A60

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
FR633093101	**A60 1EAX 12V bypass T15 V.T. 3 bar 60°C**	385	2850	12	19,7	200	582	18	5.7
FR633093102	**A60 1ESX 12V bypass T15 V.T. 3 bar 60°C**	385	3070	12	18,7	200	582	18	5.7
FR633091001	**A60 1EAX 12V bypass T15 VNR 4.5 bar**	385	2850	12	19,7	200	566	18	5.7
FR633091002	**A60 1ESX 12V bypass T15 VNR 4.5 bar**	385	3070	12	18,7	200	566	18	5.7
FR633093113	**A60 1EAX 24V bypass T15 V.T. 3 bar 60°C**	385	3070	24	10	200	582	18	5.7
FR633093114	**A60 1ESX 24V bypass T15 V.T. 3 bar 60°C**	385	3180	24	9,4	200	582	18	5.7
FR633091013	**A60 1EAX 24V bypass T15 VNR 4.5 bar**	385	3070	24	10	200	566	18	5.7
FR633091014	**A60 1ESX 24V bypass T15 VNR 4.5 bar**	385	3180	24	9,4	200	566	18	5.7
FR633090001	**A60 1EAX 12V**	385	2850	12	19,7	200	585	18	5.7
FR633090002	**A60 1ESX 12V**	385	3070	12	18,7	200	585	18	5.7
FR633090013	**A60 1EAX 24V**	385	3070	24	10	200	585	18	5.7
FR633090014	**A60 1ESX 24V**	385	3180	24	9,4	200	585	18	5.7

Characteristic curves

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A60	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 mm	Power W	Frequency Hz	Speed min-¹	Protection IP	L Max mm	H mm	Weight Kg	Capacity l
FR633093131	**A60 1EA 230V bypass T15 V.T. 3 bar 60°C**	400	240	50 60	1430 1700	44	238	582	17.9	5.7
FR633093132	**A60 1ES 230V bypass T15 V.T. 3 bar 60°C**	400	240	50 60	1430 1700	44	238	582	17.9	5.7
FR633091031	**A60 1EA 230V bypass T15 VNR 4.5 bar**	400	240	50 60	1430 1700	44	238	566	17.9	5.7
FR633091032	**A60 1ES 230V bypass T15 VNR 4.5 bar**	400	240	50 60	1430 1700	44	238	566	17.9	5.7
FR633093121	**A60 1EA 400V bypass T15 V.T. 3 bar 60°C**	400	185	50 60	1450 1690	44	238	582	17.9	5.7
FR633093122	**A60 1ES 400V bypass T15 V.T. 3 bar 60°C**	400	185	50 60	1450 1690	44	238	582	17.9	5.7
FR633091023	**A60 1EA 400V bypass T15 VNR 4.5 bar**	400	185	50 60	1450 1690	44	238	566	17.9	5.7
FR633091022	**A60 1ES 400V bypass T15 VNR 4.5 bar**	400	185	50 60	1450 1690	44	238	566	17.9	5.7
FR633090031	**A60 1EA 230V**	400	240	50 60	1430 1700	44	238	585	17.9	5.7
FR633090032	**A60 1ES 230V**	400	240	50 60	1430 1700	44	238	585	17.9	5.7
FR633090021	**A60 1EA 400V**	400	185	50 60	1450 1690	44	238	585	17.9	5.7
FR633090022	**A60 1ES 400V**	400	185	50 60	1450 1690	44	238	585	17.9	5.7

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A60	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
FR633093141	**A60 1EA 230V-B14 bypass T15 V.T. 3 bar 60°C**	420	750	50	1390	65	444	582	26.4	5.7
FR633093142	**A60 1ES 230V-B14 bypass T15 V.T. 3 bar 60°C**	420	750	50	1390	65	444	582	26.4	5.7
FR633091041	**A60 1EA 230V-B14 bypass T15 VNR 4.5 bar**	420	750	50	1390	65	444	566	26.4	5.7
FR633091042	**A60 1ES 230V-B14 bypass T15 VNR 4.5 bar**	420	750	50	1390	65	444	566	26.4	5.7
FR633093151	**A60 1EA 400V-B14 bypass T15 V.T. 3 bar 60°C**	420	750	50	1390	65	444	582	26.4	5.7
FR633093152	**A60 1ES 400V-B14 bypass T15 V.T. 3 bar 60°C**	420	750	50	1390	65	444	582	26.4	5.7
FR633091051	**A60 1EA 400V-B14 bypass T15 VNR 4.5 bar**	420	750	50	1390	65	444	566	26.4	5.7
FR633091052	**A60 1ES 400V-B14 bypass T15 VNR 4.5 bar**	420	750	50	1390	65	444	566	26.4	5.7
FR633090041	**A60 1EA 230V-B14**	420	750	50	1390	65	444	585	26.4	5.7
FR633090042	**A60 1ES 230V-B14**	420	750	50	1390	65	444	585	26.4	5.7
FR633090051	**A60 1EA 400V-B14**	420	750	50	1390	65	444	585	26.4	5.7
FR633090052	**A60 1ES 400V-B14**	420	750	50	1390	65	444	585	26.4	5.7

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A60	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	Motor displacement	L Max	H	Weight	Capacity
		mm	cm3	mm	mm	Kg	l
FR634093111	A60 IA SETT.GR2 bypass T15 V.T. 3 bar 60°C	420	_	250	583	20	5.7
FR634093112	A60 IS SETT.GR2 bypass T15 V.T. 3 bar 60°C	420	_	250	583	20	5.7
FR634091011	A60 IA SETT.GR2 bypass T15 VNR 4.5 bar	420	_	250	567	20	5.7
FR634091012	A60 IS SETT.GR2 bypass T15 VNR 4.5 bar	420	_	250	567	20	5.7
FR634093113	A60 IA HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	420	6	310	583	21	5.7
FR634093114	A60 IS HYDR.MOT. GR2 bypass T15 V.T. 3 bar 60°C	420	6	310	583	21	5.7
FR634091013	A60 IA HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	420	6	310	567	21	5.7
FR634091014	A60 IS HYDR.MOT. GR2 bypass T15 VNR 4.5 bar	420	6	310	567	21	5.7
FR634090011	A60 IA SETT.GR2	420	_	250	585	20	5.7
FR634090012	A60 IS SETT.GR2	420	_	250	585	20	5.7
FR634090013	A60 IA HYDR.MOT. GR2	420	6	310	585	21	5.7
FR634090014	A60 IS HYDR.MOT. GR2	420	6	310	585	21	5.7

Heat exchange (thermal) capacity

Radiator passage pressure drop

Bypass passage load loss

Bypass valves

Legend

A60	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	FR290000011R

	Code
Right supporting foot	FR290000012R

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