

Product fiche according to Performance Testing of Ducted Mechanical Supply and Exhaust Ventilation Units (including heat recovery) (EN) 13141-7:2021

Manufacturer	HOLTOP	HOLTOP	HOLTOP	HOLTOP	HOLTOP	HOLTOP	HOLTOP	HOLTOP	HOLTOP
Model	Comfort Fresh Air 150C	Comfort Fresh Air 250C	Comfort Fresh Air 350C	Comfort Fresh Air 500C	Comfort Fresh Air 650C	Comfort Fresh Air 800C	Comfort Fresh Air 1000C	Comfort Fresh Air 1500C	Comfort Fresh Air 2000C
Maximum flow rate(m³/h)	150	250	350	500	650	800	1000	1500	2000
Minimum flow rate(m³/h)	43	68	82	212	155	205	265	450	590
Thermal efficiency of heat recovery(%)	80	80	80	80	80	80	80	80	80
Minimum outdoor operation temperature (°C)	-20	-20	-20	-20	-20	-20	-20	-20	-20
Filter classes supply and exhaust air in accordance with EN ISO 16890	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%	Coarse-90%
Internal Leakage rates(%) @ 100 Pa	max 10	max 10	max 10	max 10	max 10	max 10	max 10	max 10	max 10
External Leakage rates(%) @ 250 Pa	max 10	max 10	max 10	max 10	max 10	max 10	max 10	max 10	max 10
Electric power input of the fan drive at maximum flow rate(W)	58	62	140	165	252	335	420	670	850
Possibility of balancing the air volume flows	YES	YES	YES	YES	YES	YES	YES	YES	YES
Type of Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass	Auto Bypass
Frost protection function(s) and control (for cold climate test)									
	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting	Auto defrosting
Type of motor installed or planned	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive	10/Variable speed drive
Type of heat recovery system	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative	Recuperative
Sound power level(dB)	41	42	48	49	51	54	56	59	60
Specific power input(SPI)(W/(m³/h))	0,38	0,25	0,4	0,33	0,38	0,42	0,42	0,44	0,43
Type control system	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control	Local demand control
Internet address for pre-/dis-assembly instructions	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com	www.holtop.com

Temperature conditions for standard tests:

Outdoor Air: temperature 7°C
Extract Air: temperature 20°C/Wet bulb temperature 12°C