

SPLIT

HN1616.NK3 / HU051.U43, HU071.U43, HU091.U43



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SPLIT (OUTDOOR UNIT)		Capacity Reference	5kW Ø HU051.U43	7kW 1Ø HU071.U43	9kW 1Ø HU091.U43
Nominal Capacity	Heating (A7 / W35)	kW	5.00	7.00	9.00
	Heating (A2 / W35)	kW	4.30	5.97	7.30
	Heating (A-2 / W50)	kW	6.24	6.68	7.08
	Heating (A-7 / W35)	kW	4.23	5.88	7.53
	Cooling (A35 / W18)	kW	5.00	7.00	9.00
Nominal Power Input	Heating (A7 / W35)	kW	1.01	1.59	2.05
	Heating (A2 / W35)	kW	3.52	1.70	2.09
	Heating (A-2 / W50)	kW	3.20	3.34	3.54
	Heating (A-7 / W35)	kW	2.78	2.14	2.74
COP	Cooling (A35 / W18)	kW	1.09	1.56	2.37
	Heating (A7 / W35)		4.93	4.80	4.40
	Heating (A2 / W35)		3.52	3.51	3.50
	Heating (A-2 / W50)		1.95	2.00	2.00
EER	Heating (A-7 / W35)		2.78	2.75	2.75
	Cooling (A35 / W18)		4.60	4.50	3.80
Dimension	W x H x D	mm	950 x 834 x 330		
Weight		kg	60		
Sound Pressure Level (Heating)		dB(A)	-		
Sound Power Level (Heating)		dB(A)	65		
Outdoor Air Operation Range	Heating	°C DB	-20 - 35		
	Cooling	°C DB	5 - 48		
Refrigerant (R410a)	Pipe Diameter (Liquid)	mm (inch)	9.52 (3/8)		
	Pipe Diameter (Gas)	mm (inch)	15.88 (5/8)		
Ref. Pipe Length	Pre-charged Amount	kg	1.55		
	GWP	TCO _{eq}	3.24		
	Chargeless Pipe Length	m	7.5		
	Additional Charging Volume	g/m	40		
Power Supply	Minimum	m	3		
	Standard	m	7.5		
	Maximum	m	50		
Recommended Fuse	P / V / Hz	1 / 220-240 / 50			
	A	20			

* This product contains fluorinated greenhouse gases (R410A) / All models do have electric heating cable for prevent frost from condensing water at the condensing pan.
* All specification is based on EN14511 and EN14825. * Above table values does include humidification effect in the outdoor temperature below zero.

SPLIT (INDOOR UNIT)		Capacity Reference	5,7,9kW HN1616.NK3
Dimension	W*H*D	mm	490 x 850 x 315
Weight		kg	42
Electric Heater	Power Supply	P / V / Hz	1 / 220-240 / 50
	Capacity	kW	6
Leaving Water Temp. Range	Heating	°C	15 - 57
	Cooling	°C	6 - 30
Water Flowrate Limit		LPM	Min 15.
Max. Water Head		m	7
Water Pipe Connection	Inlet	mm (inch)	Male PT 25 (1)
	Outlet	mm (inch)	Male PT 25 (1)
Energy Efficiency Class Seasonal Space Heating (A++ to G Scale)	35°C / 55°C		A++ / A++
Seasonal Space Heating Energy Efficiency (Average)	35°C / 55°C	%	452 / 3,23 445 / 3,23 434 / 3,23
Rated Heat Output (kW)	35°C / 55°C	kW	178 / 126 175 / 126 171 / 126
Annual Energy Consumption (Average)	35°C / 55°C	kWh	6/6 6/6 7/6
Water Pump EEI			2,512 / 3,581 2,783 / 3,581 3,093 / 3,581
			0.23 0.23 0.23

HN1616.NK3 / HU121.U33, HU141.U33, HU161.U33
HN1639.NK3 / HU123.U33, HU143.U33, HU163.U33



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SPLIT (OUTDOOR UNIT)		Capacity Reference	12kW 1Ø HU121.U33	14kW 1Ø HU141.U33	16kW 1Ø HU161.U33	12kW 3Ø HU123.U33	14kW 3Ø HU143.U33	16kW 3Ø HU163.U33			
Nominal Capacity	Heating (A7 / W35)	kW	12.00	14.00	16.00	12.00	14.00	16.00			
	Heating (A2 / W35)	kW	10.33	10.83	11.95	10.33	10.83	11.95			
	Heating (A-2 / W50)	kW	11.89	11.89	11.89	11.89	11.89	11.89			
	Heating (A-7 / W35)	kW	11.00	12.50	13.50	11.00	12.50	13.50			
	Cooling (A35 / W18)	kW	10.40	12.00	13.00	10.40	12.00	13.00			
Nominal Power Input	Heating (A7 / W35)	kW	2.64	3.17	3.76	2.64	3.17	3.76			
	Heating (A2 / W35)	kW	2.93	3.09	3.41	2.93	3.09	3.41			
	Heating (A-2 / W50)	kW	5.25	5.25	5.25	5.25	5.25	5.25			
	Heating (A-7 / W35)	kW	3.14	3.73	4.35	3.14	3.73	4.35			
COP	Cooling (A35 / W18)	kW	2.60	3.08	3.60	2.60	3.08	3.60			
	Heating (A7 / W35)		4.55	4.41	4.26	4.55	4.41	4.26			
	Heating (A2 / W35)		3.52	3.51	3.50	3.52	3.51	3.50			
	Heating (A-2 / W50)		2.27	2.27	2.27	2.27	2.27	2.27			
EER	Heating (A-7 / W35)		3.50	3.35	3.10	3.50	3.35	3.10			
	Cooling (A35 / W18)		4.00	3.90	3.61	4.00	3.90	3.61			
Dimension	W x H x D	mm	950 x 1,380 x 330								
Weight		kg	94								
Sound Pressure Level (Heating)		dB(A)	-								
Sound Power Level (Heating)		dB(A)	66								
Outdoor Air Operation Range	Heating	°C DB	-20 - 35								
	Cooling	°C DB	5 - 48								
Refrigerant (R410a)	Pipe Diameter (Liquid)	mm (inch)	9.52 (3/8)								
	Pipe Diameter (Gas)	mm (inch)	15.88 (5/8)								
Ref. Pipe Length	Pre-charged Amount	kg	2.30								
	GWP	TCO _{eq}	4.80								
	Chargeless Pipe Length	m	2087.5								
	Additional Charging Volume	g/m	7.5								
Power Supply	Minimum	m	3								
	Standard	m	7.5								
	Maximum	m	50								
Recommended Fuse	P / V / Hz	1 / 220-240 / 50		1 / 220-240 / 50		1 / 220-240 / 50		3 / 380-415 / 50		3 / 380-415 / 50	
	A	60		60		60		50		50	

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Dimension	W x H x D	mm	490 x 850 x 315	
Weight		kg	42	
Electric Heater	Power Supply	P / V / Hz	1 / 220-240 / 50	
	Capacity	kW	6	
Leaving Water Temp. Range	Heating	°C	15 - 57	
	Cooling	°C	6 - 30	
Water Flowrate Limit		LPM	Min 15.	
Max. Water Head		m	7	
Water Pipe Connection	Inlet	mm (inch)	Male PT 25 (1)	
	Outlet	mm (inch)	Male PT 25 (1)	
Energy Efficiency Class Seasonal Space Heating (A++ to G Scale)	35°C / 55°C		A++ / A++	
Seasonal Space Heating Energy Efficiency (Average)	35°C / 55°C	%	4.45 / 3.32 4.45 / 3.32 4.30 / 3.32 4.45 / 3.32 4.45 / 3.32 4.30 / 3.32	
Rated Heat Output (kW)	35°C / 55°C	kW	175 / 130 175 / 130 169 / 130 175 / 130 175 / 130 169 / 130	
Annual Energy Consumption (Average)	35°C / 55°C	kWh	9/10 10/10 10/10 9/10 10/10 10/10	
Water Pump EEI			4,177 / 6,154 4,408 / 6,154 4,802 / 6,154 4,177 / 6,154 4,408 / 6,154 4,802 / 6,154	
			0.23 0.23 0.23 0.23 0.23 0.23	