

# IN-LINE CENTRIFUGAL PUMPS

# 3E

## SELECTION CHART

50Hz

Rev.0

### SELECTION CHART 50Hz 2 POLE

#### 3E SERIES : 32 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	25	50	70	75	100	125	150
					0	1.5	3	4.2	4.5	6	7.5	9
32-125/0.37	0.37	0.5	1.0		14.6	14.3	13.7	13.1	—	—	—	—
32-125/0.55	0.55	0.75	1.0		17.2	17	16.7	16.4	16.3	15.6	14.8	13.7
32-125/0.75	0.75	1	1.0		24.9	24.7	23.9	22.8	22.4	20.5	18.3	15.7

#### 3E SERIES : 40 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	100	150	200	230	250	300	400	450
					0	6	9	12	13.8	15	18	24	27
40-160/1.1	1.1	1.5	1.6		21.5	20.4	18.9	16.9	15.4	14.4	11.3	—	—
40-160/1.5	1.5	2	1.6		28.6	27.2	25.9	24.1	22.8	—	—	—	—
40-160/2.2	2.2	3	1.6		35.2	34.5	33.2	31.4	30.2	29.2	26.6	—	—
40-200/3.0	3	4	1.6		43.1	41.8	39.8	37.4	36	34.9	32.2	—	—
40-200/4.0	4	5.5	1.6		51.1	49.9	47.9	45.4	43.8	42.7	39.8	—	—
40-200/7.5	7.5	10	1.6		65.5	65.5	63.3	60.5	58.7	57.4	54.2	47.4	43.3

#### 3E SERIES : 50 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	200	250	300	350	400	450	500	640	650	750	800
					0	12	15	18	21	24	27	30	38.4	39	45	48
50-100/0.37	0.37	0.5	1.0		7.8	6.8	5.8	4.3	—	—	—	—	—	—	—	—
50-100/0.55	0.55	0.75	1.0		11.3	10.3	9.1	—	—	—	—	—	—	—	—	—
50-100/0.75	0.75	1	1.0		14.7	13.3	12	—	—	—	—	—	—	—	—	—
50-125/1.5	1.5	2	1.6		18.1	18.1	17.6	16.9	16.1	15.1	—	—	—	—	—	—
50-125/2.2	2.2	3	1.6		24.6	24.4	24	23.4	22.7	21.8	20.8	—	—	—	—	—
50-160/3.0	3	4	1.6		29.1	27.7	27	26.2	25.2	24.2	23	21.8	17.6	—	—	—
50-160/4.0	4	5.5	1.6		37	35.8	35.1	34.3	33.4	32.4	31.3	30.1	26.4	26.1	—	—
50-200/5.5	5.5	7.5	1.6		43.5	42.4	41.9	41.2	40.5	39.6	38.7	37.6	34	33.7	—	—
50-200/7.5	7.5	10	1.6		53.4	51.7	51.1	50.6	50	49.3	48.6	47.7	44.3	43.9	40	—
50-200/11	11	15	1.6		67.2	65.6	65.1	64.6	63.9	63.2	62.4	61.5	58	57.7	54	51.6

#### 3E SERIES : 65 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	100	200	300	400	450	500	600	900	1000	1100
					0	6	12	18	24	27	30	36	54	60	66
65-100/0.55	0.55	0.75	1.0		9.5	9.2	8.6	7.7	—	—	—	—	—	—	—
65-100/0.75	0.75	1	1.0		11.1	10.8	10.3	9.5	8.4	7.7	—	—	—	—	—
65-100/1.1	1.1	1.5	1.0		14.3	13.8	13.5	13	12.2	11.6	11	9.4	—	—	—
65-100/1.5	1.5	2	1.0		18.1	17.2	17	16.1	16.5	16.2	—	—	—	—	—
65-200/9.2	9.2	12.5	1.6		48.7	—	—	—	47.4	46.8	46.1	44.6	37.7	34.8	—
65-200/11	11	15	1.6		54.1	—	—	—	52.9	52.3	51.6	50	43.4	40.5	37.3
65-200/15	15	20	1.6		69.2	—	—	—	68.3	67.8	67.1	65.7	59.5	56.7	53.5

#### 3E SERIES : 80 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	600	700	850	1000	1100	1300	1600	1900	2000	2100
					0	36	42	51	60	66	78	96	114	120	126
80-100/1.5	1.5	2	1.0		12.4	9.9	9.2	7.9	—	—	—	—	—	—	—
80-100/2.2	2.2	3	1.0		14.4	13	12.6	11.6	10.4	—	—	—	—	—	—
80-160/9.2	9.2	12.5	1.6		33.6	32.4	32	31.1	30	29.1	26.9	22.5	16.7	14.4	12
80-160/11	11	15	1.6		37.9	36.9	36.4	35.6	34.6	33.8	31.9	28	22.8	20.7	18.4
80-160/15	15	20	1.6		43	42	41.5	40.7	39.7	38.9	37.1	33.6	29.2	27.5	25.6
80-200/18.5	18.5	25	1.6		55.4	54.3	53.4	51.9	50.1	48.7	45.8	40.6	34.3	31.9	29.2
80-200/22	22	30	1.6		62.8	61.3	60.6	59.4	57.9	56.8	54	48.9	42.7	40.4	38.1

#### 3E SERIES : 100 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min m <sup>3</sup> /h	0	1300	1500	1700	1900	2100	2500	3000	3200	3400	3600
					0	78	90	102	114	126	150	180	192	204	216
100-160/11	11	15	1.6		28.6	25.2	24.5	23.8	23.1	22.3	20.4	16.4	14.1	—	—
100-160/15	15	20	1.6		32.9	30.9	30.2	29.6	29.1	28.4	26.1	19.7	15.1	8.9	—
100-160/18.5	18.5	25	1.6		37	35.5	35	34.5	33.9	33.1	31	27	24.7	22	18.7

### SELECTION CHART 50Hz 4 POLE

#### 3E SERIES : 40 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min	0	50	100	150	170	175
				m <sup>3</sup> /h	0	3	6	9	10.2	10.5
40-200/0.55	0.55	0.75	1.6		12.6	12	11.1	9.8	9.1	—
40-200/0.75	0.75	1	1.6		16.2	15.9	14.8	13.1	12.2	12

#### 3E SERIES : 50 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min	0	100	150	200	250	300	400	450
				m <sup>3</sup> /h	0	6	9	12	15	18	24	27
50-125/0.37	0.37	0.75	1.6		6	6.1	5.9	5.5	4.9	4.2	2.5	1.5
50-200/0.75	0.75	1	1.6		10.4	10.1	9.8	9.4	8.9	8.3	6.5	5.2
50-200/1.1	1.1	1.5	1.6		13	12.6	12.4	12	11.5	10.9	9.3	8.6
50-200/1.5	1.5	2	1.6		16.4	15.8	15.5	15.2	14.7	14.1	12.3	11.1

#### 3E SERIES : 65 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min	0	200	250	300	350	400	500	600	700	750	800
				m <sup>3</sup> /h	0	12	15	18	21	24	30	36	42	45	48
65-160/0.75	0.75	1	1.6		7.3	7.2	7	6.8	6.4	6.1	5.1	3.9	2.6	1.9	—
65-160/1.1	1.1	1.5	1.6		8.8	8.7	8.5	8.3	8	7.6	6.7	5.5	4	3.1	2

#### 3E SERIES : 80 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min	0	350	500	600	800	950	1000	1050	1100	1200
				m <sup>3</sup> /h	0	21	30	36	48	57	60	63	66	72
80-200/2.2	2.2	3	1.6		14.2	13.8	13	12.3	10.5	8.7	—	—	—	—
80-200/3.0	3	4	1.6		15.9	15.2	14.5	13.9	12.1	10.5	9.8	9.2	8.5	7.1

#### 3E SERIES : 100 SIZE

Pump type	kW	HP	Max. working pressure (MPa)	l/min	0	600	800	950	1000	1050	1100	1200	1300	1400	1600	1800
				m <sup>3</sup> /h	0	36	48	57	60	63	66	72	78	84	96	108
100-160/1.5	1.5	2	1.6		7.7	6.9	6.7	6.5	6.4	6.3	6.1	5.8	5.4	5	—	—
100-160/2.2	2.2	3	1.6		9.6	9	8.8	8.6	8.5	8.4	8.2	8	7.6	7.2	6.2	5