

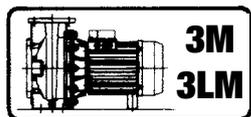
3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

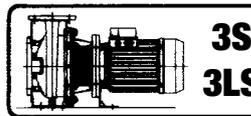
Standardised centrifugal electric pumps built in stainless steel AISI 304 (3 SERIES) and AISI 316 (3L SERIES).



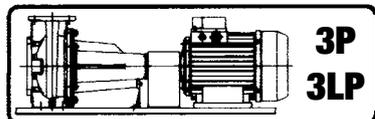
Available in 4 versions with 2 and 4 pole motors



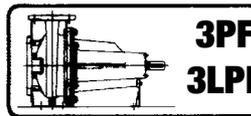
Monobloc with extended motor shaft



Monobloc with standard motor and rigid joint



On base, with standard motor and flexible coupling



Pump with bare shaft

SPECIAL VERSIONS

- 3Z SERIES: electropump inclusive of rotary bracket and body without supporting foot.

ACCESSORIES (On request)

- Counter-flanges available in the following materials:
 - galvanised
 - AISI 304
 - AISI 316

APPLICATIONS

- Water supply to civil, agricultural and industrial plants
- Pressure boosting
- Fire-fighting, heating and air conditioning systems
- Pumping industrial liquids
- Irrigation
- Refrigeration towers
- Swimming pools
- Emptying
- Washing plants

TECHNICAL DETAILS

- Highly resistant structure
- Hydroforming process EBARA patent

PUMP TECHNICAL DATA

- Maximum working pressure: 10 bar
- Temperature of the liquid:
 - 10°C ÷ +90°C
 - 10°C ÷ +110°C (L-H-HS-HW-HSW versions)
 - 20°C ÷ +120°C (E-ES versions)
- MEI > 0.4

For further information please see our Data Book on the web site www.ebara-europe.com

MOTOR TECHNICAL DATA

- IE3 high energy-efficiency motors starting from 0.75kW
- Self-ventilated 2 and 4 poles asynchronous motor
- Class of insulation F (B for high temperatures)
- IP 55 protection degree
- 230V ±10% 50Hz single phase voltage, 230/400V ±10% (up 4 kW included) three phase voltage, 50 Hz, 400/690V ±10% (from 5.5 kW and above) three phase voltage, 50 Hz
- Protection is user's responsibility

MATERIALS

- Pump casing and casing cover in:
 - AISI 304 for 3 SERIES 32-125/160/200 40-125/160/200 50-125/160/200 65-125/160/200
 - AISI 316L for 3L SERIES 32-125/160/200 40-125/160/200 50-125/160/200 65-125/160/200
 - AISI 316 microcasted for 3L SERIES 65-250 80-160/200/250
- Impeller in:
 - AISI 304 for 3 SERIES 32-125/160/200 40-125/160/200 50-125/160/200
 - AISI 316L for 3L SERIES 32-125/160/200 40-125/160/200 50-125/160/200
 - AISI 316 microcasted for 3 SERIES 65-125/160/200 3L SERIES 65-125/160/200 65-250 80-160/200/250

- Mechanical seal standard in:

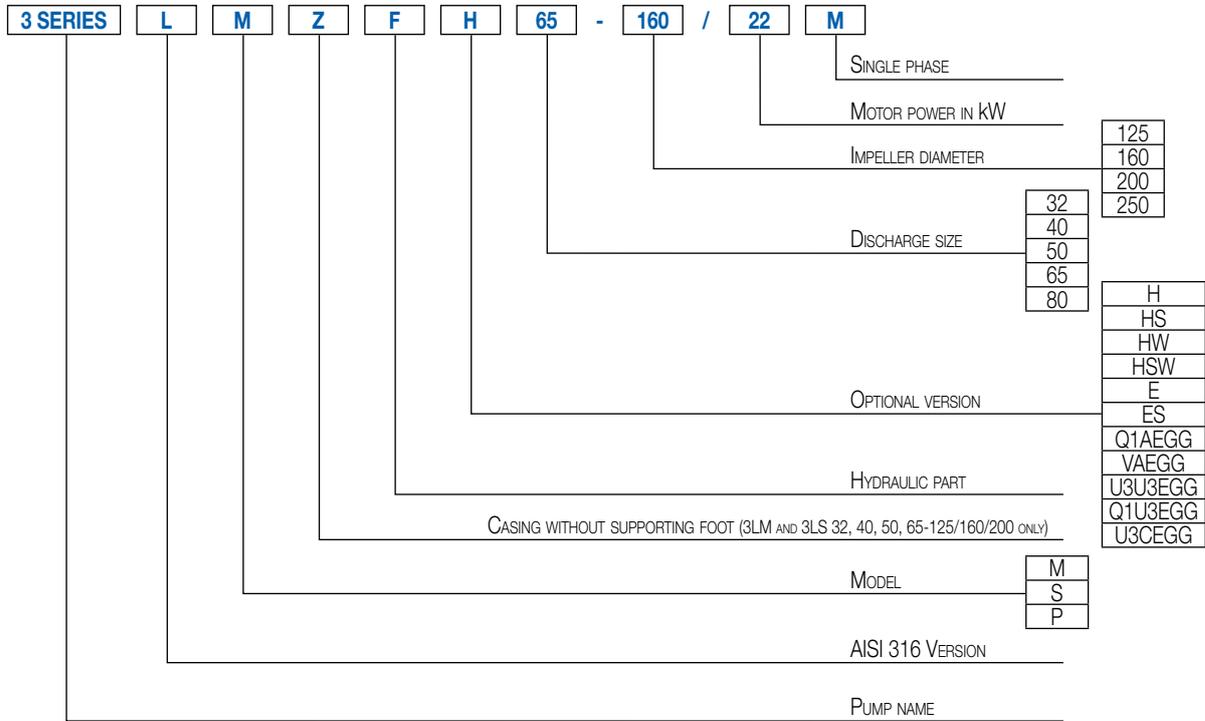
- Carbon/Ceramic/NBR for 3 SERIES
- Silicon Carbide/Silicon Carbide/FKM for 3L SERIES
- special mechanical seals available on request, see p. 92 for 3-3L SERIES 2 poles, p.130 for 3-3L SERIES 4 poles



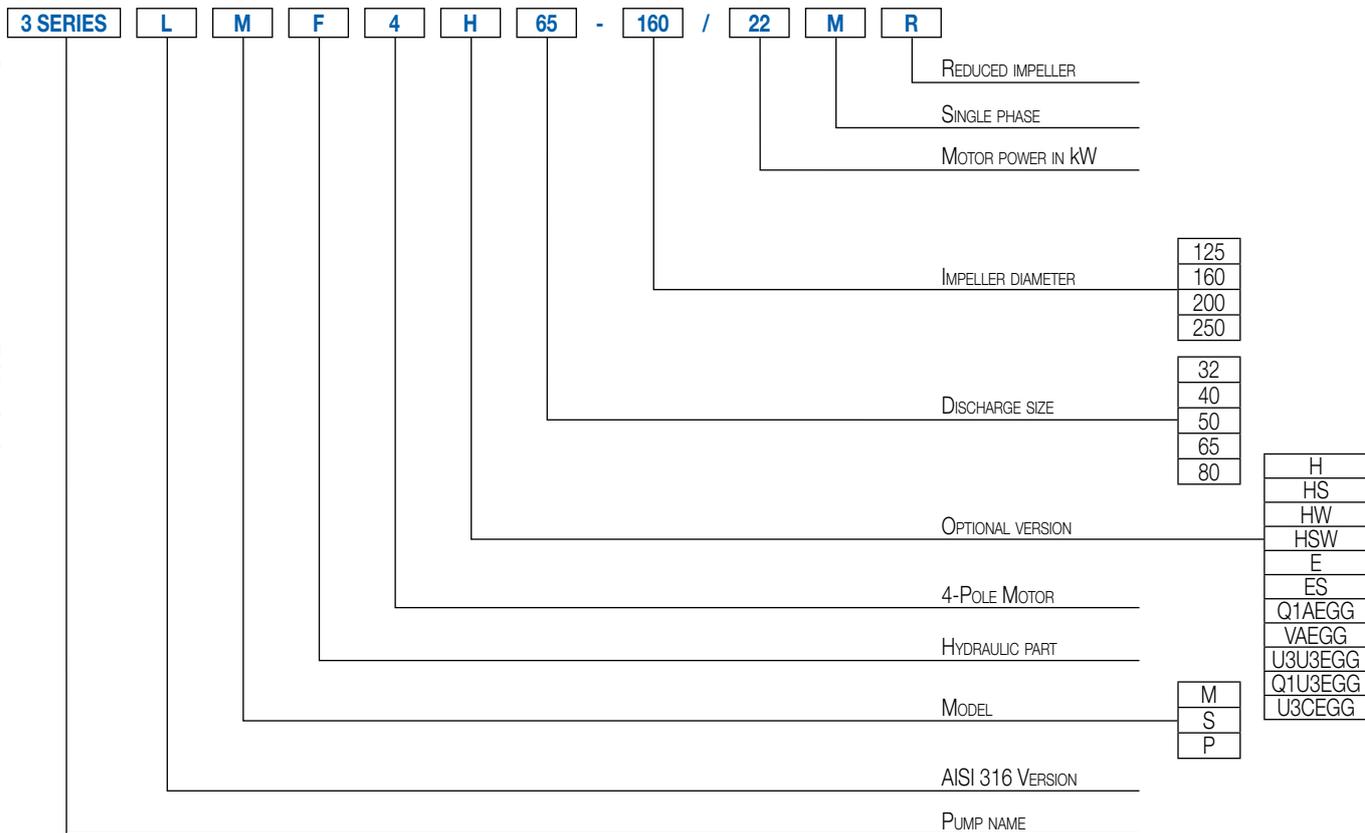
3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

IDENTIFICATION CODE - 2 Poles



IDENTIFICATION CODE - 4 Poles



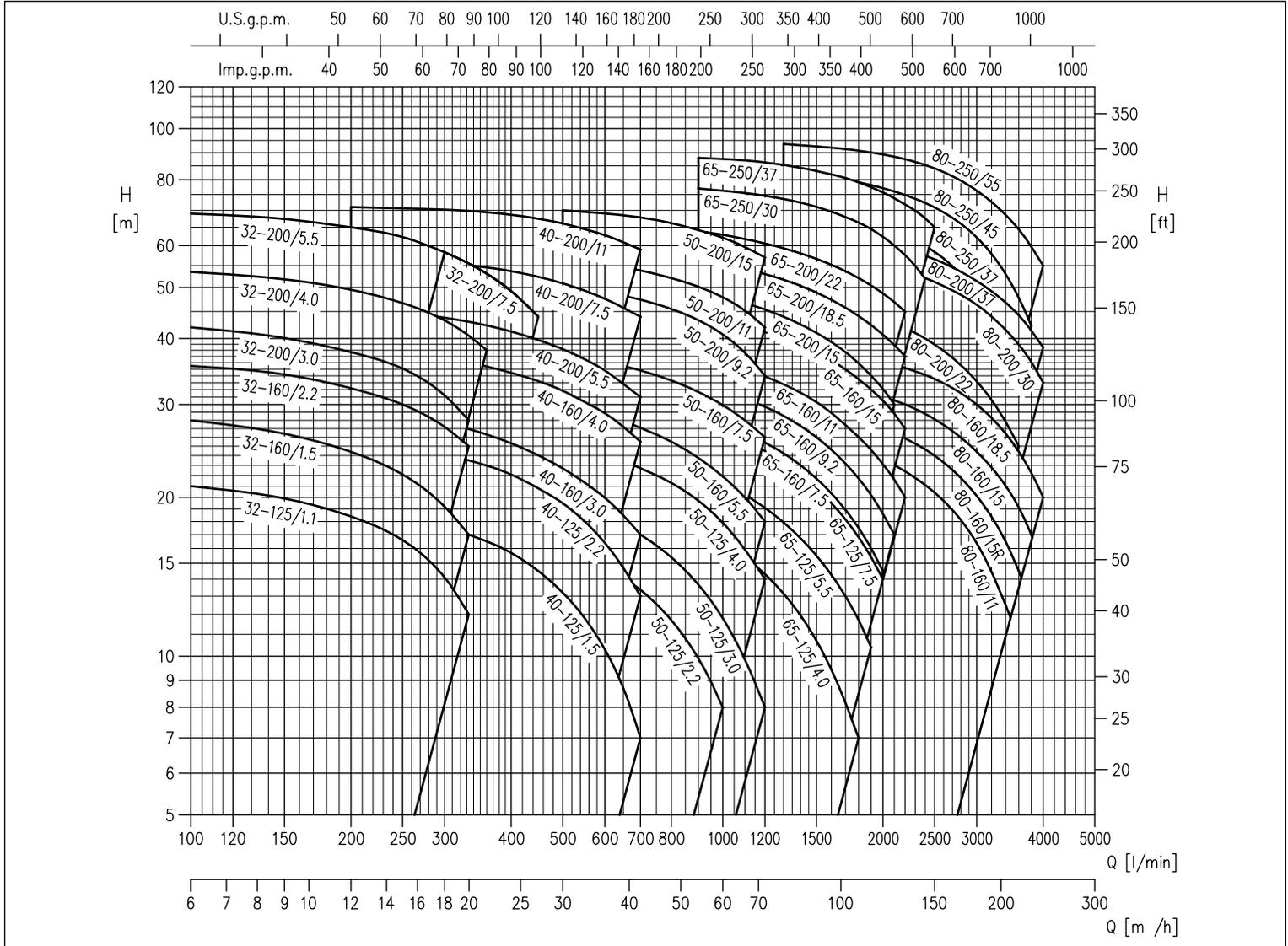
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3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE RANGE 3(L) SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



Versions	3M	3S	3P	3LM	3LMZ	3LS	3LSZ	3LP
32-125	■	■	■	■	◆	■	◆	■
32-160	■	■	■	■	◆	■	◆	■
32-200	■	■	■	■	◆	■	◆	■
40-125	■	■	■	■	◆	■	◆	■
40-160	■	■	■	■	◆	■	◆	■
40-200	■	■	■	■	◆	■	◆	■
50-125	■	■	■	■	◆	■	◆	■
50-160	■	■	■	■	◆	■	◆	■
50-200	■	■	■	■	◆	■	◆	■
65-125	■	■	■	■	◆	■	◆	■
65-160	■	■	■	■	◆	■	◆	■
65-200	■	■	■	■	◆	■	◆	■
65-250	-	-	-	-	-	●	-	●
80-160	-	-	-	●	-	●	-	●
80-200	-	-	-	-	-	●	-	●
80-250	-	-	-	-	-	▲	-	▲

- = Models also available in H-HS-HW-HSW-E version
- = Models also available in H-HW-HSW-E version
- ▲ = Models also available in H-HW-HSW-ES version
- ◆ = Models available only in standard version

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3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CHART 32-40-50

2 Poles

Model	P ₂		Q = Flow Rate														
	[HP]	[kW]	l/min m ³ /h	100 6	150 9	200 12	300 18	333 20	360 22	400 24	450 27	500 30	600 36	700 42	800 48	1000 60	1200 72
			H=Head [m]														
3(.) SERIES 32-125/1.1(M)	1.5	1.1	21.0	19.9	18.4	14.1	12.0	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-160/1.5(M)	2	1.5	28.0	26.5	24.5	19.2	17.0	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-160/2.2(M)	3	2.2	35.5	34.0	32.0	27.0	25.0	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/3.0	4	3	42.0	40.0	37.5	31.0	28.0	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/4.0	5.5	4	53.5	52.0	49.5	43.5	40.5	38.0	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/5.5	7.5	5.5	69.0	67.5	65.0	58.5	-	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/7.5	10	7.5	69.0	67.5	65.0	58.5	55.5	53.0	49.0	44.0	-	-	-	-	-	-	-
3(.) SERIES 40-125/1.5(M)	2	1.5	-	-	19.0	17.6	17.0	16.5	15.7	14.5	13.2	10.3	7.0	-	-	-	-
3(.) SERIES 40-125/2.2(M)	3	2.2	-	-	25.5	24.0	23.5	23.0	22.0	21.0	19.5	16.4	13.0	-	-	-	-
3(.) SERIES 40-160/3.0	4	3	-	-	29.5	27.5	27.0	26.5	25.5	24.0	22.5	20.0	17.0	-	-	-	-
3(.) SERIES 40-160/4.0	5.5	4	-	-	38.5	37.0	36.0	35.5	34.5	33.0	32.0	29.0	25.5	-	-	-	-
3(.) SERIES 40-200/5.5	7.5	5.5	-	-	45.5	44.0	43.0	42.5	41.0	39.5	38.0	35.0	31.0	-	-	-	-
3(.) SERIES 40-200/7.5	10	7.5	-	-	57.0	55.5	55.0	54.5	53.5	52.5	51.0	47.5	44.0	-	-	-	-
3(.) SERIES 40-200/11	15	11	-	-	71.0	70.0	70.0	69.5	68.5	67.5	66.0	63.0	59.0	-	-	-	-
3(.) SERIES 50-125/2.2(M)	3	2.2	-	-	-	-	-	-	17.5	17.0	16.3	14.9	13.4	11.7	8.0	-	-
3(.) SERIES 50-125/3.0	4	3	-	-	-	-	-	-	20.5	20.0	19.6	18.4	17.0	15.4	11.8	8.0	-
3(.) SERIES 50-125/4.0	5.5	4	-	-	-	-	-	-	26.0	25.5	25.0	24.0	22.5	21.5	17.9	14.0	-
3(.) SERIES 50-160/5.5	7.5	5.5	-	-	-	-	-	-	31.0	30.5	30.0	28.5	27.0	25.5	22.0	18.0	-
3(.) SERIES 50-160/7.5	10	7.5	-	-	-	-	-	-	38.5	38.0	37.5	36.0	35.0	33.5	30.0	26.0	-
3(.) SERIES 50-200/9.2	12.5	9.2	-	-	-	-	-	-	-	-	50.0	49.0	47.5	45.5	40.5	34.0	-
3(.) SERIES 50-200/11	15	11	-	-	-	-	-	-	-	-	56.0	55.0	54.0	52.0	48.0	42.0	-
3(.) SERIES 50-200/15	20	15	-	-	-	-	-	-	-	-	70.0	69.0	68.0	66.0	62.0	57.0	-

(M) Single phase version only for 3M SERIES

PERFORMANCE CHART 65-80

2 Poles

Model	P ₂		Q = Flow Rate																	
	[HP]	[kW]	l/min m ³ /h	600 36	700 42	900 54	1300 78	1500 90	1700 102	1900 114	2100 126	2200 132	2300 138	2400 144	2500 150	3000 180	3400 204	3600 216	3800 228	4000 240
			H=Head [m]																	
3(.) SERIES 65-125/4.0	5.5	4	19.8	19.0	17.3	13.3	11.0	8.6	6.3	-	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-125/5.5	7.5	5.5	-	24.0	22.2	18.0	15.7	13.3	10.8	8.0	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-125/7.5	10	7.5	-	29.5	27.8	23.5	21.1	18.7	16.1	13.4	12.0	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-160/7.5	10	7.5	-	30.0	28.6	24.8	22.5	19.9	17.1	14.2	-	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-160/9.2	12.5	9.2	-	34.5	32.8	28.8	26.5	23.9	21.1	18.3	16.8	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-160/11	15	11	-	38.5	37.1	33.1	30.9	28.4	25.8	23.0	21.5	20.0	-	-	-	-	-	-	-	-
3(.) SERIES 65-160/15	20	15	-	45.5	44.0	40.0	37.8	35.3	32.6	29.6	28.0	26.5	-	-	-	-	-	-	-	-
3(.) SERIES 65-200/15	20	15	-	51.0	49.0	44.0	41.5	38.4	35.3	31.8	30.0	-	-	-	-	-	-	-	-	-
3(.) SERIES 65-200/18.5	25	18.5	-	58.5	56.5	51.5	49.0	46.0	43.0	39.7	38.0	36.3	-	-	-	-	-	-	-	-
3(.) SERIES 65-200/22	30	22	-	65.5	64.0	59.5	57.0	54.0	51.0	48.0	46.5	45.0	-	-	-	-	-	-	-	-
3(.) SERIES 65-250/30	40	30	-	-	77.0	73.5	71.0	68.0	64.5	60.0	57.5	55.0	52.0	-	-	-	-	-	-	-
3(.) SERIES 65-250/37	50	37	-	-	88.0	85.5	83.0	80.5	77.5	74.0	72.0	70.0	67.5	65.0	-	-	-	-	-	-
3(.) SERIES 80-160/11	15	11	-	-	-	27.3	26.4	25.4	24.2	23.0	22.4	21.8	21.1	20.4	16.4	12.5	-	-	-	-
3(.) SERIES 80-160/15R	20	15	-	-	-	30.5	29.7	28.8	27.7	26.5	25.9	25.3	24.6	24.0	20.1	16.5	14.5	-	-	-
3(.) SERIES 80-160/15	20	15	-	-	-	34.0	33.3	32.5	31.5	30.5	30.0	29.4	28.8	28.1	24.4	21.0	19.1	17.0	-	-
3(.) SERIES 80-160/18.5	25	18.5	-	-	-	39.0	38.4	37.6	36.7	35.7	35.2	34.7	34.1	33.5	30.0	26.4	24.4	22.3	20.0	-
3(.) SERIES 80-200/22	30	22	-	-	-	48.0	47.0	45.5	44.5	43.0	42.0	41.0	40.0	39.0	33.2	27.8	25.0	-	-	-
3(.) SERIES 80-200/30	40	30	-	-	-	58.5	58.0	57.0	56.0	54.5	54.0	53.0	52.0	51.0	46.5	41.5	39.0	36.1	33.0	-
3(.) SERIES 80-200/37	50	37	-	-	-	64.0	63.0	62.0	61.0	59.5	59.0	58.0	57.5	56.5	51.5	47.0	44.5	41.5	38.5	-
3(.) SERIES 80-250/37	50	37	-	-	-	71.5	70.5	68.5	66.5	64.0	63.0	61.5	60.0	58.5	48.5	38.0	-	-	-	-
3(.) SERIES 80-250/45	60	45	-	-	-	82.5	81.5	80.0	78.0	76.0	75.0	73.5	72.5	71.0	62.0	53.0	48.0	42.5	-	-
3(.) SERIES 80-250/55	75	55	-	-	-	93.5	92.5	91.5	90.0	88.5	87.5	86.5	85.5	84.0	76.5	68.5	64.5	60.0	55.0	-

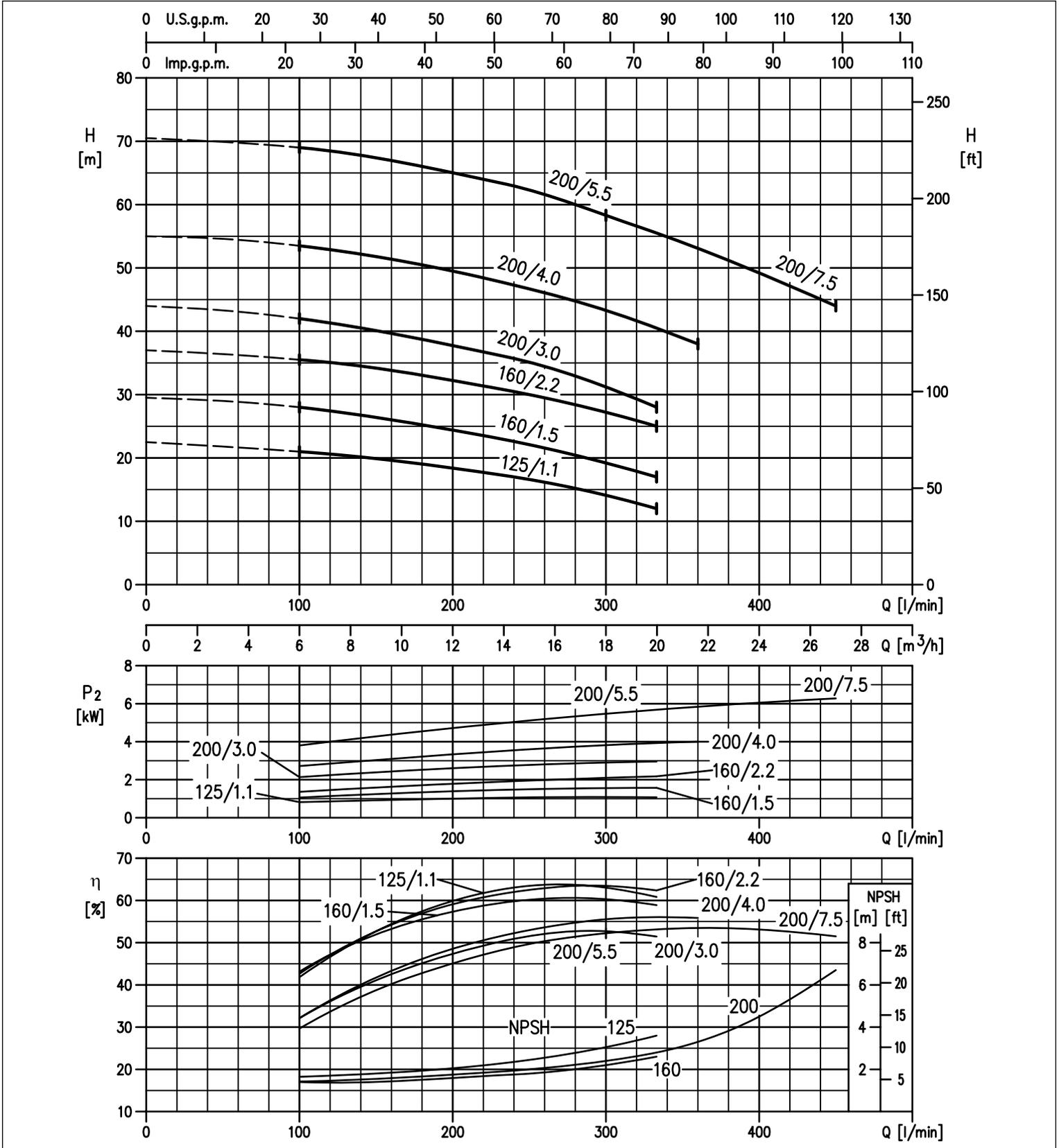


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

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

2 Poles



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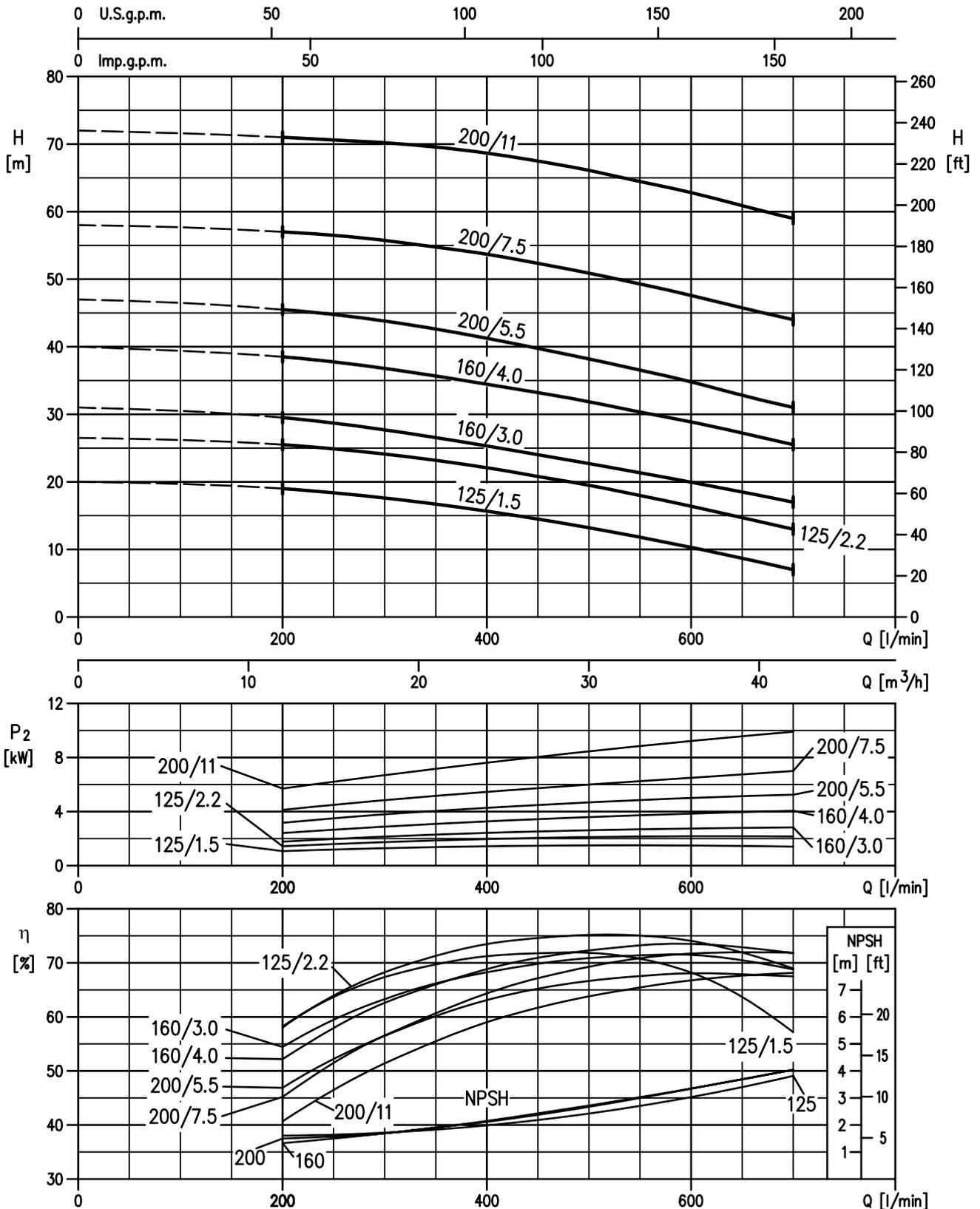


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3(L)M-3(L)S-3(L)P 40 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



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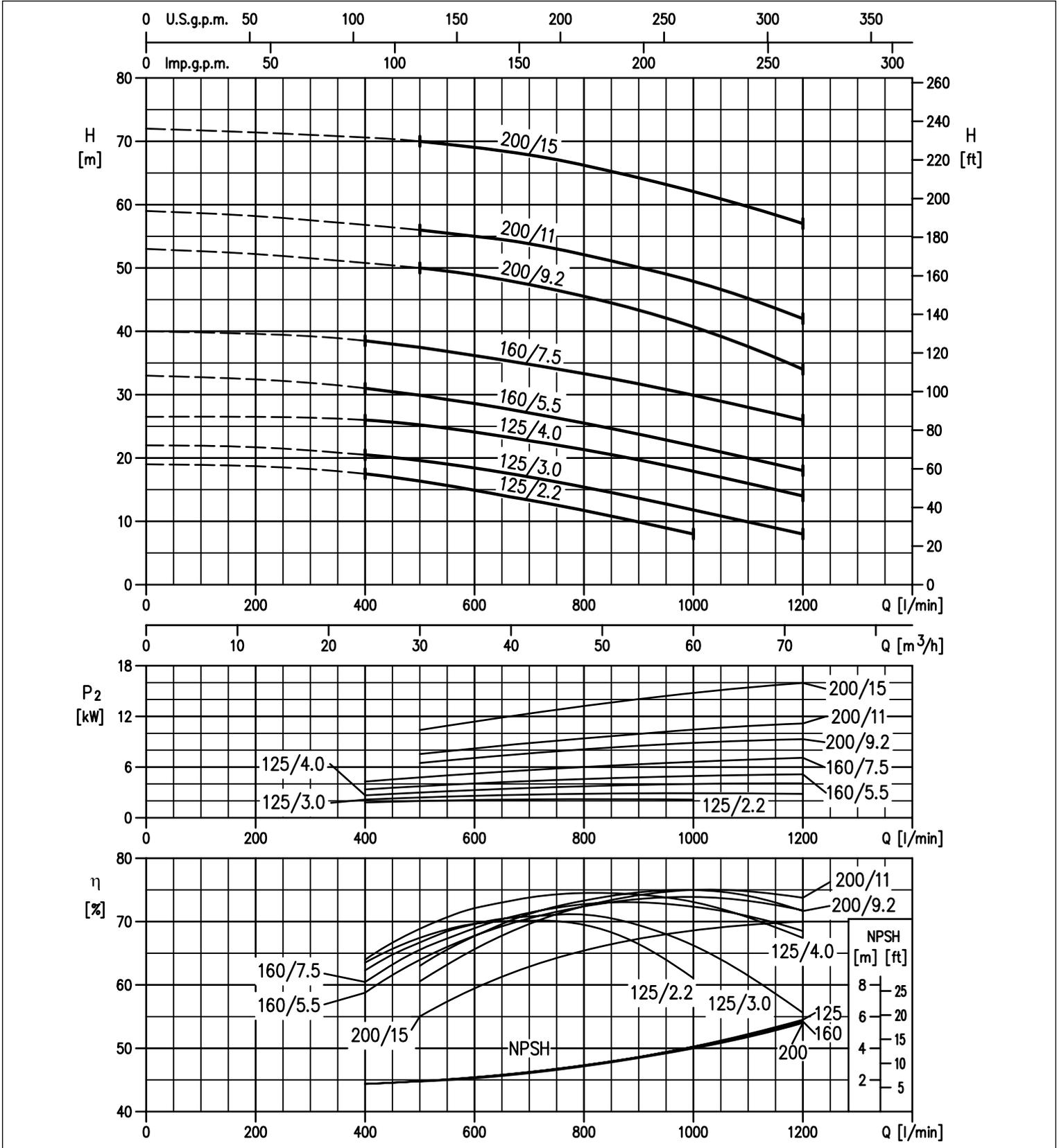


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3(L)M-3(L)S-3(LP) 50 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



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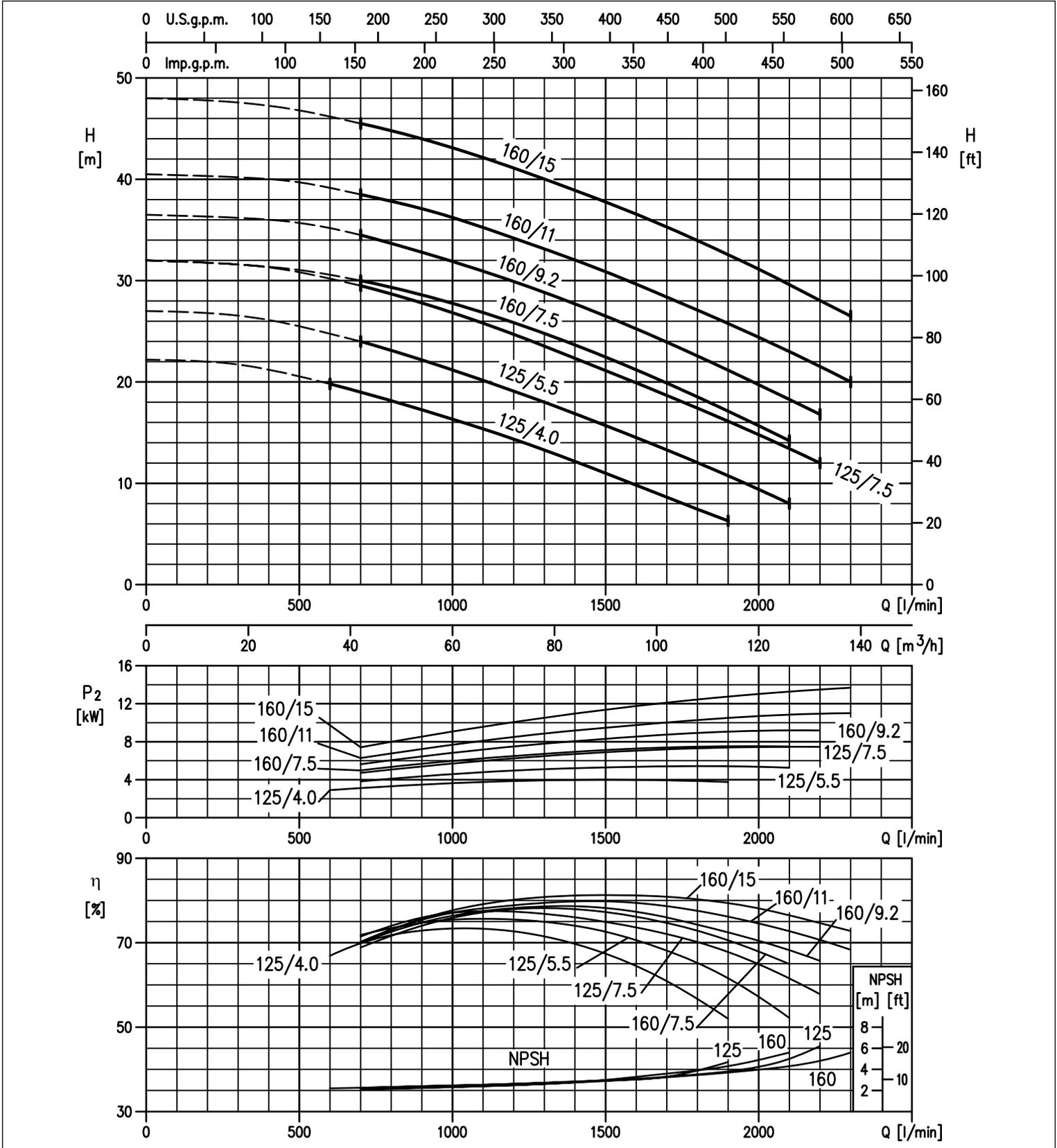


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3(L)M-3(L)S-3(L)P 65 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



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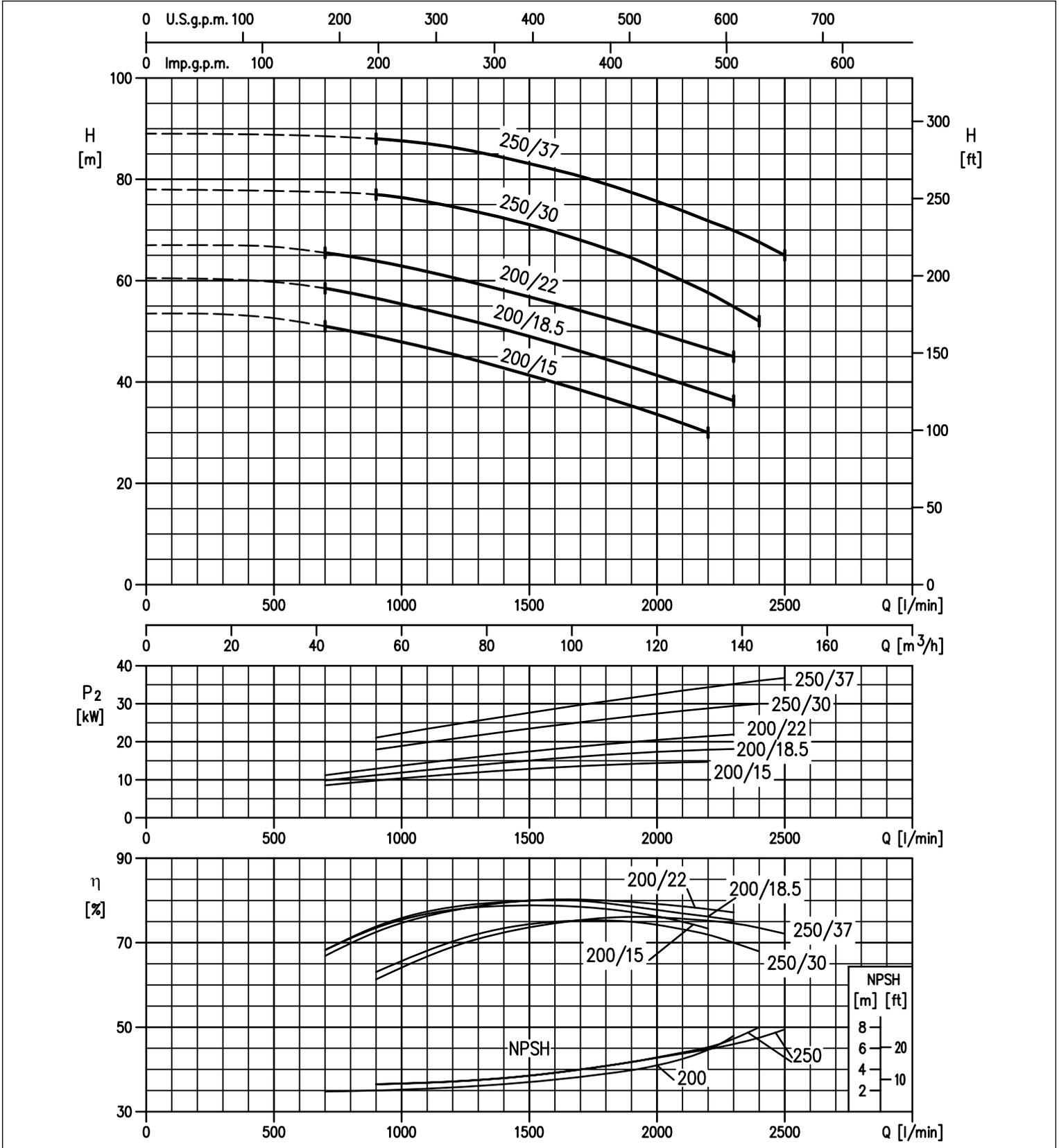


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3L 65 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



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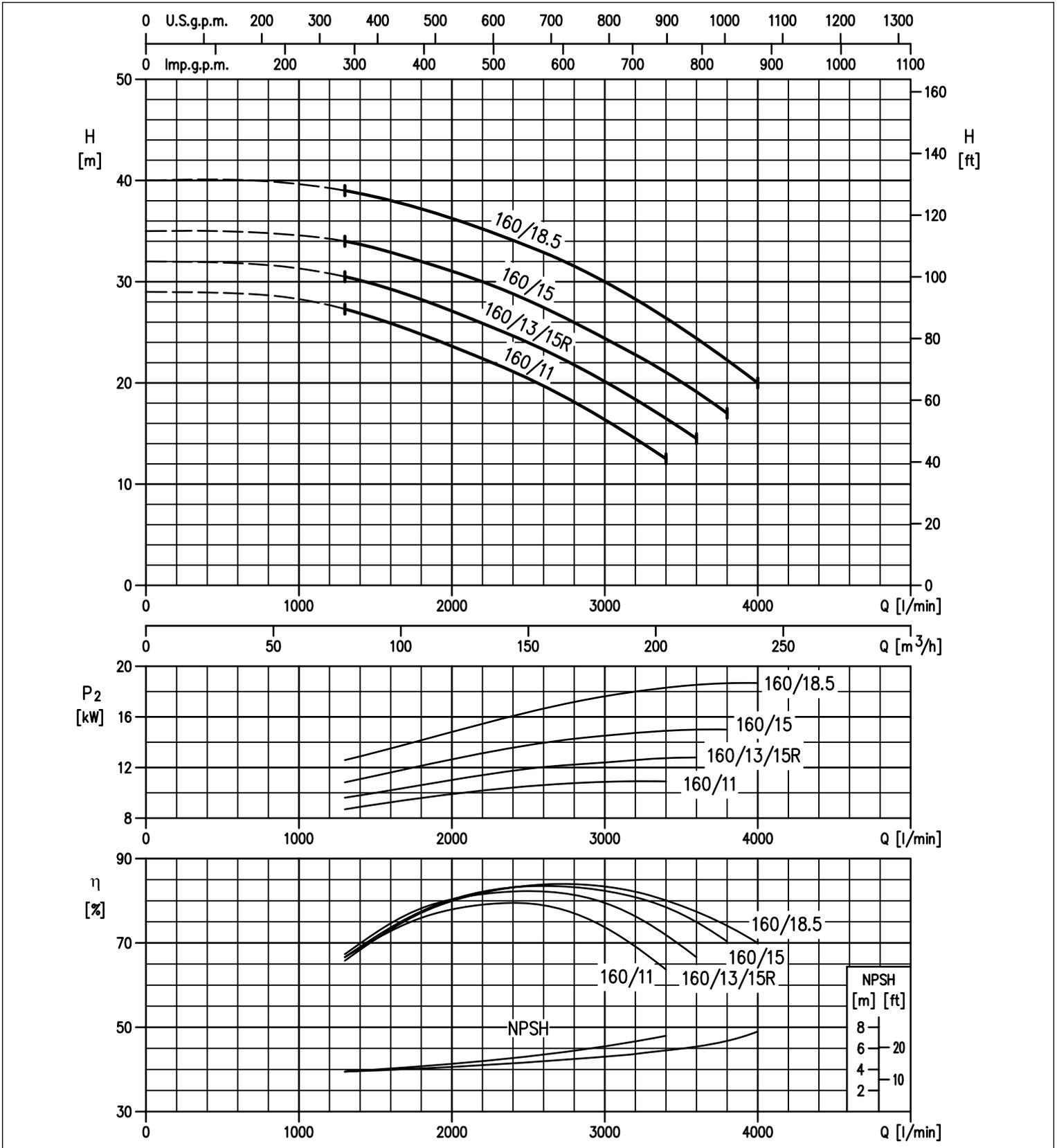


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3L 80 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



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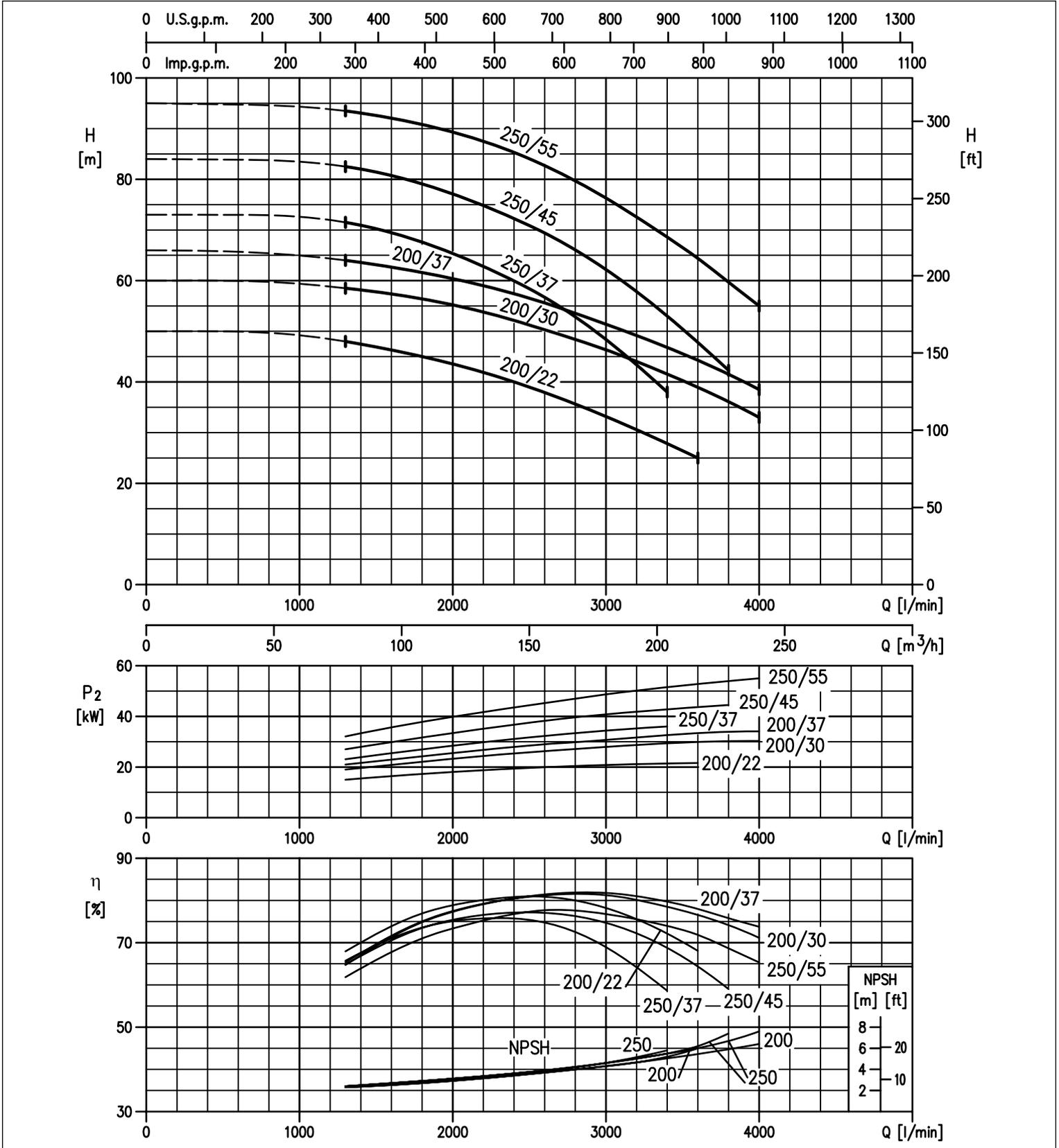


3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

PERFORMANCE CURVES 3L 80 SERIES at 2900 min⁻¹ (according to ISO 9906 Attachment A)

2 Poles



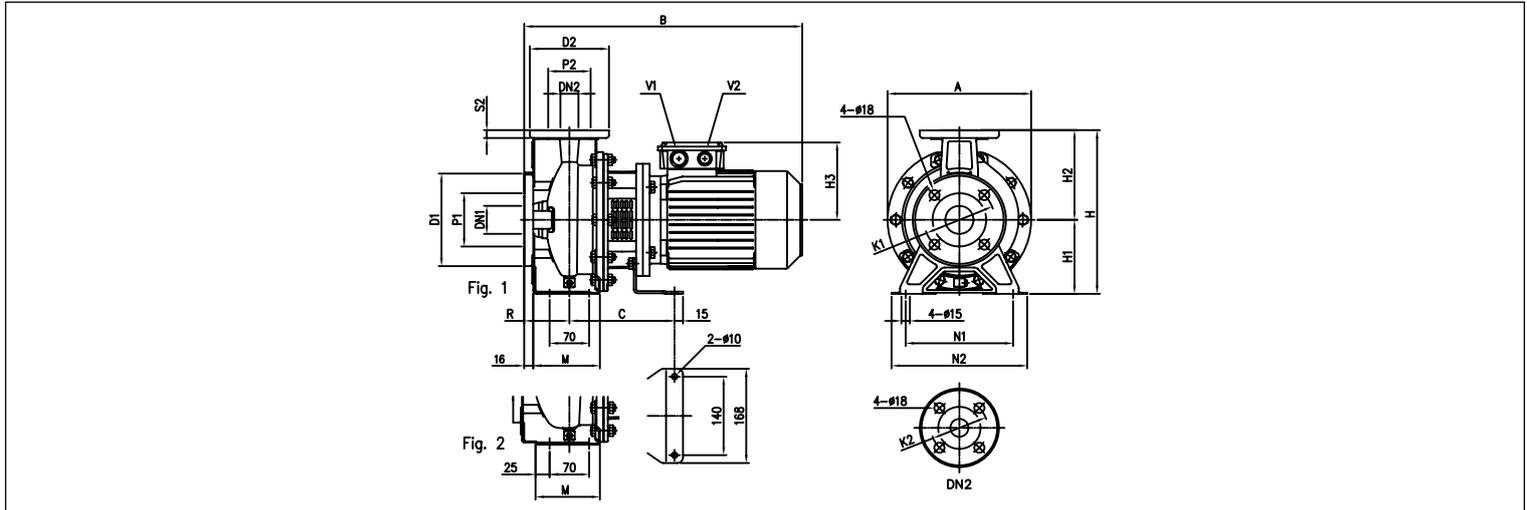
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3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

3(L)S 32, 40, 50 - up to 2.2 kW

2 Poles

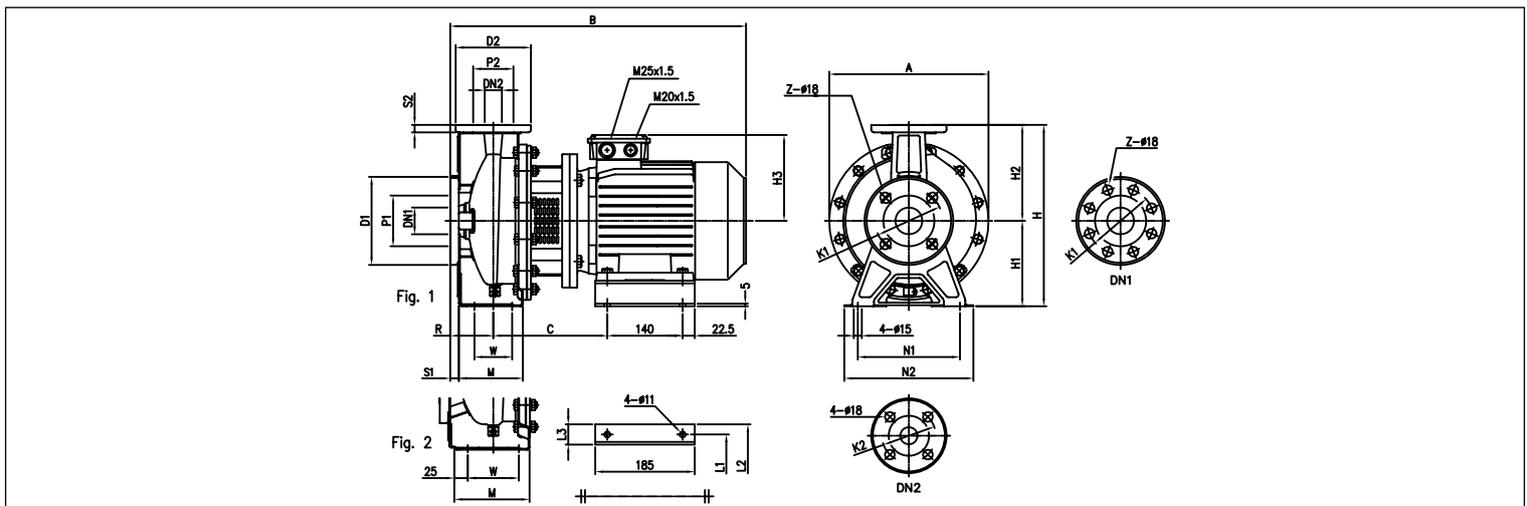


DIMENSIONAL TABLE

Modello	DN1 Ø	P1 Ø	K1 Ø	D1 Ø	DN2 Ø	P2 Ø	K2 Ø	D2 Ø	S2	Fig.	Dimensioni [mm]										Peso [kg]			
											H	H1	H2	H3	R	M	N1	N2	A	B		C	V1	V2
32-125/1.1	50	95	125	165	32	75	100	140	14	1	252	112	140	139	80	114	140	190	213	430	174	M25x1.5	M20x1.5	24.7
32-160/1.5	50	95	125	165	32	75	100	140	14	1	292	132	160	148	80	118	190	240	254	477	186	M25x1.5	M20x1.5	29.8
32-160/2.2	50	95	125	165	32	75	100	140	14	1	292	132	160	148	80	118	190	240	254	477	186	M25x1.5	M20x1.5	32.4
40-125/1.5	65	115	145	185	40	80	110	150	14	1	252	112	140	148	80	114	160	210	213	477	186	M25x1.5	M20x1.5	26.5
40-125/2.2	65	115	145	185	40	80	110	150	14	1	252	112	140	148	80	114	160	210	213	477	186	M25x1.5	M20x1.5	29.6
50-125/2.2	65	115	145	185	50	95	125	165	16	2	292	132	160	148	100	114	190	240	254	497	186	M25x1.5	M20x1.5	32.9

3(L)S 32, 65 - 3 ÷ 4 kW

2 Poles



DIMENSIONAL TABLE

Modello	DN1 Ø	P1 Ø	K1 Ø	D1 Ø	S1	Z		DN2 Ø	P2 Ø	K2 Ø	D2 Ø	S2	Fig.	Dimensioni [mm]										Peso [kg]					
						[1]	[2]							H	H1	H2	H3	R	W	M	N1	N2	A		B	C	L1	L2	L3
32-200/3.0	50	95	125	165	16	4	-	32	75	100	140	14	1	340	160	180	155	80	70	119	190	240	296	528	205	160	202	42	46.9
32-200/4.0	50	95	125	165	16	4	-	32	75	100	140	14	1	340	160	180	171	80	70	119	190	240	296	550	212	190	228	38	49
65-125/4.0	80	134	160	200	18	8	4	65	115	145	185	16	2	340	160	180	171	100	95	140	212	280	254	570	212	190	228	38	50.1

[1] Standard

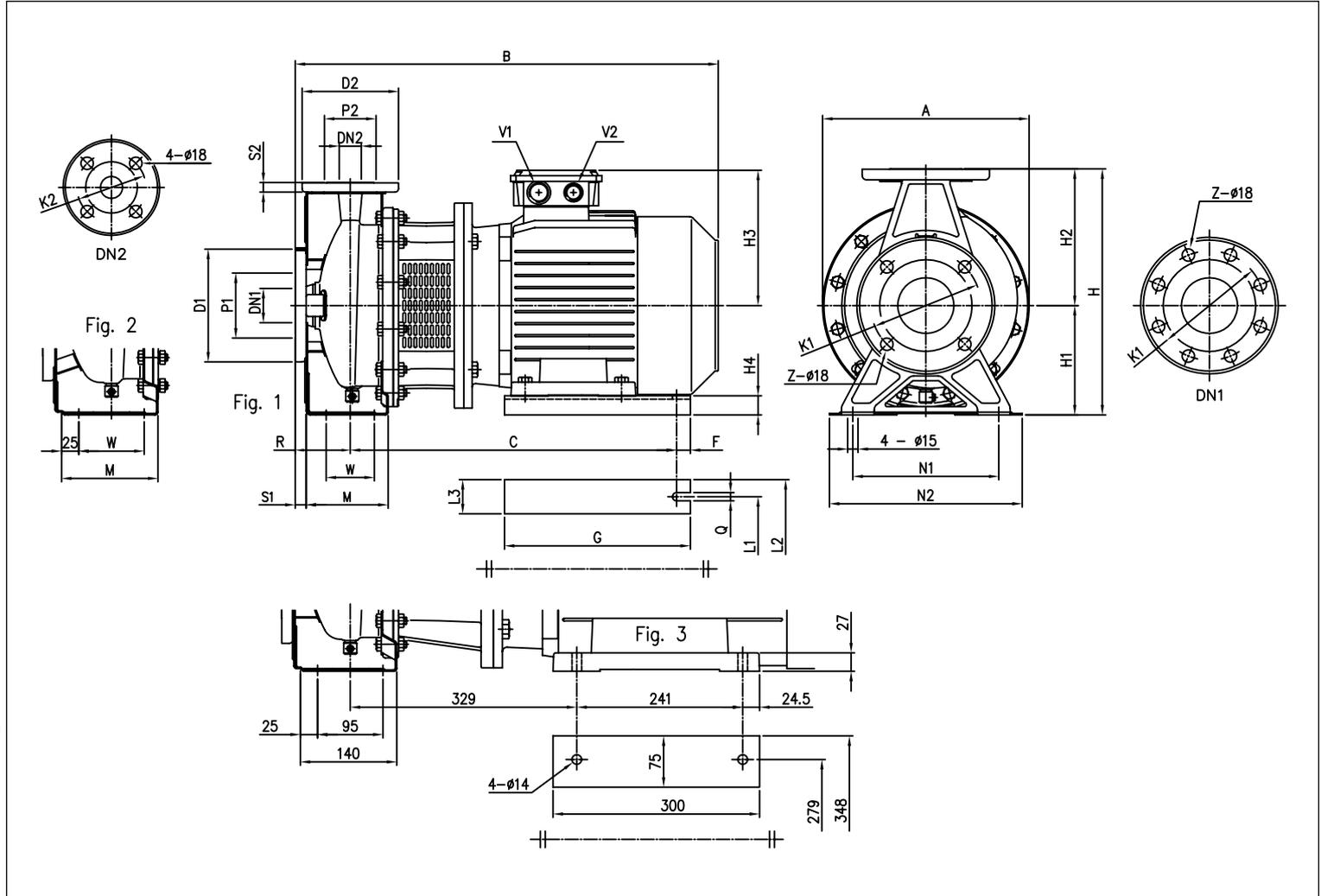
[2] On request

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

3(L)S 32, 40, 50, 65 - up to 65-200

2 Poles



DIMENSIONAL TABLE

Modello	Dimensioni [mm]																							Peso [kg]													
	DN1	P1	K1	D1	S1	Z	DN2	P2	K2	D2	S2	Fig.	H	H1	H2	H3	H4	R	W	M	N1	N2	A		B	C	F	G	Q	L1	L2	L3	V1	V2			
32-200/5.5	50	95	125	165	16	4	-	32	75	100	140	14	1	340	160	180	198	28	80	70	119	190	240	300	607	479	15	270	12	216	266	50	M32x1.5	M32x1.5	71.8		
32-200/7.5	50	95	125	165	16	4	-	32	75	100	140	14	1	340	160	180	198	28	80	70	119	190	240	300	607	479	15	270	12	216	266	50	M32x1.5	M32x1.5	87.0		
40-160/3.0	65	115	145	185	16	4	-	40	80	110	150	14	1	292	132	160	155	32	80	70	118	190	240	254	528	388	15	220	12	160	200	40	M25x1.5	M20x1.5	42.5		
40-160/4.0	65	115	145	185	16	4	-	40	80	110	150	14	1	292	132	160	171	20	80	70	118	190	240	254	550	395	15	220	12	190	240	50	M25x1.5	M20x1.5	44.6		
40-200/5.5	65	115	145	185	16	4	-	40	80	110	150	14	2	340	160	180	198	28	100	70	115	212	265	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	72.2		
40-200/7.5	65	115	145	185	16	4	-	40	80	110	150	14	2	340	160	180	198	28	100	70	115	212	265	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	82.0		
50-125/3.0	65	115	145	185	16	4	-	50	95	125	165	16	2	292	132	160	155	32	100	70	114	190	240	254	548	388	15	220	12	160	200	40	M25x1.5	M20x1.5	35.5		
50-125/4.0	65	115	145	185	16	4	-	50	95	125	165	16	2	292	132	160	171	20	100	70	114	190	240	254	570	395	15	220	12	190	240	50	M25x1.5	M20x1.5	45.6		
50-160/5.5	65	115	145	185	16	4	-	50	95	125	165	16	2	340	160	180	198	28	100	70	115	212	265	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	63.8		
50-160/7.5	65	115	145	185	16	4	-	50	95	125	165	16	2	340	160	180	198	28	100	70	115	212	265	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	91.0		
50-200/9.2	65	115	145	185	16	4	-	50	95	125	165	16	2	360	160	200	198	28	100	70	115	212	265	300	667	479	15	270	12	216	266	50	M32x1.5	M32x1.5	90.7		
65-125/5.5	80	134	160	200	18	8	4	65	115	145	185	16	2	340	160	180	198	28	100	95	140	212	280	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	60.0		
65-125/7.5	80	134	160	200	18	8	4	65	115	145	185	16	2	340	160	180	198	28	100	95	140	212	280	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	79.4		
65-160/7.5	80	134	160	200	18	8	4	65	115	145	185	16	2	360	160	200	198	28	100	95	140	212	280	300	627	479	15	270	12	216	266	50	M32x1.5	M32x1.5	82.4		
65-160/9.2	80	134	160	200	18	8	4	65	115	145	185	16	2	360	160	200	198	28	100	95	140	212	280	300	667	479	15	270	12	216	266	50	M32x1.5	M32x1.5	88.0		
65-200/15	80	134	160	200	18	8	4	65	115	145	185	16	2	405	180	225	238	20	100	95	140	250	320	350	806	621	20	350	14	254	314	60	M40x1.5	M40x1.5	138.0		
65-200/18.5	80	134	160	200	18	8	4	65	115	145	185	16	2	405	180	225	238	20	100	95	140	250	320	350	850	621	20	350	14	254	314	60	M40x1.5	M40x1.5	137.2		
65-200/22	80	134	160	200	18	8	4	65	115	145	185	16	3	405	180	225	268	-	100	-	-	250	320	350	885	-	-	-	-	-	-	-	-	-	M32x1.5	M32x1.5	175.0

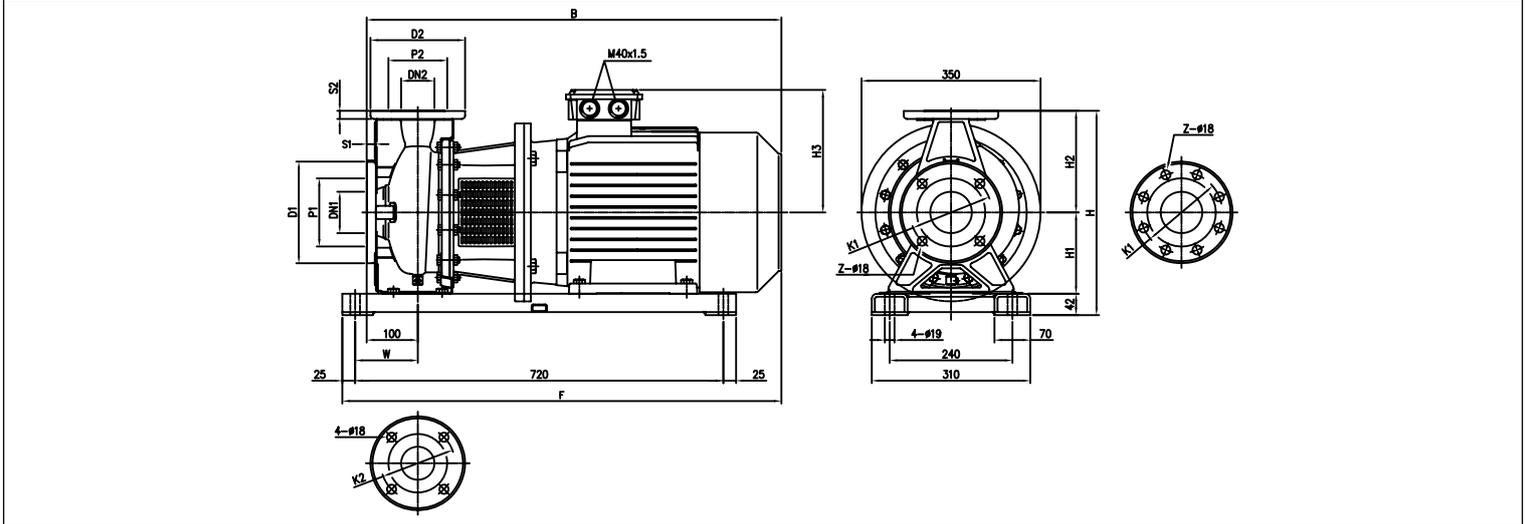
[1] Standard [2] On request

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

3(L)S 40, 50, 65 - 11 ÷ 15 kW

2 Poles



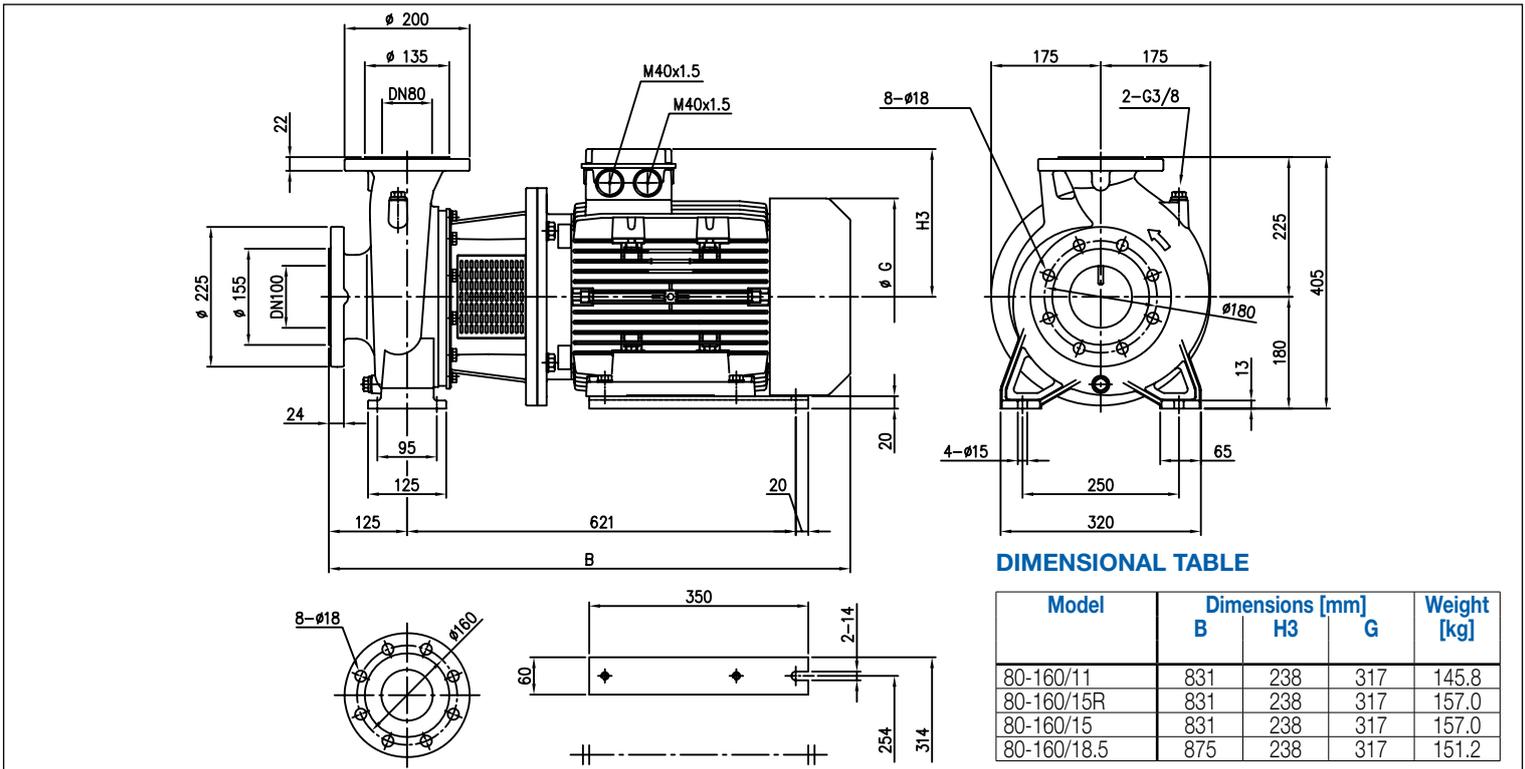
DIMENSIONAL TABLE

Modello	Dimensioni [mm]																			Peso [kg]
	DN1 Ø	P1 Ø	K1 Ø	D1 Ø	S1	[1]	[2]	DN2 Ø	P2 Ø	K2 Ø	D2 Ø	S2	H	H1	H2	H3	W	B	F	
40-200/11	65	115	145	185	16	4	-	40	80	110	150	14	382	160	180	238	110	796	831	117.8
50-200/11	65	115	145	185	16	4	-	50	95	125	165	16	402	160	200	238	110	796	831	117.8
50-200/15	65	115	145	185	16	4	-	50	95	125	165	16	402	160	200	238	110	796	831	147.9
65-160/11	80	134	160	200	18	8	4	65	115	145	185	16	402	160	200	238	122.5	796	844	86.8
65-160/15	80	134	160	200	18	8	4	65	115	145	185	16	402	160	200	238	122.5	806	854	120.9

[1] Standard [2] On request

3LS 80-160

2 Poles



DIMENSIONAL TABLE

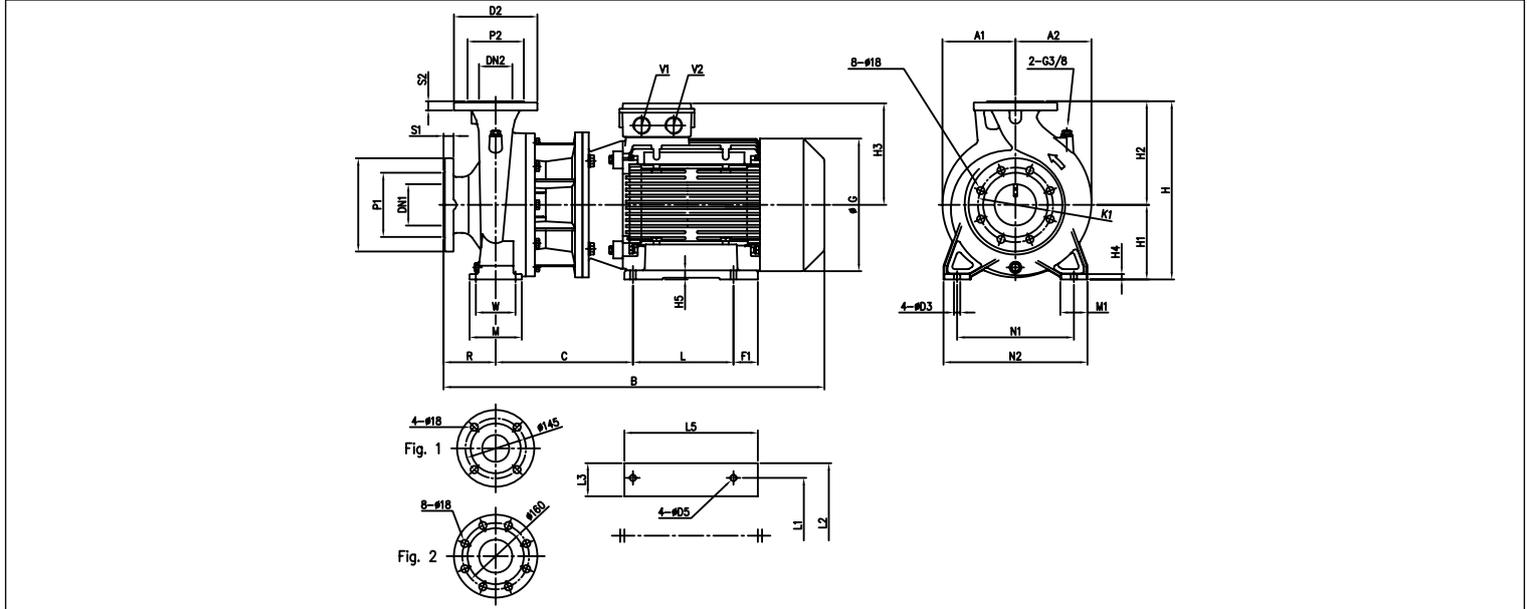
Model	Dimensions [mm]			Weight [kg]
	B	H3	G	
80-160/11	831	238	317	145.8
80-160/15R	831	238	317	157.0
80-160/15	831	238	317	157.0
80-160/18.5	875	238	317	151.2

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

3LS 65-250, 80

2 Poles

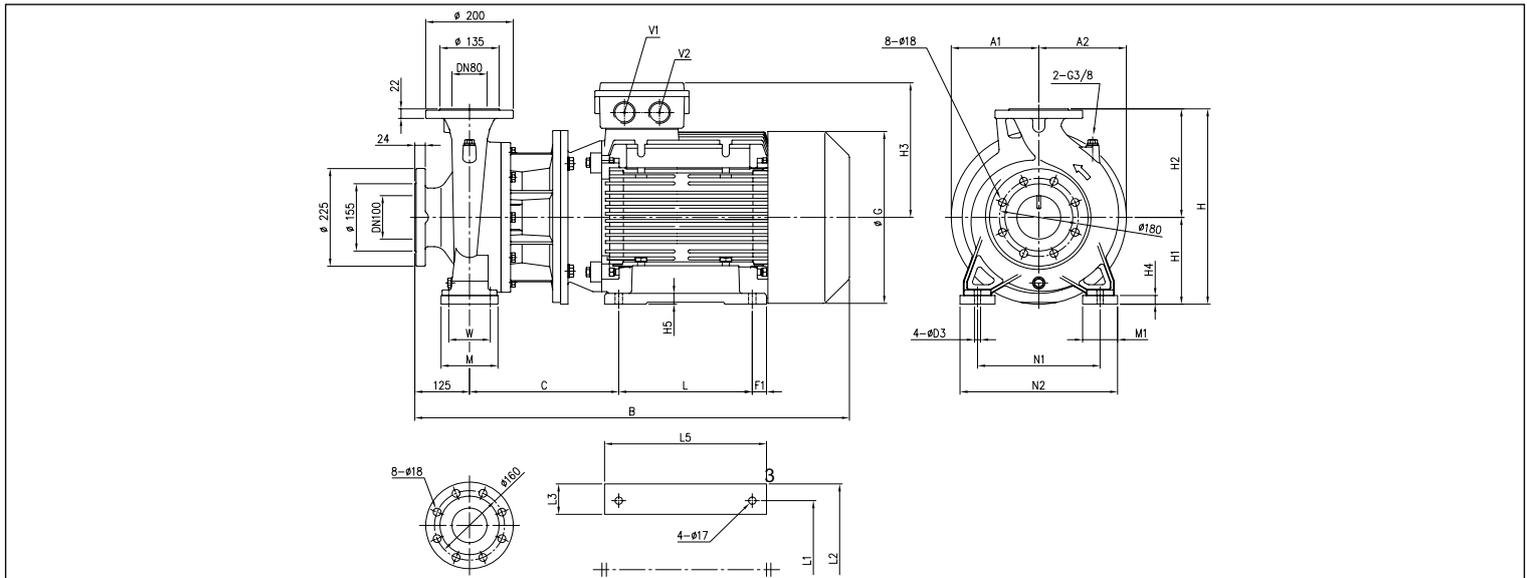


DIMENSIONAL TABLE

Model	Dimensions [mm]																							Weight [kg]														
	DN1	P1	K1	D1	S1	DN2	P2	D2	S2	H	H1	H2	H3	H4	H5	R	W	N1	N2	M	M1	L	L1		L2	L3	L5	A1	A2	B	C	F1	G	D3	D5	V1	V2	
65-250/30	80	135	160	200	22	65	Fig.1	120	185	20	450	200	250	300	15	25	100	120	280	360	160	80	305	318	388	80	358	200	200	966	341	21.5	399	19	17	M40x1.5	M40x1.5	303.0
65-250/37	80	135	160	200	22	65	Fig.1	120	185	20	450	200	250	300	15	25	100	120	280	360	160	80	305	318	388	80	358	200	200	966	341	21.5	399	19	17	M40x1.5	M40x1.5	320.0
80-200/22	100	155	180	225	24	80	Fig.2	135	200	22	430	180	250	268	13	27	125	95	280	345	125	65	241	279	348	75	300	175	182	910	329	24.5	360	15	14	M32x1.5	M32x1.5	207.0
80-250/37	100	155	180	225	24	80	Fig.2	135	200	22	480	200	280	300	15	25	125	120	315	400	160	80	305	318	388	80	358	200	200	1019	369	21.5	399	19	17	M40x1.5	M40x1.5	335.0

3LS 80

2 Poles



DIMENSIONAL TABLE

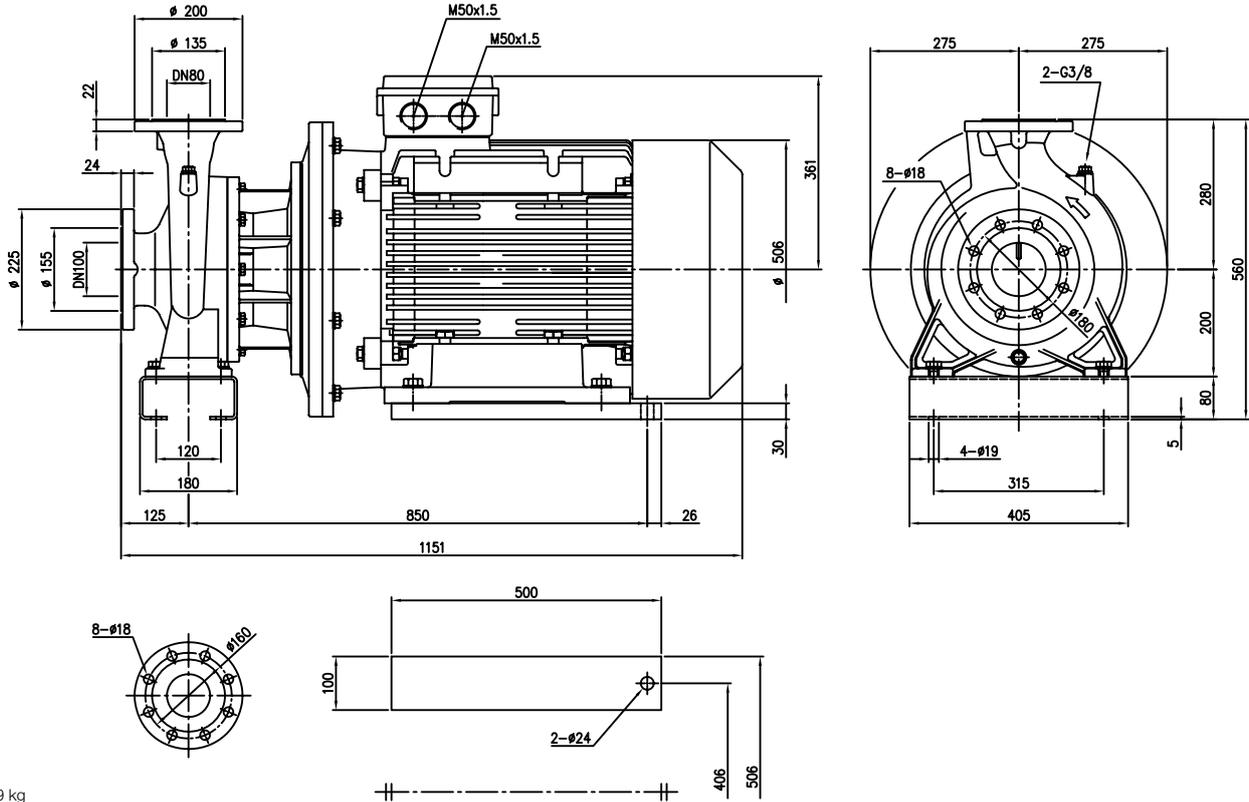
Model	Dimensions [mm]																							Weight [kg]		
	H	H1	H2	H3	H4	H5	W	N1	N2	M	M1	L	L1	L2	L3	L5	A1	A2	B	C	F1	G	D3		D5	V1
80-200/30	450	200	250	300	20	25	95	280	360	130	80	305	318	388	80	358	200	200	991	341	21.5	399	14	M40x1.5	M40x1.5	306.0
80-200/37	450	200	250	300	20	25	95	280	360	130	80	305	318	388	80	358	200	200	991	341	21.5	399	14	M40x1.5	M40x1.5	325.0
80-250/45	505	225	280	335	25	28	120	315	415	165	100	311	356	436	80	386	225	225	1060	385	37.5	465	18	M50x1.5	M50x1.5	401.0

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

3LS 80-250/55

2 Poles

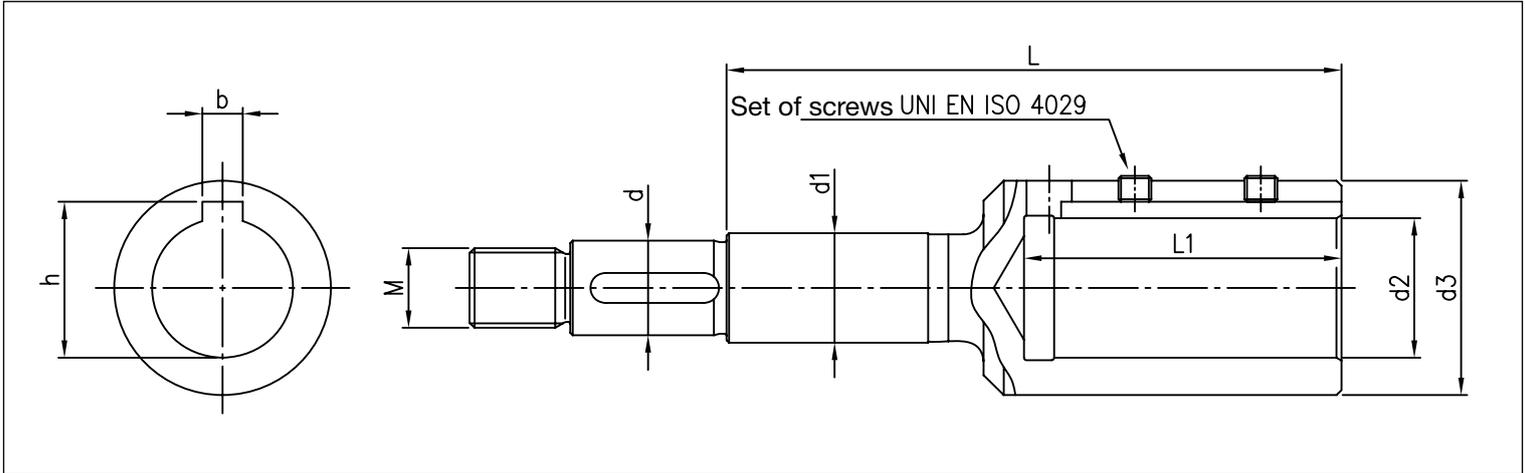


3 - 3L SERIES

**CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)**

JOINT FOR 3(L)S SERIES

2 Poles



DIMENSIONAL TABLE

Model	[HP]	[kW]	Motor size	Dimensions [mm]									
				d	d1	d2	d3	M	L	L1	b	h	Screws
32-125/1.1	1.5	1.1	80	19	22	19	33	M16x1.5	98	43	6	21.8	M6x6
32-160/1.5	2	1.5	90	19	22	24	39	M16x1.5	110	53	8	27.3	M8x8
32-160/2.2	3	2.2	90	19	22	24	39	M16x1.5	110	53	8	27.3	M8x8
32-200/3.0	4	3	100	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
32-200/4.0	5.5	4	112	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
32-200/5.5	7.5	5.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
32-200/7.5	10	7.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
40-125/1.5	2	1.5	90	19	22	24	39	M16x1.5	110	53	8	27.3	M8x8
40-125/2.2	3	2.2	90	19	22	24	39	M16x1.5	110	53	8	27.3	M8x8
40-160/3.0	4	3	100	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
40-160/4.0	5.5	4	112	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
40-200/5.5	7.5	5.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
40-200/7.5	10	7.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
40-200/11	15	11	160	19	22	42	63	M16x1.5	178	114	12	45.3	M8x8
50-125/2.2	3	2.2	90	19	22	24	39	M16x1.5	110	53	8	27.3	M8x8
50-125/3.0	4	3	100	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
50-125/4.0	5.5	4	112	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
50-160/5.5	7.5	5.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
50-160/7.5	10	7.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
50-200/9.2	12.5	9.2	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
50-200/11	15	11	160	19	22	42	63	M16x1.5	178	114	12	45.3	M8x8
50-200/15	20	15	160	22	22	42	63	M18x1.5	209	114	12	45.3	M8x8
65-125/4.0	5.5	4	112	19	22	28	43	M16x1.5	122	63	8	31.3	M8x8
65-125/5.5	7.5	5.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
65-125/7.5	10	7.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
65-160/7.5	10	7.5	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
65-160/9.2	12.5	9.2	132	19	22	38	58	M16x1.5	145	84	10	41.3	M8x8
65-160/11	15	11	160	19	22	42	63	M16x1.5	178	114	12	45.3	M8x8
65-160/15	20	15	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
65-200/15	20	15	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
65-200/18.5	25	18.5	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
65-200/22	30	22	180	24	30	48	72	M20x1.5	184	114	14	51.8	M10x10
65-250/30	40	30	200	24	30	55	85	M20x1.5	184	114	16	59.3	M12x12
65-250/37	50	37	200	24	30	55	85	M20x1.5	184	114	16	59.3	M12x12
80-160/11	15	11	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
80-160/15R	20	15	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
80-160/15	20	15	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
80-160/18.5	25	18.5	160	24	30	42	63	M20x1.5	184	114	12	45.3	M8x8
80-200/22	30	22	180	24	30	48	72	M20x1.5	184	114	14	51.8	M10x10
80-200/30	40	30	200	24	30	55	85	M20x1.5	184	114	16	59.3	M12x12
80-200/37	50	37	200	24	30	55	85	M20x1.5	184	114	16	59.3	M12x12
80-250/37	50	37	200	29	35	55	85	M24x2	206	114	16	59.3	M12x12
80-250/45	60	45	225	29	35	55	85	M24x2	206	114	16	59.3	M12x12
80-250/55	75	55	250	29	35	60	89	M24x2	218	144	18	64.4	M12x12

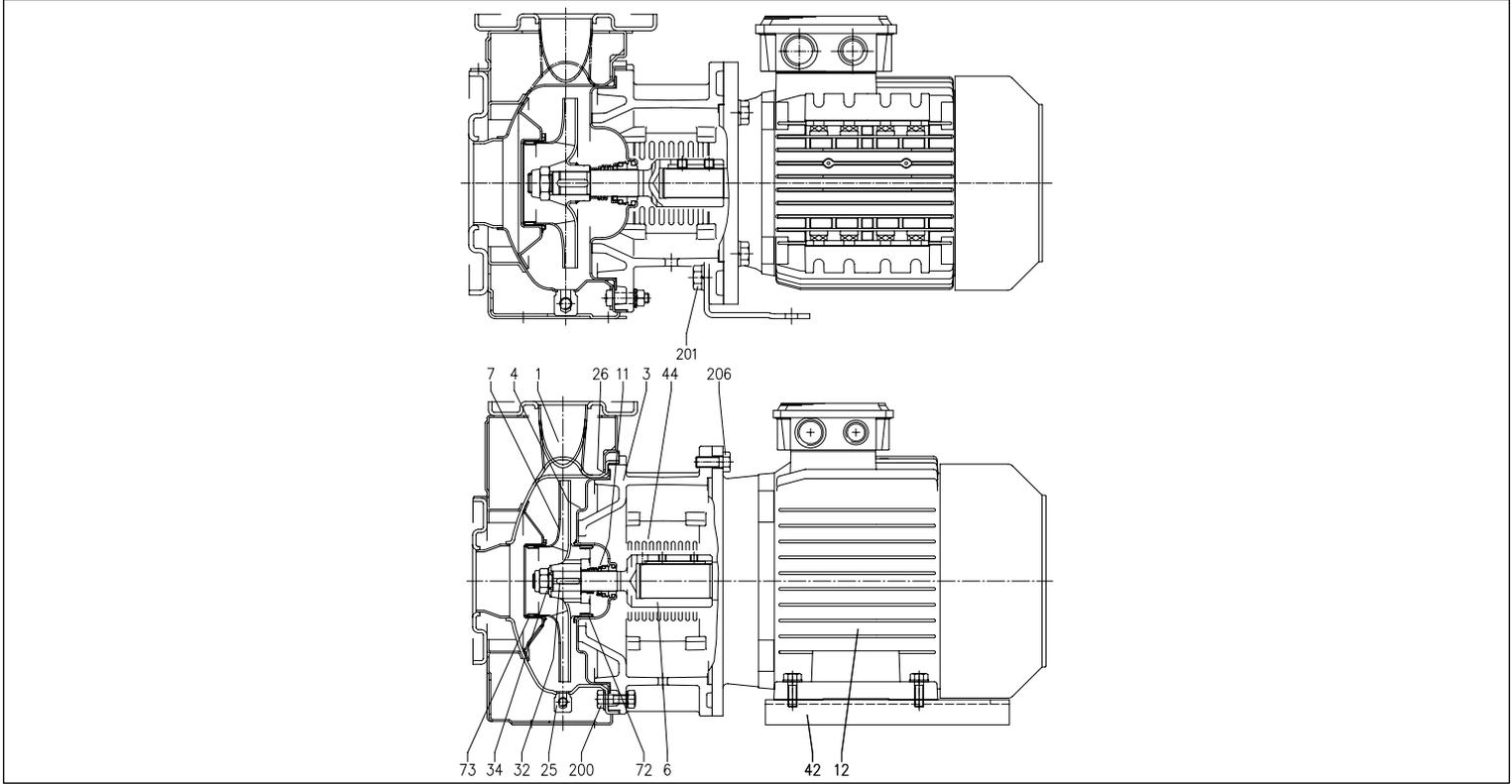
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3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)

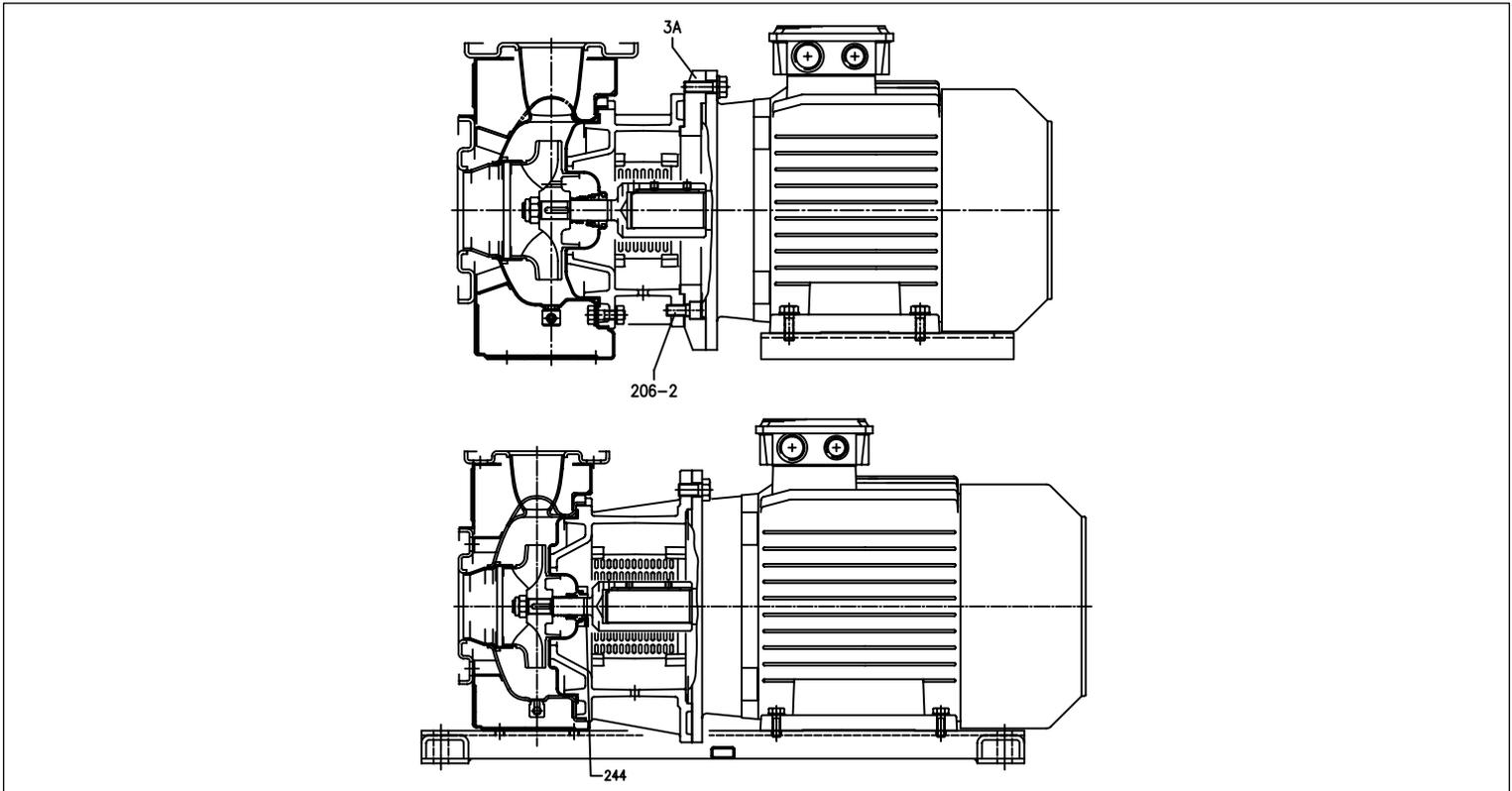
SECTIONAL VIEW 3(L)S 32, 40, 50 SERIES

2 Poles



SECTIONAL VIEW 3(L)S 65 SERIES

2 Poles



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3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

MATERIALS TABLE

Ref.	Name	Materials	
		3S	3LS
001	Pump casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
003	Motor bracket	Cast iron EN-GJL-200-EN 1561	
003A	Adapter ring [1]	Cast iron EN-GJL-200-EN 1561	
004	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
006	Joint - Part in contact with the liquid	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
007	Impeller	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
011	Mechanical seal	Carbon/Ceramic/NBR	Silicon Carbide/Silicon Carbide/FKM
012	Motor	-	
025	Plug	EN 1.4401 (AISI 316) / PTFE	
026	O-Ring	NBR	FKM
032	Key	EN 1.4401 (AISI 316)	
034	Impeller nut	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
042	Motor support	Aluminium / Galvanised steel	
044	Support protection	EN 1.4301 (AISI 304)	
072	Casing ring [2]	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
073	Casing ring (not for 65)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)
200	Screw (pump body)	Stainless steel A2 70 class ISO 3506/1	
201	Screw	Galvanised steel	
206	Support screw	Galvanised steel	
206-2	Adapter ring screw	Galvanised steel	
244	Plug [3]	-	EN 1.4301 (AISI 304)

[1]= For 65-125/5.5 and 65-125/7.5 versions only

[2]= For 32-200, 40-200, 50-160, 50-200 versions only

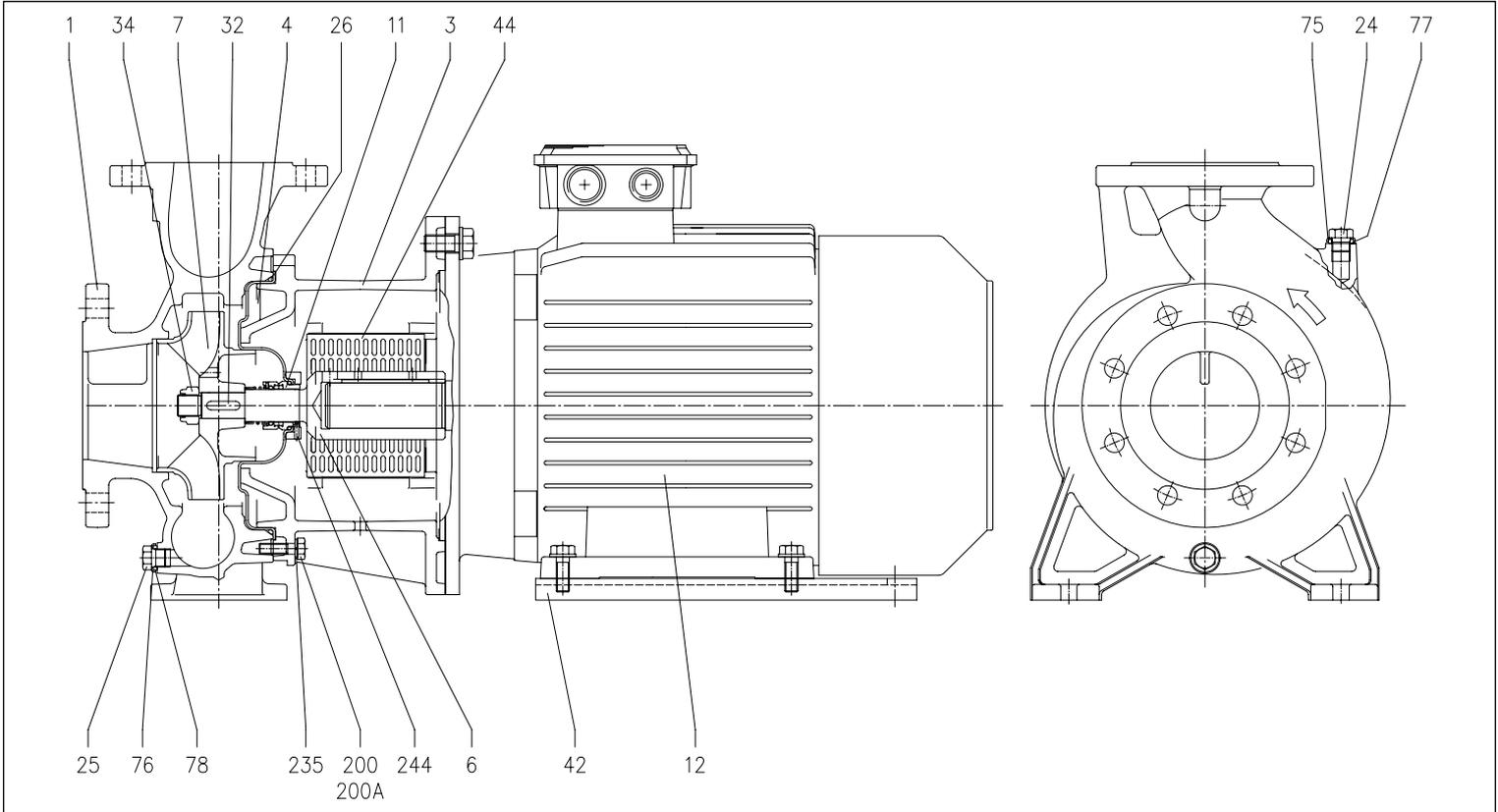
[3]= For 65-160/15, 65-200 versions only

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

SECTIONAL VIEW 3LS 80-160 SERIES

2 Poles



MATERIALS TABLE

Ref.	Name	Materials	Ref.	Name	Materials
001	Pump casing	EN 1.4401 (AISI 316)	034	Impeller nut	EN 1.4404 (AISI 316L)
003	Motor bracket	Cast iron EN-GJL-200-EN 1561	042	Motor support	Aluminium
004	Casing cover	EN 1.4404 (AISI 316L)	044	Support protection	EN 1.4301 (AISI 304)
006	Joint	EN 1.4404 (AISI 316L)	075	Washer	EN 1.4404 (AISI 316L)
007	Impeller	EN 1.4401 (AISI 316)	076	Washer	
011	Mechanical seal	Silicon Carbide/Silicon Carbide/FKM	077	O-Ring	FKM
012	Motor	-	078	O-Ring	
024	Plug	EN 1.4404 (AISI 316L)	200	Screw (pump body)	Stainless steel A2-70/1 class ISO 3506/1
025	Plug	EN 1.4404 (AISI 316L)	235	Washer	EN 1.4301(AISI 304)
026	O-Ring	FKM	244	Plug [1]	EN 1.4301(AISI 304)
032	Key	EN 1.4401 (AISI 316)			

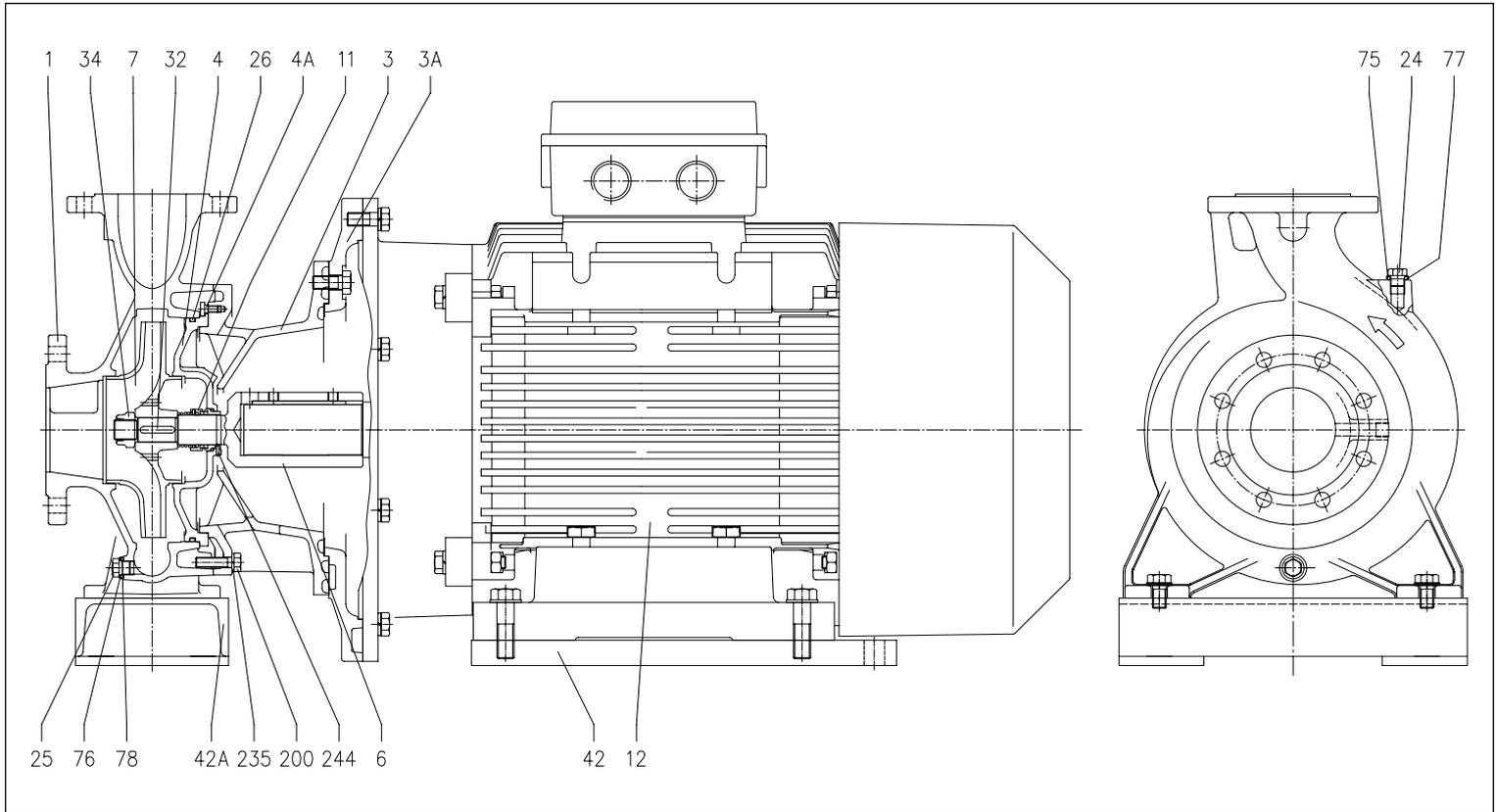
[1]= Not for H and E versions

3 - 3L SERIES

**CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)**

SECTIONAL VIEW 3LS 65-250, 80-200/250 SERIES

2 Poles



MATERIALS TABLE

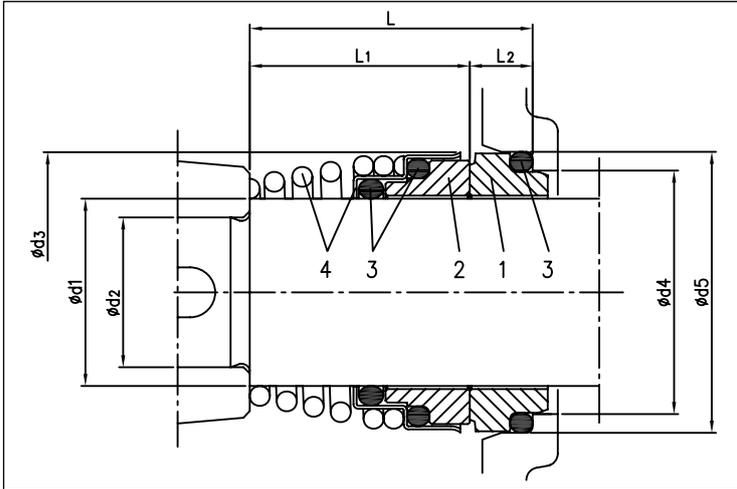
Ref.	Name	Materials	Ref.	Name	Materials
001	Pump casing	EN 1.4401 (AISI 316)			
003	Motor bracket	Cast iron EN-GJL-200-EN 1561	032	Key	65-250 d=24 mm 65-250 d=24 mm 80-250 d=29 mm EN 1.4401 (AISI 316)
003A	Adapter ring	Cast iron EN-GJL-200-EN 1561			
004	Casing cover	EN 1.4401 (AISI 316)			
004A	Casing cover screw disc	EN 1.4301(AISI 304)	034	Impeller nut	65-250 d=24 mm 65-250 d=24 mm 80-250 d=29 mm EN 1.4404 (AISI 316L)
006	Joint	65-250 d=24 mm EN 1.4404 (AISI 316L) per 22 kW EN 1.4462 (duplex steel) per 30-37 kW	042	Motor bracket	Aluminium
		65-250 d=24 mm EN 1.4404 (AISI 316L) per 22 kW EN 1.4462 (duplex steel) per 30-37 kW	042A	Pump bracket	Galvanised aluminium/steel (only for 80-250/55)
		80-250 d=29 mm EN 1.4462 (duplex steel)	076	Washer	EN 1.4404 (AISI 316L)
007	Impeller	EN 1.4401 (AISI 316)	077	O-Ring	FKM
011	Mechanical seal	Silicon Carbide/Silicon Carbide/FKM	078	O-Ring	
012	Motor	-	200	Screw (pump body)	Stainless steel A2-70/1 class ISO 3506/1
024	Plug	EN 1.4404 (AISI 316L)	235	Washer	Steel C70
025	Plug	EN 1.4404 (AISI 316L)	244	Plug [1]	EN 1.4301(AISI 304)
026	O-Ring	FKM			

[1]= Not for H and E versions

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

MECHANICAL SEAL standard version



MATERIALS TABLE

Ref.	Name	Materials	
		3 SERIES	3L SERIES
1	Fixed part	Carbon	Silicon Carbide
2	Rotating part	Ceramic	Silicon Carbide
3	Gasket	NBR	FKM
4	Frame + spring	EN 1.4401 (AISI 316)	EN 1.4571 (AISI 316Ti)

SPECIAL MECHANICAL SEALS 3 SERIES (On request)

Name	Materials				
	H Version	HS Version	HW Version	HSW Version	E Version
Fixed part	Carbon	Silicon Carbide	Tungsten Carbide	Tungsten Carbide	Carbon
Rotating Part	Ceramic	Silicon Carbide	Tungsten Carbide	Silicon Carbide	Ceramic
Elastomers	FKM	FKM	FKM	FKM	EPDM
Spring	AISI 316	AISI 316Ti	AISI 316	AISI 316	AISI 316Ti
Structure/Frame	AISI 316	AISI 316Ti	AISI 316	AISI 316	AISI 316Ti

SPECIAL MECHANICAL SEALS 3L SERIES (On request)

Name	Materials				
	H Version	HW Version	HSW Version	E* Version	ES** Version
Fixed part	Carbon	Tungsten Carbide	Tungsten Carbide	Carbon	Carbon
Rotating Part	Ceramic	Tungsten Carbide	Silicon Carbide	Ceramic	Silicon Carbide
Elastomers	FKM	FKM	FKM	EPDM	EPDM
Spring	AISI 316	AISI 316	AISI 316	AISI 316Ti	AISI 316Ti
Structure/Frame	AISI 316	AISI 316	AISI 316	AISI 316Ti	AISI 316Ti

* Not available for 3 I 80-250 SERIES 2 poles
 ** Available only for 3 I 80-250 SERIES 2 poles

SPECIAL MECHANICAL SEALS 3-3L SERIES (On request)

Name	Materials				
	U3U3EGG Version	U3CEGG Version	Q1Q1EGG Version	Q1U3EGG Version	Q1AEGG Version
Fixed part	Tungsten Carbide	Tungsten Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide
Rotating Part	Tungsten Carbide	Special carbon	Silicon Carbide	Tungsten Carbide	Metallised carbon
Elastomers	EPDM	EPDM	EPDM	EPDM	EPDM
Spring	AISI 316	AISI 316	AISI 316	AISI 316	AISI 316
Structure/Frame	AISI 316	AISI 316	AISI 316	AISI 316	AISI 316

3 - 3L SERIES

**CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733
(EX DIN 24255)**

ELECTRIC DATA TABLE 3(L)S - 3(L)P SERIES

2 Poles

Model		Motor			Efficiency	Efficiency (%) and power factor				Absorbed Current [A]		
		Motor	[HP]	P ₂ [kW]		50%	η % 75%	100%	cos φ	230V	400V	690V
3(L)S(Z) 32-125/1.1	3(L)P 32-125/1.1	80	1,5	1,1	IE3	78,7	81,7	82,7	0,76	4,2	2,4	-
3(L)S(Z) 32-160/1.5	3(L)P 32-160/1.5	90S	2	1,5	IE3	83,2	84,8	84,2	0,85	5,2	3,0	-
3(L)S(Z) 32-160/2.2	3(L)P 32-160/2.2	90L	3	2,2	IE3	85,0	86,2	86,5	0,82	8,0	4,6	-
3(L)S(Z) 32-200/3.0	3(L)P 32-200/3.0	100L	4	3	IE3	82,3	85,8	87,1	0,89	9,7	5,6	-
3(L)S(Z) 32-200/4.0	3(L)P 32-200/4.0	112M	5,5	4	IE3	86,8	87,8	88,1	0,93	12,1	7,0	-
3(L)S(Z) 32-200/5.5	3(L)P 32-200/5.5	132S	7,5	5,5	IE3	88,0	88,5	89,2	0,90	-	10,0	5,8
3(L)S(Z) 32-200/7.5	3(L)P 32-200/7.5	132S	10	7,5	IE3	88,6	89,2	90,1	0,92	-	13,1	7,6
3(L)S(Z) 40-125/1.5	3(L)P 40-125/1.5	90S	2	1,5	IE3	83,2	84,8	84,2	0,85	5,2	3,0	-
3(L)S(Z) 40-125/2.2	3(L)P 40-125/2.2	90L	3	2,2	IE3	85,0	86,2	86,5	0,82	8,0	4,6	-
3(L)S(Z) 40-160/3.0	3(L)P 40-160/3.0	100L	4	3	IE3	82,3	85,8	87,1	0,89	9,7	5,6	-
3(L)S(Z) 40-160/4.0	3(L)P 40-160/4.0	112M	5,5	4	IE3	86,8	87,8	88,1	0,93	12,1	7,0	-
3(L)S(Z) 40-200/5.5	3(L)P 40-200/5.5	132S	7,5	5,5	IE3	88,0	88,5	89,2	0,90	-	10,0	5,8
3(L)S(Z) 40-200/7.5	3(L)P 40-200/7.5	132S	10	7,5	IE3	88,6	89,2	90,1	0,92	-	13,1	7,6
3(L)S(Z) 40-200/11	3(L)P 40-200/11	160M	15	11	IE3	87,4	89,8	91,2	0,89	-	19,7	11,4
3(L)S(Z) 50-125/2.2	3(L)P 50-125/2.2	90L	3	2,2	IE3	85,0	86,2	86,5	0,82	8,0	4,6	-
3(L)S(Z) 50-125/3.0	3(L)P 50-125/3.0	100L	4	3	IE3	82,3	85,8	87,1	0,89	9,7	5,6	-
3(L)S(Z) 50-125/4.0	3(L)P 50-125/4.0	112M	5,5	4	IE3	86,8	87,8	88,1	0,93	12,1	7,0	-
3(L)S(Z) 50-160/5.5	3(L)P 50-160/5.5	132S	7,5	5,5	IE3	88,0	88,5	89,2	0,90	-	10,0	5,8
3(L)S(Z) 50-160/7.5	3(L)P 50-160/7.5	132S	10	7,5	IE3	88,6	89,2	90,1	0,92	-	13,1	7,6
3(L)S(Z) 50-200/9.2	3(L)P 50-200/9.2	132M	12,5	9,2	IE3	88,6	89,8	90,7	0,89	-	16,5	9,5
3(L)S(Z) 50-200/11	3(L)P 50-200/11	160M	15	11	IE3	87,4	89,8	91,2	0,89	-	19,7	11,4
3(L)S(Z) 50-200/15	3(L)P 50-200/15	160M	20	15	IE3	91,0	91,3	91,9	0,89	-	26,7	15,4
3(L)S(Z) 65-125/4	3(L)P 65-125/4	112M	5,5	4	IE3	86,8	87,8	88,1	0,93	12,1	7,0	-
3(L)S(Z) 65-125/5.5	3(L)P 65-125/5.5	132S	7,5	5,5	IE3	88,0	88,5	89,2	0,90	-	10,0	5,8
3(L)S(Z) 65-125/7.5	3(L)P 65-125/7.5	132S	10	7,5	IE3	88,6	89,2	90,1	0,92	-	13,1	7,6
3(L)S(Z) 65-160/7.5	3(L)P 65-160/7.5	132S	10	7,5	IE3	88,6	89,2	90,1	0,92	-	13,1	7,6
3(L)S(Z) 65-160/9.2	3(L)P 65-160/9.2	132M	12,5	9,2	IE3	88,6	89,8	90,7	0,89	-	16,5	9,5
3(L)S(Z) 65-160/11	3(L)P 65-160/11	160M	15	11	IE3	87,4	89,8	91,2	0,89	-	19,7	11,4
3(L)S(Z) 65-160/15	3(L)P 65-160/15	160M	20	15	IE3	91,0	91,3	91,9	0,89	-	26,7	15,4
3(L)S(Z) 65-200/15	3(L)P 65-200/15	160M	20	15	IE3	91,0	91,3	91,9	0,89	-	26,7	15,4
3(L)S(Z) 65-200/18.5	3(L)P 65-200/18.5	160L	25	18,5	IE3	91,6	92,8	92,4	0,88	-	33,0	19,1
3(L)S(Z) 65-200/22	3(L)P 65-200/22	180	30	22	IE3	92,3	92,9	92,9	0,90	-	38,0	22,0
3LS 65-250/30	3LP 65-250/30	200	40	30	IE3	92,8	93,9	94,0	0,89	-	51,8	30,0
3LS 65-250/37	3LP 65-250/37	200	50	37	IE3	93,0	93,9	93,8	0,90	-	62,5	36,0
3LS 80-160/11	3LP 80-160/11	160M	15	11	IE3	87,4	89,8	91,2	0,89	-	19,7	11,4
3LS 80-160/15R	3LP 80-160/15R	160M	20	15	IE3	91,0	91,3	91,9	0,89	-	26,7	15,4
3LS 80-160/15	3LP 80-160/15	160M	20	15	IE3	91,0	91,3	91,9	0,89	-	26,7	15,4
3LS 80-160/18.5	3LP 80-160/18.5	160L	25	18,5	IE3	91,6	92,8	92,4	0,88	-	33,0	19,1
3LS 80-200/22	3LP 80-200/22	180	30	22	IE3	92,3	92,9	92,9	0,90	-	38,0	22,0
3LS 80-200/30	3LP 80-200/30	200	40	30	IE3	92,8	93,9	94,0	0,89	-	51,8	30,0
3LS 80-200/37	3LP 80-200/37	200	50	37	IE3	93,0	93,9	93,8	0,90	-	62,5	36,0
3LS 80-250/37	3LP 80-250/37	200	50	37	IE3	93,0	93,9	93,8	0,90	-	62,5	36,0
3LS 80-250/45	3LP 80-250/45	225	60	45	IE3	93,2	94,6	94,8	0,92	-	74,5	43,0
3LS 80-250/55	3LP 80-250/55	250	75	55	IE3	93,6	94,5	94,4	0,90	-	93,5	54,0

The content of this publication should not be considered mandatory. EBARA Pumps Europe S.p.A. reserves the right to change the content without prior notice.

3 - 3L SERIES

CENTRIFUGAL ELECTRIC PUMPS STANDARDISED IN COMPLIANCE WITH EN 733 (EX DIN 24255)

NOISE DATA TABLE

Model		P ₂		L _{pa} - dB(A)*
Single phase 230V	Three phase 230/400/690V	[HP]	[kW]	
3(.)M 32-125/1.1 M	3(.)M(Z) 32-125/1.1	1.5	1.1	<70
3(.)M 32-160/1.5 M	3(.)M(Z) 32-160/1.5	2.0	1.5	
3(.)M 32-160/2.2 M	3(.)M(Z) 32-160/2.2	3.0	2.2	
-	3(.)M(Z) 32-200/3.0	4.0	3.0	71
-	3(.)M(Z) 32-200/4.0	5.5	4.0	75
-	3(.)M(Z) 32-200/5.5	7.5	5.5	
-	3(.)M(Z) 32-200/7.5	10.0	7.5	
3(.)M 40-125/1.5 M	3(.)M(Z) 40-125/1.5	2.0	1.5	<70
3(.)M 40-125/2.2 M	3(.)M(Z) 40-125/2.2	3.0	2.2	
-	3(.)M(Z) 40-160/3.0	4.0	3.0	71
-	3(.)M(Z) 40-160/4.0	5.5	4.0	75
-	3(.)M(Z) 40-200/5.5	7.5	5.5	
-	3(.)M(Z) 40-200/7.5	10.0	7.5	
-	3(.)M(Z) 40-200/11	15.0	11.0	80
3(.)M 50-125/2.2 M	3(.)M(Z) 50-125/2.2	3.0	2.2	<70
-	3(.)M(Z) 50-125/3.0	4.0	3.0	71
-	3(.)M(Z) 50-125/4.0	5.5	4.0	75
-	3(.)M(Z) 50-160/5.5	7.5	5.5	
-	3(.)M(Z) 50-160/7.5	10.0	7.5	
-	3(.)M(Z) 50-200/9.2	12.5	9.2	80
-	3(.)M(Z) 50-200/11	15.0	11.0	
-	3(.)M(Z) 50-200/15	20.0	15.0	71
-	3(.)M(Z) 65-125/4	5.5	4.0	75
-	3(.)M(Z) 65-125/5.5	7.5	5.5	
-	3(.)M(Z) 65-125/7.5	10.0	7.5	
-	3(.)M(Z) 65-160/7.5	10.0	7.5	80
-	3(.)M(Z) 65-160/9.2	12.5	9.2	
-	3(.)M(Z) 65-160/11	15.0	11.0	
-	3(.)M(Z) 65-160/15	20.0	15.0	83-82
-	3(.)M(Z) 65-200/15	20.0	15.0	
-	3(.)M(Z) 65-200/18.5	25.0	18.5	
-	3(.)M(Z) 65-200/22	30.0	22.0	80
-	3LM 80-160/11	15.0	11.0	
-	3LM 80-160/15R	17.5	13.0	
-	3LM 80-160/15	20.0	15.0	83-82
-	3LM 80-160/18.5	25.0	18.5	

* Mean value of several measurements at 1 m distance around the pump.
Tolerance ± 2.5 dB.

2 Poles

Model		P ₂		L _{pa} - dB(A)*
Single phase 230V	Three phase 230/400/690V	[HP]	[kW]	
3(.)S(Z) 32-125/1.1	3(.)P 32-125/1.1	1.5	1.1	<70
3(.)S(Z) 32-160/1.5	3(.)P 32-160/1.5	2	1.5	
3(.)S(Z) 32-160/2.2	3(.)P 32-160/2.2	3	2.2	
3(.)S(Z) 32-200/3.0	3(.)P 32-200/3.0	4	3	72
3(.)S(Z) 32-200/4.0	3(.)P 32-200/4.0	5.5	4	
3(.)S(Z) 32-200/5.5	3(.)P 32-200/5.5	7.5	5.5	
3(.)S(Z) 32-200/7.5	3(.)P 32-200/7.5	10	7.5	74
3(.)S(Z) 40-125/1.5	3(.)P 40-125/1.5	2	1.5	
3(.)S(Z) 40-125/2.2	3(.)P 40-125/2.2	3	2.2	<70
3(.)S(Z) 40-160/3.0	3(.)P 40-160/3.0	4	3	
3(.)S(Z) 40-160/4.0	3(.)P 40-160/4.0	5.5	4	
3(.)S(Z) 40-200/5.5	3(.)P 40-200/5.5	7.5	5.5	72
3(.)S(Z) 40-200/7.5	3(.)P 40-200/7.5	10	7.5	
3(.)S(Z) 40-200/11	3(.)P 40-200/11	15	11	74
3(.)S(Z) 50-125/2.2	3(.)P 50-125/2.2	3	2.2	<70
3(.)S(Z) 50-125/3.0	3(.)P 50-125/3.0	4	3	
3(.)S(Z) 50-125/4.0	3(.)P 50-125/4.0	5.5	4	
3(.)S(Z) 50-160/5.5	3(.)P 50-160/5.5	7.5	5.5	72
3(.)S(Z) 50-160/7.5	3(.)P 50-160/7.5	10	7.5	
3(.)S(Z) 50-200/9.2	3(.)P 50-200/9.2	12.5	9.2	
3(.)S(Z) 50-200/11	3(.)P 50-200/11	15	11	74
3(.)S(Z) 50-200/15	3(.)P 50-200/15	20	15	
3(.)S(Z) 65-125/4	3(.)P 65-125/4	5.5	4	<70
3(.)S(Z) 65-125/5.5	3(.)P 65-125/5.5	7.5	5.5	72
3(.)S(Z) 65-125/7.5	3(.)P 65-125/7.5	10	7.5	
3(.)S(Z) 65-160/7.5	3(.)P 65-160/7.5	10	7.5	
3(.)S(Z) 65-160/9.2	3(.)P 65-160/9.2	12.5	9.2	74
3(.)S(Z) 65-160/11	3(.)P 65-160/11	15	11	
3(.)S(Z) 65-160/15	3(.)P 65-160/15	20	15	
3(.)S(Z) 65-200/15	3(.)P 65-200/15	20	15	77
3(.)S(Z) 65-200/18.5	3(.)P 65-200/18.5	25	18.5	
3(.)S(Z) 65-200/22	3(.)P 65-200/22	30	22	
3LS 65-250/30	3LP 65-250/30	40	30	78
3LS 65-250/37	3LP 65-250/37	50	37	
3LS 80-160/11	3LP 80-160/11	15	11	74
3LS 80-160/15R	3LP 80-160/15R	20	15	
3LS 80-160/15	3LP 80-160/15	20	15	
3LS 80-160/18.5	3LP 80-160/18.5	25	18.5	77
3LS 80-200/22	3LP 80-200/22	30	22	
3LS 80-200/30	3LP 80-200/30	40	30	78
3LS 80-200/37	3LP 80-200/37	50	37	
3LS 80-250/37	3LP 80-250/37	50	37	
3LS 80-250/45	3LP 80-250/45	60	45	80
3LS 80-250/55	3LP 80-250/55	75	55	81

* Mean value of several measurements at 1 m distance around the pump.
Tolerance ± 2.5 dB.