7 GENERAL TECHNICAL DATA

[SI System]

MEHP-iB-G07			07V	09V	11V	15V	15Y	18Y	23Y	27Y	35Y	40Y
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	6,203	7,721	10,37	13,49	13,52	15,62	19,70	25,85	30,90	35,82
Total power input	(1)	kW	2,044	2,665	3,490	4,357	4,247	5,569	6,977	8,708	11,16	12,33
EER	(1)	kW/kW	3,039	2,891	2,980	3,096	3,176	2,801	2,822	2,962	2,759	2,911
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)	kW	6,250	7,770	10,40	13,60	13,60	15,70	19,80	26,00	31,10	36,00
EER	(1)(2)	kW/kW	3,060	2,920	3,000	3,100	3,190	2,810	2,840	2,980	2,790	2,930
HEATING ONLY (GROSS VALUE)												
Total heating capacity	(3)	kW	6,735	8,772	11,24	15,04	15,27	17,24	23,80	27,23	34,19	40,86
Total power input	(3)	kW	2,054	2,462	3,276	4,496	4,243	4,849	6,722	8,021	10,69	11,56
COP	(3)	kW/kW	3,288	3,565	3,415	3,333	3,608	3,546	3,542	3,392	3,196	3,526
HEATING ONLY (EN14511 VALUE)												
Total heating capacity	(3)(2)	kW	6,680	8,720	11,20	15,00	15,20	17,10	23,70	27,10	34,00	40,70
COP	(3)(2)	kW/kW	3,260	3,550	3,420	3,320	3,570	3,520	3,520	3,380	3,180	3,520
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN COOLING												
Water flow	(1)	l/s	0,297	0,369	0,496	0,645	0,647	0,747	0,942	1,236	1,477	1,713
Pressure drop at the heat exchanger	(1)	kPa	7,98	8,66	10,8	12,4	12,5	12,8	13,2	17,8	18,4	18,4
HEAT EXCHANGER USER SIDE IN HEATING												
Water flow	(3)	l/s	0,325	0,423	0,543	0,726	0,737	0,832	1,149	1,314	1,650	1,972
Pressure drop at the heat exchanger	(3)	kPa	9,59	11,4	13,0	15,7	16,2	15,9	19,7	20,1	22,9	24,5
REFRIGERANT CIRCUIT												
Compressors nr.		N°	1	1	1	1	1	1	1	1	1	1
Number of capacity steps		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	32	41	40	28	29	28	29	40	33	29
Refrigerant			R32	R32	R32	R32	R32	R32	R32	R32	R32	R32
Theoretical refrigerant charge		kg	1,90	3,50	3,60	3,90	3,90	4,55	6,20	6,90	8,85	9,30
Oil charge		kg	0,35	0,40	0,70	1,20	1,00	1,00	1,00	2,30	2,30	2,30
Rc (ASHRAE)	(4)	kg/kW	0,31	0,46	0,35	0,29	0,29	0,29	0,32	0,27	0,29	0,26
FANS												
Quantity		N°	1	1	2	2	2	2	1	2	2	2
Air flow		m³/s	0,93	1,02	1,84	1,84	1,84	1,95	2,34	4,52	4,35	4,75
Total fans power input		kW	0,11	0,11	0,22	0,22	0,22	0,22	0,39	0,78	0,78	0,78
NOISE LEVEL												
Total sound Pressure	(5)	dB(A)	53	53	54	55	55	56	61	62	63	64
Total sound power level in cooling	(6)(7)	dB(A)	67	68	69	70	70	71	76	78	79	80
Total sound power level in heating	(6)(8)	dB(A)	65	65	69	70	70	70	76	78	78	78
SIZE AND WEIGHT												
A	(9)	mm	900	900	900	900	900	1450	1450	1450	1450	1700
B	(9)	mm	370	420	420	420	420	550	550	550	550	650
H	(9)	mm	940	1240	1240	1390	1390	1200	1200	1700	1700	1700
Operating weight	(9)	kg	85	105	115	135	150	185	215	260	280	315

Notes:
1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger air (in) 35,0°C.
2 Values in compliance with EN14511
3 Plant (side) heat exchanger water (in/out) 40,00°C/45,00°C; Source (side) heat exchanger air (in) 7,0°C - 87% R.H.
4 Rated in accordance with AHRI Standard 550/590
5 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
6 Sound power on the basis of measurements taken in compliance with ISO 9614.
7 Sound power level in cooling, outdoors.
8 Sound power level in heating, outdoors.
9 Unit in standard configuration, without optional accessories.
- Not available
Data certified in EUROVENT