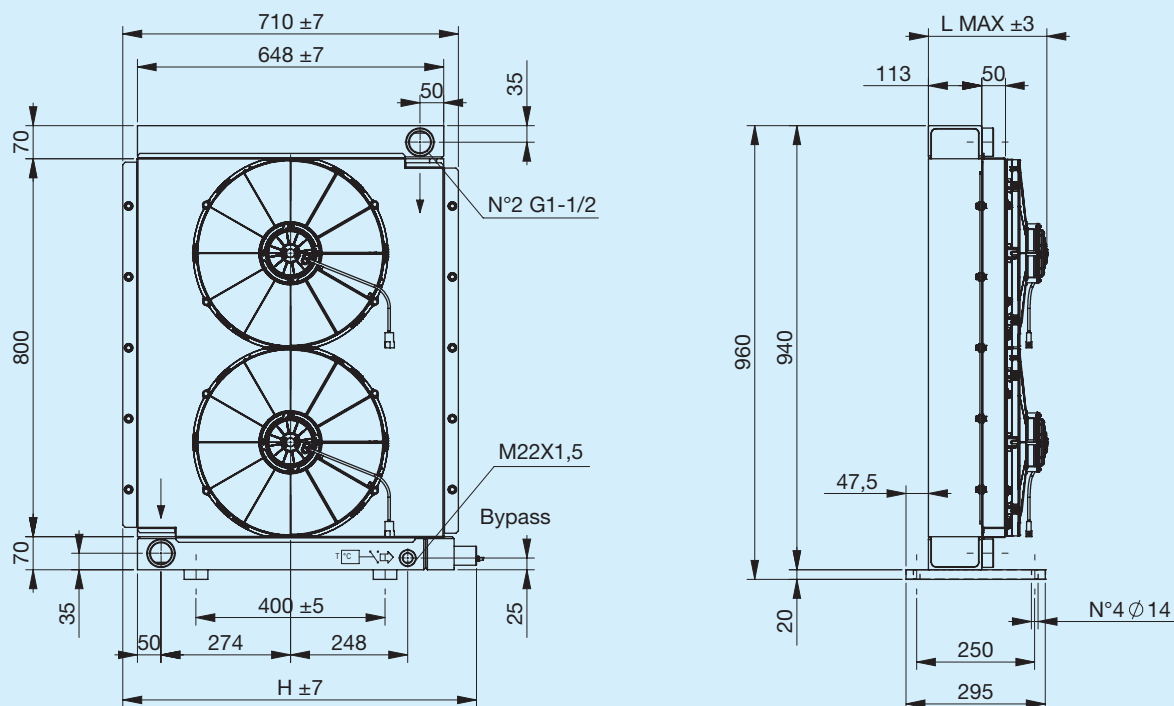


A83

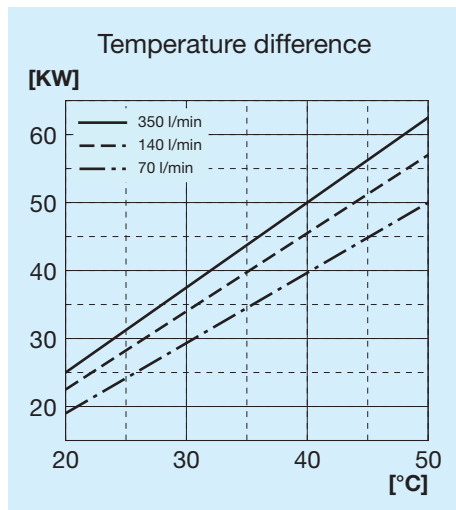


Before using the heat exchanger, carefully read the document entitled GENERAL INSTRUCTIONS FOR HEAT EXCHANGER USE.

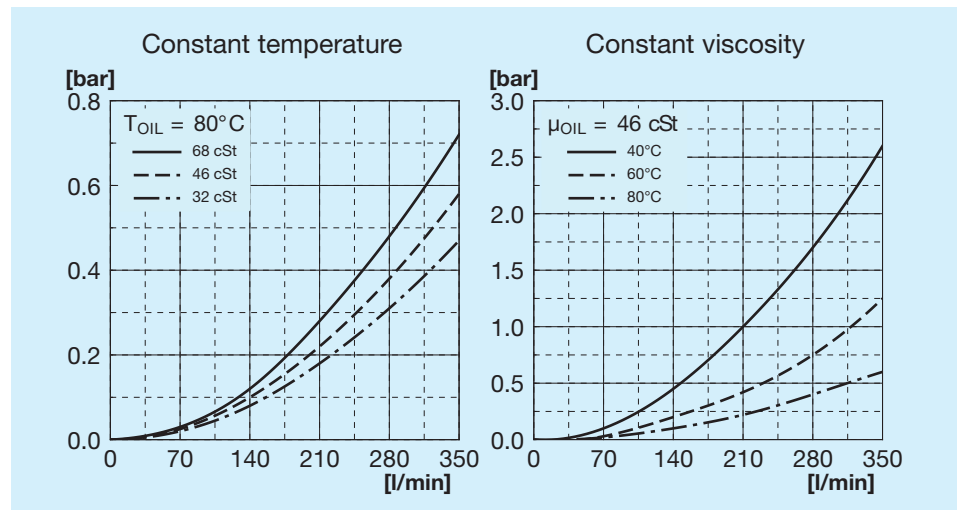


Code	Description	Ø Fan mm	Air flow rate m³/h	Voltage V	Current A	L Max mm	H mm	Weight Kg	Capacity l
FR633243103	A83 2EAP 12V bypass T15 V.T. 6 bar 50°C	2X385	2X2850	12	2X22	250	749	45	23
FR633243104	A83 2ESP 12V bypass T15 V.T. 6 bar 50°C	2X385	2X3070	12	2X22	250	749	45	23
FR633241003	A83 2EAP 12V bypass T15 VNR 4.5 bar	2X385	2X2850	12	2X22	250	711	45	23
FR633241004	A83 2ESP 12V bypass T15 VNR 4.5 bar	2X385	2X3070	12	2X22	250	711	45	23
FR633243113	A83 2EAP 24V bypass T15 V.T. 6 bar 50°C	2X385	2X3070	24	2X11	250	749	45	23
FR633243114	A83 2ESP 24V bypass T15 V.T. 6 bar 50°C	2X385	2X3180	24	2X11	250	749	45	23
FR633241013	A83 2EAP 24V bypass T15 VNR 4.5 bar	2X385	2X3070	24	2X11	250	711	45	23
FR633241014	A83 2ESP 24V bypass T15 VNR 4.5 bar	2X385	2X3180	24	2X11	250	711	45	23
FR633240003	A83 2EAP 12V	2X385	2X2850	12	2X22	250	710	45	23
FR633240004	A83 2ESP 12V	2X385	2X3070	12	2X22	250	710	45	23
FR633240013	A83 2EAP 24V	2X385	2X3070	24	2X11	250	710	45	23
FR633240014	A83 2ESP 24V	2X385	2X3180	24	2X11	250	710	45	23

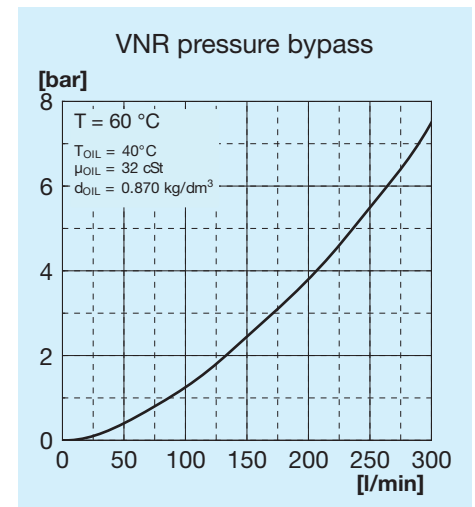
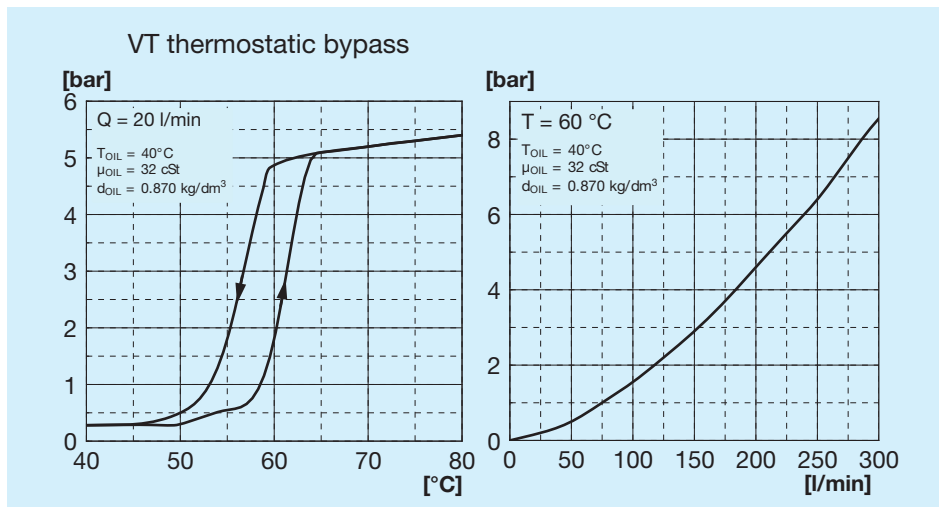
Heat exchange (thermal) capacity



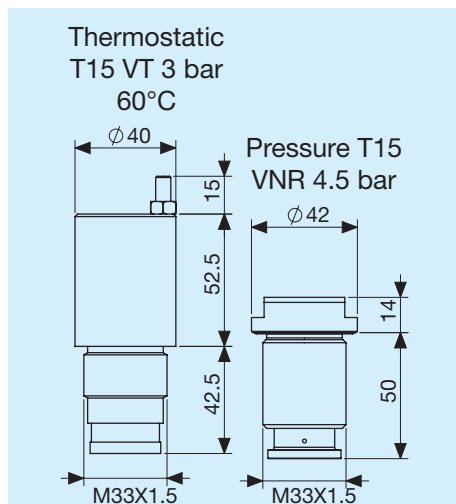
Radiator passage pressure drop



Bypass passage load loss

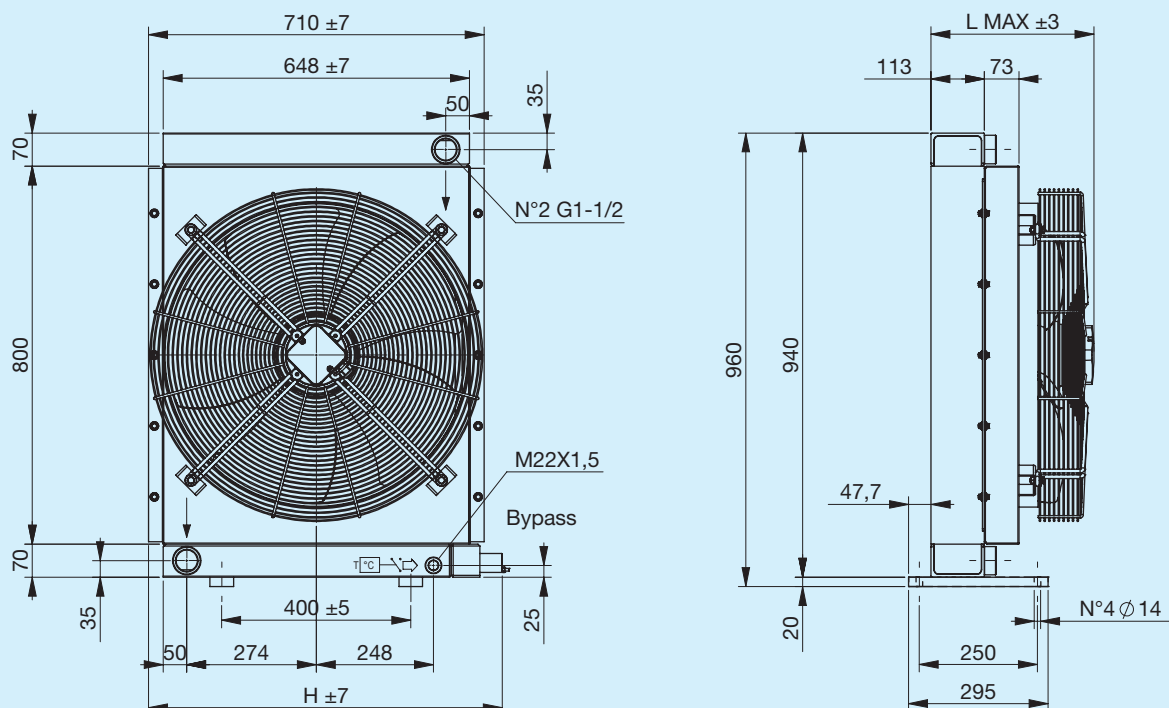


Bypass valves



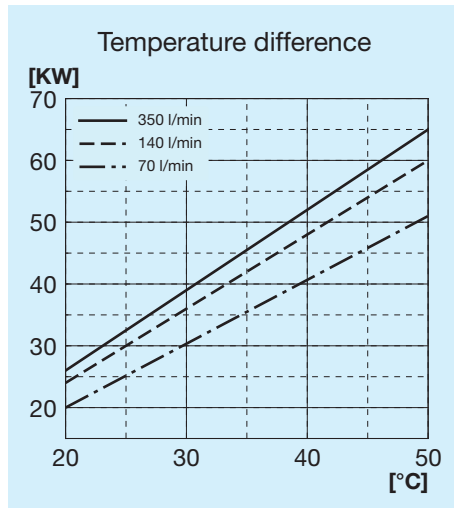
Legend

A83	Exchanger type
1E	1 Fan unit
A	Aspirating
S	Blowing
AP	High power aspirating
SP	High power blower
AX	Extra high power aspirating
SX	Extra high power blower
12V	Fan unit voltage
24V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

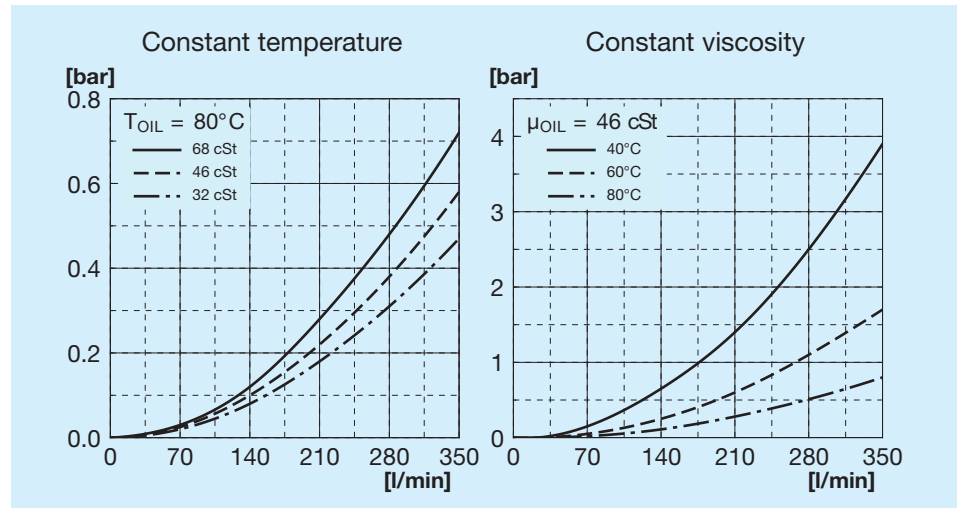


Code	Description	Ø Fan mm	Power W	Frequen- cy Hz	Speed min ⁻¹	Pro- tection IP	L Max mm	H mm	Weight Kg	Capacity l
FR633243131	A83 1EA 230V bypass T15 V.T. 6 bar 50°C	630	600	50	860	54	359	749	52	23
FR633243132	A83 1ES 230V bypass T15 V.T. 6 bar 50°C	630	600	50	860	54	359	749	52	23
FR633241031	A83 1EA 230V bypass T15 VNR 4.5 bar	630	600	50	860	54	359	711	52	23
FR633241032	A83 1ES 230V bypass T15 VNR 4.5 bar	630	600	50	860	54	359	711	52	23
FR633243121	A83 1EA 400V bypass T15 V.T. 6 bar 50°C	630	570 920	50 60	900 990	54	359	749	52	23
FR633243122	A83 1ES 400V bypass T15 V.T. 6 bar 50°C	630	640 790	50 60	890 1005	54	359	749	52	23
FR633241021	A83 1EA 400V bypass T15 VNR 4.5 bar	630	570 920	50 60	900 990	54	359	711	52	23
FR633241022	A83 1ES 400V bypass T15 VNR 4.5 bar	630	640 790	50 60	890 1005	54	359	711	52	23
FR633240031	A83 1EA 230V	630	600	50	860	54	359	710	52	23
FR633240032	A83 1ES 230V	630	600	50	860	54	359	710	52	23
FR633240021	A83 1EA 400V	630	570 920	50 60	900 990	54	359	710	52	23
FR633240022	A83 1ES 400V	630	640 790	50 60	890 1005	54	359	710	52	23

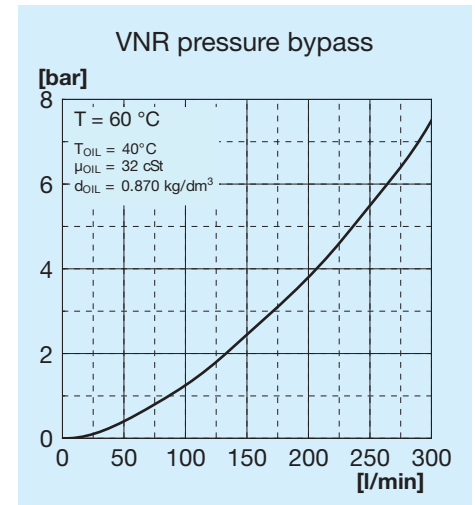
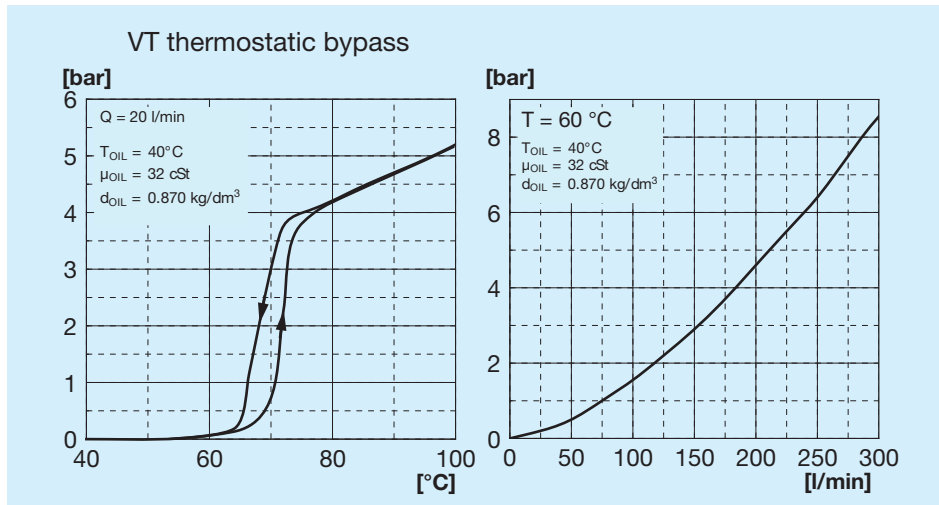
Heat exchange (thermal) capacity



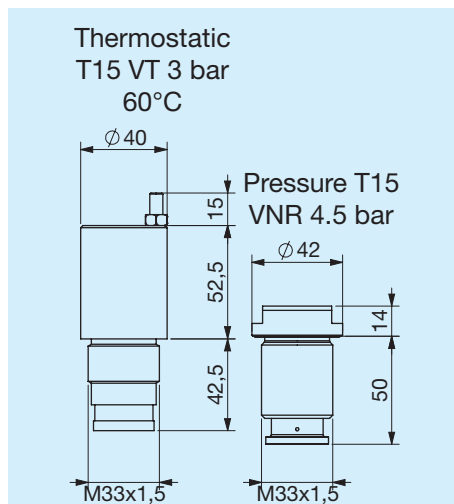
Radiator passage pressure drop



Bypass passage load loss

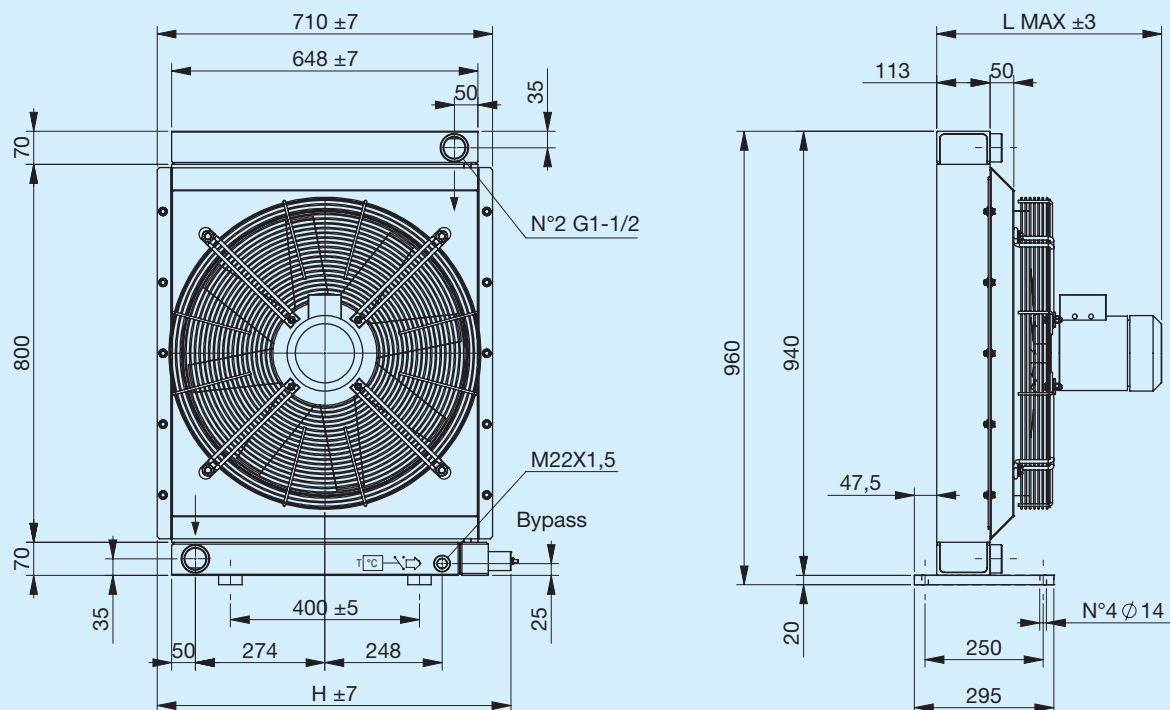


Bypass valves



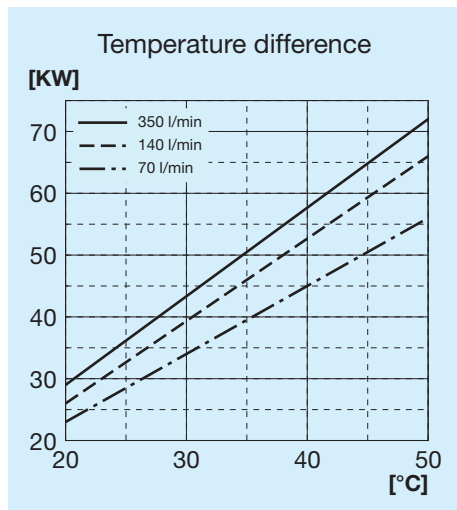
Legend

A83	Exchanger type
1E	1 Fan unit
A	Aspirating
S	Blowing
230V	Fan unit voltage
400V	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

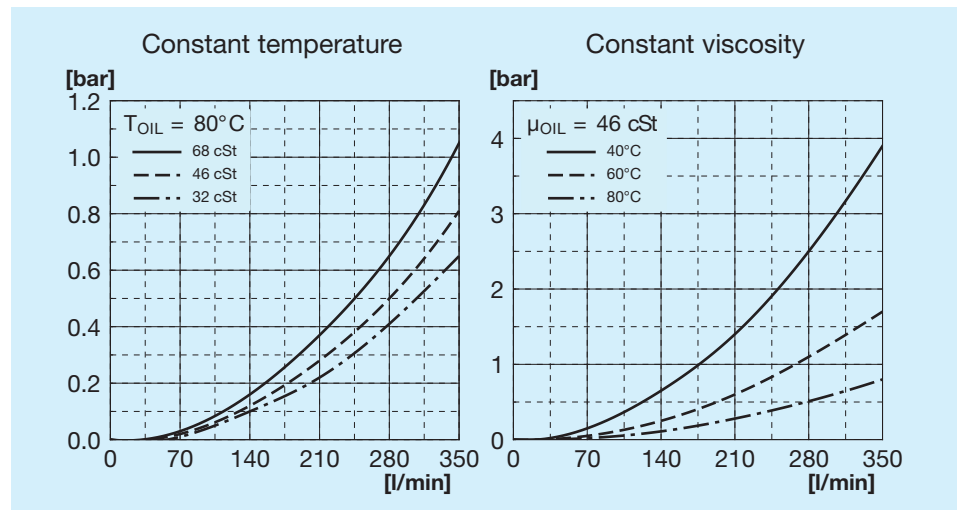


Code	Description	Ø Fan mm	Power W	Frequen- cy Hz	Speed min ⁻¹	Pro- tection IP	L Max mm	H mm	Weight Kg	Capacity l
FR633243141	A83 1EA 220V-B14 bypass T15 V.T. 6 bar 50°C	580	750	50	1390	65	477	749	60.5	23
FR633243142	A83 1EA 220V-B14 bypass T15 V.T. 6 bar 50°C	580	750	50	1390	65	477	749	60.5	23
FR633241041	A83 1EA 220V-B14 bypass T15 VNR 4.5 bar	580	750	50	1390	65	477	711	60.5	23
FR633241042	A83 1EA 220V-B14 bypass T15 VNR 4.5 bar	580	750	50	1390	65	477	711	60.5	23
FR633243151	A83 1EA 380V-B14 bypass T15 V.T. 6 bar 50°C	580	750	50	1390	65	477	749	60.5	23
FR633243152	A83 1ES 380V-B14 bypass T15 V.T. 6 bar 50°C	580	750	50	1390	65	477	749	60.5	23
FR633241051	A83 1EA 380V-B14 bypass T15 VNR 4.5 bar	580	750	50	1390	65	477	711	60.5	23
FR633241052	A83 1ES 380V-B14 bypass T15 VNR 4.5 bar	580	750	50	1390	65	477	711	60.5	23
FR633240041	A83 1EA 220V-B14	580	750	50	1390	65	477	710	60.5	23
FR633240042	A83 1ES 220V-B14	580	750	50	1390	65	477	710	60.5	23
FR633240051	A83 1EA 380V-B14	580	750	50	1390	65	477	710	60.5	23
FR633240052	A83 1ES 380V-B14	580	750	50	1390	65	477	710	60.5	23

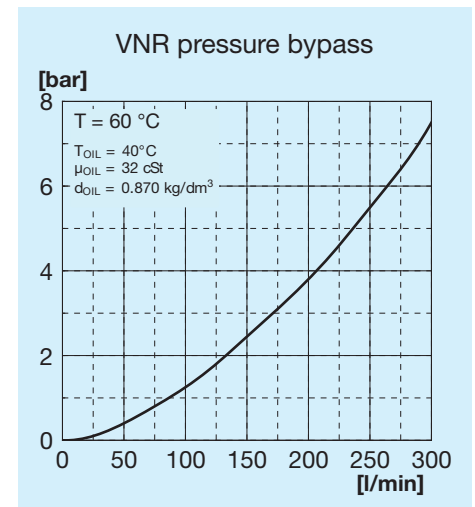
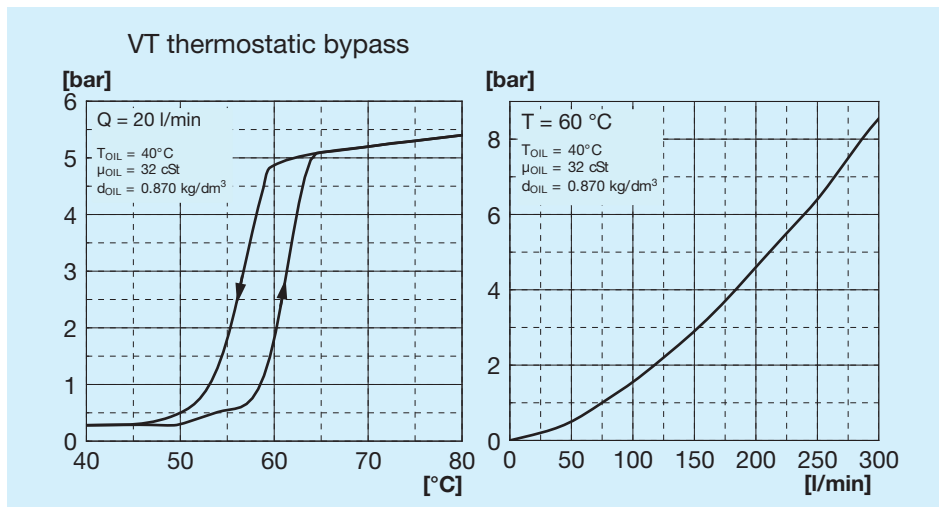
Heat exchange (thermal) capacity



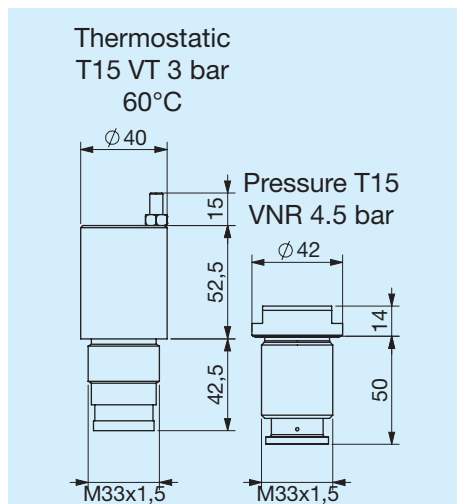
Radiator passage pressure drop



Bypass passage load loss

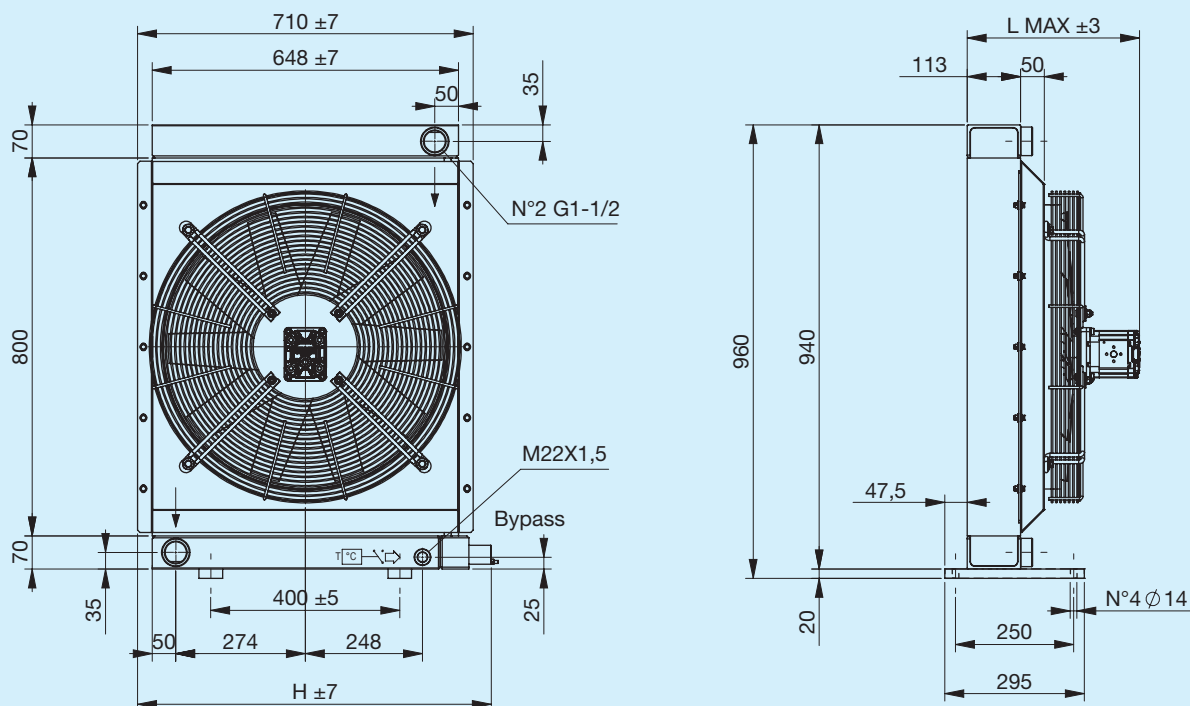


Bypass valves



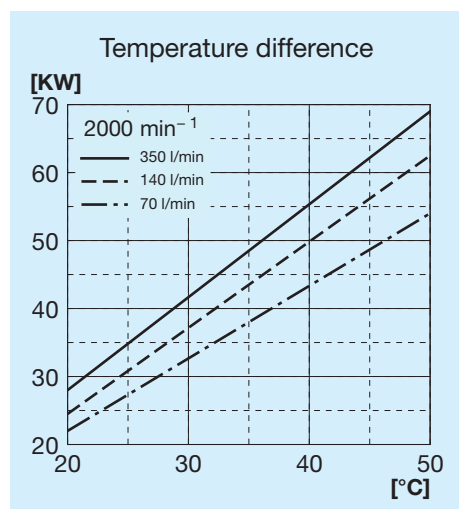
Legend

A83	Exchanger type
1E	1 Fan unit
A	Aspirating
S	Blowing
230V B14	Fan unit voltage
400V B14	Fan unit voltage
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

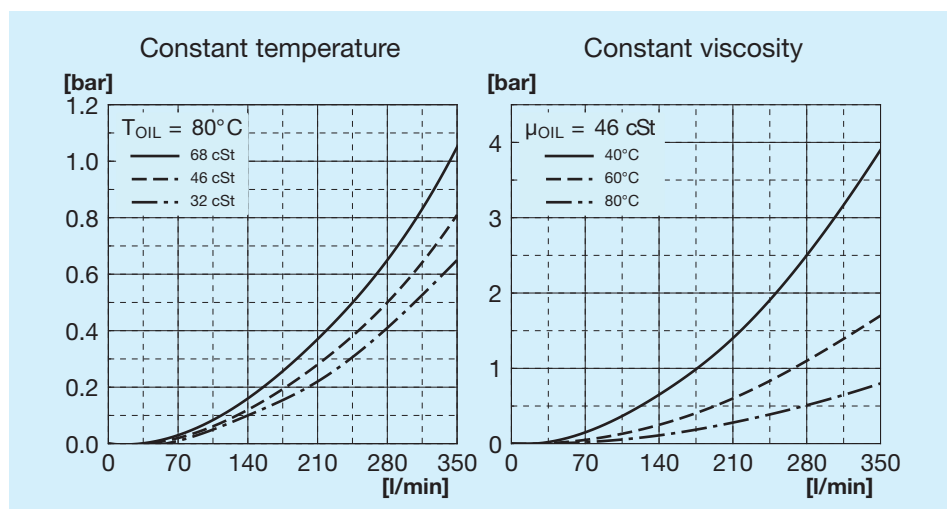


Code	Description	Ø Fan mm	Motor displace- ment cm ³ /h	L Max mm	H mm	Weight Kg	Capacity l
FR634243101	A83 IA SETT.GR2 bypass T15 V.T. 6 bar 50°C	580	—	300	749	53	23
FR634243102	A83 IS SETT.GR2 bypass T15 V.T. 6 bar 50°C	580	—	300	749	53	23
FR634241001	A83 IA SETT.GR2 bypass T15 VNR 4.5 bar	580	—	300	711	53	23
FR634241002	A83 IS SETT.GR2 bypass T15 VNR 4.5 bar	580	—	300	711	53	23
FR634243113	A83 IA HYDR.MOT. GR2 bypass T15 V.T. 6 bar 50°C	580	11	360	749	54	23
FR634243114	A83 IS HYDR.MOT. GR2 bypass T15 V.T. 6 bar 50°C	580	11	360	749	54	23
FR634241013	A83 IA HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	580	11	360	711	54	23
FR634241014	A83 IS HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	580	11	360	711	54	23
FR634240001	A83 IA SETT.GR2	580	—	300	710	53	23
FR634240002	A83 IS SETT.GR2	580	—	300	710	53	23
FR634240013	A83 IA HYDR.MOT. GR2	580	11	360	710	54	23
FR634240014	A83 IS HYDR.MOT. GR2	580	11	360	710	54	23

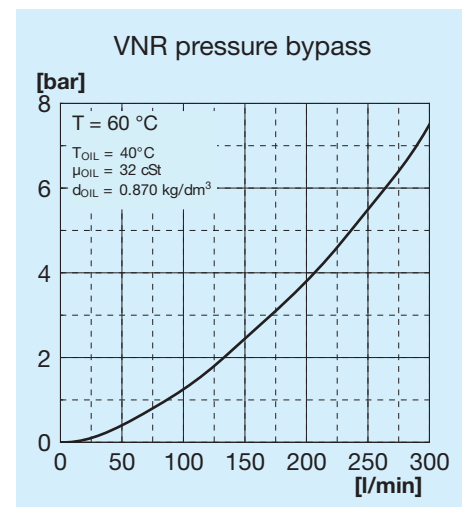
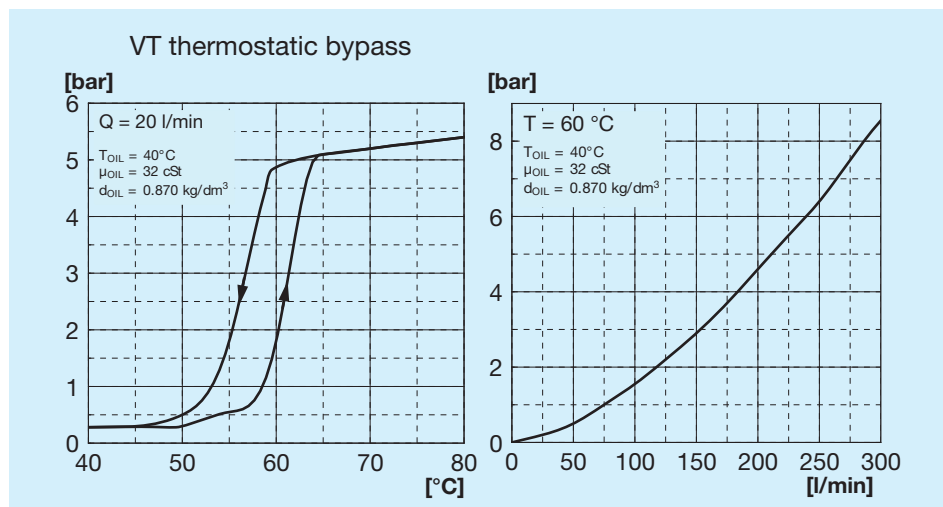
Heat exchange (thermal) capacity



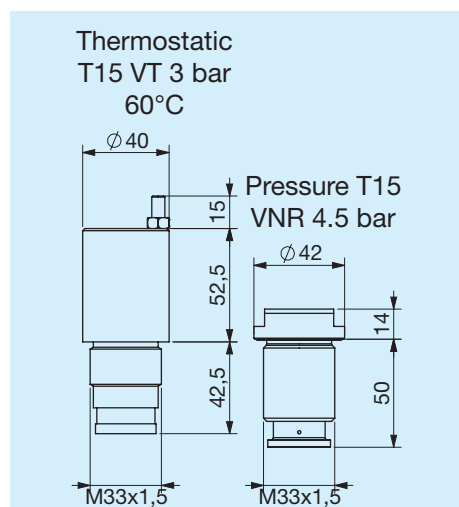
Radiator passage pressure drop



Bypass passage load loss



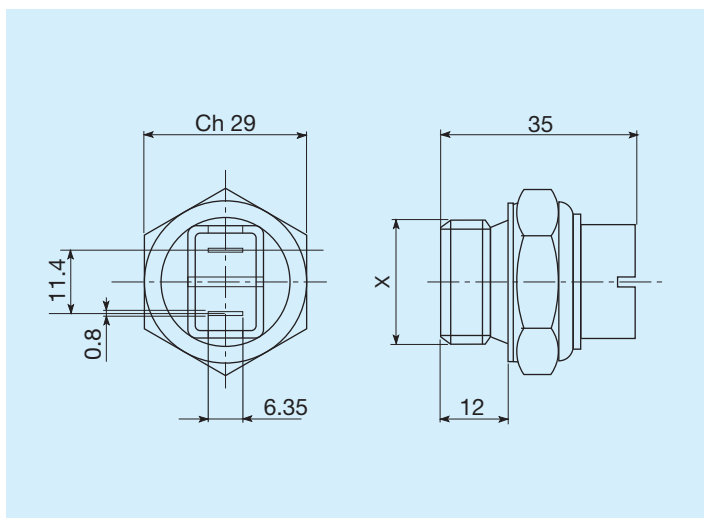
Bypass valves



Legend

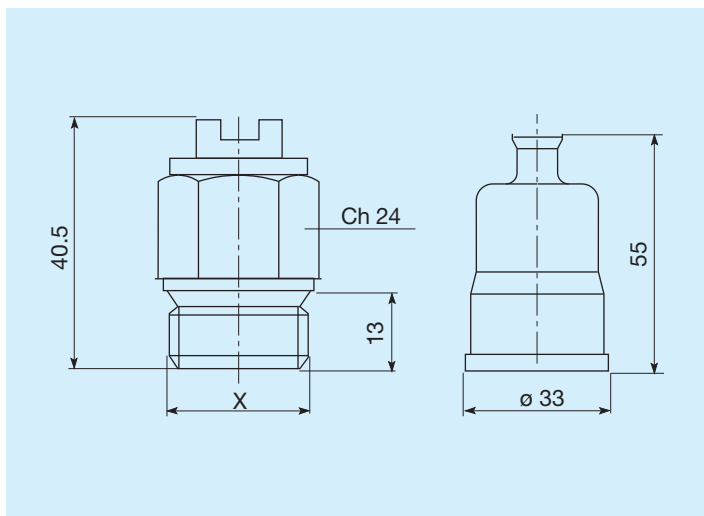
A83	Exchanger type
IA	Hydraulic aspirating
IS	Hydraulic blowing
SETT.	With motor mounting
HYD. MOT.	With integrated motor mounting
GR1	Group 1
GR2	Group 2
T15 VT	Thermostatic bypass valve 3 bar 60°C
T15 VNR	Pressure bypass valve at 4.5 bar

Thermostats



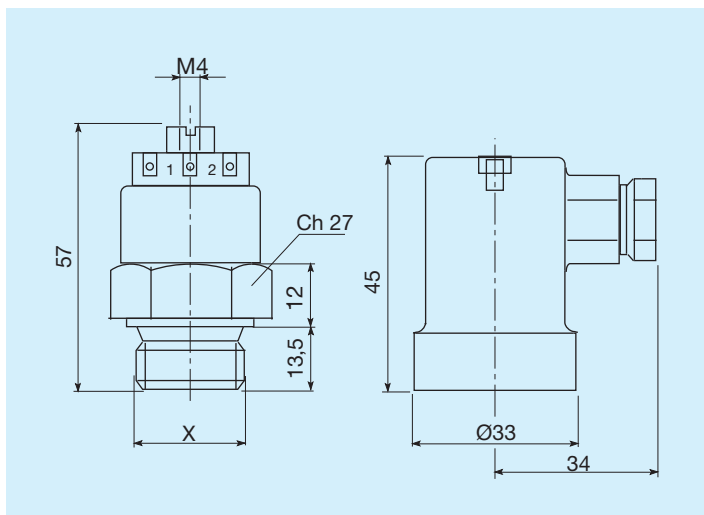
Trigger temperature C°	Threading	Code
45 - 35	M22x1.5	FR361104535R
60 - 50	M22x1.5	FR361106050R
80 - 70	M22x1.5	FR361108070R
82 - 68	M22x1.5	FR361108268R
85 - 76	M22x1.5	FR361108576R

IP54 protected thermal switch



Trigger temperature C°	Threading	Code
45 - 35	M22x1.5	FR361124535R
50 - 40	M22x1.5	FR361125040R
60 - 50	M22x1.5	FR361126050R
70 - 60	M22x1.5	FR361127060R
80 - 70	M22x1.5	FR361128070R

IP65 protected thermal switch



Trigger temperature C°	Threading	Code
45 - 35	M22x1.5	FR361154535R
47 - 36	M22x1.5	FR361155040R
60 - 50	M22x1.5	FR361156050R
80 - 70	M22x1.5	FR361158070R