A70

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

Support foot not included (see Accessories)

Code	Description	Ø Fan	Air flow rate	Voltage	Current	L Max	H	Weight	Capacity
		mm	m³/h	V	A	mm	mm	Kg	l
FR633233105	A70 1EAX 12V bypass T15 V.T. 3 bar 60°C	385	2850	12	19,7	230	585	22	10.5
FR633233106	A70 1ESX 12V bypass T15 V.T. 3 bar 60°C	385	3070	12	18,7	230	585	22	10.5
FR633231005	A70 1EAX 12V bypass T15 VNR 4.5 bar	385	2850	12	19,7	230	569	22	10.5
FR633231006	A70 1ESX 12V bypass T15 VNR 4.5 bar	385	3070	12	18,7	230	569	22	10.5
FR633233115	A70 1EAX 24V bypass T15 V.T. 3 bar 60°C	385	3070	24	10	230	585	22	10.5
FR633233116	A70 1ESX 24V bypass T15 V.T. 3 bar 60°C	385	3180	24	9,4	230	585	22	10.5
FR633231015	A70 1EAX 24V bypass T15 VNR 4.5 bar	385	3070	24	10	230	569	22	10.5
FR633231016	A70 1ESX 24V bypass T15 VNR 4.5 bar	385	3180	24	9,4	230	569	22	10.5
FR633230005	A70 1EAX 12V	385	2850	12	19,7	230	588	22	10.5
FR633230006	A70 1ESX 12V	385	3070	12	18,7	230	588	22	10.5
FR633230015	A70 1EAX 24V	385	3070	24	10	230	588	22	10.5
FR633230016	A70 1ESX 24V	385	3180	24	9,4	230	588	22	10.5

Characteristic curves

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A70	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

Support foot not included (see Accessories)

Code	Description	Ø Fan	Power	Frequency	Speed	Protection	L Max	H	Weight	Capacity
		mm	W	Hz	min-¹	IP	mm	mm	Kg	l
FR633233131	**A70 1EA 230V bypass T15 V.T. 3 bar 60°C**	400	240	50 60	1430 1700	44	269	585	22	10.5
FR633233132	**A70 1ES 230V bypass T15 V.T. 3 bar 60°C**	400	240	50 60	1430 1700	44	269	585	22	10.5
FR633231031	**A70 1EA 230V bypass T15 VNR 4.5 bar**	400	240	50 60	1430 1700	44	269	569	22	10.5
FR633231032	**A70 1ES 230V bypass T15 VNR 4.5 bar**	400	240	50 60	1430 1700	44	269	569	22	10.5
FR633233121	**A70 1EA 400V bypass T15 V.T. 3 bar 60°C**	400	185	50 60	1450 1690	44	269	585	22	10.5
FR633233122	**A70 1ES 400V bypass T15 V.T. 3 bar 60°C**	400	185	50 60	1450 1690	44	269	585	22	10.5
FR633231021	**A70 1EA 400V bypass T15 VNR 4.5 bar**	400	185	50 60	1450 1690	44	269	569	22	10.5
FR633231022	**A70 1ES 400V bypass T15 VNR 4.5 bar**	400	185	50 60	1450 1690	44	269	569	22	10.5
FR633230031	**A70 1EA 230V**	400	240	50 60	1430 1700	44	269	588	22	10.5
FR633230032	**A70 1ES 230V**	400	240	50 60	1430 1700	44	269	588	22	10.5
FR633230021	**A70 1EA 400V**	400	185	50 60	1450 1690	44	269	588	22	10.5
FR633230022	**A70 1ES 400V**	400	185	50 60	1450 1690	44	269	588	22	10.5

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A70	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

Support foot not included (see Accessories)

Code	Description	Ø Fan	Power	Frequency	Speed	Protection	L Max	H	Weight	Capacity
		mm	W	Hz	min-¹	IP	mm	mm	Kg	l
FR633233141	**A70 1EA 230V-B14 bypass T15 V.T. 3 bar 60°C**	440	750	50	1390	65	475	585	30.5	10.5
FR633233142	**A70 1ES 230V-B14 bypass T15 V.T. 3 bar 60°C**	440	750	50	1390	65	475	585	30.5	10.5
FR633231041	**A70 1EA 230V-B14 bypass T15 VNR 4.5 bar**	440	750	50	1390	65	475	569	30.5	10.5
FR633231042	**A70 1ES 230V-B14 bypass T15 VNR 4.5 bar**	440	750	50	1390	65	475	569	30.5	10.5
FR633233151	**A70 1EA 400V-B14 bypass T15 V.T. 3 bar 60°C**	440	750	50	1390	65	475	585	30.5	10.5
FR633233152	**A70 1ES 400V-B14 bypass T15 V.T. 3 bar 60°C**	440	750	50	1390	65	475	585	30.5	10.5
FR633231051	**A70 1EA 400V-B14 bypass T15 VNR 4.5 bar**	440	750	50	1390	65	475	569	30.5	10.5
FR633231052	**A70 1ES 400V-B14 bypass T15 VNR 4.5 bar**	440	750	50	1390	65	475	569	30.5	10.5
FR633230041	**A70 1EA 230V-B14**	440	750	50	1390	65	475	588	30.5	10.5
FR633230042	**A70 1ES 230V-B14**	440	750	50	1390	65	475	588	30.5	10.5
FR633230051	**A70 1EA 400V-B14**	440	750	50	1390	65	475	588	30.5	10.5
FR633230052	**A70 1ES 400V-B14**	440	750	50	1390	65	475	588	30.5	10.5

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A70	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

Support foot not included (see Accessories)

Code	Description	Ø Fan mm	Motor displacement cm3	L Max mm	H mm	Weight Kg	Capacity l
FR634233101	A70 IA SETT.GR2 bypass T15 V.T. 3 bar 60°C	440	_	280	585	25	10.5
FR634233102	A70 IS SETT.GR2 bypass T15 V.T. 3 bar 60°C	440	_	280	585	25	10.5
FR634231001	A70 IA SETT.GR2 bypass T15 VNR 4.5 bar	440	_	280	569	25	10.5
FR634231002	A70 IS SETT.GR2 bypass T15 VNR 4.5 bar	440	_	280	569	25	10.5
FR634233103	A70 IA HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	440	6	340	585	26	10.5
FR634233104	A70 IS HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	440	6	340	585	26	10.5
FR634231003	A70 IA HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	440	6	340	569	26	10.5
FR634231004	A70 IS HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	440	6	340	569	26	10.5
FR634230001	A70 IA SETT.GR2	440	_	280	588	25	10.5
FR634230002	A70 IS SETT.GR2	440	_	280	588	25	10.5
FR634230003	A70 IA HYDR.MOT. GR2	440	6	340	588	26	10.5
FR634230004	A70 IS HYDR.MOT. GR2	440	6	340	588	26	10.5

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A70	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

Left supporting foot

	Code
Left supporting foot	FR290000023R

	Code
Right supporting foot	FR290000024R

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	FR361176050R
80 - 70	M22x1.5	FR361158070R