

SERFILCO® (60 Hz PUMP / MOTOR ASSEMBLIES)

EDUCTOR SIZING

TECHNICAL
BULLETIN
TA-111
AUG. 2000

A minimum inlet pressure of 10 psi and a maximum of 100 psi is recommended when using eductors (see Operating Instructions O-1660).

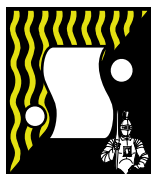
Approximate maximum number of eductors is based on 26 ft. TDH at the eductor.

PUMP / MOTOR MODEL NUMBER	FLOW GPM @ 26 ft. TDH	MAXIMUM NO. OF EDUCTOR NOZZLES			
		3/8"	3/4"	1"	1-1/2"
VERTICAL PUMPS					
SERIES 'EO'					
EO1PPV1-C.3	19	2	1	0	0
EO1PPV3-C.75	34	4	2	1	1
EO1¼PPV4-D1.0	60	7	4	3	2
EO1¼PPV5-D1.5	83	10	6	4	2
SERIES 'EH'					
EH1½ 5SC-H1.5	55	7	4	3	2
EH1½ 1SC-D1.5	95	13	7	4	3
EH1½ 2SC-D2.0	110	14 - 15	8	5	3
EH1½ 3SC-D3.0	130	17	10	6	4
EH1½ 4SC-D5.0	160	21	12	8	5
SERIES 'EHM'					
EHM1½ 1SC-D7.5	180 @ 70'	24	13	9	5
EHM1½ 2SC-D10.0	200 @ 80'	27	15	10	6
EHM2 4SC-D10.0	320 @ 52'	43	24	15	10
EHM2 5SC-D15.0	400 @ 80'	53	30	19	12
SERIES 'HB'					
HB1½ CE5-H1.0	40	5	3	2	1
HB1½ CE1-D1.5	80	10	6	4	2
HB1½ CE2-D2.0	100	13	7	5	3
HB1½ CE3-D3.0	120 @ 35'	16	9	6	4
HB1½ CE4-D5.0	130 @ 55'	17	10	6	4
HB1½ CE5--D7.5	140 @ 63'	19	10	7	4
SERIES 'B'					
	125	17	9	6	4
B1½ x 1SCEY-H2.0	150	20	11	7	5
B1½ x 2SCEY-H3.0	175	23	13	8	5
B1½ x 3SCEY-H5.0	240	32	18	11	7
B2 x 4SCEY-H5.0	300	40	22	14	9
B2 x 5SCEY-H7.5	360 @ 38'	48	27	17	11
B2 x 6SCEY-H10.0					

See page 2 for horizontal pumps.

PUMP / MOTOR MODEL NUMBER	FLOW GPM @ 26 ft. TDH	MAXIMUM NO. OF EDUCTOR NOZZLES			
		3/8"	3/4"	1"	1-1/2"
MECHANICAL SEAL HORIZONTAL PUMPS					
SERIES 'HC'					
HC1 x 3/4 CK1V (M2)-C.3	8	1	0	0	0
HC1 x 3/4 CK2V (M2)-C.75	27	4	2	1	1
HK1 1/2 x 1 1/2 CK3V (M2)-C1.0	38	5	3	2	1
HK1 1/2 x 1 1/2 CK4V (M2)-C1.5	53	7	4	3	2
SERIES 'HE'					
H2 x 1 1/2 CE1 (M1)-D1.5	90	12	7	4	3
H2 x 1 1/2 CE2 (M2)-D2.0	110	15	8	5	3
H2 x 1 1/2 CE3 (M2)-D3.0	120 @ 35'	16	9	6	4
H2 x 1 1/2 CE4V (M2)-D5.0	130 @ 65'	17	10	6	4
H2 x 1 1/2 CE5V (M2)-D7.5	160 @ 80'	21	12	8	5
H2 x 1 1/2 CE6V (M2)-H1.0	60	8	4	3	2
SERIES 'H'					
H3 x 2 x 5 1/2 CV (M8)-D10.0	325	43	24	15	10
H3 x 2 x 6 1/4 CV (M8)-D15.0	375 @ 45'	50	28	18	11
H3 x 2 x 7 1/2 CV (M8)-H5.0	150	20	11	7	5
H4 x 3 x 8 CV (M8)-H7.5	300	40	22	14	9
H4 x 3 x 9 CV (M8)-H10.0	355 @ 40'	47	26	17	11
H6 x 4F x 8 CTV (M8)-H15.0	800 @ 30'	106	59	38	24
H6 x 4F x 9 CTV (M8)-H20.0	1000 @ 30'	133	74	48	30
H6 x 4F x 9 1/2 CTV (M8)-H25.0	1100 @ 30'	147	81	52	33
H6 x 4F x 10 CTV (M8)-H30.0	1250 @ 30'	167	93	60	38
MAGNETIC COUPLED SEAL-LESS HORIZONTAL PUMPS					
SERIES 'X'					
X200PV 1H CRA-C.2	17	2	1	0	0
X250PV 1H CRA-C.3	24	3	2	1	0
SERIES 'M'					
1 x 3/4 MPVCR1A-C.5	25	3	2	1	0
1 1/2 x 1 MPVCR2A-C.75	49	6	3	2	1
1 1/2 x 1 MPVCR3B-C1.0	62	8	4	3	2
SERIES 'F'					
1 1/2 x 1 1/4 MPGC2-C.75	60	8	4	3	2
1 1/2 x 1 1/4 MPGC3-D1.5	76	10	5	3	2
1 1/2 x 1 1/4 MPGC4-D2.0	87	11	6	4	2
1 1/2 x 1 1/4 MPGC5-D3.0	97	13	7	4	3
2 x 2 MPGC6-D3.0	140	18	10	6	4
2 x 2 MPGC7-D5.0	158	21	12	7	5
2 x 2 MPGC8-D5.0	180	24	13	8	5
2 x 2 MPGC9-D7.5	215	28	16	10	6

Specifications subject to change without notice.



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