THE MOST EFFICIENT UNIT FOR CONVERTING AN ICEBOX OR INSULATED CAVITY INTO A GOOD REFRIGERATOR.

frigoboat®

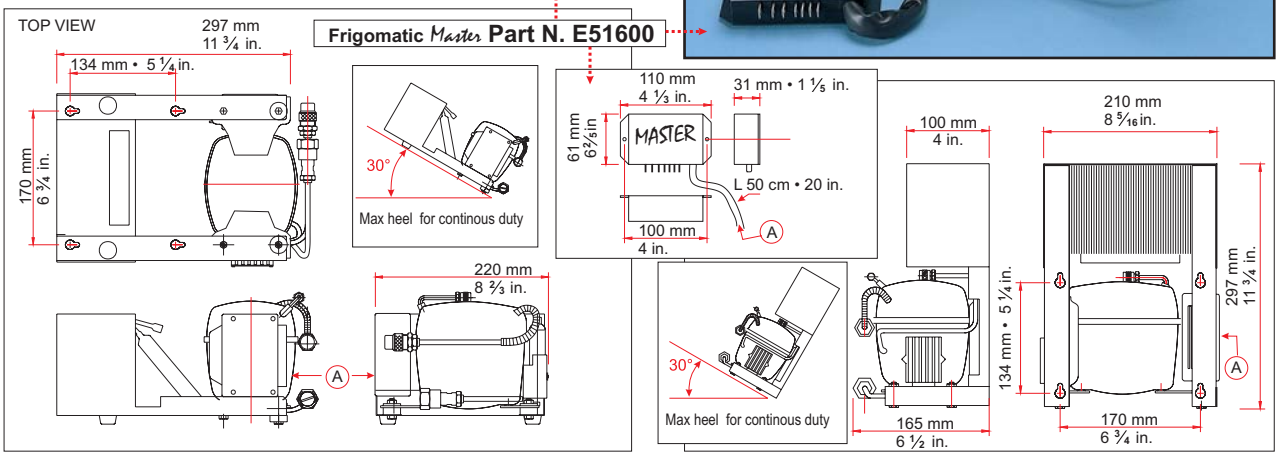
D.C. REFRIGERATION

FRIGOMATIC AH35F

Part N. E50035X

FRIGOMATIC AV35F

Part N.. E50025X



- Danfoss compressor of the latest generation equipped by us with a special oil cooler and our innovated MASTER control.
- Extremely compact dimensions and able to run on both 12 and 24 Volts DC.
- **The maximum efficiency currently achievable from production compressors resulting in itselfin a 25% saving in power consumption.**
- Air cooled systems precharged with Frigoboat self sealing couplings.
- A comprehensive range of matching evaporators for fridge's up to 350 (12.36 cu. ft.) litres and freezers up to 80 (2.82 cu. ft.) litres.
- Our Frigomatic energy saving holdover plates for fridge's up to 160 (5.65 cu. ft.) litres.
- The compressor operates at a lower temperature even in heavy duty marine conditions, and is consequently smoother running besides having a longer life, all this resulting from the additional oil cooler.
- The new prewired MASTER control makes it easier to wire up the system, as only the power and thermostat need to be connected.
- The Frigomatic MASTER control also enables you to optimise the compressor speed to the application simply by reconnection of the thermostat.
- In addition the MASTER control automatically adjusts the fan speed to match compressor performance, further reducing power consumption and lowering even more the fan noise, particularly at night.

Automatically runs on either 12 to 24 Volts

I1315 17/03/04

Veco S.p.A.

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV =ISO 9001/2000=

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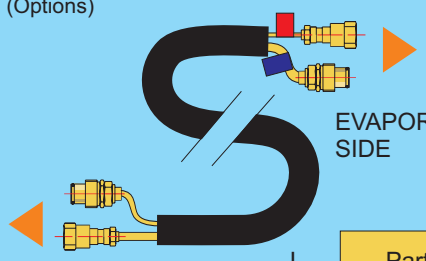
FRIGOMATIC AH35F FRIGOMATIC AV35F

TABLE OF EVAPORATOR COMPATIBILITY

EVAPORATOR MODEL	Part N.	MAXIMUM CAPACITY LITRES/cu.ft. FRIDGE	RPM*	FREEZER	RPM*	DIMENSIONS (mm•in) WIDTH	DEPTH	HEIGHT
130H	E50065	120•4.2	2500	50•1.8	3000	255•10	210•8 ¼	70•2 ¾
160H	E50090	160•5.6	2500	60•2.1	3000	320•12 ⅝	210•8 ¼	115•4 ½
200H	E50070	200•7	3000	80•2.8	3500	360•14 ¼	270•10 ⅝	150•5 ⅞
80F	E50881	80•2.8	2000	----	----	330•13	-------	245•9 ⅝
130F	E50085	160•5.6	2500	60•2.1	3000	590•23 ¼	-------	210•8 ¼
160F	E50095	180•6.3	2500	70•2.5	3500	805•31¾	-------	210•8 ¼
200F	E50075	240•8.5	3000	80•2.8	3500	1020•40 ⅛	-------	270•10 ⅝
200B	E50100	220•7.8	3000	80•2.8	3500	325•12 ¾	245•9 ⅝	270•10 ⅝
340B	E50105	340•12	3500	80•2.8	3500	380•15	150•5 ⅞	290•11 13⁄32
INOX								
180F	E52105	180	2500	70	3500	560	------	305
380F	E52185	380	3500	100	3500	1020	------	410

*RPM = SUGGESTED COMPRESSOR SPEED

PRECHARGED EXTENSIONS (Options)



L	Part N..
1m•3ft	**E50255**
2m•6ft	**E50260**
3m•10ft	**E50265**
4m•13ft	**E50270**
5m•16ft	**E50275**
6m•20ft	**E50280**

Automatic mains adaptor 230V	**E51305**
Vertical ice tray	**A090900**

TECHNICAL CHARACTERISTICS

AV 35 F - AH 35 F	2000	2500	3000	3500
Compressor speed RPM				
Capacity (+45°/ -15°C) Btu/h	274	311	396	454
Consumption in Amp (12V)	3,2 A	4 A	4,6 A	5,4 A
Consumption in W	37 W	48 W	56 W	65 W

Weight	6,3 Kg • 12.7 lbs
Shipping weight	7,1 Kg • 14.5 lbs

SUPPLY TOLERANCE

12 V	24 V
10.5 - 17 V	22.8 - 32 V

THERMOSTAT

FRIDGE **Part N. E250500**

FREEZER **Part N. E250700**

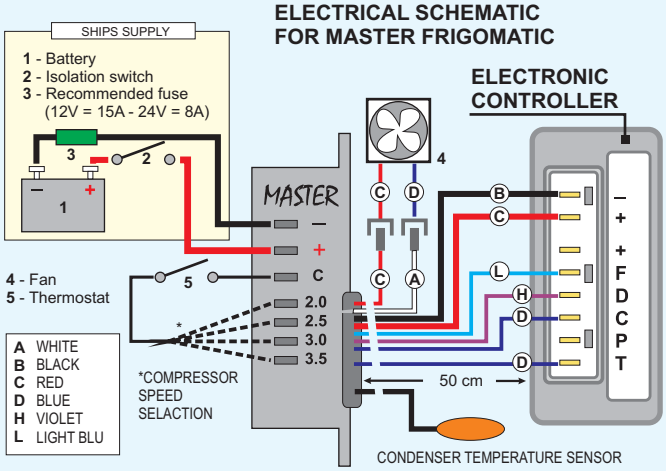
DOUBLE **Part N. E261300**

The new *MASTER* control has a green light to indicate 'power on' and a sequenced flashing red led for alarm indication.

ELECTRICAL CABLES TABLE

Size mm²	Awg	max distance 12 V m.	12 V ft.	24 V m.	24 V ft.
2,5	14	2,5	8.2	5	16.4
4	12	4	13.1	8	26.2
6	10	6	19.6	12	39.4
10	8	10	32.8	20	65.6

ELECTRICAL SCHEMATIC FOR MASTER FRIGOMATIC

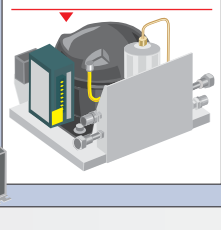


D.C. REFRIGERATION

COMPRESSORS

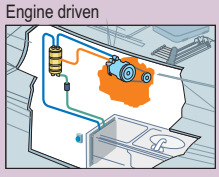
FOR FRIDGES UP TO 3.54 cu.ft	MADRID 35F PARIS 35 F ROMA 35 F
FOR FRIDGES UP TO 5.6 cu.ft	CAPRI 35 F ELBA 35 F IBIZA 35 F
FOR FRIDGES UP TO12 cu.ft	CAPRI 50 F AH-AHL 35F AV 35 F W 35F K 35 F
FOR FRIDGES UP TO 13,47 cu.ft	W50F K50F

FOR FRIDGES UP TO 14.13 cu.ft
SUPERFRIGOMATIC KW 50 F
SUPERFRIGOMATIC K 50 F



HOLDOVER PLATE SYSTEMS

Engine driven



Series 2000

Holding plates

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