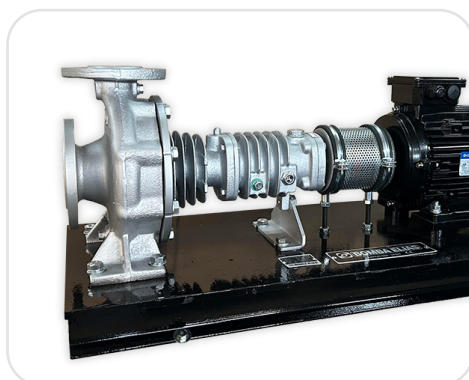




FT Series

ISO 2858 standardized centrifugal pump for heat transfer fluid

EN
22858

Description

- Centrifugal pump for high temperature, standardized according to ISO 2858 (EN 22858).
- It is suitable for thermal fluid applications. It is also suitable for high-temperature applications with other types of fluids, up to 350°C.
- Versions EL-Bare-shaft and SB-Baseplate Mounted, with motor coupled by means of a simple elastic coupling or with a spacer.
- Special-design seal, NV-2 Type, according to EN 12756, with independent direction of rotation.

Materials

Pump casing	GGG-40 ductile cast iron
Impeller	GG-20 cast iron
Pump shaft	420 SS
Heat sink casing and bearing bracket	GG-20 cast iron
Mechanical seal	NV-2 Type (EN12756)
Bearings	Standard deep groove ball bearings

Technical data

Motor	Three-phase according to IEC 60034-30 std.
Efficiency	- IE2 or IE3 for powers > 1 HP - IE1 if the power < 1 HP - It can be supplied up to IE5.
Tension	- Three-phase 230/400 V $\pm$ 10% up to 5,5 HP - Three-phase 400/690 V $\pm$ 10% from 7,5 HP
Poles	2 or 4 depending on the model
Level of protection	IP55
Insulation	F Class

Usage limits

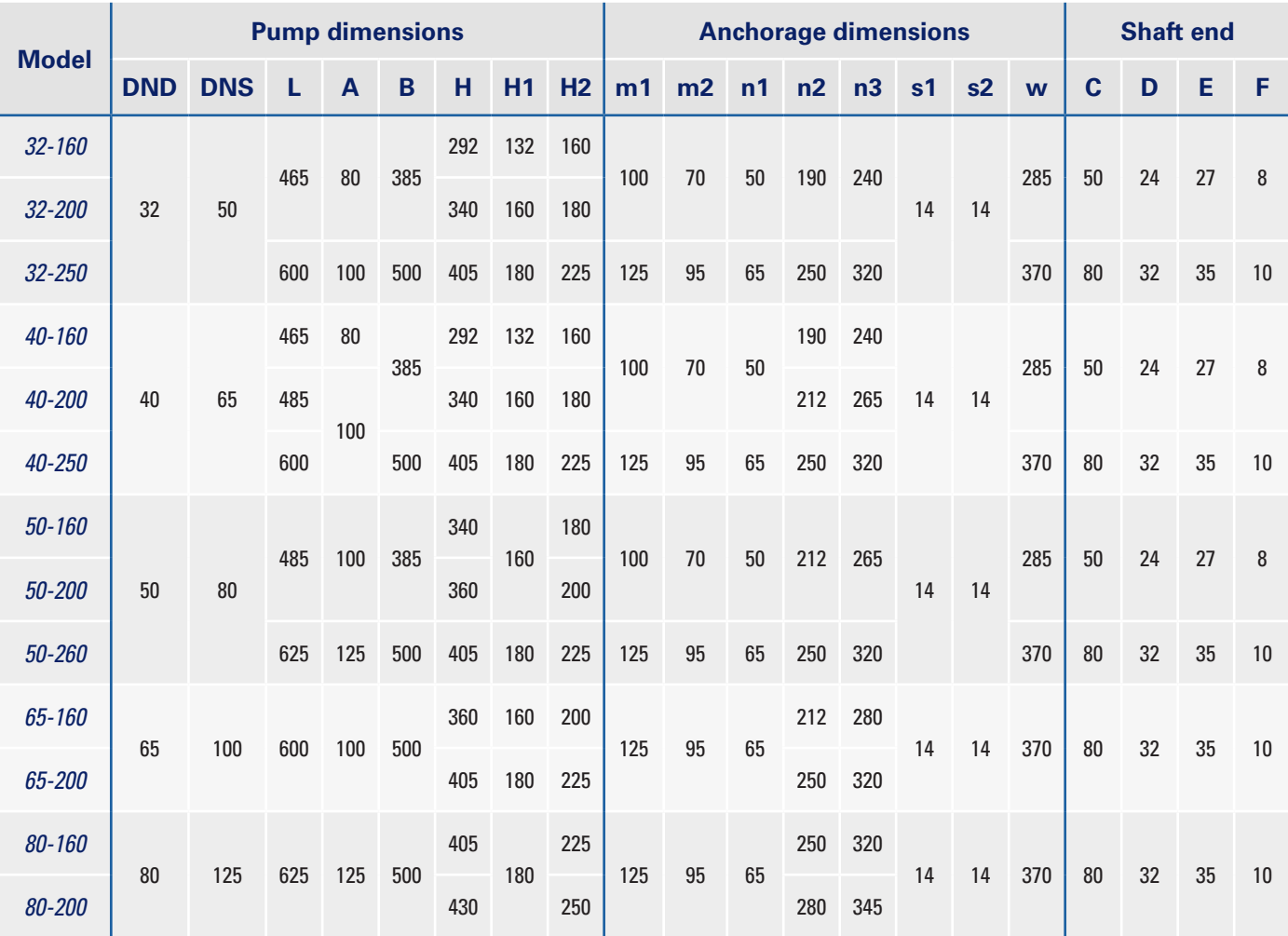
Range of flow rates	Up to 210 m ³ /h
Range of pressures	Up to 10 bar depending on the model
Max. working pressure	16 bar
Max. working temperature	350°C

Connections

	DNS	DND
FT 32-160/200/250	DN50	DN32
FT 40-160/200/250	DN65	DN40
FT 50-160/200/250	DN80	DN50
FT 65-160/200	DN100	DN65
FT 80-160/200	DN125	DN80

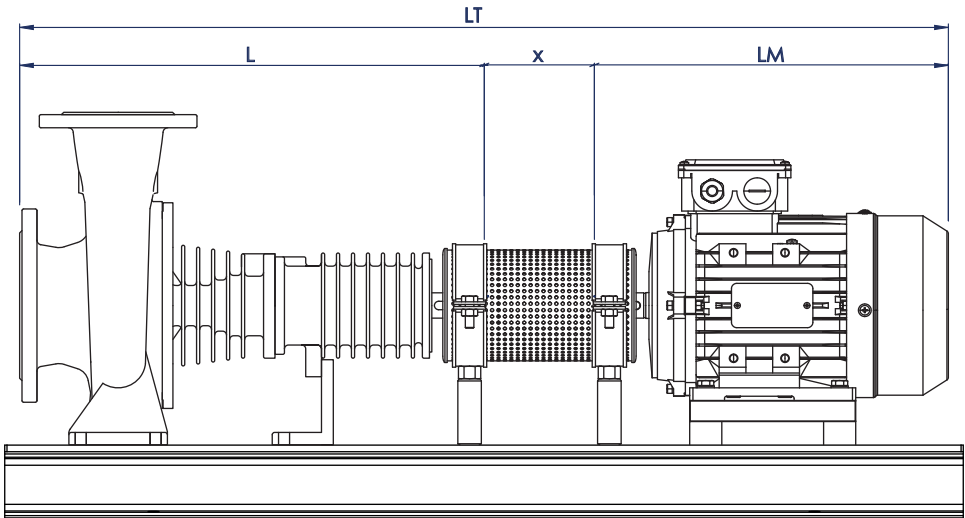


Bare shaft pump dimensions





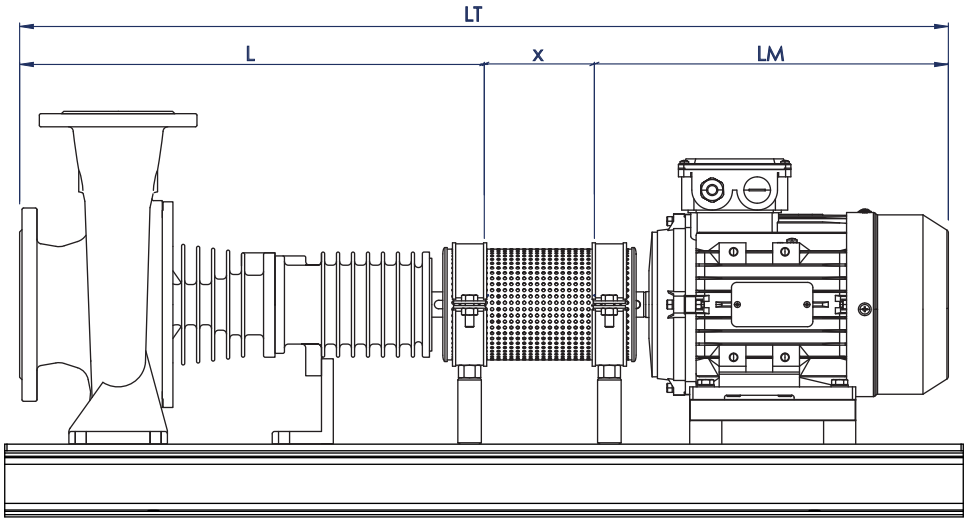
Baseplate-mounted pump dimensions
FOR FLEXIBLE COUPLING WITH SPACER - 1450 AND 2900 RPM



Dimensions are subject to aluminum and cast iron motors IE1 (motor type 71) and IE3 (from motor type 80), according to IEC standards. For motors of different efficiency or ATEX motors, dimensions and base plate may vary, depending on the model.

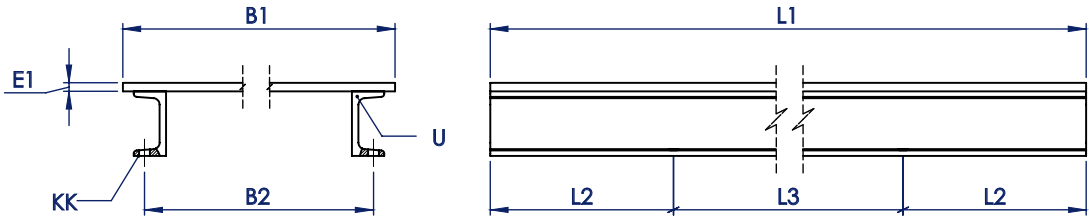
Model	Motor Type	Pump dimensions				Baseplate
		L	x	LM	LT	
32-160	71	465	100	260	825	I
	80			295	860	I
	90S			335	900	II
	90L			365	930	II
	100, 112			400	965	II
	132S			430	995	III
32-200	71	465	100	260	825	I
	80			295	860	I
	90S			335	900	II
	90L			365	930	II
	100, 112			400	965	II
	132S			430	995	III
32-250	80	600	100	295	995	III
	90S			335	1035	III
	90L			365	1065	III
	100, 112			400	1100	IV
	132S			430	1130	IV
	160M			640	1340	VI
40-160	71	465	100	260	825	I
	80			295	860	I
	90S			335	900	II
	90L			365	930	II
	100, 112			400	965	II
	132S			430	995	III

Model	Motor Type	Pump dimensions				Baseplate
		L	x	LM	LT	
40-200	80	485	100	295	880	II
	90S			335	920	II
	90L			365	950	II
	100, 112			400	985	III
	132S			430	1015	III
	160M			640	1225	V
40-250	90L	600	100	365	1065	III
	100, 112			400	1100	IV
	132S			430	1130	IV
	160M, 160L			640	1340	VI
50-160	80	485	100	295	880	II
	90S			335	920	II
	90L			365	950	II
	100, 112			400	985	III
	132S			430	1015	III
50-200	160M, 160L	485	100	640	1225	V
	90S			335	920	II
	90L			365	950	II
	100L, 112M			400	985	III
	132S			430	1015	III
50-250	160M, 160L	625	100	640	1225	V
	90L			365	1090	III
	100, 112			400	1125	IV
	132S			430	1155	IV
	180M			790	1515	VII
	200L			830	1555	VIII



Model	Motor type	Pump dimensions				Baseplate
		L	x	LM	LT	
65-160	90S	600	100	335	1035	III
	90L			365	1065	III
	100, 112			400	1100	IV
	132S			430	1130	IV
	160M			640	1340	VI
65-200	90L	600	100	365	1065	III
	100, 112			400	1100	IV
	132S			430	1130	IV
	160M, 160L			640	1340	VI
	180M, 180			790	1490	VII
	200L			830	1530	VIII
80-160	90L	625	100	365	1090	III
	100L, 112			400	1125	IV
	132S			430	1155	IV
	160M, 160L			640	1365	VI
	180M			790	1515	VII
80-200	100, 112	625	100	400	1125	IV
	132S			430	1155	IV
	160M, 160L			640	1365	VI
	180M			790	1515	VII
	200L			830	1555	VIII

Baseplate dimensions

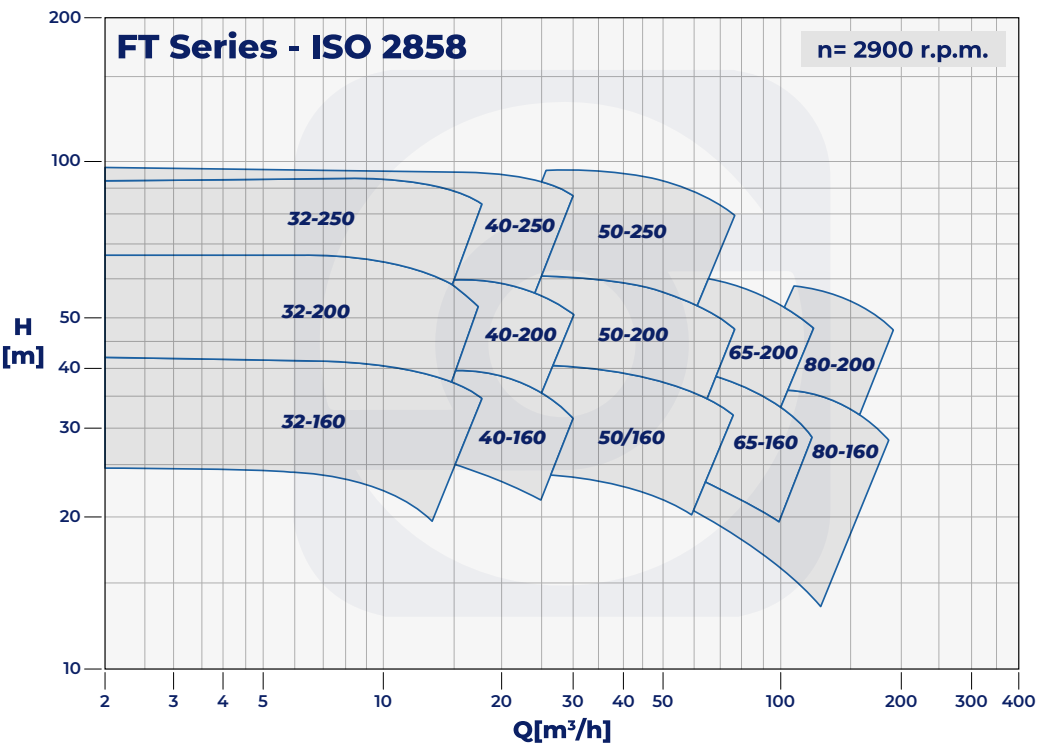


N°	U	B1	B2	L1	L2	L3	E1	KK
0	60x30	260	220	765	125	515	6	10
I	60x30	370	330	870	135	600	6	10
II	60x30	390	350	980	140	700	6	10
III	60x30	425	385	1100	170	760	8	10
IV	60x30	475	435	1200	200	800	8	10
V	60x30	500	460	1310	230	850	8	10
VI	100x50	525	475	1420	260	900	10	12
VII	100x50	575	525	1540	290	960	10	12
VIII	100x50	625	575	1680	320	1040	10	12
IX	100x50	675	625	1820	350	1120	10	12
X	100x50	775	725	1980	380	1220	10	12



Pump selection charts

$n = 2900 \text{ r.p.m.} / 50 \text{ Hz}$



$n = 1450 \text{ r.p.m.} / 50 \text{ Hz}$

