y	18	16.0	893	906	1799	102.2
VBOP.633.20.180.Y	20	18.0	963	973	1936	112.9
VBOP.633.22.200.Y	22	20.0	993	1041	2034	118.7
VBOP.633.24.225.Y	24	22.5	1043	1008	2051	126.4
VBOP.633.26.250.Y	26	25.0	1043	1176	2219	129.2
VBOP.633.28.275.Y	28	27.5	1093	1243	2336	137.0
VBOP.633.30.275.Y	30	27.5	1093	1310	2403	139.8
VBOP.633.32.300.Y	32	30.0	1093	1377	2470	142.6
VBOP.633.34.325.Y	34	32.5	1143	1444	2587	150.4
VBOP.633.36.325.Y	36	32.5	1143	1511	2654	153.2
VBOP.633.38.350.Y	38	35.0	1143	1578	2721	156.0
VBOP.633.40.375.Y	40	37.5	1193	1645	2838	163.8



**ÍTEMS PARA ESPECIFICAÇÃO DO EQUIPAMENTO**

VAZÃO DESEJADA  
ALTURA MANOMÉTRICA TOTAL  
TENSÃO-FREQÜÊNCIA-Nº FASES  
DIÂMETRO DO POÇO

**PARÂMETROS DE QUALIDADE DA ÁGUA:**  
PH: 6.5 A 8  
QUANTIDADE MÁXIMA AREIA: 30 g/m<sup>3</sup>  
DIÂMETRO MÁXIMO GRÃO: 0.20 mm  
TEMPERATURA MÁXIMA: 40°C

**OBSERVAÇÃO:**

BOMBAS C/ CARACTERÍSTICAS ESPECIAIS  
CONSULTAR DEPTO TÉCNICO DA VANBRO

EMISSÃO  
01  
DATA:  
01 / 2016