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SCHEMA TECNICA TECHNICAL DATA SHEET

ST 08N.0054.G0.00A0

Rev. 00

Pg. 1/1

REFRIGERATED COMPRESSED AIR DRYER ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 54 HP40**

RATED CAPACITY	PORTATA :	m3/h	54	
		l/min	900	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	0,159	
Full Load cons.	Consumo max.	KW	0,22	
Rated absorpt.	Ass. nominale	Ampere	1,17	
Full Load Ampere	Ass. pieno carico	Ampere	1,39	
Lock. Rotor Ampere	Ass. spunto	Ampere	11,5	
Weight	Peso	Kg	25	
Air connection	Attacchi aria	IN/OUT	Rp 1/2"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

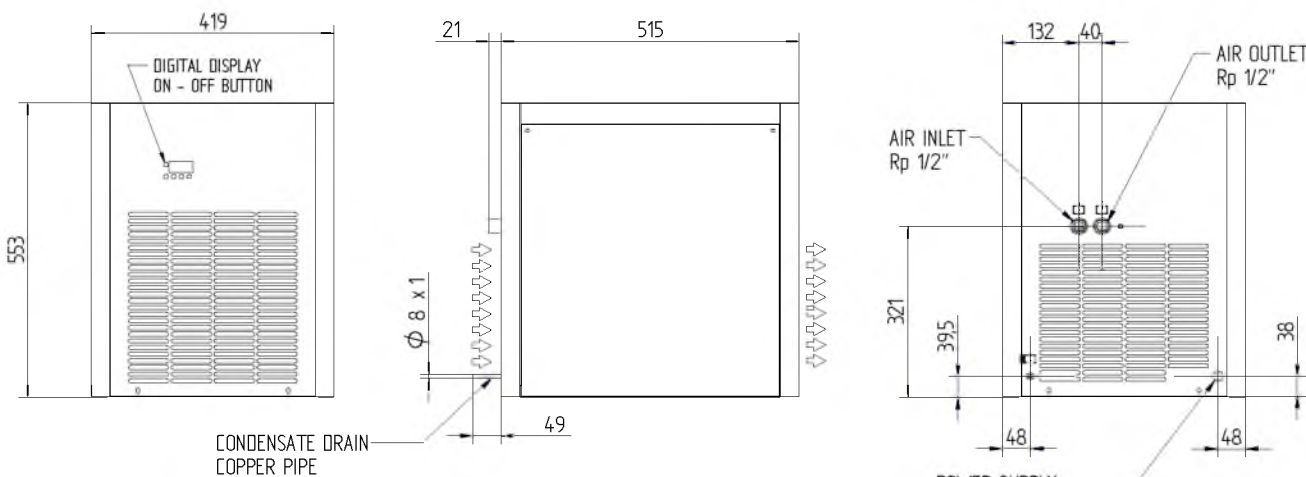
Control panel:	Electronic system type	Centralina comando:	A controllo elettronico
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Pusher fan	Ventilatore:	Premente
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Expansion valve	Metodo espansione:	Valvola di espansione
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermatico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

Performances & specifications: +/- 5%



REFRIGERATED COMPRESSED AIR DRYER ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 108 HP40**

RATED CAPACITY	PORTATA :	m3/h	108	
		l/min	1800	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	0,467	
Full Load cons.	Consumo max.	KW	0,74	
Rated absorpt.	Ass. nominale	Ampere	2,86	
Full Load Ampere	Ass. pieno carico	Ampere	4,1	
Lock. Rotor Ampere	Ass. spunto	Ampere	18,1	
Weight	Peso	Kg	33	
Air connection	Attacchi aria	IN/OUT	Rp 1/2"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

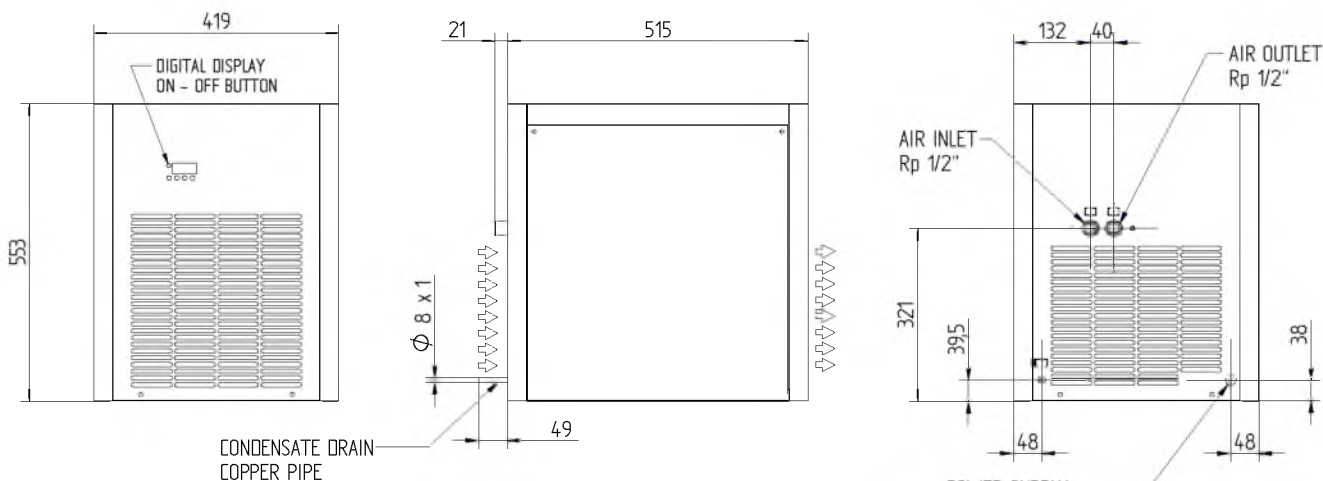
Control panel:	Electronic system type	Centralina comando:	A controllo elettronico
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Pusher fan	Ventilatore:	Premente
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Expansion valve	Metodo espansione:	Valvola di espansione
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermetico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

Performances & specifications: +/- 5%



REFRIGERATED COMPRESSED AIR DRYER ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 144 HP40**

RATED CAPACITY	PORTATA :	m3/h	144	
		l/min	2400	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	0,467	
Full Load cons.	Consumo max.	KW	0,74	
Rated absorpt.	Ass. nominale	Ampere	2,86	
Full Load Ampere	Ass. pieno carico	Ampere	4,1	
Lock. Rotor Ampere	Ass. spunto	Ampere	18,1	
Weight	Peso	Kg	33	
Air connection	Attacchi aria	IN/OUT	Rp 1/2"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

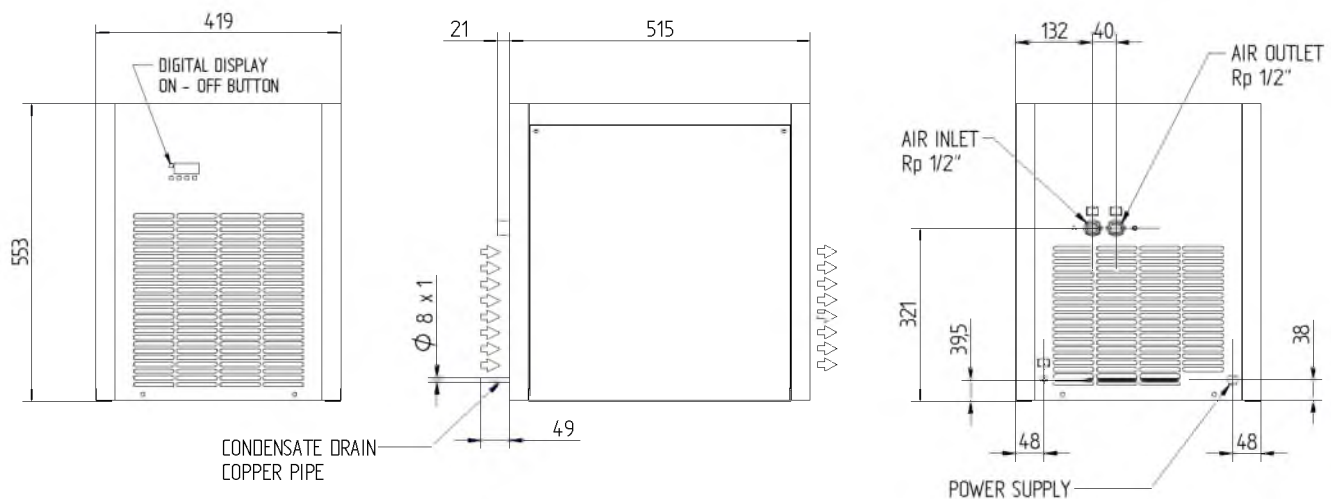
Control panel:	Electronic system type	Centralina comando:	A controllo elettronico
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Pusher fan	Ventilatore:	Premente
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Expansion valve	Metodo espansione:	Valvola di espansione
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermetico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

Performances & specifications: +/- 5%



REFRIGERATED COMPRESSED AIR DRYER

ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 270 HP40**

RATED CAPACITY	PORTATA :	m3/h	270	
		l/min	4500	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	1,044	
Full Load cons.	Consumo max.	KW	1,43	
Rated absorpt.	Ass. nominale	Ampere	5,55	
Full Load Ampere	Ass. pieno carico	Ampere	7,14	
Lock. Rotor Ampere	Ass. spunto	Ampere	32	
Weight	Peso	Kg	85	
Air connection	Attacchi aria	IN/OUT	RP 1"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

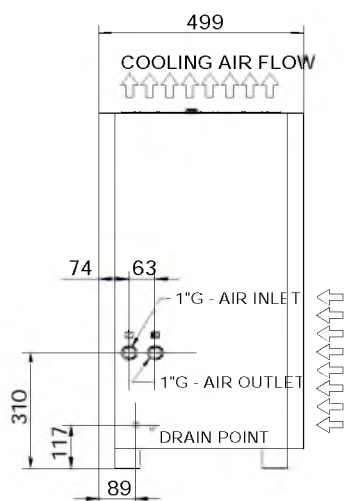
Control panel:	Digital electronic controller	Centralina comando:	Controllore elettronico digitale
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Suction fan	Ventilatore:	Aspirante
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Capillary tube + by-pass	Metodo espansione:	Tubi capillari + by-pass
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermetico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

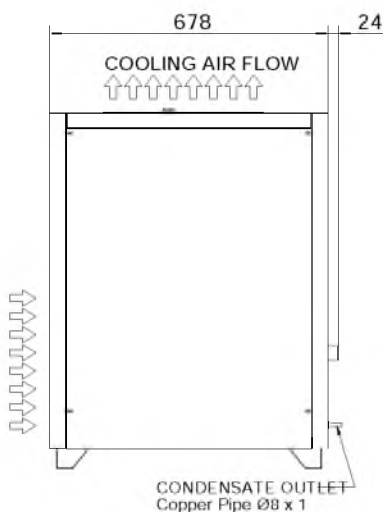
bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

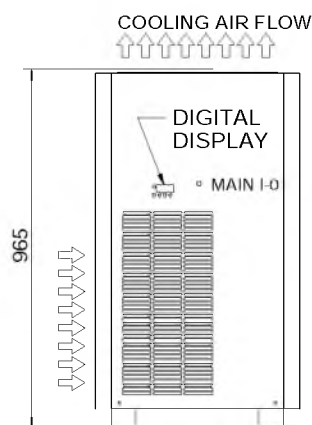
Performances & specifications: +/- 5%



REAR VIEW



SIDE VIEW



FRONT VIEW



TECHNICAL DATA SHEET SCHEDA TECNICA

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REFRIGERATED COMPRESSED AIR DRYER ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL:	MODELLO:	ED 360 HP40		
RATED CAPACITY	PORTATA :	m3/h	360	
		l/min	6000	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	1,044	
Full Load cons.	Consumo max.	KW	1,43	
Rated absorpt.	Ass. nominale	Ampere	5,55	
Full Load Ampere	Ass. pieno carico	Ampere	7,14	
Lock. Rotor Ampere	Ass. spunto	Ampere	32	
Weight	Peso	Kg	87	
Air connection	Attacchi aria	IN/OUT	RP 1"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

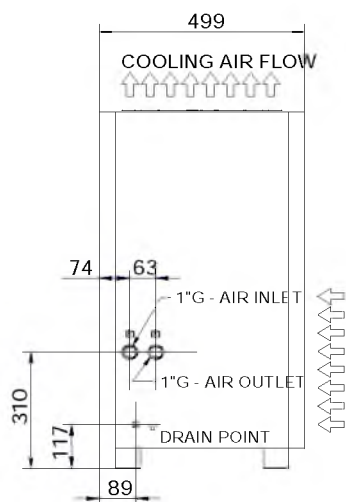
Control panel:	Digital electronic controller	Centralina comando:	Controllore elettronico digitale
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Suction fan	Ventilatore:	Aspirante
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Capillary tube + by-pass	Metodo espansione:	Tubi capillari + by-pass
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermetico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

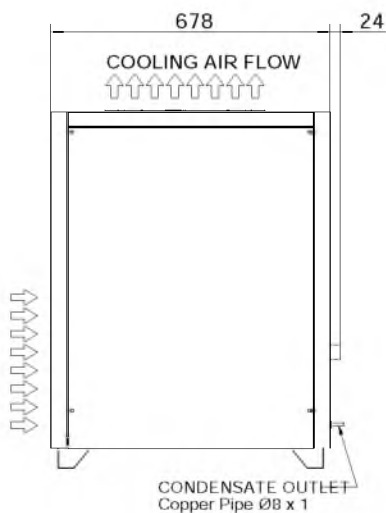
bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

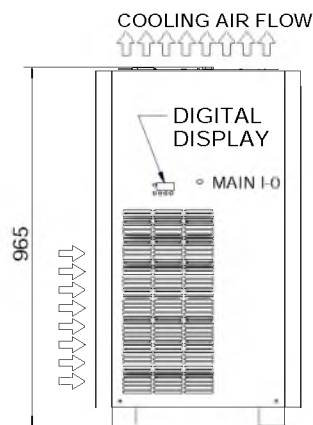
Performances & specifications: +/- 5%



REAR VIEW



SIDE VIEW



FRONT VIEW

REFRIGERATED COMPRESSED AIR DRYER

ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 480 HP40**

RATED CAPACITY	PORTATA :	m3/h	480	
		l/min	8000	
Power supply	Alimentazione	V/Ph/Hz	230/1/50	
Power consumption	Consumo nom.	KW	1,4	
Full Load cons.	Consumo max.	KW	2,3	
Rated absorpt.	Ass. nominale	Ampere	6,83	
Full Load Ampere	Ass. pieno carico	Ampere	10,2	
Lock. Rotor Ampere	Ass. spunto	Ampere	46	
Weight	Peso	Kg	110	
Air connection	Attacchi aria	IN/OUT	RP 1"	
Coolant type	Tipo refrigerante	Freon	R134a	
Inlet air temp.	Temp. aria ingr.	°C	35	(Max 55)
Ambient temp.	Temp. Ambiente	°C	25	(Max 45)
Working pressure	Press. Nominale	bar	40	(Max 40)
Pressure dew point	P.to rugiada	°C	3	(- 22 atm.)

Standard features / Caratteristiche tecniche

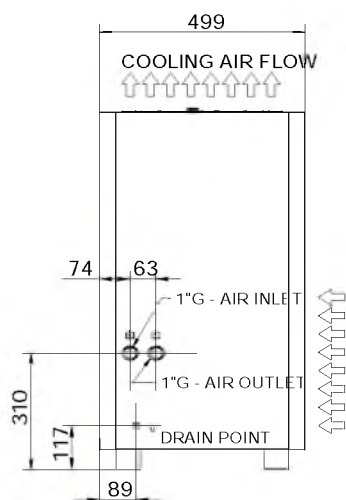
Control panel:	Digital electronic controller	Centralina comando:	Controllore elettronico digitale
Condenser cooling:	Air cooled with conveyer	Condensatore:	Ad aria con convogliatore
Ventilator motor:	Suction fan	Ventilatore:	Aspirante
Air/air heat exch.:	Stainless steel plates	Prescambio aria/aria:	Piastre in acciaio inox
Evaporator:	Stainless steel plates	Evaporatore:	Piastre in acciaio inox
Expansion method:	Capillary tube + by-pass	Metodo espansione:	Tubi capillari + by-pass
Separator type:	Cyclone	Separatore condensa:	Ciclone
Compressor type:	Hermetic type	Compressore:	Ermetico
Installation location:	Indoor	Installazione :	Interna
Drain discharge:	Timed solenoid valve	Scaricatore condensa:	Temporizzato
Electric protection:	IP 42	Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

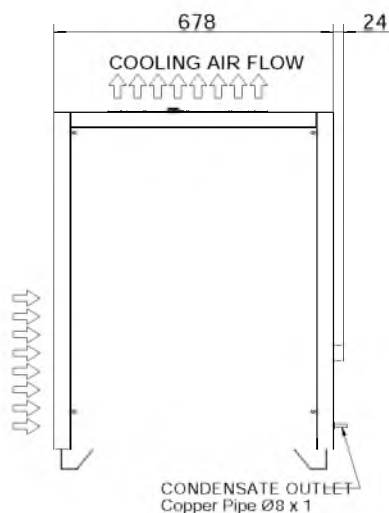
bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

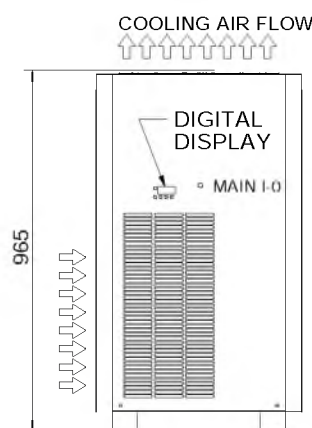
Performances & specifications: +/- 5%



REAR VIEW



SIDE VIEW



FRONT VIEW



TECHNICAL DATA SHEET SCHEMA TECNICA

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Rev. 01

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REFRIGERATED COMPRESSED AIR DRYER ESSICCATORE D'ARIA COMPRESSA A REFRIGERAZIONE

MODEL: MODELLO: **ED 660 HP40**

RATED CAPACITY	PORTATA :	m ³ /h	660
		l/min	11000
Power supply	Alimentazione	V/Ph/Hz	230/1/50
Power consumption	Consumo nom.	KW	1,4
Full Load cons.	Consumo max.	KW	2,3
Rated absorpt.	Ass. nominale	Ampere	6,83
Full Load Ampere	Ass. pieno carico	Ampere	10,2
Lock. Rotor Ampere	Ass. spunto	Ampere	46
Weight	Peso	Kg	120
Air connection	Attacchi aria	IN/OUT	Rp 1"
Coolant type	Tipo refrigerante	Freon	R134a
Inlet air temp.	Temp. aria ingr.	°C	35 (Max 55)
Ambient temp.	Temp. Ambiente	°C	25 (Max 45)
Working pressure	Press. Nominale	bar	40 (Max 40)
Pressure dew point	P.to rugiada	°C	3 (-36 atm.)

Standard features / Caratteristiche tecniche

Control panel:	Digital electronic controller
Condenser cooling:	Air cooled with conveyer
Ventilator motor:	Suction fan
Air/air heat exch.:	Stainless steel plates
Evaporator:	Stainless steel plates
Expansion method:	Capillary tube + by-pass
Separator type:	Cyclone
Compressor type:	Hermetic type
Installation location:	Indoor
Drain discharge:	Timed solenoid valve
Electric protection:	IP 42

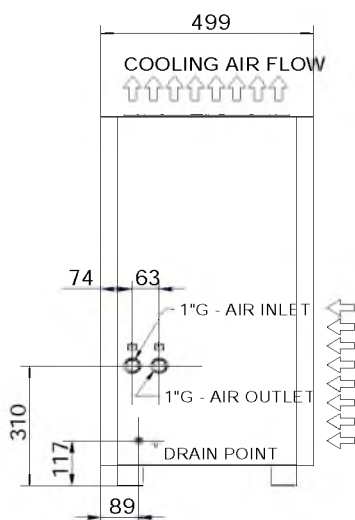
Centralina comando:	Controllore elettronico digitale
Condensatore:	Ad aria con convogliatore
Ventilatore:	Aspirante
Prescambio aria/aria:	Piastre in acciaio inox
Evaporatore:	Piastre in acciaio inox
Metodo espansione:	Tubi capillari + by-pass
Separatore condensa:	Ciclone
Compressore:	Ermetico
Installazione :	Interna
Scaricatore condensa:	Temporizzato
Protezione elettr.:	IP 42

Correction factors for different working pressures / Fattore di correzione per diverse pressioni di esercizio

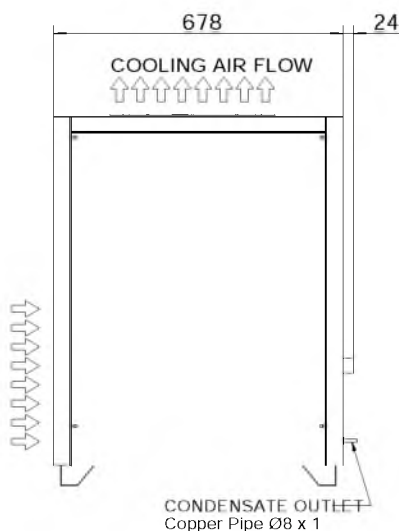
bar	7	10	15	20	25	30	35	40
psi	101,5	145	217,5	290	362,5	435	507,5	580
Factor / Fattore	0,67	0,77	0,83	0,91	0,93	0,97	0,99	1

Prestazioni e dati tecnici: +/- 5%

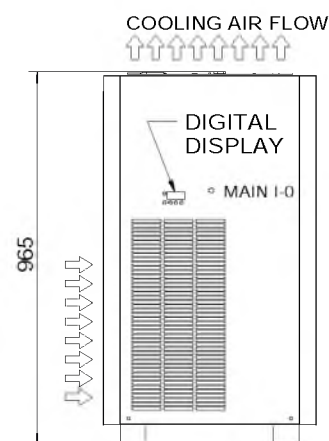
Performances & specifications: +/- 5%



REAR VIEW



SIDE VIEW



FRONT VIEW

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