

McEnergy Inverter

AIR COOLED CHILLER WITH INVERTER DRIVEN SCREW COMPRESSORS

TECHNICAL DATA McEnergy Inverter XSE ST/LN/XN - cooling only

McEnergy inverter XSE ST/LN/XN		094.2	102.2	113.2	122.2	131.2	139.2	147.2
Cooling Capacity ¹	kW	329	358	395	423	459	488	515
Unit power input ¹	kW	118	135	145	157	165	178	190
EER	--	2,79	2,65	2,72	2,69	2,78	2,74	2,71
ESEER	--	4,79	4,82	4,78	4,84	4,81	5,01	4,84
Sound Pressure ST ²	dB(A)	83,0	83,0	83,0	83,0	83,5	83,5	83,5
Sound Pressure LN ²	dB(A)	77,0	77,0	77,0	77,0	77,5	77,5	77,5
Sound Pressure XN ²	dB(A)	73,0	73,0	73,0	73,0	73,5	73,5	73,5
Compressor	Type	Semi-hermetic single screw compressor Inverter driven						
Quantity	No.	2	2	2	2	2	2	2
Minimum capacity	%	13,5	13,5	13,5	13,5	13,5	13,5	13,5
Refrigerant	Type	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a
N. of circuits	No.	2	2	2	2	2	2	2
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler						
Fan	Type	Direct propeller						
Quantity	No.	8	8	10	10	12	12	12
Motor input	kW	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Speed	rpm	700	700	700	700	700	700	700
Diameter	mm	800	800	800	800	800	800	800
Water heat exchanger	Type	Single Pass Shell&Tube						
Water volume	l	271	264	264	256	256	248	248
Nominal Water pressure drop	kPa	60	61	72	67	78	69	76
Piping connections	"	6,6	6,6	6,6	6,6	6,6	6,6	6,6
Standard voltage	V/ph/Hz	400V / 3ph / 50Hz						

NOTES:

- (1) 12/7°C evaporator water temperature; 35°C ambient temperature
- (2) At 1 m, according to ISO 3744, at free field semispherical conditions



**A GLOBAL LEADER IN
SYSTEM SOLUTIONS
FOR AIR CONDITIONING,
HEATING, VENTILATING
AND REFRIGERATION**

Weight and dimensions		094.2	102.2	113.2	122.2	131.2	139.2	147.2
Shipping weight (ST)	kg	4190	4190	4590	4590	4990	4990	4990
Operating weight (ST)	kg	4440	4440	4840	4840	5240	5240	5240
Shipping weight (LN)	kg	4340	4340	4740	4740	5140	5140	5140
Operating weight (LN)	kg	4590	4590	4990	4990	5390	5390	5390
Shipping weight (XN)	kg	4390	4390	4790	4790	5190	5190	5190
Operating weight (XN)	kg	4640	4640	5040	5040	5440	5440	5440
(A) Length	mm	4381	4381	5281	5281	6181	6181	6181
(B) Width	mm	2224	2224	2224	2224	2224	2224	2224
(C) Height	mm	2355	2355	2355	2355	2355	2355	2355

