

End suction centrifugal pumps in accordance with EN 733 (ex DIN 24255) made of stainless steel **AISI 304** (3 series) and **AISI 316L** (3L series), applications include water boosting, heating systems, air-conditioning, washing systems and many other industrial applications. WRAS approved pumps are available upon request.



SPECIFICATIONS

- Maximum working pressure: 10 bar
- Liquid temperature: from -10°C to $+110^{\circ}\text{C}$
- 110°C for H version

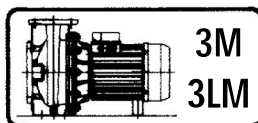
MATERIALS

- Pump body, impeller, casing cover and shaft in AISI 304 (3 series), in AISI 316L (3L series)
- Mechanical seal in carbon/ceramic/NBR for standard version (3 series), in SiC/SiC/FPM (3L series)
- Mechanical seal in carbon/ceramic/Viton for H version
- Mechanical seal on SiC/SiC/FPM for HS version

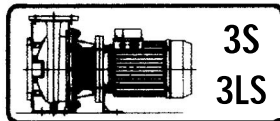
TECHNICAL DATA

- Asynchronous 2 and 4 poles motor
- Insulation class F
- Protection degree IP55
- $1\sim 230\pm 10\%$
- $3\sim 230/400\text{V} \pm 10\%$ 50Hz up to 4kW included, 400/690V $\pm 10\%$ above
- Thermal protection to be provided by the user

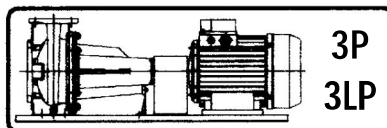
Available in 4 different versions, 2 and 4 poles



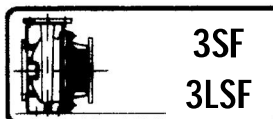
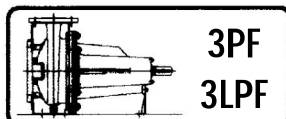
monobloc with extended motor shaft



monobloc with standard motor and flexible coupling



on basement with standard motor and flexible coupling

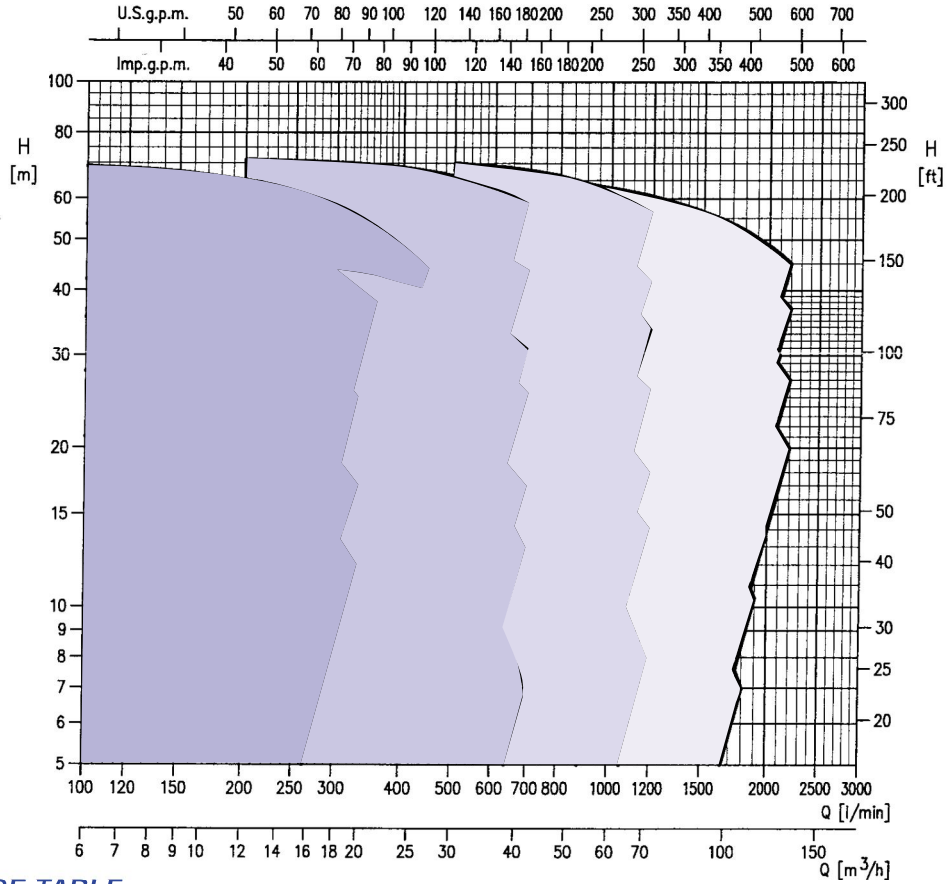


bare shaft pump

3-3L SERIES

CENTRIFUGAL PUMPS according EN 733 (ex DIN 24255) STANDARD

PERFORMANCE CHART at 2900 min⁻¹ (according to ISO 9906 Annex A)

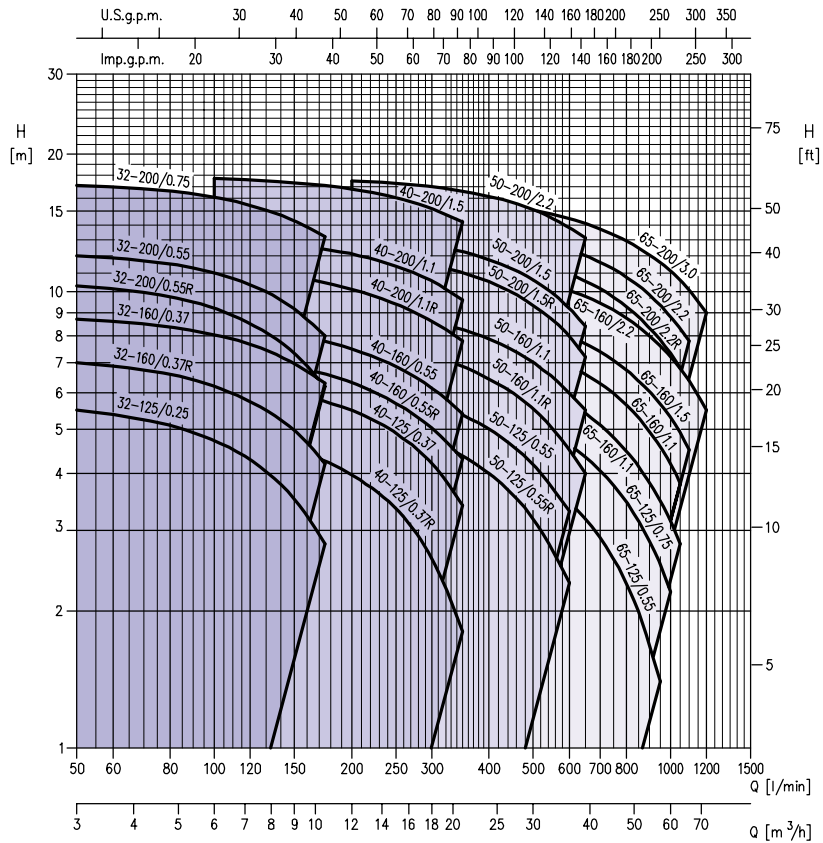


PERFORMANCE TABLE

Pump type 3(L)M	kW	HP	Absorbed Current (A)			l/min m³/h	Q=Capacity																		
			Three-phase				H=Total head																		
			230V	400V	690V		0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200	1500	1800	1900	2000
32-125/1.1 (M)	1,1	-	5.0	2.9	-	22,5	21	19,9	18,4	14,1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-160/1.5 (M)	1,5	-	5,9	3,4	-	29,5	28	26,5	24,5	19,2	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-160/2.2 (M)	2,2	-	8,3	4,8	-	37	35,5	34	32	27	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/3.0	3,0	-	11,8	6,8	-	44	42	40	37,5	31	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/4.0	4,0	-	15,6	9,0	-	55	53,5	52	49,5	43,5	40,5	38	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/5.5	5,5	-	-	11,8	6,8	70,5	69	67,5	65	58,3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/7.5	7,5	10	-	-	-	70,5	69	67,5	65	58,3	55,5	53	49	44	-	-	-	-	-	-	-	-	-	-	-
40-125/1.5 (M)	1,5	-	5,9	3,4	-	20	-	-	19	17,6	17	16,5	15,7	14,5	13,2	10,3	7	-	-	-	-	-	-	-	-
40-125/2.2 (M)	2,2	-	8,3	4,8	-	26,5	-	-	25,5	24	23,5	23	22	21	19,5	16,4	13	-	-	-	-	-	-	-	-
40-160/3.0	3,0	-	11,8	6,8	-	31	-	-	29,5	27,5	27	26,5	25,5	24	22,5	20	17	-	-	-	-	-	-	-	-
40-160/4.0	4,0	-	15,9	9,2	-	40	-	-	38,5	37	36	35,5	34,5	33	32	29	25,5	-	-	-	-	-	-	-	-
40-200/5.5	5,5	-	-	11,1	6,4	47	-	-	45,5	44	43	42,5	41	39,5	38	35	31	-	-	-	-	-	-	-	-
40-200/7.5	7,5	-	-	15,1	8,7	58	-	-	57	55,5	55	54,5	53,5	52,5	51	47,5	44	-	-	-	-	-	-	-	-
40-200/11	11	-	-	20,0	11,6	72	-	-	71	70	70	69,5	68,5	67,5	66	63	59	-	-	-	-	-	-	-	-
50-125/2.2 (M)	2,2	-	8,3	4,8	-	19	-	-	-	-	-	17,5	17	16,3	14,9	13,4	11,7	8	-	-	-	-	-	-	-
50-125/3.0	3,0	-	11,8	6,8	-	22	-	-	-	-	-	20,5	20	19,6	18,4	17	15,4	11,8	8	-	-	-	-	-	-
50-125/4.0	4,0	-	15,9	9,2	-	26,5	-	-	-	-	-	26	25,5	25	24	22,5	21,5	17,9	14	-	-	-	-	-	-
50-160/5.5	5,5	-	-	11,5	6,6	33	-	-	-	-	-	31	30,5	30	28,5	27	25,5	22	18	-	-	-	-	-	-
50-160/7.5	7,5	-	-	15,5	9,0	40	-	-	-	-	-	38,5	38	37,5	36	35	33,5	30	26	-	-	-	-	-	-
50-200/9.2	9,2	-	-	17,4	10,0	53	-	-	-	-	-	-	-	50	49	47,5	45,5	40,5	34	-	-	-	-	-	-
50-200/11	11	-	-	22,0	12,7	59	-	-	-	-	-	-	-	56	55	54	52	48	42	-	-	-	-	-	-
50-200/15	15	-	-	31,3	18,0	72	-	-	-	-	-	-	-	70	69	68	66	62	57	-	-	-	-	-	-
65-125/4.0	4	5,5	-	-	-	22,5	-	-	-	-	-	-	-	-	20	19,4	18,5	16,5	14,3	10,7	7	-	-	-	-
65-125/5.5	5,5	7,5	-	-	-	27	-	-	-	-	-	-	-	25	24,5	23,5	21,5	19,1	15,5	11,7	10,4	-	-	-	-
65-125/7.5	7,5	10	-	-	-	32	-	-	-	-	-	-	-	30,5	29,5	29	27	24,5	21	16,8	15,4	14	-	-	-
65-160/7.5	7,5	10	-	-	-	32	-	-	-	-	-	-	-	30	29	27	25,5	21,5	17,5	16	14,5	-	-	-	-
65-160/9.2	9,2	12,5	-	-	-	36,5	-	-	-	-	-	-	-	34,5	34	32	29,5	26	21,5	20	18,6	17	-	-	-
65-160/11	11	15	-	-	-	40,5	-	-	-	-	-	-	-	38,5	38	36	34	30,5	26	24,5	23	21,5	20	-	-
65-160/15	15	20	-	-	-	48	-	-	-	-	-	-	-	45,5	45	43	41	37,5	33,5	32	30,5	29	27	-	-
65-200/15	15	20	-	-	-	54	-	-	-	-	-	-	-	51	50	48	45,5	41	36	34	32	30	-	-	
65-200/18.5	18,5	25	-	-	-	60,5	-	-	-	-	-	-	-	58,5	57,5	55,5	53	49	44	42,5	40,5	39	37	-	-
65-200/22	22	30	-	-	-	67	-	-	-	-	-	-	-	65,5	65	63	60,5	56,5	52	50,5	48,5	47	45	-	-

(M) Single-phase

PERFORMANCE CHART at 1450 min⁻¹ (according to ISO 9906 Annex A)



PERFORMANCE TABLE

Pump Type	kW	HP	Q= Capacity																
			50	100	160	200	250	300	350	400	500	600	650	800	950	1000	1050	1100	1200
3M			3	6	9.6	12	15	18	21	24	30	36	39	48	57	60	63	66	72
32-125/0.25	0.25	0.33	5.6	4.9	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-160/0.37R	0.37	0.5	7.2	6.3	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-160/0.37	0.37	0.5	8.7	8	6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/0.55R	0.55	0.75	10.5	9.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/0.55	0.55	0.75	12	11	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32-200/0.75	0.75	1	17.3	16.5	14.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40-125/0.37R	0.37	0.5	-	4.5	4	3.6	3	2.3	1.5	-	-	-	-	-	-	-	-	-	-
40-125/0.37	0.37	0.5	-	6.2	5.7	5.2	4.6	3.8	3	-	-	-	-	-	-	-	-	-	-
40-160/0.55R	0.55	0.75	-	7.2	6.7	6.3	5.7	5	4.3	-	-	-	-	-	-	-	-	-	-
40-160/0.55	0.55	0.75	-	8.5	7.9	7.5	6.9	6.2	5.4	-	-	-	-	-	-	-	-	-	-
40-200/1.1R	1.1	1.5	-	11	10.5	10.1	9.6	9	8.3	-	-	-	-	-	-	-	-	-	-
40-200/1.1	1.1	1.5	-	12.7	12.3	11.9	11.2	10.4	9.4	-	-	-	-	-	-	-	-	-	-
40-200/1.5	1.5	2	-	17.8	17.4	16.9	16.2	15.3	14.2	-	-	-	-	-	-	-	-	-	-
50-125/0.55R	0.55	0.75	-	-	-	4.9	4.7	4.4	4.2	3.8	3	2	-	-	-	-	-	-	-
50-125/0.55	0.55	0.75	-	-	-	5.8	5.6	5.4	5.2	4.9	4.1	3.2	-	-	-	-	-	-	-
50-160/1.1R	1.1	1.5	-	-	-	7.7	7.5	7.2	6.9	6.5	5.6	4.5	-	-	-	-	-	-	-
50-160/1.1	1.1	1.5	-	-	-	9	8.8	8.5	8.2	7.8	6.9	5.8	-	-	-	-	-	-	-
50-200/1.5R	1.5	2	-	-	-	12.1	11.8	11.5	11.1	10.6	9.5	8	-	-	-	-	-	-	-
50-200/1.5	1.5	2	-	-	-	13	12.7	12.3	11.9	11.5	10.5	9.1	-	-	-	-	-	-	-
50-200/2.2	2.2	3	-	-	-	17.7	17.5	17.2	16.8	16.4	15.4	14	-	-	-	-	-	-	-
65-125/0.55	0.55	0.75	-	-	-	-	-	4.8	4.6	4.4	4.0	3.5	3.2	2.3	1.4	-	-	-	-
65-125/0.75	0.75	1	-	-	-	-	-	6	5.8	5.7	5.2	4.6	4.4	3.5	2.5	2.2	-	-	-
65-125/1.1	1.1	1.5	-	-	-	-	-	7.2	7	6.8	6.3	5.8	5.4	4.5	3.5	3.2	2.8	-	-
65-160/1.1	1.1	1.5	-	-	-	-	-	8.1	8.0	7.4	7.0	6.6	5.7	4.6	4.2	3.8	-	-	-
65-160/1.5	1.5	2	-	-	-	-	-	9.2	9	8.5	8	7.7	6.7	5.7	5.3	4.9	4.5	-	-
65-160/2.2	2.2	3	-	-	-	-	-	11.3	11.1	10.6	10	9.8	8.8	7.6	7.2	6.8	6.4	5.5	-
65-200/2.2R	2.2	3	-	-	-	-	-	12.4	12.2	11.6	11	10.6	9.3	7.8	7.3	6.8	-	-	-
65-200/2.2	2.2	3	-	-	-	-	-	13.9	13.7	13.0	12.4	12	10.8	9.3	8.8	8.3	7.8	-	-
65-200/3.0	3	4	-	-	-	-	-	15.8	15.6	15.06	14.5	14.1	12.9	11.6	11.1	10.6	10.1	9	-

PERFORMANCE CURVES 3(L)M-3(L)S-3(L)P 32 at 2900 min⁻¹
 (according to ISO 9906 Annex A)

